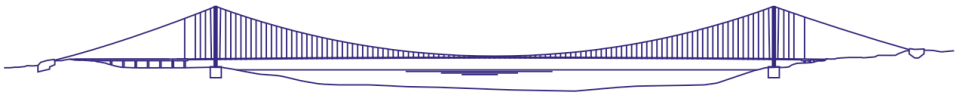
Stretto di Messina

Concessionaria per la progettazione, realizzazione e gestione del collegamento stabile tra la Sicilia e il Continente Organismo di Diritto Pubblico
(Legge n° 1158 del 17 dicembre 1971, modificata dal D.Lgs. n°114 del 24 aprile 2003)

EurolinK

PONTE SULLO STRETTO DI MESSINA



PROGETTO DEFINITIVO

EUROLINK S.C.p.A.
IMPREGILO S.p.A. (MANDATARIA)
SOCIETÀ ITALIANA PER CONDOTTE D'ACQUA S.p.A. (MANDANTE)
COOPERATIVA MURATORI E CEMENTISTI - C.M.C. DI RAVENNA SOC. COOP. A.R.L. (MANDANTE)
SACYR S.A.U. (MANDANTE)
ISHIKAWAJIMA - HARIMA HEAVY INDUSTRIES CO. LTD (MANDANTE)
A.C.I. S.C.P.A. - CONSORZIO STABILE (MANDANTE)

IL PROGETTISTA	IL CONTRAENTE GENERALE	STRETTO DI MESSINA	STRETTO DI MESSINA
SINA Dott. Ing. F. Colla Ordine Ingegneri Milano n° 20355 Dott. Ing. E. Pagani Ordine Ingegneri Milano n° 15408 EurolinK	Project Manager (Ing. P.P. Marcheselli)	Direttore Generale e RUP Validazione (Ing. G. Fiammenghi)	Amministratore Delegato (Dott. P. Ciucci)

Unità Funzionale	COLLEGAMENTI CALABRIA	CS0543_F0
Tipo di sistema	INFRASTRUTTURE STRADALI OPERE CIVILI	
Raggruppamento di opere/attività	ELEMENTI DI CARATTERE GENERALE	
Opera - tratto d'opera - parte d'opera	GENERALE	
Titolo del documento	ADEGUAMENTO TOMBINO PK 1+863 (ASSE C)– RELAZIONE DI CALCOLO	

CODICE C G 0 7 0 0 P C L D C S C 0 0 G 0 0 0 0 0 0 0 0 0 6 F 0

REV	DATA	DESCRIZIONE	REDATTO	VERIFICATO	APPROVATO
F0	20/06/2011	EMISSIONE FINALE	PRO ITER S.r.l.	G.SCIUTO	F.COLLA

NOME DEL FILE: CS0543_F0.doc

revisione interna: 1

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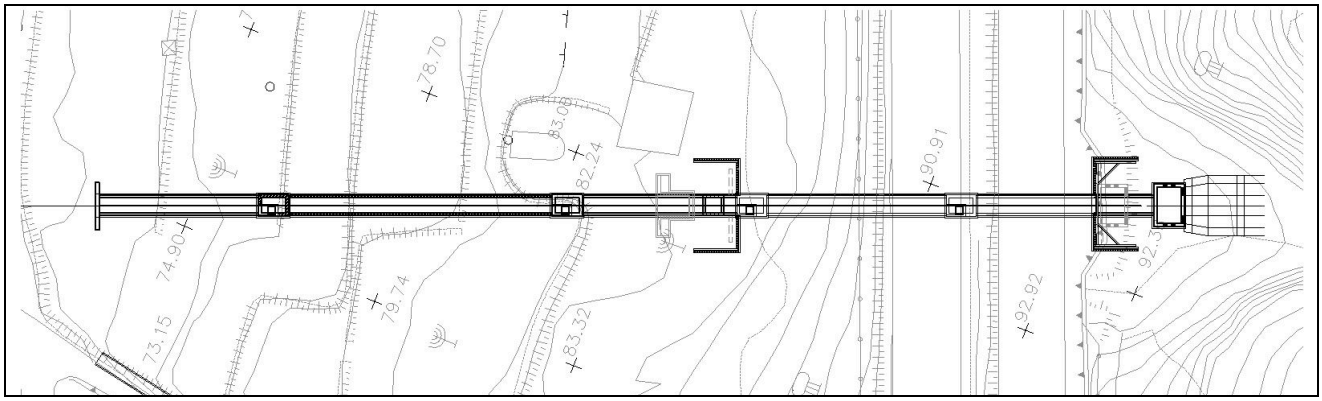
PREMESSA

La presente relazione di calcolo riporta e commenta i dati ed i risultati relativi all'opera "*Adeguamento tombino pk 1+863.84 (Asse C)*", opera inquadrata nel Progetto Definitivo del Ponte sullo Stretto di Messina per l'adeguamento dell'autostrada esistente A3 "Salerno-Reggio Calabria".



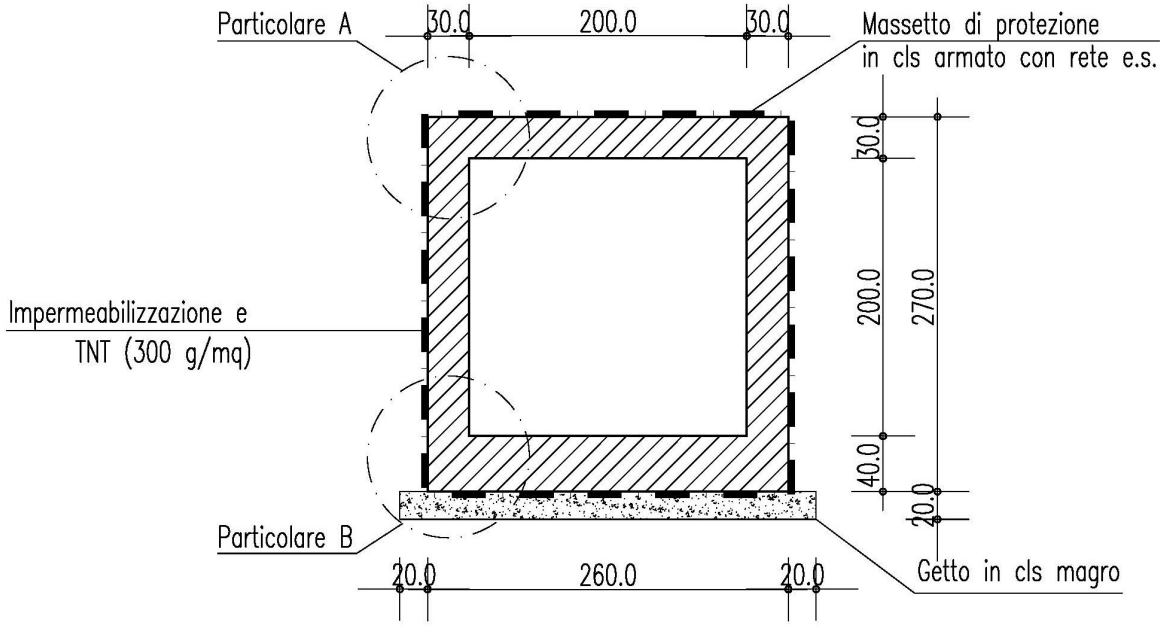
Stralcio planimetrico dell'opera

Si riassumono brevemente le principali caratteristiche geometriche dello scatolare:

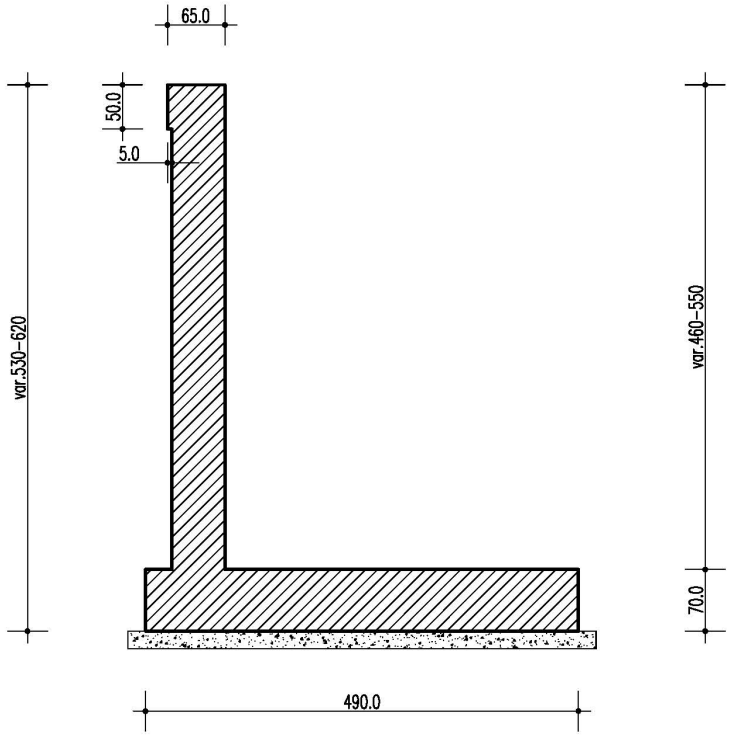
Larghezza interna	2.00 m
Altezza interna	2.00 m
Spessore soletta	0.30 m
Spessore controsoletta	0.40 m
Spessore piedritti	0.30 m
Spessore del ricoprimento (di calcolo)	5.50 m

A valle dell'opera vi è un muro in c.a. per il sostegno del rilevato della Rampa F, con altezza variabile che in corrispondenza del tombino risulta pari a 4.60 m, ciabatta di fondazione di lunghezza pari a 4.90 m con un dente anteriore pari a 0.30 m. Lo spessore dell'elevazione è pari a 0.60 m mentre quello della fondazione è pari a 0.70 m. L'altezza di calcolo del muro è stata presa pari a 5.50 m .

Nell'illustrazione seguente si riporta la sezione trasversale dello scatolare:



Sezione trasversale tombino



Sezione trasversale muro

Per ulteriori dettagli si rimanda agli elaborati grafici di progetto.

1 RIFERIMENTI NORMATIVI

I calcoli sviluppati nel seguito sono stati svolti nello spirito del metodo *"degli Stati Limite"* e nel rispetto della normativa vigente; in particolare si sono osservate le prescrizioni contenute nelle "Norme tecniche per le Costruzioni" (D.M. del 14/01/2008) e nelle relative istruzioni (Circ.Min. C.S.LL.PP. n.617 del 2/02/2009).

- **Ministero dei LL.PP. - D.M. 14/01/2008:** "Norme tecniche per le Costruzioni";
- **Consiglio Superiore LL.PP. - Circ.Min. n.617 del 2/02/2009:** Istruzioni per l'applicazione delle "Nuove norme tecniche per le costruzioni" di cui al decreto ministeriale 14 gennaio 2008.
- **Legge n.1086 del 5/11/1971:** "Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso ed a struttura metallica";
- **Legge n.64 del 0/02/1974:** "Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche";
- **C.N.R. 10012**: "Istruzioni per la valutazione delle azioni sulle costruzioni";
- **C.N.R. 10024**: "Analisi di strutture mediante elaboratore. Impostazione e redazione delle relazioni di calcolo".

Tutte le Norme UNI richiamate nei D.M., Istruzioni, Circolari di cui si fa menzione.

2 RIFERIMENTI BIBLIOGRAFICI

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  Ulrico Hoepli Editore - 1987
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  Thomas Telford ed. - 1996

3 PROGRAMMI PER L'ANALISI AUTOMATICA

- **SAP2000 Advanced Rel. 14.0.2 – Structural Analysis Program**
  Computers and Structures, Inc. – Berkeley CA, USA
  Programma di calcolo ad elementi finiti monodimensionali, bidimensionali e tridimensionali;
- **STS Stati Limite Rel. 1.1**
  Distribuito dall'ing. Dante Sangalli
  Programma di calcolo per la verifica alle Tensioni Ammissibili ed agli Stati Limite di sezioni in c.a. e c.a.p.;
- **Spettri di risposta ver. 1.0.3**
  Distribuito dal Consiglio Superiore LL.PP.
  Foglio di calcolo per la definizione dei parametri sismici secondo la trattazione del D.M. 14/01/2008 "Norme tecniche per le Costruzioni".
- **Paratie Plus 2010 ver. 8.0.9.38**
  Prodotto da Ce.A.S., Deep Excavation - Distribuito da Harpaceas s.r.l.
  Programma di calcolo per l'analisi di paratie flessibili pluritirantate ad elementi finiti in campo non lineare.
- **SLIDE release 5.0**
  Prodotto da Rocscience Inc.
  Programma per l'analisi di stabilità di pendii.

4 CARATTERISTICHE DEI MATERIALI

4.1 CALCESTRUZZO PER MANUFATTI IDRAULICI

Classe di resistenza	C32/40	-
Rapporto massimo acqua / cemento	0.50	-
Slump	S4	-
Diametro massimo inerte	32	mm
Classe di esposizione	XC4	-

Caratteristiche del calcestruzzo:

Resistenza caratt. a compressione cubica	R_{ck}	=	-	=	40	N/mm^2
Resistenza caratt. a compressione cilindr.	f_{ck}	=	-	=	32	N/mm^2
Resistenza media a compressione cilindr.	f_{cm}	=	$f_{ck}+8$	=	41.20	N/mm^2
Modulo elastico	E_c	=	$22000\ (f_{cm}/10)^{0.3}$	=	33643	N/mm^2
Resistenza a trazione semplice	f_{ctm}	=	$0.3\ f_{ck}^{2/3}$	=	3.10	N/mm^2
Resistenza a trazione caratt. (frattile 5%)	f_{ctk}	=	$0.7\ f_{ctm}$	=	2.17	N/mm^2

Resistenze di calcolo a SLU:

Coeff. parziale di sicurezza	γ_c	=	-	=	1.50	-
Coeff. riduttivo per resist. di lunga durata	α_{cc}	=	-	=	0.85	-
Resistenza a compressione di calcolo	f_{cd}	=	$\alpha_{cc}\ f_{ck}/\gamma_c$	=	18.81	N/mm^2
Resistenza a trazione di calcolo	f_{ctd}	=	f_{ctk}/γ_c	=	1.45	N/mm^2

Resistenze di calcolo a SLE:

Massima compressione (Comb. Rara)	γ_c	=	$0.60\ f_{ck}$	=	19.92	N/mm^2
Massima compressione (Comb. Q.P.)	γ_c	=	$0.45\ f_{ck}$	=	14.94	N/mm^2

4.2 CALCESTRUZZO PER FONDAZIONI OPERE D'IMBOCCO (GETTI IN OPERA)

Classe di resistenza	C25/30	-
Rapporto massimo acqua / cemento	0.50	-
Slump	S4	-
Diametro massimo inerte	32	mm
Classe di esposizione	XC2	-

Caratteristiche del calcestruzzo:

Resistenza caratt. a compressione cubica	R_{ck}	=	-	=	30	N/mm^2
Resistenza caratt. a compressione cilindr.	f_{ck}	=	-	=	25	N/mm^2
Resistenza media a compressione cilindr.	f_{cm}	=	$f_{ck}+8$	=	32.90	N/mm^2
Modulo elastico	E_c	=	$22000\ (f_{cm}/10)^{0.3}$	=	31447	N/mm^2
Resistenza a trazione semplice	f_{ctm}	=	$0.3\ f_{ck}^{2/3}$	=	2.56	N/mm^2
Resistenza a trazione caratt. (frattile 5%)	f_{ctk}	=	$0.7\ f_{ctm}$	=	1.79	N/mm^2

Resistenze di calcolo a SLU:

Coeff. parziale di sicurezza	γ_c	=	-	=	1.50	-
Coeff. riduttivo per resist. di lunga durata	α_{cc}	=	-	=	0.85	-
Resistenza a compressione di calcolo	f_{cd}	=	$\alpha_{cc}\ f_{ck}/\gamma_c$	=	14.11	N/mm^2
Resistenza a trazione di calcolo	f_{ctd}	=	f_{ctk}/γ_c	=	1.19	N/mm^2

Resistenze di calcolo a SLE:

Massima compressione (Comb. Rara)	γ_c	=	$0.60\ f_{ck}$	=	14.94	N/mm^2
Massima compressione (Comb. Q.P.)	γ_c	=	$0.45\ f_{ck}$	=	11.21	N/mm^2

4.3 CALCESTRUZZO PER ELEVAZIONI OPERE D'IMBOCCO (GETTI IN OPERA)

Classe di resistenza	C32/40	-
Rapporto massimo acqua / cemento	0.50	-
Slump	S4	-
Diametro massimo inerte	32	mm
Classe di esposizione	XC4-XS1-XF2	-

Caratteristiche del calcestruzzo:

Resistenza caratt. a compressione cubica	R_{ck}	=	-	=	40	N/mm^2
Resistenza caratt. a compressione cilindr.	f_{ck}	=	-	=	32	N/mm^2
Resistenza media a compressione cilindr.	f_{cm}	=	$f_{ck}+8$	=	41.20	N/mm^2
Modulo elastico	E_c	=	$22000\ (f_{cm}/10)^{0.3}$	=	33643	N/mm^2
Resistenza a trazione semplice	f_{ctm}	=	$0.3\ f_{ck}^{2/3}$	=	3.10	N/mm^2
Resistenza a trazione caratt. (frattile 5%)	f_{ctk}	=	$0.7\ f_{ctm}$	=	2.17	N/mm^2

Resistenze di calcolo a SLU:

Coeff. parziale di sicurezza	γ_c	=	-	=	1.50	-
Coeff. riduttivo per resist. di lunga durata	α_{cc}	=	-	=	0.85	-
Resistenza a compressione di calcolo	f_{cd}	=	$\alpha_{cc}\ f_{ck}/\gamma_c$	=	18.81	N/mm^2
Resistenza a trazione di calcolo	f_{ctd}	=	f_{ctk}/γ_c	=	1.45	N/mm^2

Resistenze di calcolo a SLE:

Massima compressione (Comb. Rara)	γ_c	=	$0.60\ f_{ck}$	=	19.92	N/mm^2
Massima compressione (Comb. Q.P.)	γ_c	=	$0.45\ f_{ck}$	=	14.94	N/mm^2

4.4 MISCELA CEMENTIZIA PER MICROPALI

Classe di resistenza	C25/30	-
Rapporto massimo acqua / cemento	0.50	-
Contenuto minimo di cemento	300	kg/m^3
Diametro massimo inerte	32	mm
Classe di esposizione	XC2	-

Caratteristiche del calcestruzzo:

Resistenza caratt. a compressione cubica	R_{ck}	=	-	=	30	N/mm^2
Resistenza caratt. a compressione cilindr.	f_{ck}	=	-	=	25	N/mm^2
Resistenza media a compressione cilindr.	f_{cm}	=	$f_{ck}+8$	=	32.90	N/mm^2
Modulo elastico	E_c	=	$22000\ (f_{cm}/10)^{0.3}$	=	31447	N/mm^2
Resistenza a trazione semplice	f_{ctm}	=	$0.3\ f_{ck}^{2/3}$	=	2.56	N/mm^2
Resistenza a trazione caratt. (frattile 5%)	f_{ctk}	=	$0.7\ f_{ctm}$	=	1.79	N/mm^2

Resistenze di calcolo a SLU:

Coeff. parziale di sicurezza	γ_c	=	-	=	1.50	-
Coeff. riduttivo per resist. di lunga durata	α_{cc}	=	-	=	0.85	-
Resistenza a compressione di calcolo	f_{cd}	=	$\alpha_{cc}\ f_{ck}/\gamma_c$	=	14.11	N/mm^2
Resistenza a trazione di calcolo	f_{ctd}	=	f_{ctk}/γ_c	=	1.19	N/mm^2

Resistenze di calcolo a SLE:

Massima compressione (Comb. Rara)	γ_c	=	$0.60\ f_{ck}$	=	14.94	N/mm^2
Massima compressione (Comb. Q.P.)	γ_c	=	$0.45\ f_{ck}$	=	11.21	N/mm^2

4.5 ACCIAIO PER CEMENTO ARMATO

Tipo di acciaio	B450C	-
Copriferro min. per manufatti idraulici	40	mm
Copriferro min. per fondazioni imbocchi	40	mm
Copriferro min. per elevazioni imbocchi	45	mm
Sovrapposizioni continue	50	¤

Caratteristiche dell'acciaio:

Tensione caratt. di rottura (fratt. 5%)	f_{tk}	=	-	=	540.00	N/mm^2
Tensione caratt. di snervamento (fratt. 5%)	f_{yk}	=	-	=	450.00	N/mm^2

Resistenze di calcolo a SLU:

Coeff. parziale di sicurezza	¤$_s$	=	-	=	1.15	-
Resistenza a trazione di calcolo	f_{yd}	=	f_{yk}/¤$_s$	=	391.30	N/mm^2

Resistenze di calcolo a SLE:

Tensione massima di trazione	¤$_s$	<	0.80 f_{yk}	=	360.00	N/mm^2

4.6 ACCIAIO DA CARPENTERIA METALLICA PER MICROPALI

Tipo di acciaio	S355J0	(ex 510 C)

Caratteristiche dell'acciaio:

Modulo elastico	E	=	-	=	210000	N/mm^2
Tensione caratt. di rottura (t¤40mm)	f_{tk}	=	-	=	510.00	N/mm^2
Tensione caratt. di snervamento (t¤40mm)	f_{yk}	=	-	=	355.00	N/mm^2

Resistenze di calcolo a SLU:

Coeff. parziale di sicurezza	¤$_s$	=	-	=	1.05	-
Resistenza di calcolo	f_{yd}	=	f_{yk}/¤$_s$	=	338.10	N/mm^2

4.7 ACCIAIO DA CARPENTERIA METALLICA PER CONTRASTI

Tipo di acciaio	S275J0 (ex 430 C)

Caratteristiche dell'acciaio:

Modulo elastico	E	=	-	=	210000	N/mm^2
Tensione caratt. di rottura (t¤40mm)	f_{tk}	=	-	=	430.00	N/mm^2
Tensione caratt. di snervamento (t¤40mm)	f_{yk}	=	-	=	275.00	N/mm^2

Resistenze di calcolo a SLU:

Coeff. parziale di sicurezza	$¤_s$	=	-	=	1.05	-
Resistenza di calcolo	f_{yd}	=	$f_{yk}/¤_s$	=	261.90	N/mm^2

5 DESCRIZIONE DELLA STRUTTURA E DEL LUOGO

L'opera in progetto consiste nell'adeguamento di un esistente tombino idraulico scatolare 200▫200cm dell'autostrada A3 Salerno-Reggio Calabria: negli elaborati grafici il prolungamento a valle viene indicato con la progressiva dell'asse Rampa C in progetto (km 1+863.84), mentre il prolungamento a monte con la progressiva dell'asse Rampa A in progetto (km 2+498.10).

Lo stato di fatto si compone delle seguenti opere:

a) Un manufatto d'imbocco in c.a. gettato in opera, in fregio alla carreggiata dell'Autostrada A3 direzione Salerno, in continuità ad un fosso rivestito con materassi tipo "Reno";

b) Un tombino scatolare 200▫200cm in c.a. gettato in opera che sottopassa la carreggiata dell'Autostrada A3 direzione Salerno;

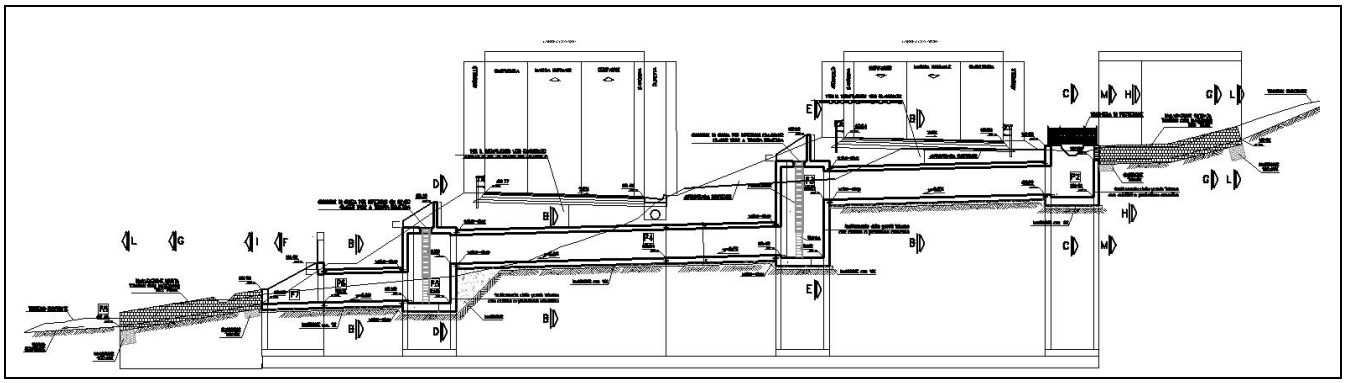
c) Un pozzetto di caduta gettato in opera in c.a., ubicato tra le due carreggiate dell'Autostrada A3;

d) Un tombino scatolare 200▫200cm in c.a. gettato in opera che sottopassa la carreggiata dell'Autostrada A3 direzione Reggio Calabria;

e) Un pozzetto di caduta in c.a. gettato in opera, in fregio alla carreggiata dell'Autostrada A3 direzione Reggio Calabria;

f) Un tombino scatolare 200▫200cm in c.a. gettato in opera di lunghezza 550cm;

g) Un manufatto di sbocco in c.a. gettato in opera, in continuità ad un fosso rivestito con materassi tipo "Reno".

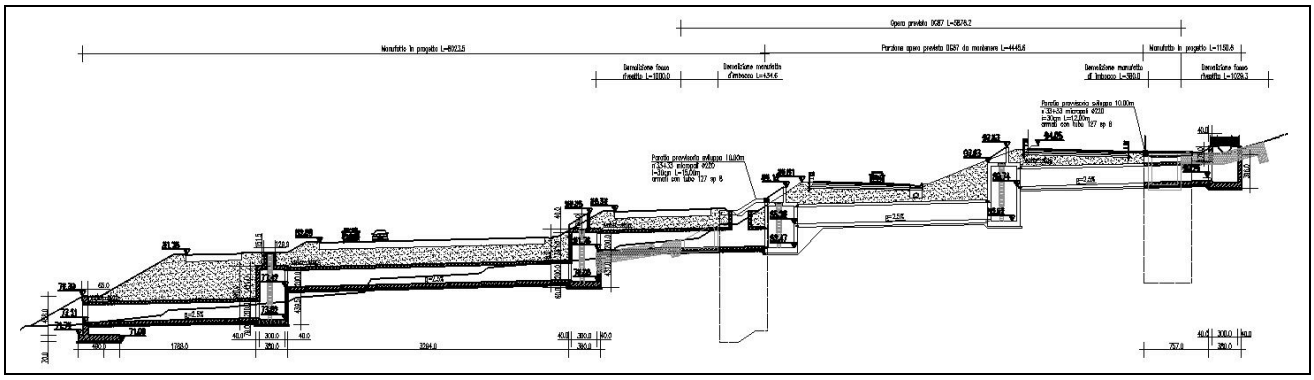


Profilo - Stato di fatto

A seguito delle nuove opere previste nel Progetto Definitivo del Ponte sullo Stretto di Messina sarà necessario adeguare lo stato di fatto, prolungando l'opera sia a monte che a valle.

I nuovi tratti di tombino, necessari per garantire la continuità idraulica a seguito della realizzazione delle nuove Rampe in progetto, sono stati progettati per risultare il più possibile omogenei con l'esistente: in particolare è stata mantenuta sia la tipologia (elementi scatolari di dimensioni interne 200×200cm gettati in opera in c.a.) che la pendenza longitudinale dell'esistente (circa 2.5%).

I pozzetti di caduta (realizzati in c.a. gettato in opera) sono stati progettati per compensare i dislivelli tra i vari tratti del tombino, ripristinare gli inviti ai fossi di guardia della A3 esistente e consentire l'accesso per l'ispezione periodica dell'opera.



Profilo - Nuove opere in progetto

5.1 CARATTERISTICHE GEOMETRICHE E UBICAZIONE DELLA STRUTTURA

A monte della carreggiata autostradale esistente (direzione Salerno) sono previsti i seguenti interventi:

- Demolizione del manufatto d'imbocco (*a*) e del fosso rivestito e realizzazione di un nuovo manufatto d'imbocco gettato in opera in c.a. di dimensioni interne in pianta 300□450cm;
- Prolungamento del tombino idraulico scatolare (in continuità con l'esistente) per coprire la distanza rispetto al nuovo manufatto d'imbocco (L=7.60m): il tombino viene realizzato con una struttura in c.a. gettata in opera, mantenendo la pendenza longitudinale dell'esistente (pari al 2.5%). La solidarizzazione tra il nuovo tratto in progetto e l'esistente verrà realizzata con l'inghisaggio di barre in acciaio ad aderenza migliorata mentre la tenuta idraulica verrà assicurata dall'utilizzo di appositi giunti water-stop. Inoltre lo scatolare verrà adeguatamente impermeabilizzato esternamente con una guaina in PVC protetta da un doppio strato di TNT.

Per procedere all'esecuzione delle opere descritte sarà necessario realizzare attorno al manufatto d'imbocco da demolire una paratia provvisoria in micropali, per garantire il sostegno del rilevato dell'autostrada esistente durante le lavorazioni. In pianta la paratia presenta una forma "a C" ed uno sviluppo complessivo pari a 20.00m: si compone di 33+33 micropali □220mm (interasse= 30cm, lunghezza=12m) solidarizzati in testa da un cordolo in c.a. gettato in opera.

Per garantire un'adeguata rigidezza e mantenere contenuti gli spostamenti orizzontali, la paratia verrà sostenuta da 2 ordini di contrasti: per evitare le interferenze con il rilevato autostradale esistente si è scelto di non ricorrere ai tiranti ma di utilizzare delle travi di contrasto a valle (realizzate con profili commerciali in acciaio).

A valle della carreggiata autostradale esistente (direzione Reggio Calabria), a seguito della realizzazione del piazzale di sosta e controllo e delle Rampe C-F sono previsti i seguenti interventi:

- Demolizione del manufatto di sbocco (*e*), del fosso rivestito e del tombino scatolare tra tale il manufatto di sbocco ed il pozzetto di caduta;
- Realizzazione di un nuovo tratto di tombino scatolare per garantire la continuità idraulica sotto la Rampa C in progetto: il tombino viene realizzato in c.a. gettato in opera con dimensioni interne nette 200□200cm, pendenza longitudinale del 2.5% e sviluppo totale pari a circa 19.25m; in prossimità delle canalette di superficie è prevista la realizzazione di un torrino a cielo aperto per convogliare le acque provenienti dalle canalette stesse;
- Realizzazione di un pozzetto di caduta in c.a. gettato in opera di dimensioni interne in pianta

300□200cm, ubicato tra la carreggiata della Rampa C ed il piazzale di sosta e controllo;

- Realizzazione di un nuovo tombino scatolare per garantire la continuità idraulica sotto il piazzale di sosta e controllo in progetto: il tombino viene realizzato in c.a. gettato in opera con dimensioni interne nette 200□200cm, pendenza longitudinale del 2.5% e sviluppo totale pari a circa 32.95m;
- Realizzazione di un pozzetto di caduta in c.a. gettato in opera di dimensioni interne in pianta 300□200cm, ubicato tra il piazzale di sosta e controllo e la carreggiata della Rampa F;
- Realizzazione di un nuovo tombino scatolare per garantire la continuità idraulica sotto la Rampa F in progetto: il tombino viene realizzato in c.a. gettato in opera con dimensioni interne nette 200□200cm, pendenza longitudinale del 2.5% e sviluppo totale pari a circa 17.90m;
- Realizzazione di un muro in c.a. gettato in opera per il sostegno del rilevato della Rampa F: la sezione trasversale del muro si compone di un'elevazione di dimensioni 460□60cm e di una ciabatta di fondazione di dimensioni 490□70cm.

Per procedere all'esecuzione delle opere descritte sarà necessario realizzare in fregio al pozzetto di caduta (*e*) una paratia provvisoria in micropali, per garantire il sostegno del rilevato dell'Autostrada esistente a seguito della demolizione del manufatto di sbocco e del tombino scatolare che collega il manufatto di sbocco al pozzetto di caduta. In pianta la paratia presenta una forma "a C" ed uno sviluppo complessivo pari a 20.00m: si compone di 33+33 micropali □220mm (interasse=30cm, lunghezza=15 m) solidarizzati in testa da un cordolo in c.a. gettato in opera.

Per garantire un'adeguata rigidezza e mantenere contenuti gli spostamenti orizzontali, la paratia verrà sostenuta da 3 ordini di contrasti: per evitare le interferenze con il rilevato autostradale esistente si è scelto di non ricorrere ai tiranti ma di utilizzare delle travi di contrasto a valle (realizzate con profili commerciali in acciaio).

5.2 CARATTERIZZAZIONE GEOTECNICA

Per i criteri e per gli aspetti generali di caratterizzazione si rimanda a quanto riportato nella relazione Elab. CG0800PRBDCSBC8G000000001. Per la definizione delle categorie di suolo si rimanda al medesimo elaborato ed alla relazione sismica di riferimento.

Descrizione delle litologie prevalenti

Le litologie prevalenti sono costituite dalle formazioni dei Depositi di versante.

Depositi di versante: sono depositi detritici olocenici alimentati da processi di degradazione e trasporto dovuto sia alle acque di dilavamento che alla gravità ed accumulati, in genere, alla base dei versanti. Affiora come un deposito di sabbie di colore rossastro da medie a grossolane, solo subordinatamente fini, con rare intercalazioni di livelli di ghiaiosi o limosi.

Depositi terrazzati marini: sono rappresentati da depositi marini sabbiosi e sabbioso ghiaiosi fortemente pedogenizzati in prossimità della superficie. I depositi dei terrazzi marini rappresentano terre da sciolte a debolmente coesive con cementazione da debole ad assente.

L'età attribuibile ai terrazzi cartografati nell'area di intervento copre l'intervallo Pleistocene medio-superiore.

Le plutoniti costituite da rocce cristalline graniotoidi nel settore centro-meridionale sono, costituite da leucogranodioriti a due miche e graniti-monzograniti.

All'interno dei graniti è stato localmente riscontrato un sensibile grado di alterazione idrotermale che conferisce alla roccia un aspetto brecciato, a luoghi con colorazione biancastra e farinosa al tatto. Le evidenze di affioramento e di sondaggio consentono di ritenere determinante, ai fini della caratterizzazione geomeccanica dell'ammasso roccioso, la presenza di una fratturazione, a luoghi molto intensa legata alla coesistenza di più sistemi di discontinuità che, tuttavia, non conferiscono all'ammasso una spiccata anisotropia.

La falda non risulta interferente con le opere.

Localmente non ci sono indagini che indagano nei primi 30m di profondità per la caratterizzazione sismica del suolo. Si può porre una categoria di suolo pari a cat. **C**.

Indagini previste

Data l'esiguità dei sondaggi e delle prove localmente presenti (C427, C433), si è scelto di tenere conto anche di altri sondaggi e prove disponibili.

Le prove localmente utilizzate nella caratterizzazione sono:

Depositi di versante

Si considerano i sondaggi della caratterizzazione generale.

- prove SPT (C406,C407,C423BIS,C424,C421,C425,C433,C424)
- 2 prove sismiche (SG11,C423BIS)
- Prove di laboratorio per la determinazione dei parametri fisici

Depositi terrazzati marini

Si considerano i sondaggi della tratta relativa alla Rampa A_acc.

- prove SPT (C428, C429, C430, C432, C434)
- 1 prova sismica (C430)
- 3 prove Le Franc (CN451, C425, C430)
- Prove di laboratorio per la determinazione dei parametri fisici ed elle caratteristiche di resistenza (TD, sondaggio C410, CN451)

Plutoniti

Si considerano i sondaggi della caratterizzazione generale.

- 15 rilievi geostrutturali
- 3 prove sismiche (SG11, SG11bis, CN451)
- 12 prove pressiometriche e dilatometriche

Depositi di versante

Per le caratteristiche fisiche l'andamento del fuso conferma che le caratteristiche granulometriche dei materiali in esame sono tipiche di materiali sia di materiali a grana grossa (ghiaie 12%), sia di materiali intermedi (sabbie 60%). Il contenuto di fino è mediamente del 22%.

Con riferimento al fuso medio si ha:

- Il valore di $\mathbf{D_{50}}$ è pari a 0.25mm
- Il valore di $\mathbf{D_{60}}$ è pari a 0.4 mm
- Il valore di $\mathbf{D_{10}}$ è pari a 0.005 mm

Il peso di volume dei grani γ_s è risultato pari a circa 26 kN/m3;

Per lo stato iniziale dalle elaborazioni risulta che:

- **Dr:** la densità relativa media della sola componente sabbiosa è del 40-70%. I valori di Nspt sono stati corretti con un fattore Csg=0.95.
- γ_d **:** si può stimare un valore medio di γ_d pari a circa 19 -21 KN/m^3

Per i parametri di resistenza al taglio in termini di sforzi efficaci sulla base delle prove SPT si è

ottenuto un valore medio di angolo di attrito di 38°; ai parametri di resistenza operativi al taglio in termini di sforzi efficaci si sono assegnati i seguenti valori operativi:

c_p' = 0 kPa = coesione apparente

$\square_p'$ = 36□38° =angolo di resistenza al taglio

Per i valori di stato critico, in assenza di prove specifiche, in base ai dati di letteratura si possono definire i seguenti valori operativi

c_r' = 0 kPa = coesione apparente

$\square_r'$ = 33°-35° =angolo di resistenza al taglio

Per le <u>caratteristiche di deformabilità</u> dalle prove sismiche in foro si ottengono valori di Vs che mostrano una tendenza all'aumento con la profondità con valori che arrivano a 200 m/s fino a 10m di profondità.

Ai valori delle velocità di taglio Vs corrispondono moduli di taglio iniziali G_0 che mostrano un andamento crescente con la profondità, da 80MPa a 160MPa a 10m di profondità.

Da prove SPT invece valori di G_0 variano da 30 a 130MPa nei primi 10m.

Per G ed $_0E_0$ una stima è data quindi da:

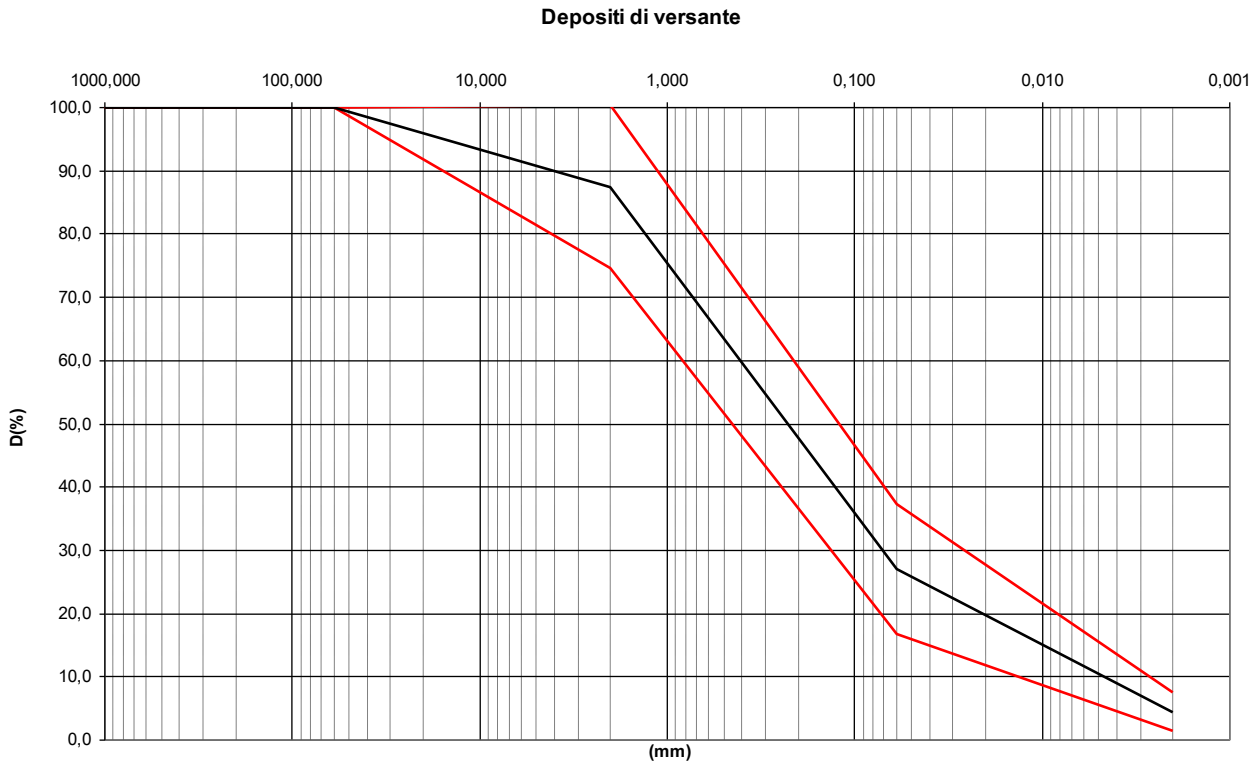
$$G_0 \quad 20 \quad z^{0.85}$$

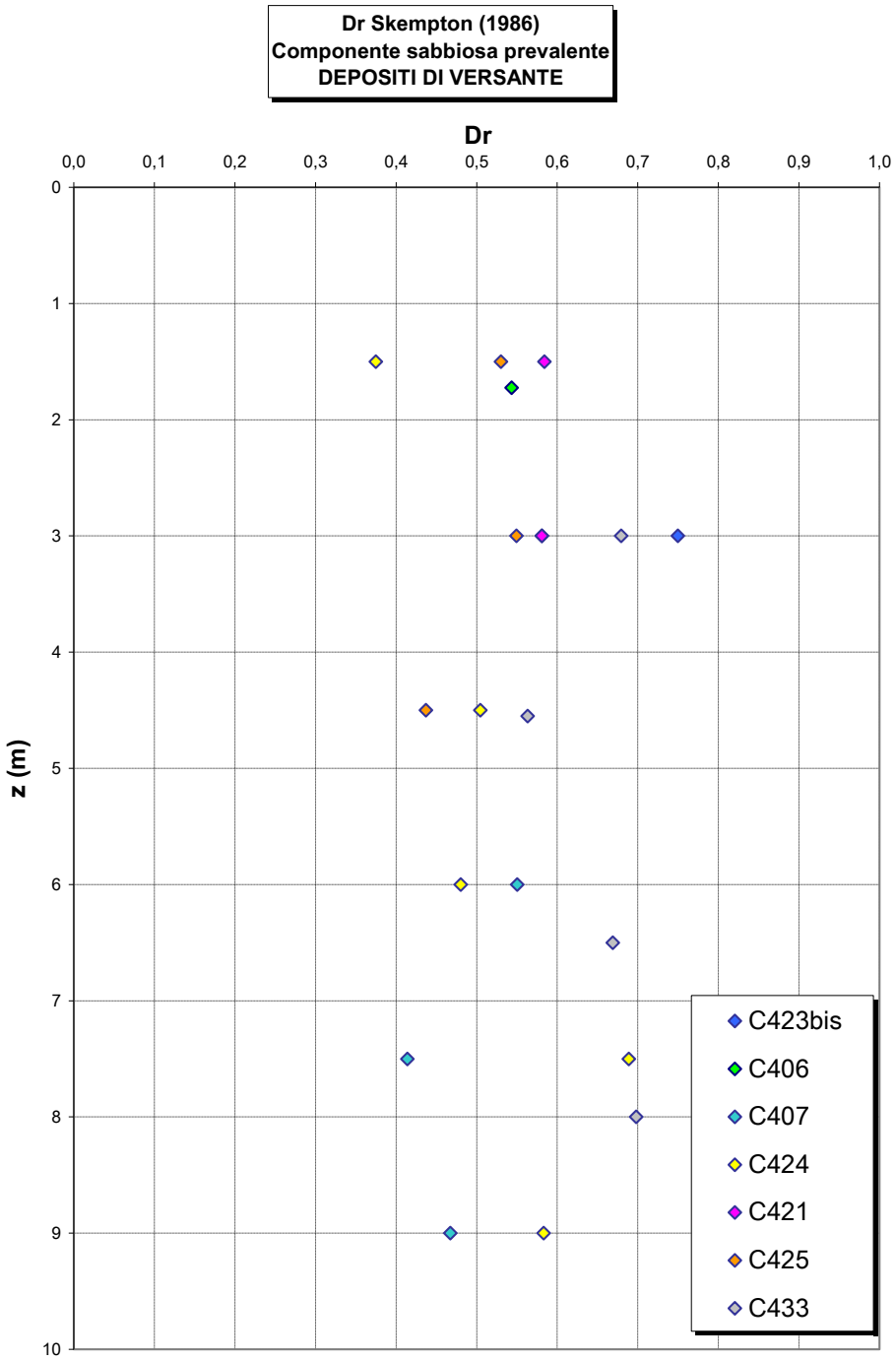
$$E_0 \quad 48 \quad z^{0.85}$$

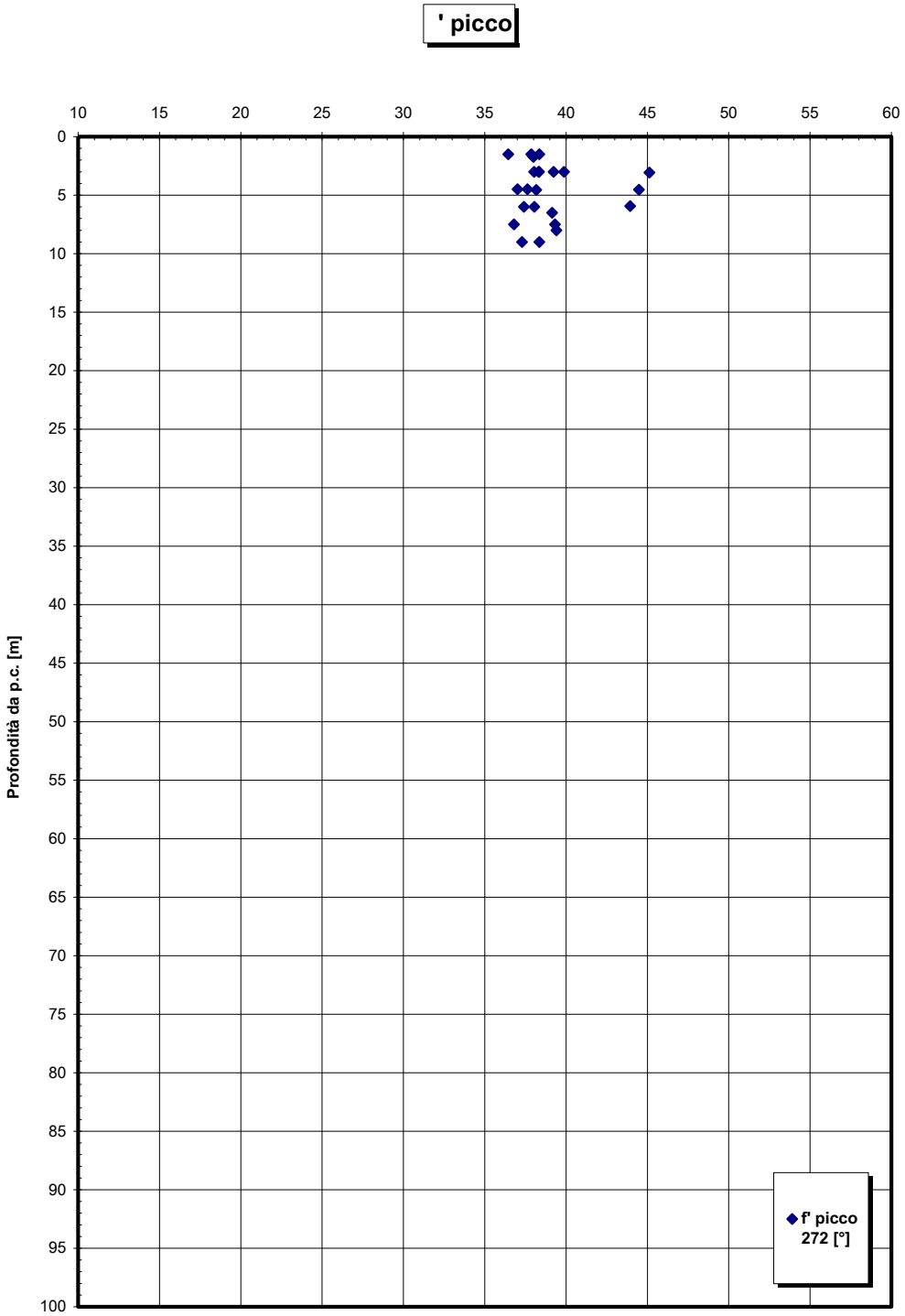
I moduli di Young "operativi" a medie deformazioni, valutati sulla base dei criteri descritti nei capitoli precedenti risulteranno pari a:

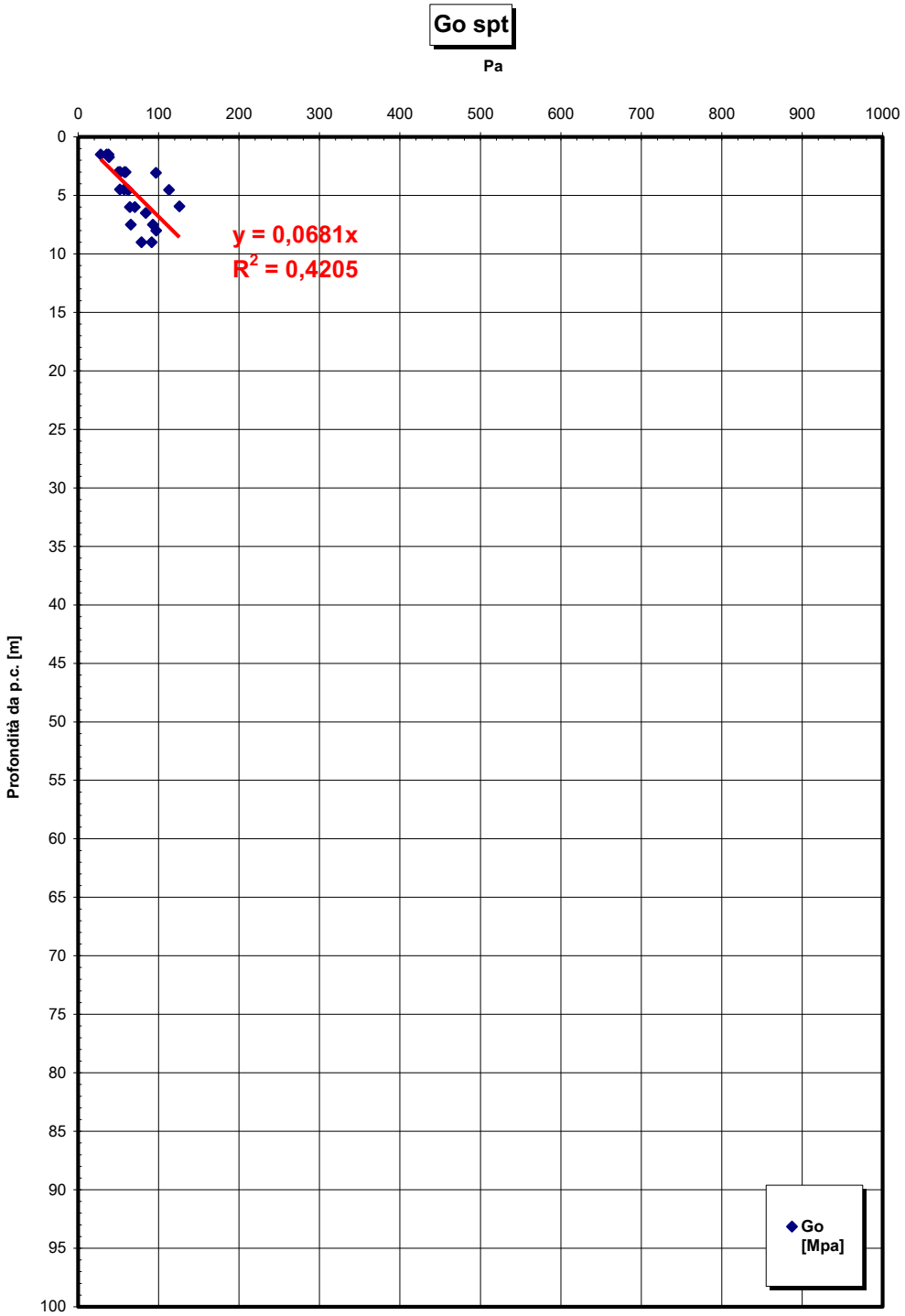
$$E \quad (6 \quad 16) \quad z^{0.85}$$

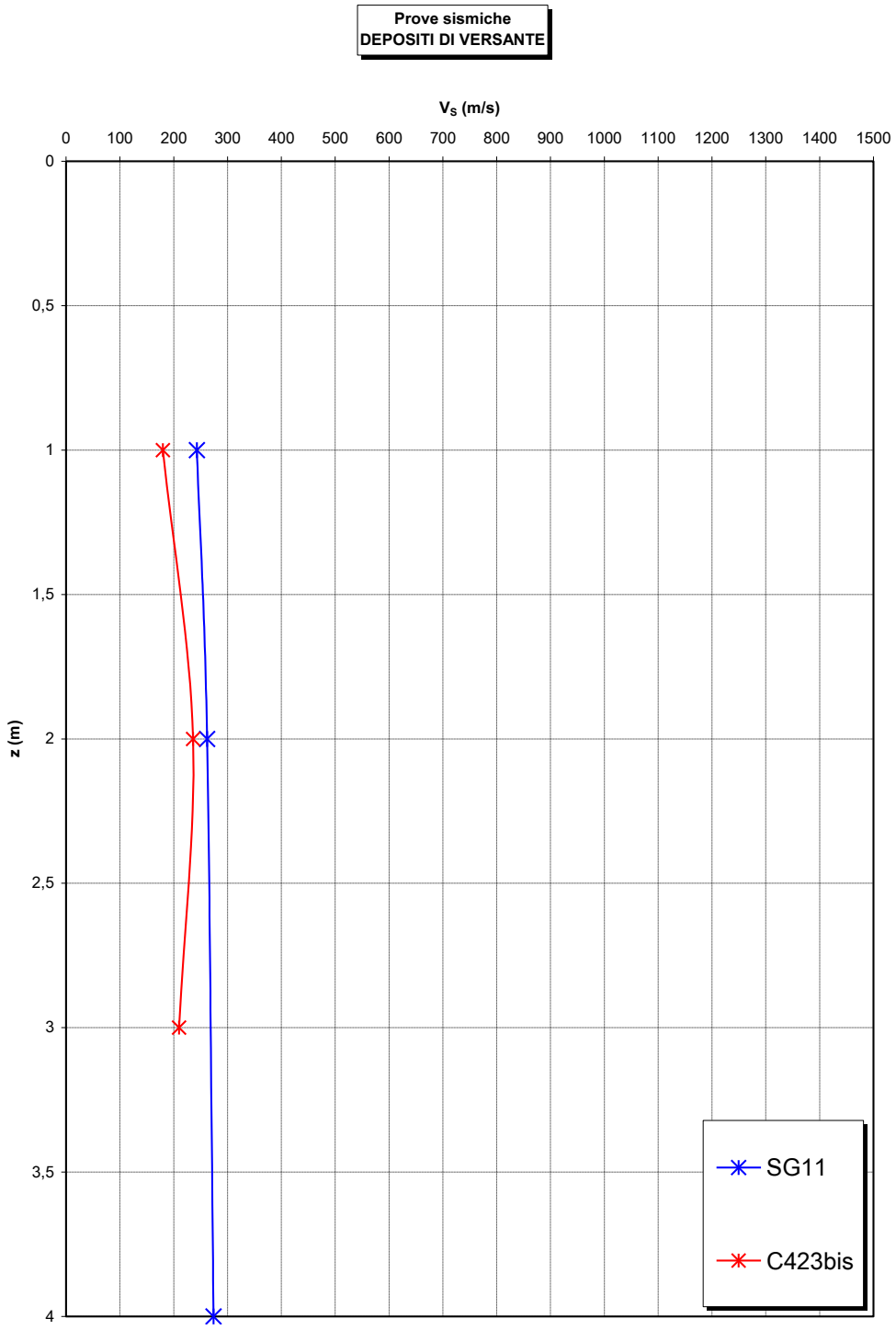
pari rispettivamente a circa 1/5÷1/10 (medie e grandi deformazioni) ed 1/3 (piccole deformazioni) di quelli iniziali .

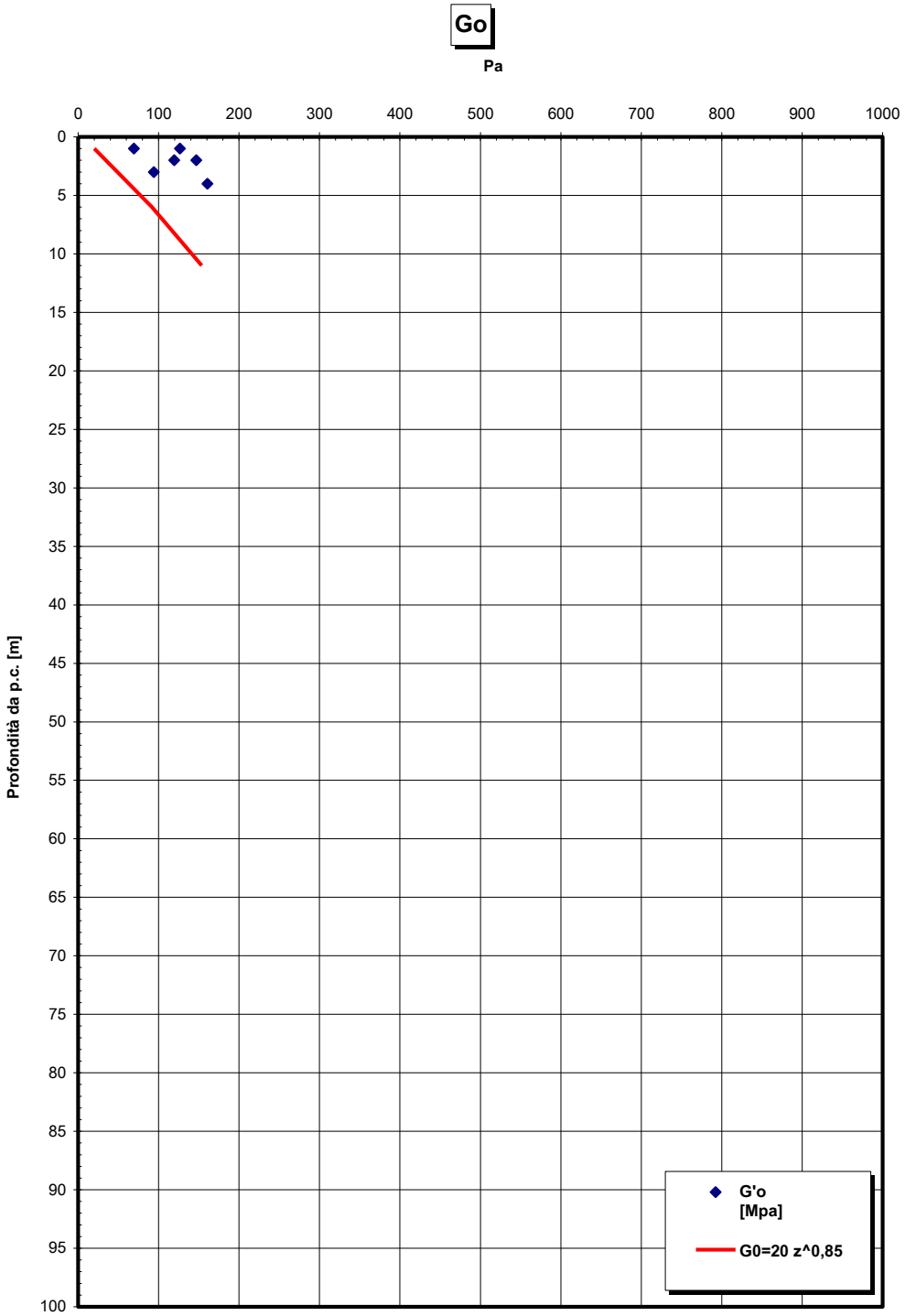

Depositi di versante
1000,000
100,000
10,000
1,000
0,100
0,010
0,001
100,0
90,0
80,0
70,0
60,0
50,0
40,0
30,0
20,0
10,0
0,0
D(%)
(mm)

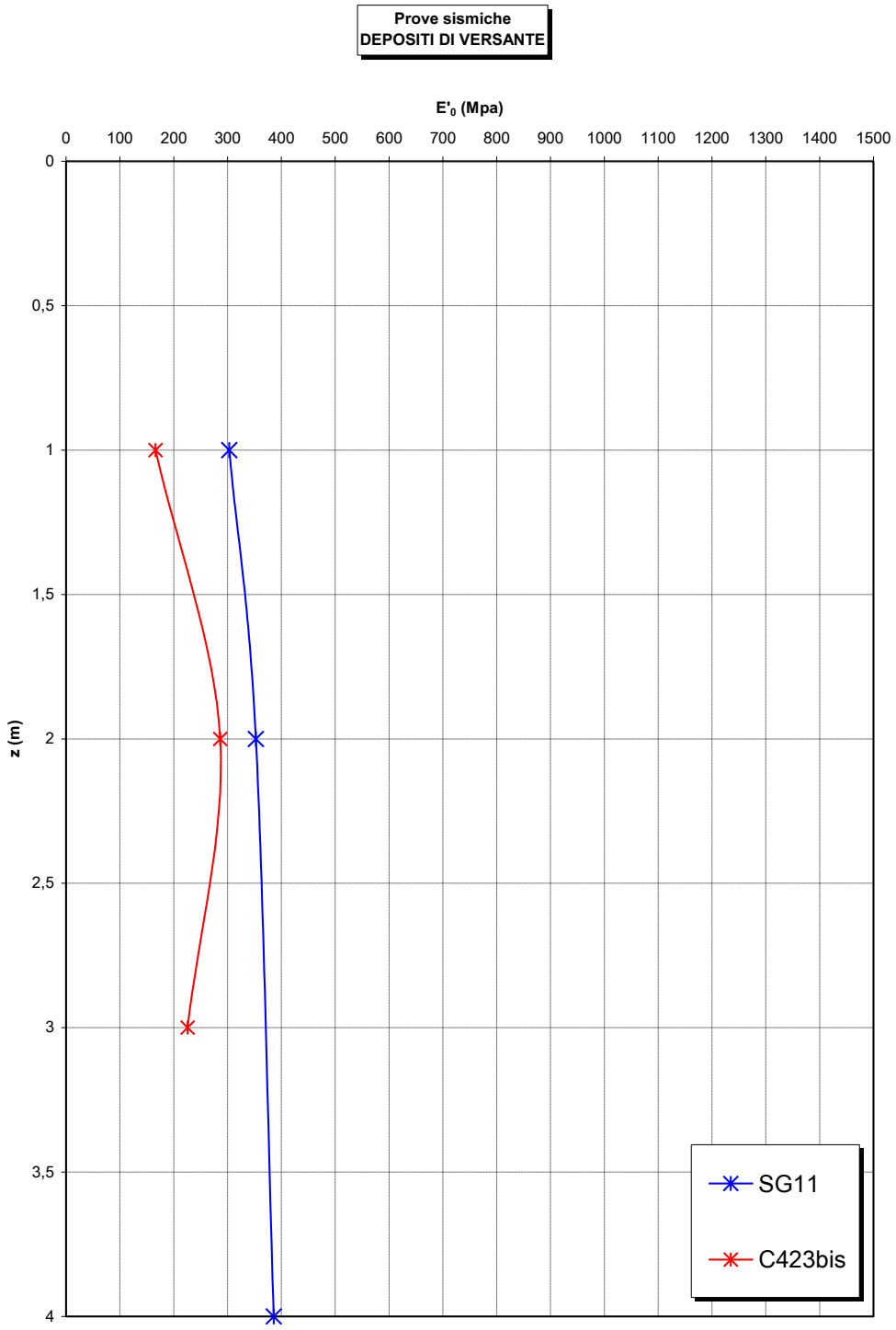

Dr Skempton (1986)
Componente sabbiosa prevalente
DEPOSITI DI VERSANTE
Dr
0,0
0,1
0,2
0,3
0,4
0,5
0,6
0,7
0,8
0,9
1,0
z (m)
0
1
2
3
4
5
6
7
8
9
10
C423bis
C406
C407
C424
C421
C425
C433


' picco
Profondità da p.c. [m]
f' picco
272 [°]


Go spt
Pa
0
100
200
300
400
500
600
700
800
900
1000
Profondità da p.c. [m]
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
y = 0,0681x
R2 = 0,4205
Go [Mpa]


Prove sismiche
DEPOSITI DI VERSANTE
Vs (m/s)
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
z (m)
0
0,5
1
1,5
2
2,5
3
3,5
4
SG11
C423bis


Go
Pa
0
100
200
300
400
500
600
700
800
900
1000
Profondità da p.c. [m]
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
G'o
[Mpa]
G0=20 z^0,85


Prove sismiche
DEPOSITI DI VERSANTE
E'0 (Mpa)
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
z (m)
0
0,5
1
1,5
2
2,5
3
3,5
4
SG11
C423bis

Depositi terrazzati marini

Per le caratteristiche fisiche l'andamento del fuso evidenzia che le caratteristiche granulometriche dei materiali in esame sono tipiche di materiali sia di materiali a grana grossa (ghiaie 30%), sia di materiali intermedi (sabbie 50%). Il contenuto di fino è mediamente del 17%.

Con riferimento al fuso medio si ha:

- Il valore di $\mathbf{D_{50}}$ è pari a 0.5mm
- Il valore di $\mathbf{D_{60}}$ è pari a 1.0 mm
- Il valore di $\mathbf{D_{10}}$ è pari a 0.008 mm

Il peso di volume dei grani γ_s è risultato pari a circa 26.5 kN/m^3.

Da letteratura si hanno a disposizione i valori di γ_{dmax} e γ_{dmin} pari rispettivamente a 18.8 e 15.7 kN/m^3

Per lo stato iniziale si ha:

- **Dr:** i valori di N_{spt} sono stati corretti con il fattore correttivo C_{sg}=0.85 corrispondente al d50=0.5mm.
- **e_o:** a partire dal d50 stimato si ottiene di e_{max}-e_{min} pari a 0.35. Stimando per e_{max} un valore pari a 0.7 a partire dai valori di Dr è stato possibile determinare i valori di $\mathbf{e_o}$ in sito.
- **γd :** in base ai valori di $\mathbf{e_o}$ da γ_s si può stimare γ, riportato nel grafico.
- **K_0:** si considera la relazione di Jaky.

Dr(%) Prevalente sabbiosa	Dr(%) Sabbie e ghiaie	γd(KN/m3)	K_0
50-80	-	17-20	0.35-0.4

Per quanto riguarda le caratteristiche di resistenza sulla base delle prove SPT si è ottenuto un valore medio di angolo di attrito di circa 40°.

z(m)	$\gamma'_{p\ (pff=0-272KPa)}$ (°)	$\gamma'_{p\ (pff=-272-350KPa)}$ (°)	γ'_{cv} (°)
0-10	38-41	35-38	33-35

Ai parametri di resistenza operativi al taglio in termini di sforzi efficaci si sono assegnati i seguenti valori operativi:

c' = 0 kPa = coesione apparente

¤' = 38°¤40° =angolo di resistenza al taglio

Per i valori di stato critico, in assenza di prove specifiche, in base ai dati di letteratura si possono definire i seguenti valori operativi

c_r' = 0 kPa = coesione apparente

¤$_r$' = 33°-35° =angolo di resistenza al taglio

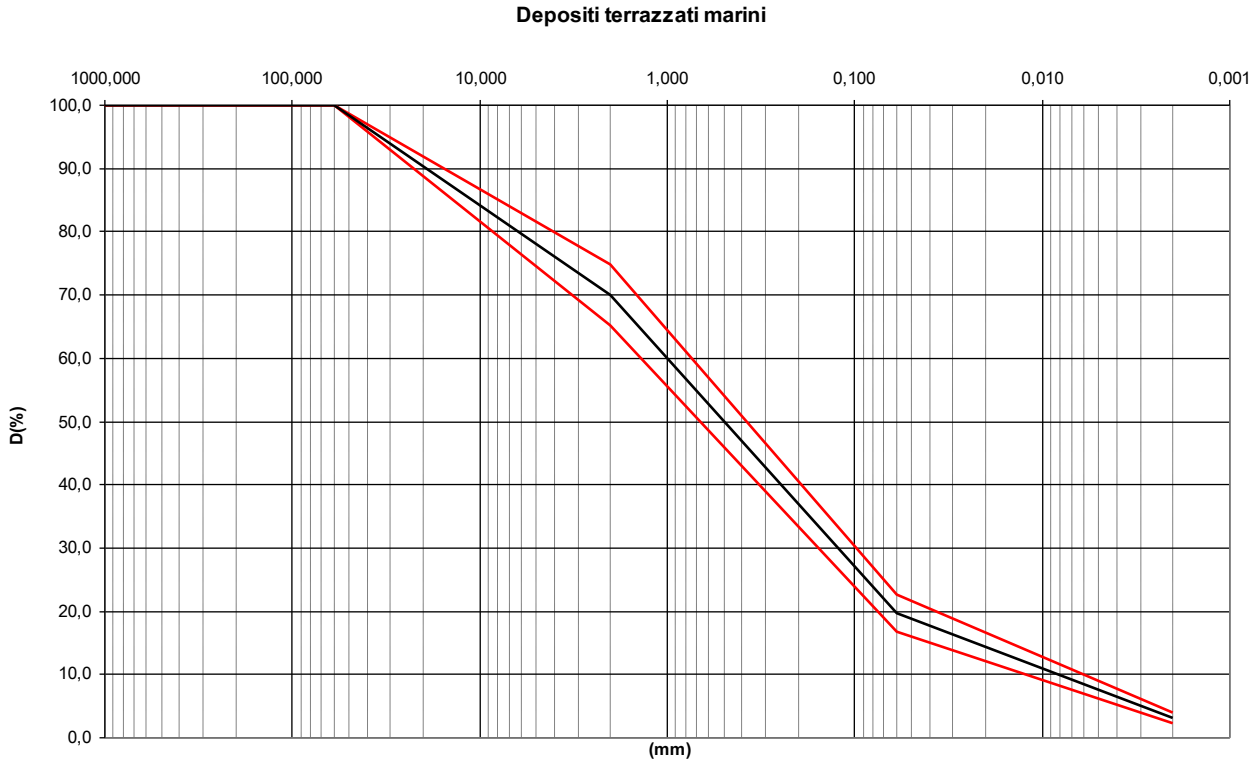
Dalle prove di laboratorio su campioni rimaneggiati si ottiene per l'angolo di attrito un valore di 30°-35°.

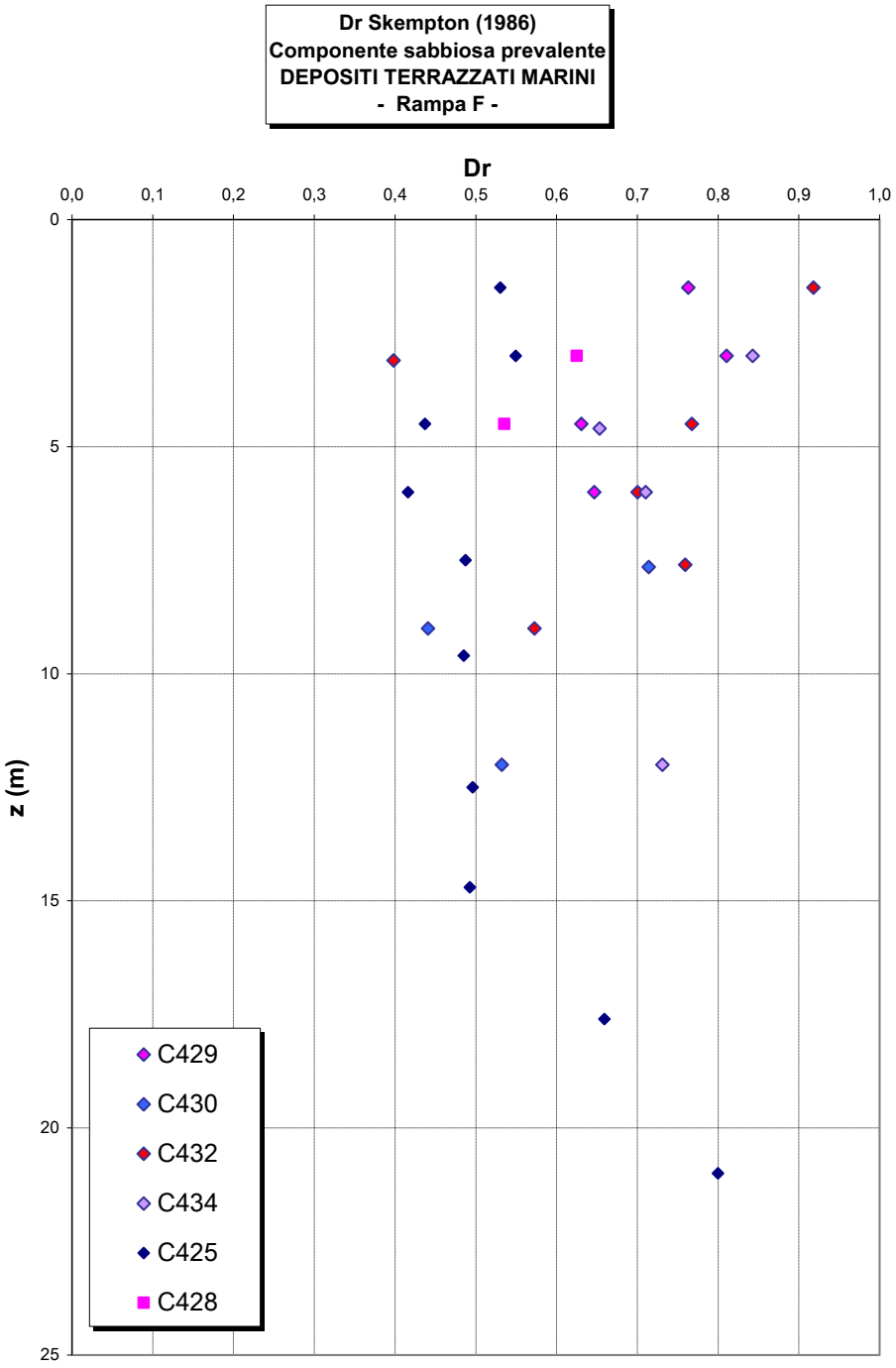
Per le caratteristiche di deformabilità in base alle SPT e alle sismiche si può assumere:

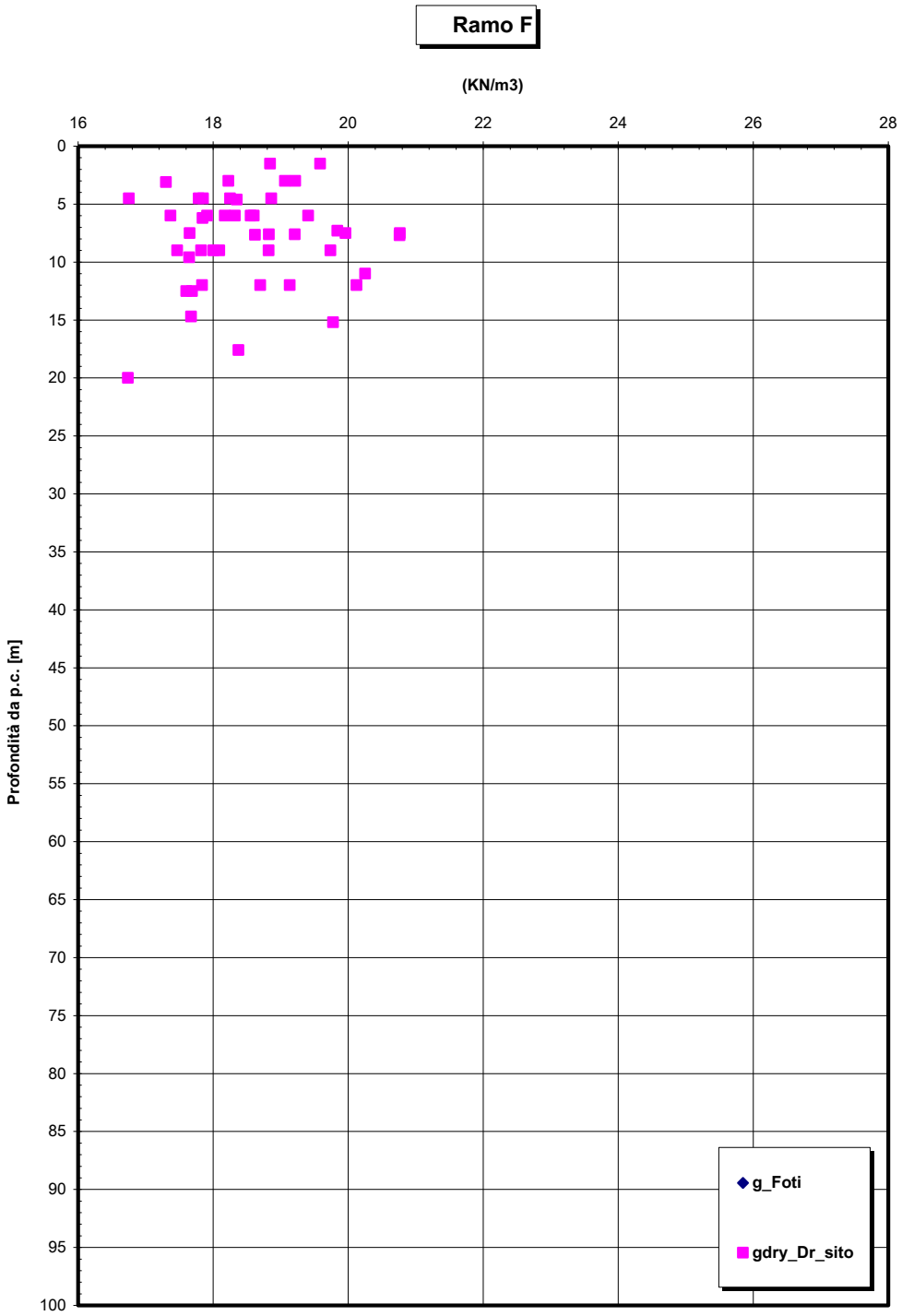
z(m)	G0(MPa)	E0(MPa)	E'(MPa)
0-10	100-250	240-600	32-80 / 80-200

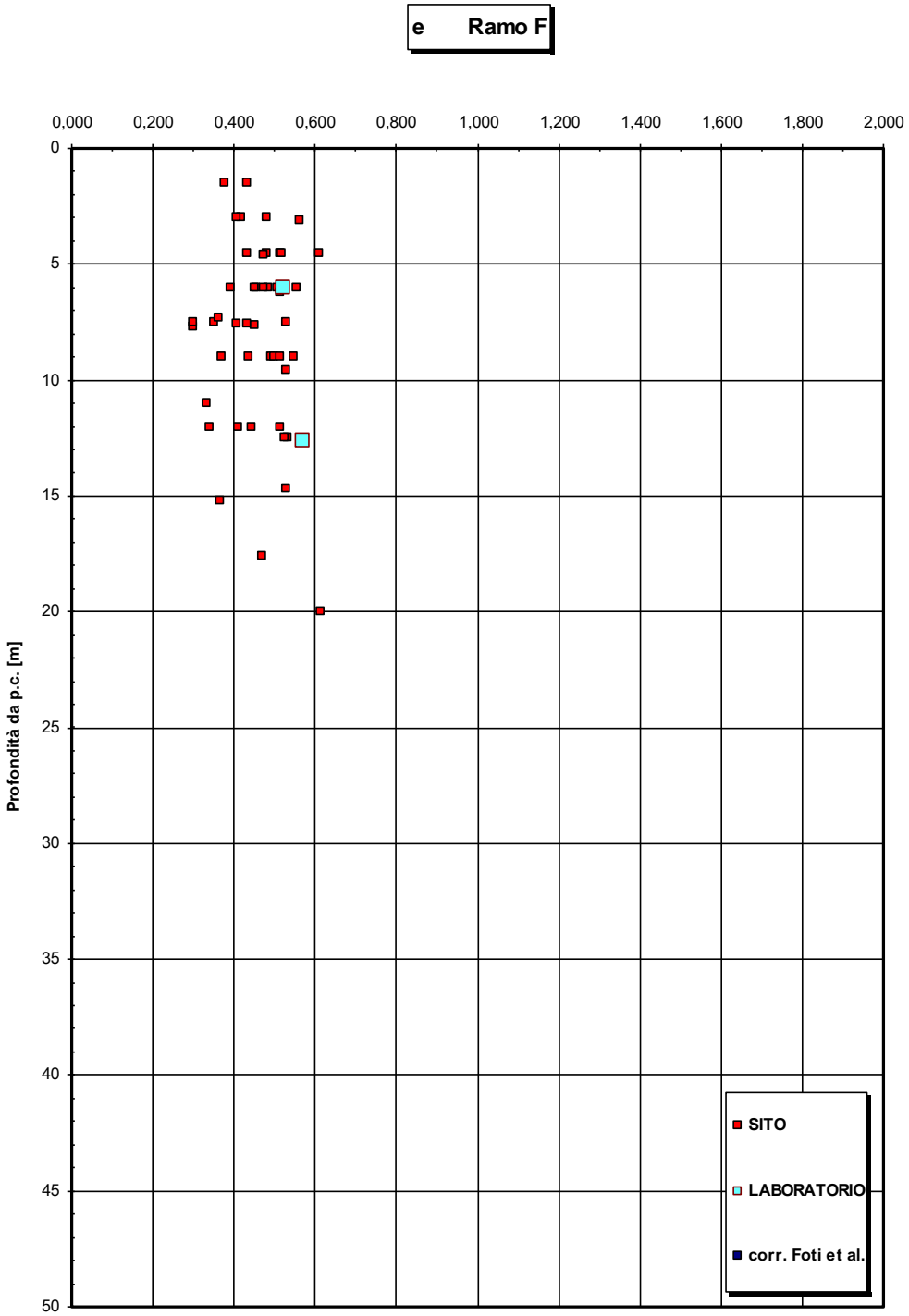
con i valori di E pari rispettivamente a circa 1/10 ÷ 1/5 ed 1/3 di quelli iniziali.

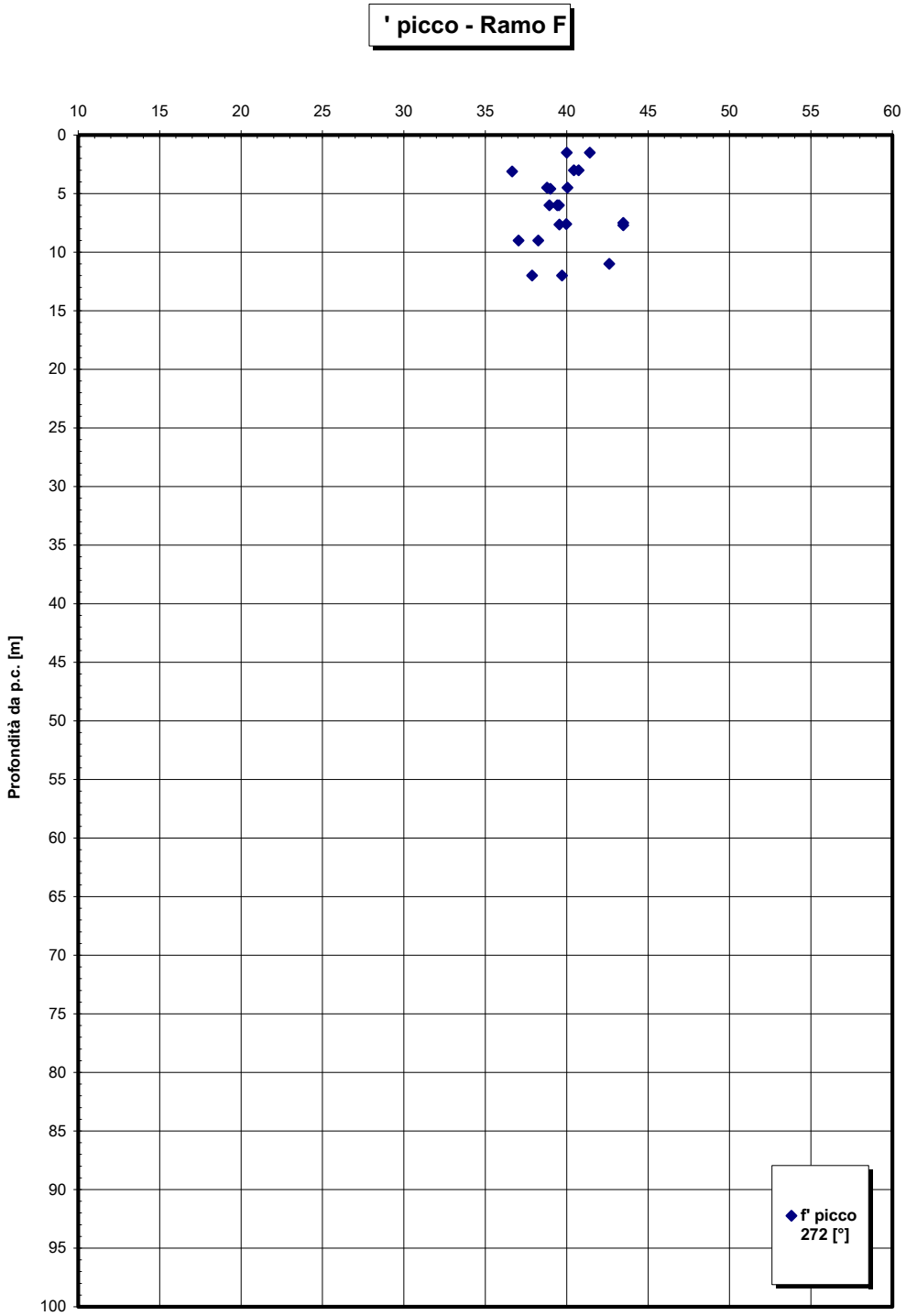
La prova pressiometrica (SN8) ha fornito un valore (primo carico) di E' di 120MPa a circa 18m di profondità.

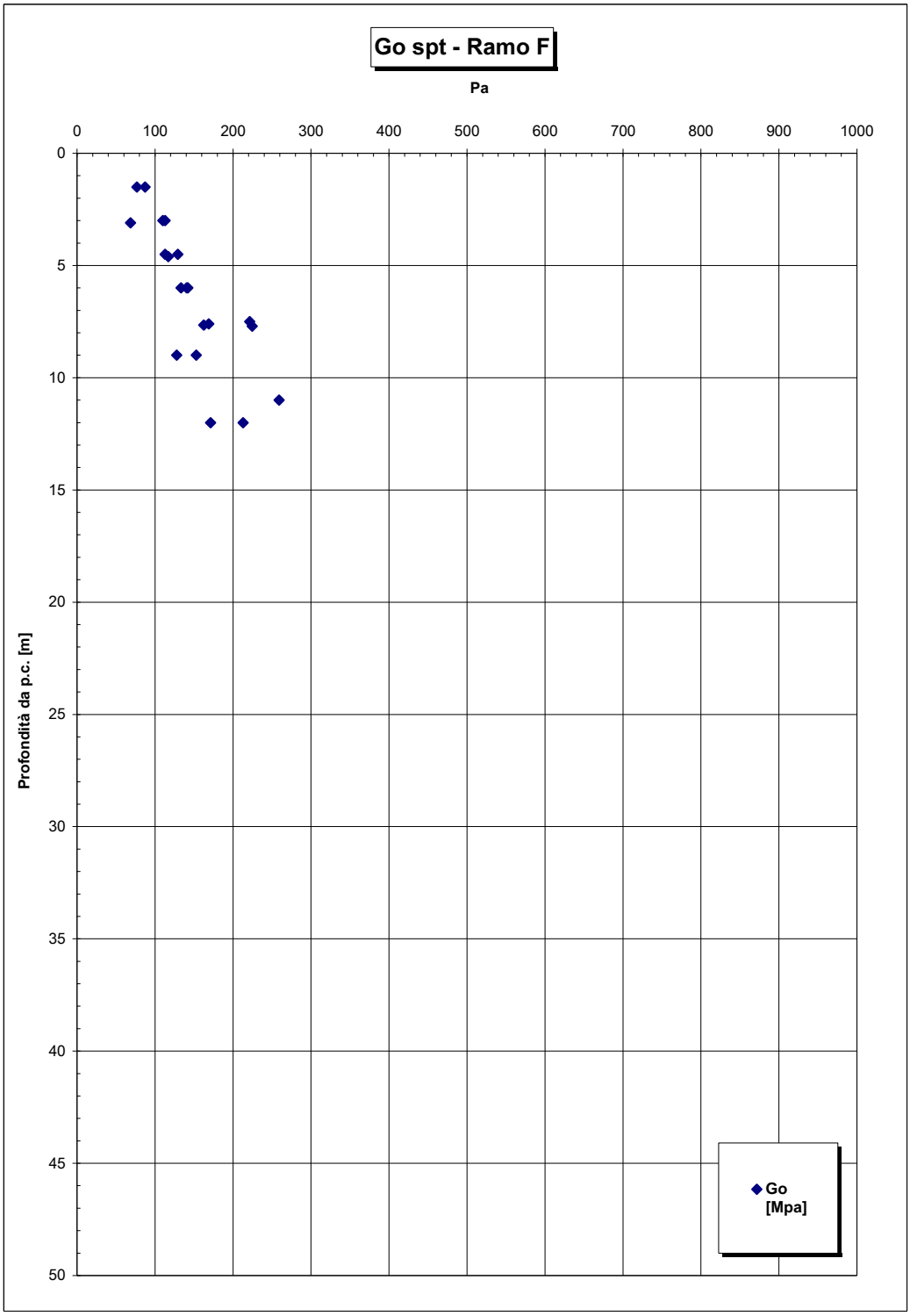


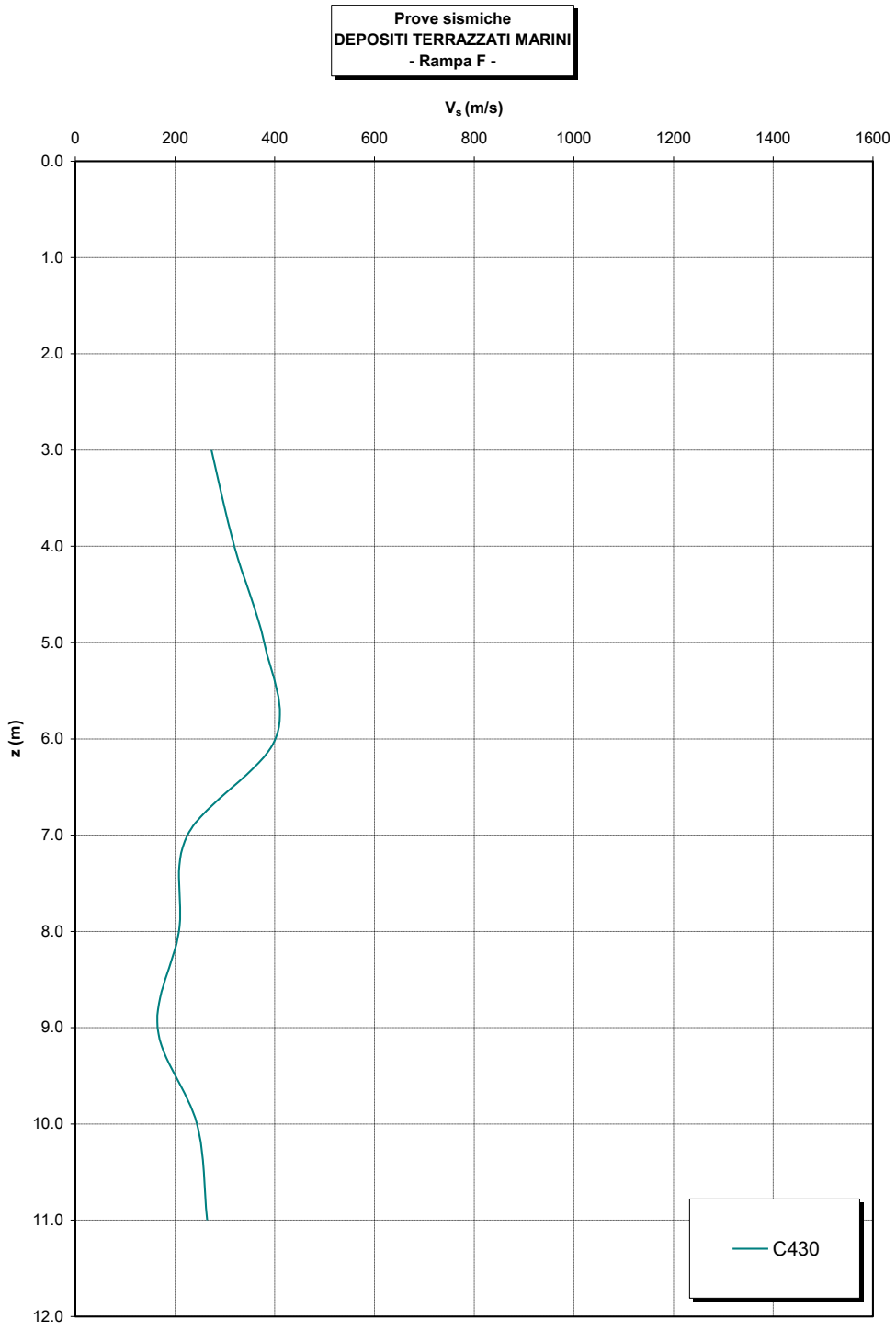

Dr Skempton (1986)
Componente sabbiosa prevalente
DEPOSITI TERRAZZATI MARINI
- Rampa F -
Dr
0,0
0,1
0,2
0,3
0,4
0,5
0,6
0,7
0,8
0,9
1,0
z (m)
0
5
10
15
20
25
C429
C430
C432
C434
C425
C428

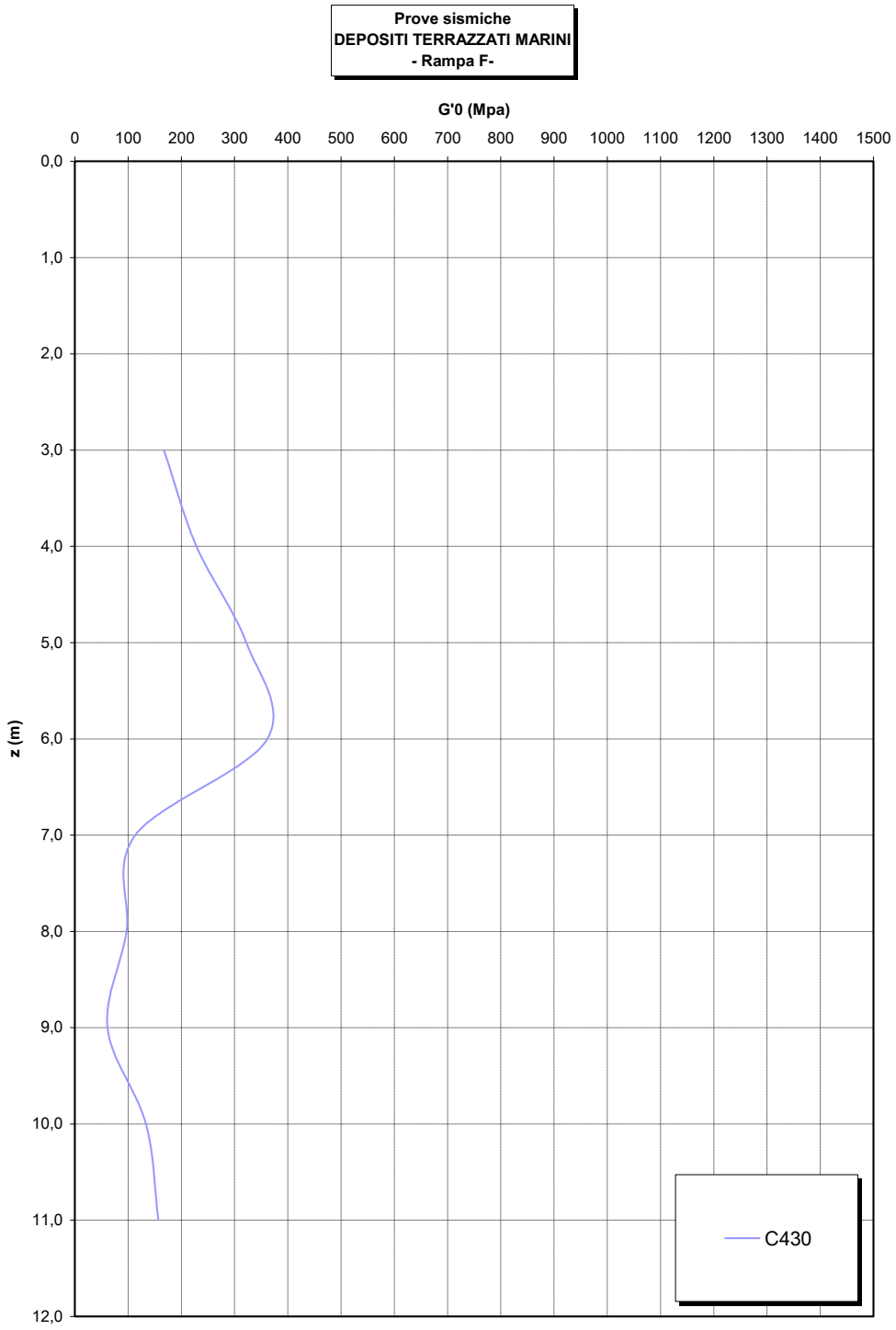

Ramo F
(KN/m3)
16
18
20
22
24
26
28
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
Profondità da p.c. [m]
g_Foti
gdry_Dr_sito


e Ramo F
0,000
0,200
0,400
0,600
0,800
1,000
1,200
1,400
1,600
1,800
2,000
0
5
10
15
20
25
30
35
40
45
50
Profondità da p.c. [m]
SITO
LABORATORIO
corr. Foti et al.


' picco - Ramo F
Profondità da p.c. [m]
f' picco
272 [°]


Go spt - Ramo F
Pa
0
100
200
300
400
500
600
700
800
900
1000
Profondità da p.c. [m]
0
5
10
15
20
25
30
35
40
45
50
Go
[Mpa]


Prove sismiche
DEPOSITI TERRAZZATI MARINI
- Rampa F -
Vs (m/s)
0
200
400
600
800
1000
1200
1400
1600
z (m)
0.0
1.0
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
10.0
11.0
12.0
C430


Prove sismiche
DEPOSITI TERRAZZATI MARINI
- Rampa F-
G'0 (Mpa)
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
z (m)
0,0
1,0
2,0
3,0
4,0
5,0
6,0
7,0
8,0
9,0
10,0
11,0
12,0
C430

Plutoniti

Per le caratteristiche fisiche dalle prove di laboratorio emerge un peso di volume ◘ di volume totale pari a 21KN/m$^{3.}$
Considerando il probabile disturbo dei campioni si assume un range pari a 21-23 KN/m^3

Per i parametri di resistenza al taglio in termini di sforzi efficaci il modello utilizzato per la determinazione dei parametri è un continuo equivalente.

L'interpretazione delle caratteristiche dell'ammasso parte dalla stima del parametro RMR'_{89} che è stato valutato sulla base di 15 rilievi geostrutturali effettuati sugli affioramenti.

Il parametro GSI è quindi mediamente pari a 35-40.

Gli inviluppi di rottura dell'ammasso roccioso sono stati determinati tenendo conto:

- ◘ del valore GSI di cui in precedenza;
- ◘ dei valori della resistenza alla compressione semplice ◘$_c$ determinata in laboratorio (30MPa) e del parametro m_i della roccia intatta pari a 33.

I risultati che si otterrebbero, per GSI = 40 sono riportati nella tabella, sia per le condizioni di resistenza di picco ("undisturbed rock mass") che per le condizioni di resistenza residua ("disturbed rock mass") per tensioni normali corrispondenti a profondità massime di circa 20m.

		Picco		Residuo	
copertura (m)	◘n(Mpa)	c' (MPa)	◘' (°)	c' (MPa)	◘' (°)
10.00	0.22	0.14	59	0.10	46
20.00	0.44	0.23	53	0.16	40
30.00	0.66	0.32	50	0.22	36
40.00	0.88	0.39	47	0.27	33
50.00	1.10	0.47	45	0.33	31
60.00	1.32	0.54	44	0.37	29
70.00	1.54	0.60	42	0.42	28
80.00	1.76	0.67	41	0.46	26
90.00	1.98	0.73	40	0.51	25
100.00	2.20	0.79	39	0.55	24

In contesti non caratterizzati da rotture pregresse o in atto e per analisi convenzionali in cui non venga simulato il decadimento della resistenza si potranno considerare come valori operativi quelli

rappresentati dai valori medi tra quelli "undisturbed" e "disturbed" oppure cautelativamente prossimi a quelli "disturbed".

In contesti caratterizzati da rotture pregresse o in atto e per analisi convenzionali potranno considerarsi come valori operativi quelli rappresentati dai valori "disturbed".

Per le zone tettonizzate o alterate si assume GSI=20 (classe IV-V RMR) e quindi si ottiene:

		Picco		Residuo	
copertura (m)	◘n(Mpa)	c' (MPa)	◘' (°)	c' (MPa)	◘' (°)
10.00	0.22	0.11	53	0.07	36
20.00	0.44	0.19	47	0.12	29
30.00	0.66	0.27	44	0.17	26
40.00	0.88	0.33	41	0.21	23
50.00	1.10	0.39	39	0.25	21
60.00	1.32	0.45	37	0.28	20
70.00	1.54	0.51	36	0.32	19
80.00	1.76	0.56	34	0.35	18
90.00	1.98	0.62	33	0.38	17
100.00	2.20	0.67	32	0.41	16

Su campioni rimaneggiati e prelevati nei sondaggi SG11, SG11bis, SG13 e SG13bis nei primi 30m, e quindi nella parte più alterata dell'ammasso, sono state effettuate prove di taglio diretto che forniscono per i parametri di resistenza c=0-20KPa e ◘'=32-40°.

Per le caratteristiche di deformabilità considerando la relazione di Serafim & Pereira, 1983 si ottiene:

E'=500 ÷ 700 Mpa rispettivamente per D=1e D=0.5 in ammassi di classe IV-V RMR (faglie)

E'=1000 ÷ 1500 Mpa rispettivamente per D=1 e D=0.5 in ammassi di classe III-IV RMR

In base alle prove sismiche in foro (SG11, SG11bis, CN451) si ottiene un range di valori, tra 5m e 40m di profondità di E_0 molto variabile mediamente pari a 1000 fino a 10m e a 2000 MPa tra 10m e 35m di profondità.

Dopo tale profondità la sismica Cn451 fornisce valori crescenti con E_0>4000 MPa.

Il modulo statico E' risulta pari a E'=500 ÷ 700 Mpa pari rispettivamente a circa 1/5 ÷ 1/3 di quello iniziale.

Le prove pressiometriche forniscono un range di valori, tra 15m e 35m di profondità di E' pari a 150-250MPa, mentre le prove dilatometriche un valore che si aggira intorno a 250-500MPa (1/5-1/10E_0).

Si ritiene quindi ragionevole assumere tale range di valori operativi:

E'=250 ÷ 500 Mpa in ammassi di classe IV-V RMR (faglie) e nei primi 10m di profondità

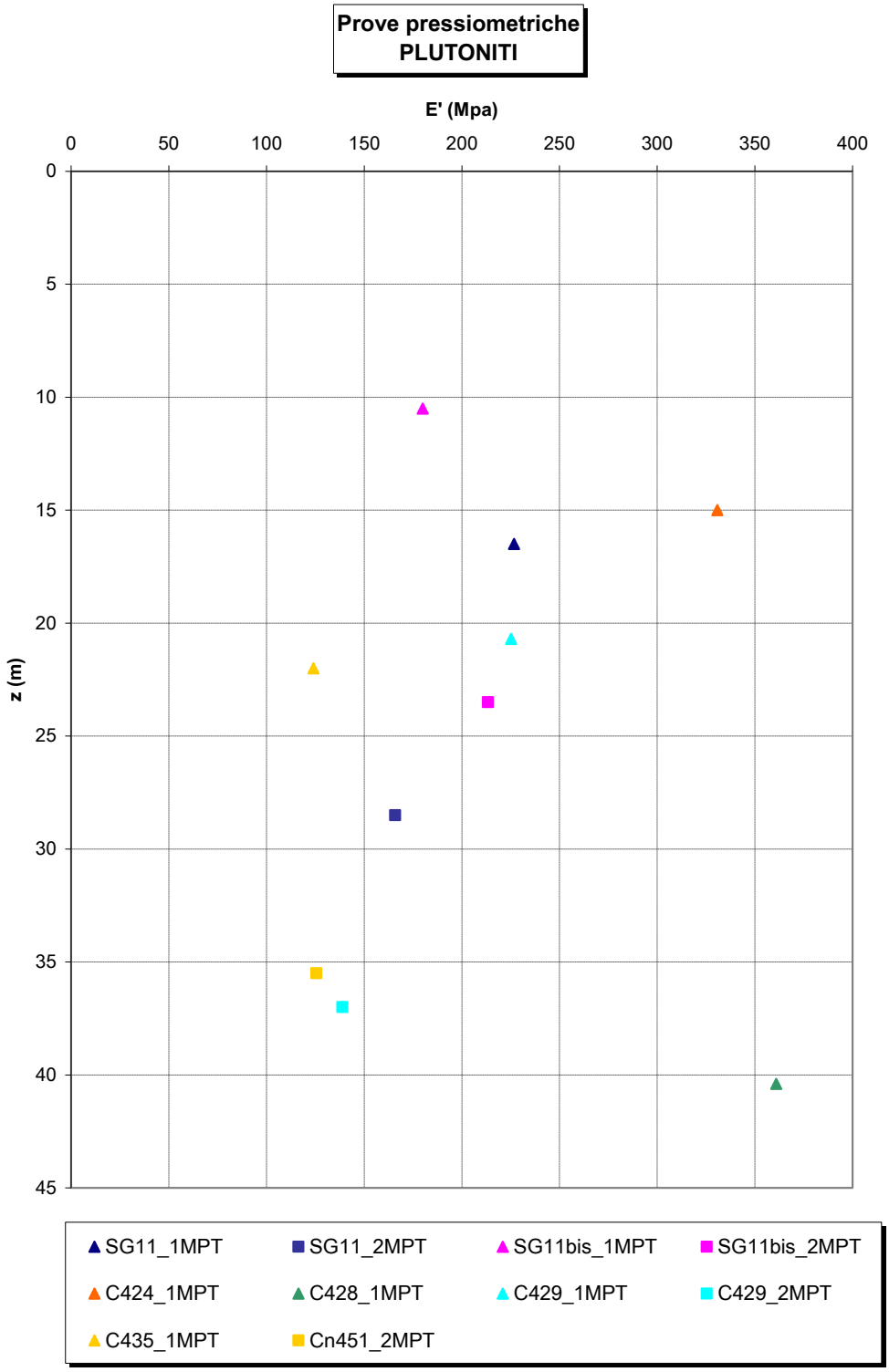
E'=500 ÷ 700 Mpa in ammassi di classe IV-V RMR (faglie) e nei primi 10-35m di profondità

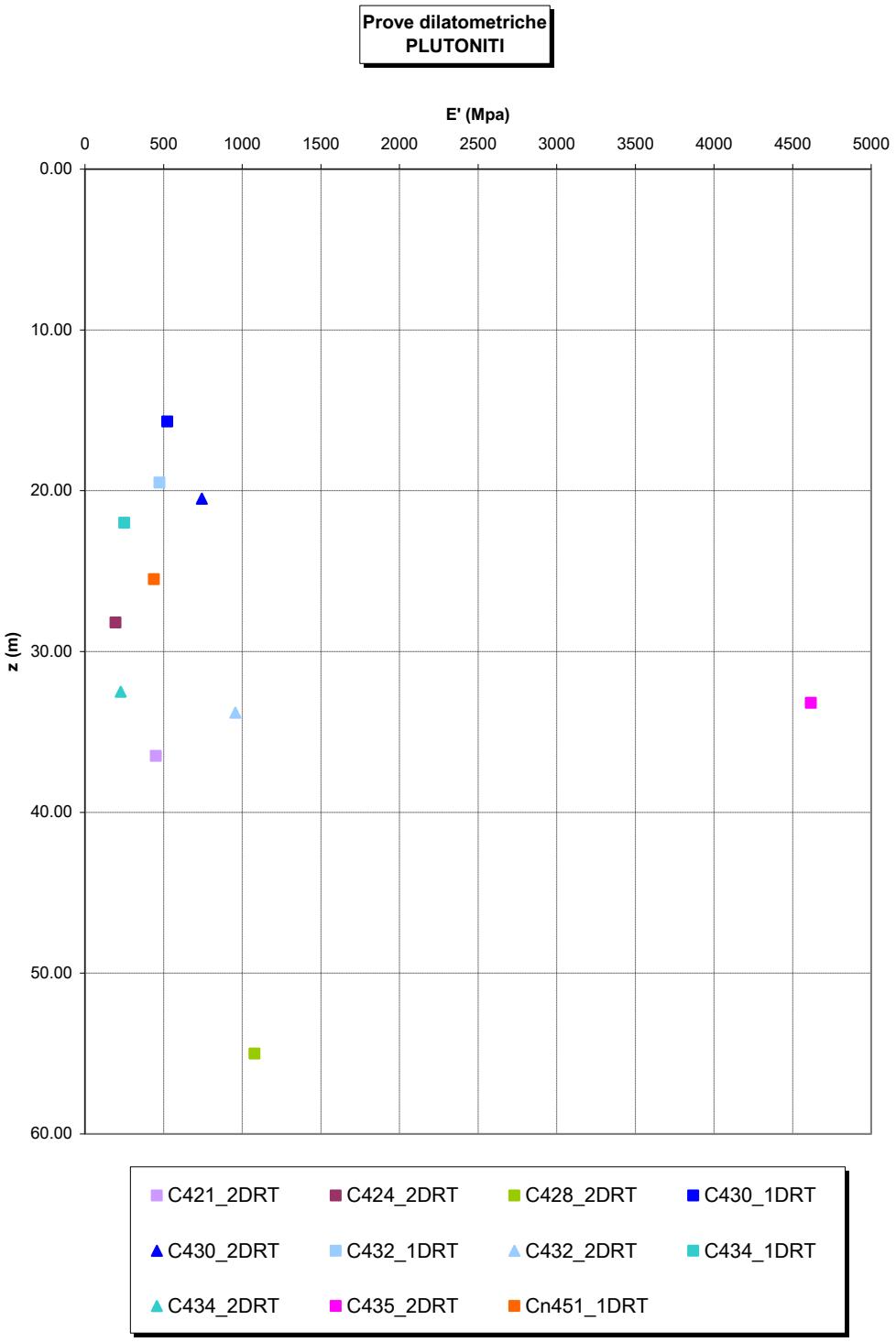
E'=1000 ÷ 1500 Mpa per profondità maggiori

Riepilogo caratteristiche fisiche plutoniti

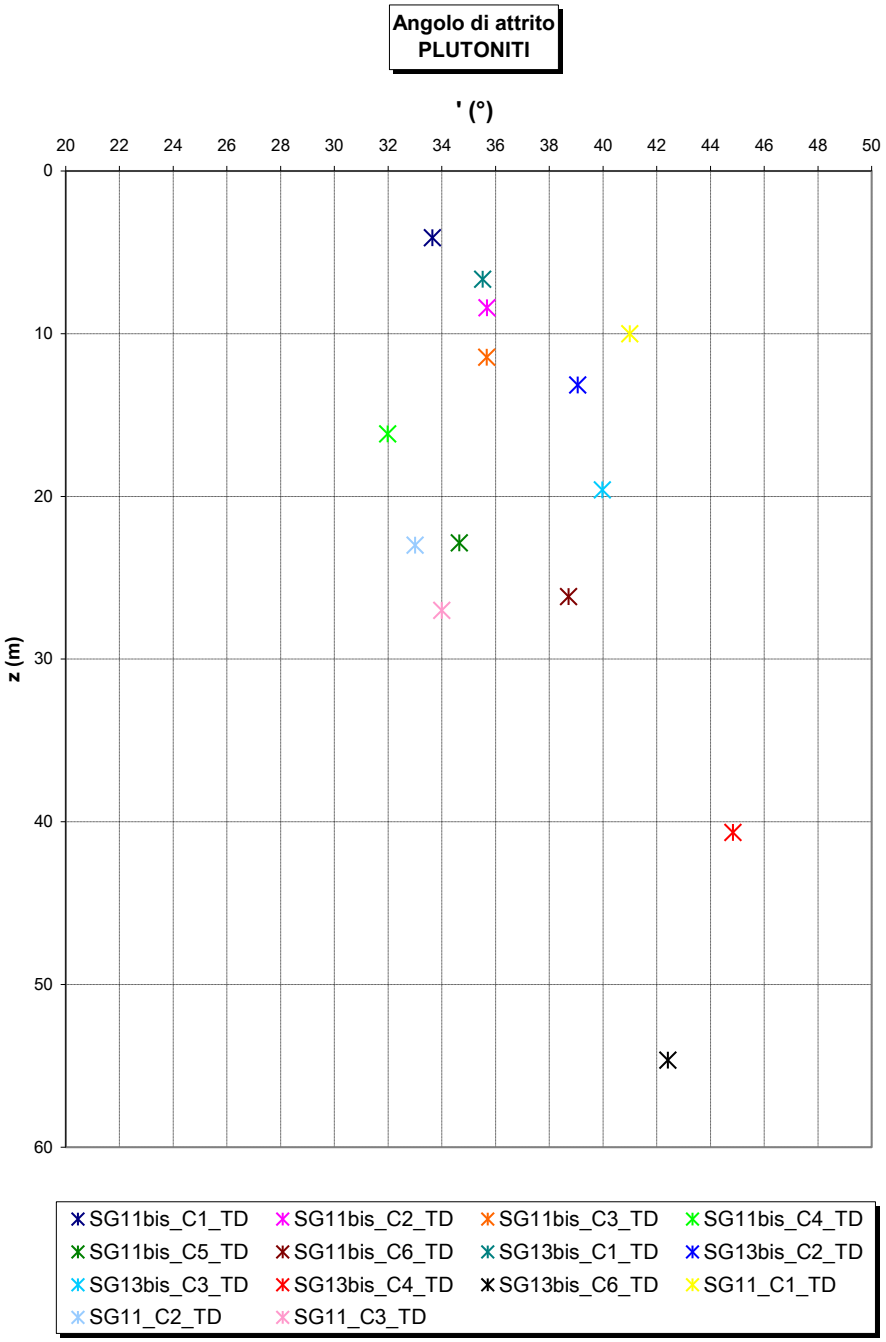
SONDAGGIO	N° PROVINO	OPERA	z (m)	(kN/m^3)	d (kN/m^3)	s (kN/m^3)
SG11bis	C1	Rampa A 2+100-2+370 / Rampa C 1+200-3+300 / Rampa G	4.1	19.91	18.0	25.80
SG11bis	C2	Rampa A 2+100-2+370 / Rampa C 1+200-3+300 / Rampa G	8.4	18.85	15.2	25.90
SG11bis	C3	Rampa A 2+100-2+370 / Rampa C 1+200-3+300 / Rampa G	11.45	18.55	17.0	26.10
SG11bis	C4	Rampa A 2+100-2+370 / Rampa C 1+200-3+300 / Rampa G	16.15	20.01	17.3	26.10
SG11bis	C5	Rampa A 2+100-2+370 / Rampa C 1+200-3+300 / Rampa G	22.8	19.52	17.9	25.40
SG11bis	C6	Rampa A 2+100-2+370 / Rampa C 1+200-3+300 / Rampa G	26.15	20.01	17.6	26.70
SG13bis	C1	Galleria Rampa C / Galleria Rampa D / ferrovia	6.65	19.81	17.1	26.70
SG13bis	C2	Galleria Rampa C / Galleria Rampa D / ferrovia	13.15	19.02	16.8	25.30
SG13bis	C3	Galleria Rampa C / Galleria Rampa D / ferrovia	19.60	18.8	17.3	26.30
SG13bis	C4	Galleria Rampa C / Galleria Rampa D / ferrovia	40.65	20.40	18.7	25.50
SG13bis	C6	Galleria Rampa C / Galleria Rampa D / ferrovia	54.65	20.97	17.9	25.80
Cn451	CR1	Rampa C 1+200-3+300 / Rampa F / Rampa V	31.60			26.67
Cn451	CR2	Rampa C 1+200-3+300 / Rampa F / Rampa V	34.60			26.87
Cn451	CR3	Rampa C 1+200-3+300 / Rampa F / Rampa V	37.35			26.74
C421	CR3	Galleria Rampa A	31.8			26.50
C421	CR4	Galleria Rampa A	35.2			27.18
C421	CR5	Galleria Rampa A	38.80			27.21
C425	CR2	Rampa C 1+200-3+300 / Rampa U / Rampa V / Rampa F/ Rampa G	19.2			26.84
C425	SPT10	Rampa C 1+200-3+300 / Rampa U / Rampa V / Rampa F/ Rampa G	21			26.39
C425	CR3	Rampa C 1+200-3+300 / Rampa U / Rampa V / Rampa F/ Rampa G	22.5			26.84
C425	SPT11	Rampa C 1+200-3+300 / Rampa U / Rampa V / Rampa F/ Rampa G	24			26.58
C429	CR2	Rampa C 1+200-3+300 / Rampa F / Rampa V	23.8			27.19
C429	CR3	Rampa C 1+200-3+300 / Rampa F / Rampa V	28.9			26.92
C432	CR2	Rampa C 1+200-3+300 / Rampa F / Rampa V	25.8			26.41
C432	SL01	Rampa C 1+200-3+300 / Rampa F / Rampa V	18.8			27.21
C435	CR1	Rampa C 1+200-3+300 / Rampa F / Rampa A_acc	20.5			26.86
C435	CR2	Rampa C 1+200-3+300 / Rampa F / Rampa A_acc	25.7			26.83
C435	CR3	Rampa C 1+200-3+300 / Rampa F / Rampa A_acc	32.3			26.77
C435	CR4	Rampa C 1+200-3+300 / Rampa F / Rampa A_acc	39.9			26.39
C427	CR03	Rampa C 1+200-3+300 / Rampa U / Rampa V / Rampa F	23.4			26.79
C427	CR04	Rampa C 1+200-3+300 / Rampa U / Rampa V / Rampa F	31.3			26.61
C427	CR05	Rampa C 1+200-3+300 / Rampa U / Rampa V / Rampa F	38.5			26.13
C421	SL01	Galleria Rampa A	13.6			26.78
C421	SL02	Galleria Rampa A	22.9			27.06
C427	SL01	Rampa C 1+200-3+300 / Rampa U / Rampa V / Rampa F	31.8			27.05
C428	CI1	Rampa C 1+200-3+300 / Rampa U / Rampa V / Rampa F	14.08			26.76
C428	CR1	Rampa C 1+200-3+300 / Rampa U / Rampa V / Rampa F	17.42			26.45
C428	SPT7	Rampa C 1+200-3+300 / Rampa U / Rampa V / Rampa F	21			27.13
C428	CR2	Rampa C 1+200-3+300 / Rampa U / Rampa V / Rampa F	21.74			27.20
C428	CR03	Rampa C 1+200-3+300 / Rampa U / Rampa V / Rampa F	24.4			27.75
C428	CR4	Rampa C 1+200-3+300 / Rampa U / Rampa V / Rampa F	33.9			26.92
C428	CR6	Rampa C 1+200-3+300 / Rampa U / Rampa V / Rampa F	38.55			26.66
C434	SPT8	Rampa C 1+200-3+300 / Rampa F / Rampa A_acc	15			26.37
C434	SPT9	Rampa C 1+200-3+300 / Rampa F / Rampa A_acc	18			26.54

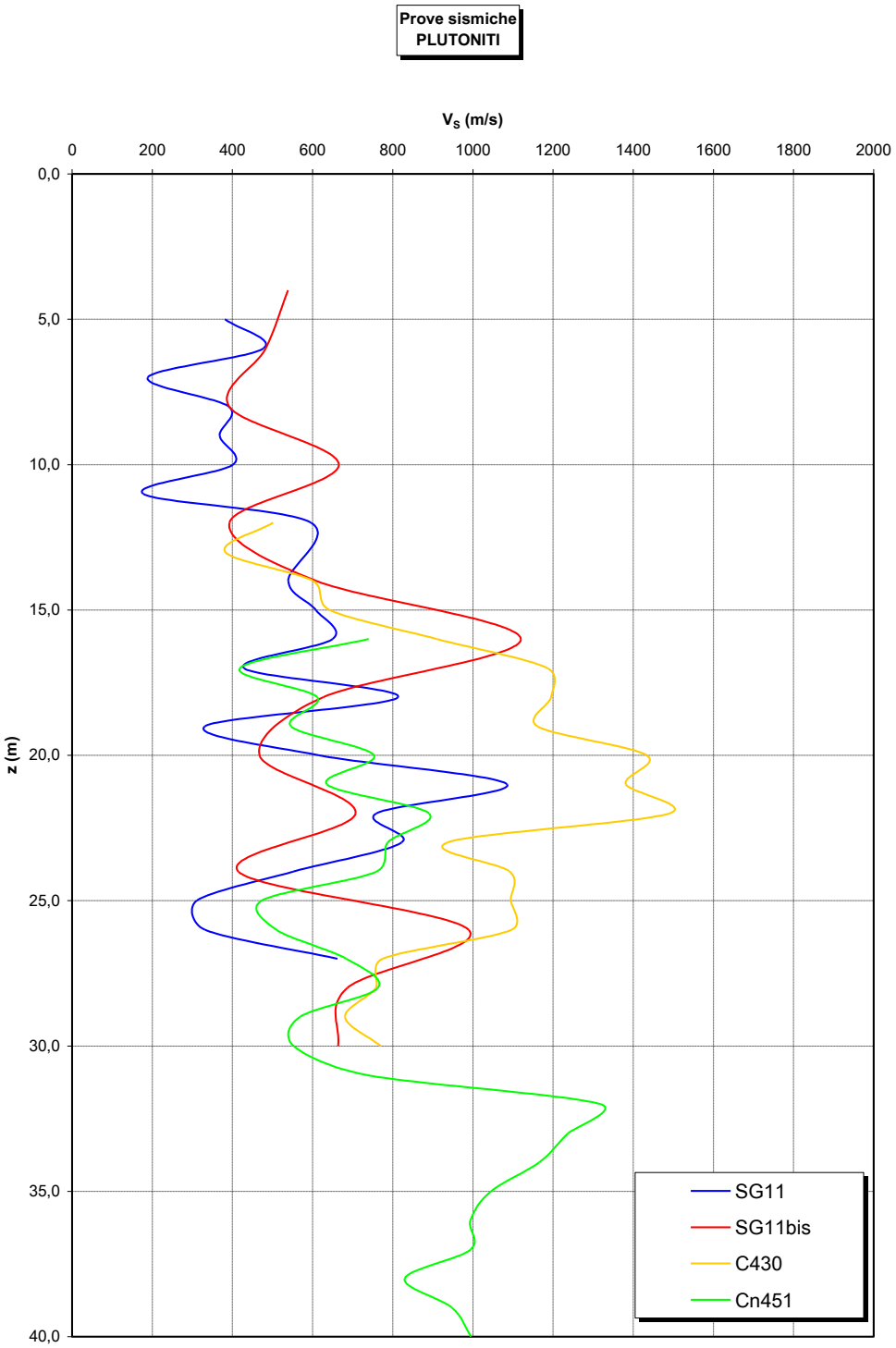
SONDAGGIO	N° PROVINO	OPERA	z (m)	(kN/m^3)	d (KN/m^3)
SG11	C1/riman	Rampa C 1+200-3+300	10.00	20.23	18.83
SG11	C2/ind	Rampa C 1+200-3+300	23.00	21.82	20.83
SG11	C3/ind	Rampa C 1+200-3+300	27.00	20.20	20.63
Cn451	CR1	Rampa C 1+200-3+300 / Rampa V / Ramo C_dec	31.60		26.67
Cn451	CR2	Rampa C 1+200-3+300 / Rampa V / Ramo C_dec	34.60		26.87
Cn451	CR3	Rampa C 1+200-3+300 / Rampa V / Ramo C_dec	37.35		26.74
C421quater	SL01	ferrovia	83.90		27.13
C421quater	CR1	ferrovia	60.50		27.26
C421quater	CR2	ferrovia	68.20		27.11
C421quater	CR3	ferrovia	85.00		27.02
C421quater	CR4	ferrovia	93.30		26.83
C433	SL01	Rampa C 1+200-3+300 / Ramo A_acc / Rampa F	35.60		26.70
C433	SL01	Rampa C 1+200-3+300 / Ramo A_acc / Rampa F	37.40		26.68

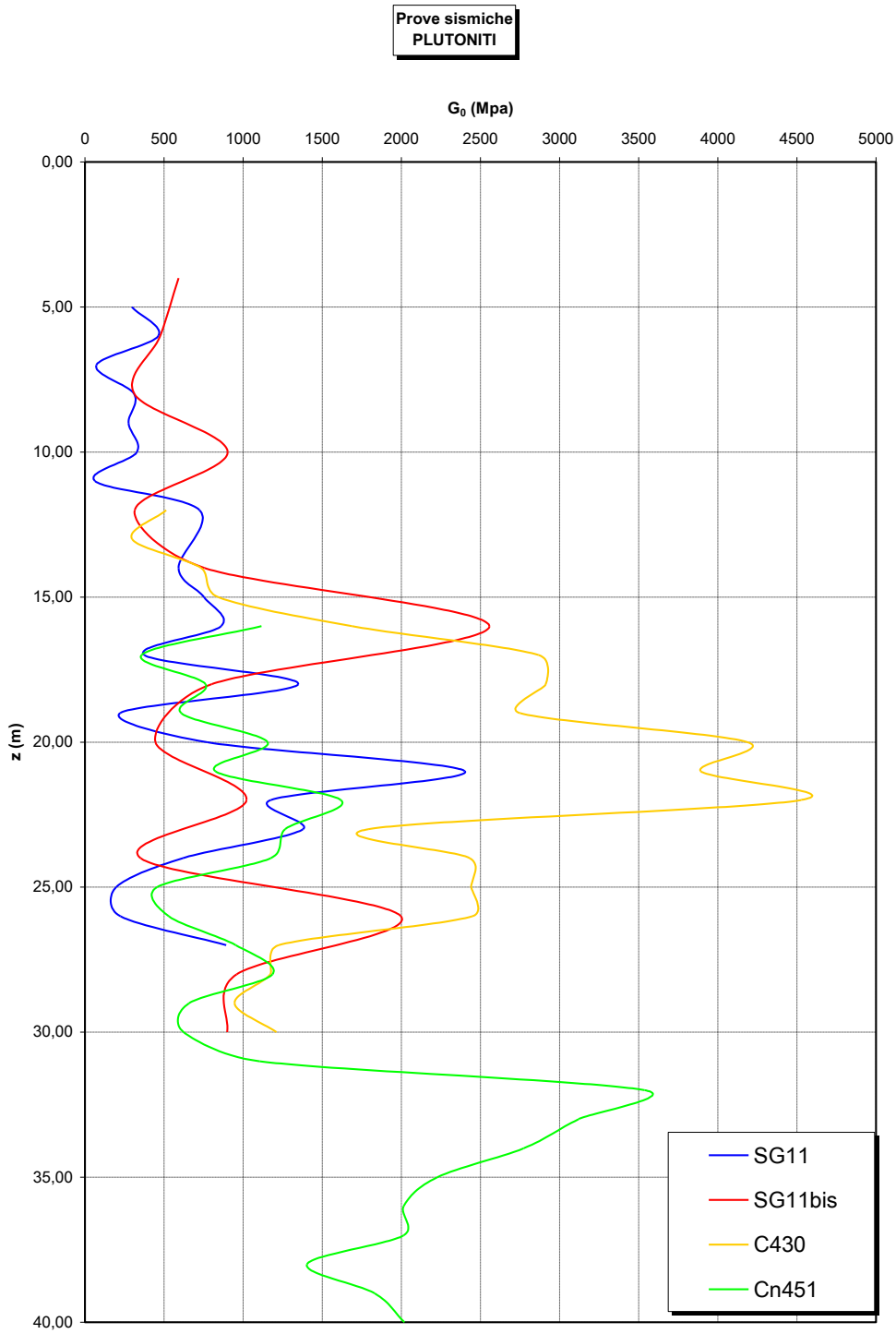

Prove pressiometriche
PLUTONITI
E' (Mpa)
0
50
100
150
200
250
300
350
400
z (m)
0
5
10
15
20
25
30
35
40
45
SG11_1MPT
SG11_2MPT
SG11bis_1MPT
SG11bis_2MPT
C424_1MPT
C428_1MPT
C429_1MPT
C429_2MPT
C435_1MPT
Cn451_2MPT

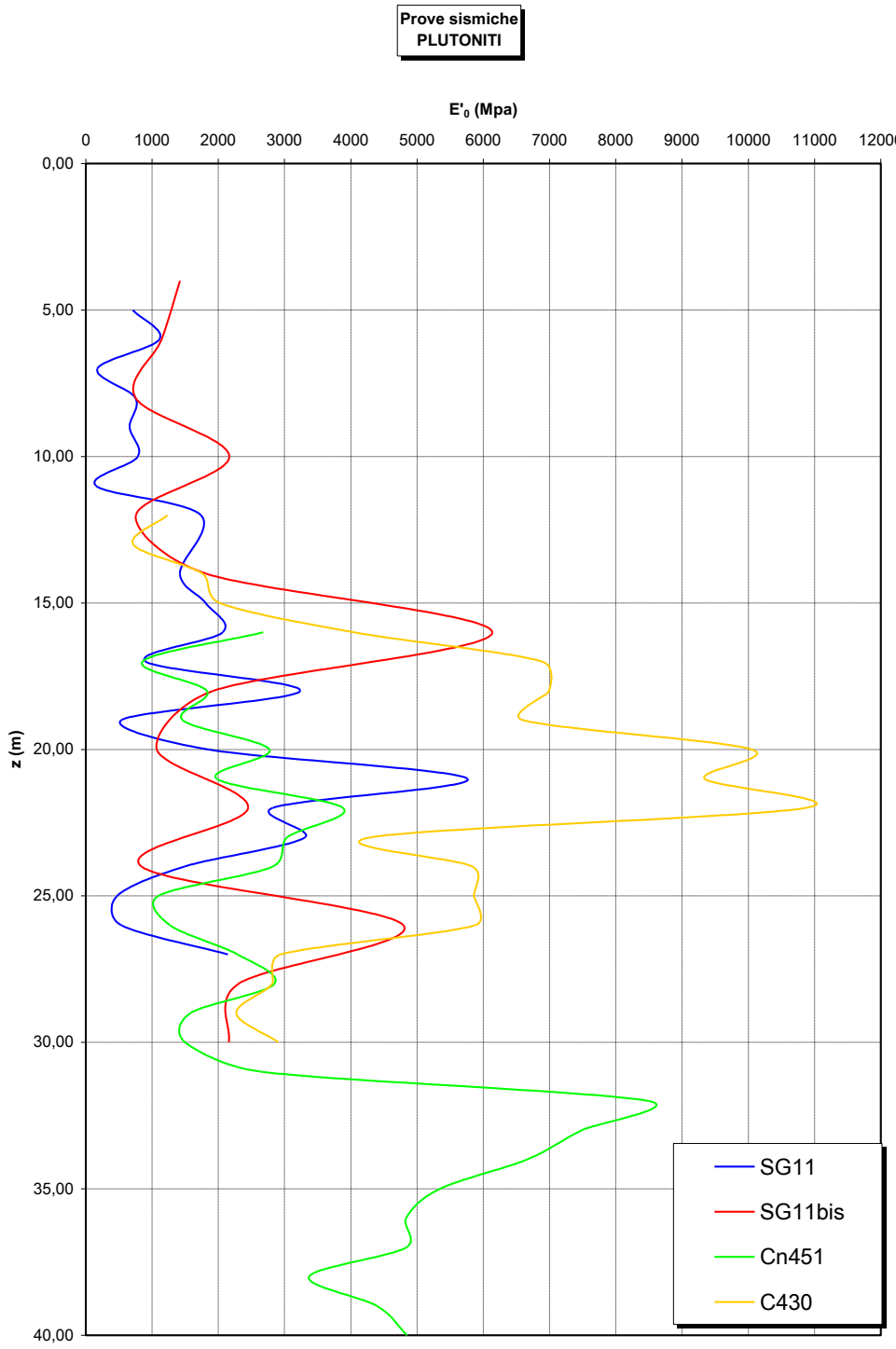

Prove dilatometriche
PLUTONITI
E' (Mpa)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
z (m)
0.00
10.00
20.00
30.00
40.00
50.00
60.00
C421_2DRT
C424_2DRT
C428_2DRT
C430_1DRT
C430_2DRT
C432_1DRT
C432_2DRT
C434_1DRT
C434_2DRT
C435_2DRT
Cn451_1DRT

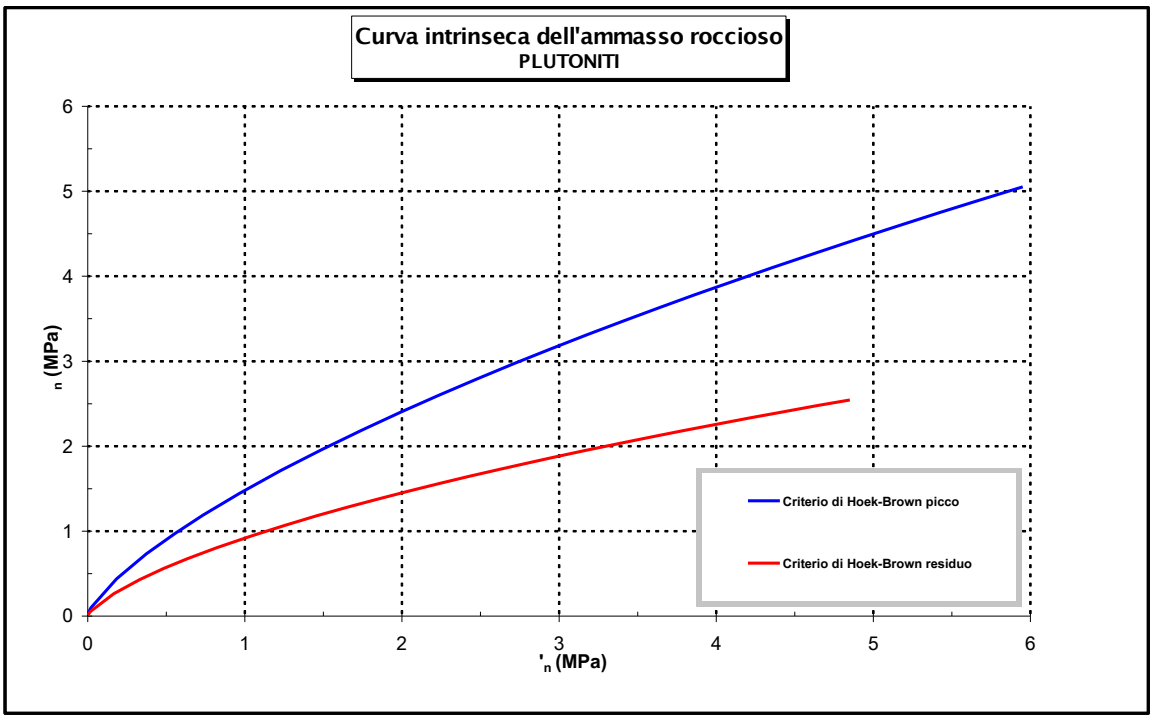
SONDAGGIO	N° PROVINO	z (m)	Opera	PROVA	c' [kPa]	ϕ' [°]
SG11	C1/riman	10.0	Rampa C 1+200-3+300	TD	16.3	41
SG11	C2/ind	23.0	Rampa C 1+200-3+300	TD	11.6	33
SG11	C3/ind	27.0	Rampa C 1+200-3+300	TD	18.3	34
SG11bis	C1	4.1	Rampa A 2+100-2+370 / Rampa C 1+200-3+300 / Rampa G	TD	21	34
SG11bis	C2	8.4	Rampa A 2+100-2+370 / Rampa C 1+200-3+300 / Rampa G	TD	9	36
SG11bis	C3	11.5	Rampa A 2+100-2+370 / Rampa C 1+200-3+300 / Rampa G	TD	8	36
SG11bis	C4	16.2	Rampa A 2+100-2+370 / Rampa C 1+200-3+300 / Rampa G	TD	15	32
SG11bis	C5	22.9	Rampa A 2+100-2+370 / Rampa C 1+200-3+300 / Rampa G	TD	0	35
SG11bis	C6	26.2	Rampa A 2+100-2+370 / Rampa C 1+200-3+300 / Rampa G	TD	11	39
SG13bis	C1	6.7	Galleria Rampa C / Galleria Rampa D / ferrovia	TD	1	36
SG13bis	C2	13.2	Galleria Rampa C / Galleria Rampa D / ferrovia	TD	5	39
SG13bis	C3	19.6	Galleria Rampa C / Galleria Rampa D / ferrovia	TD	0	40
SG13bis	C4	40.7	Galleria Rampa C / Galleria Rampa D / ferrovia	TD	32	45
SG13bis	C6	54.7	Galleria Rampa C / Galleria Rampa D / ferrovia	TD	19	42

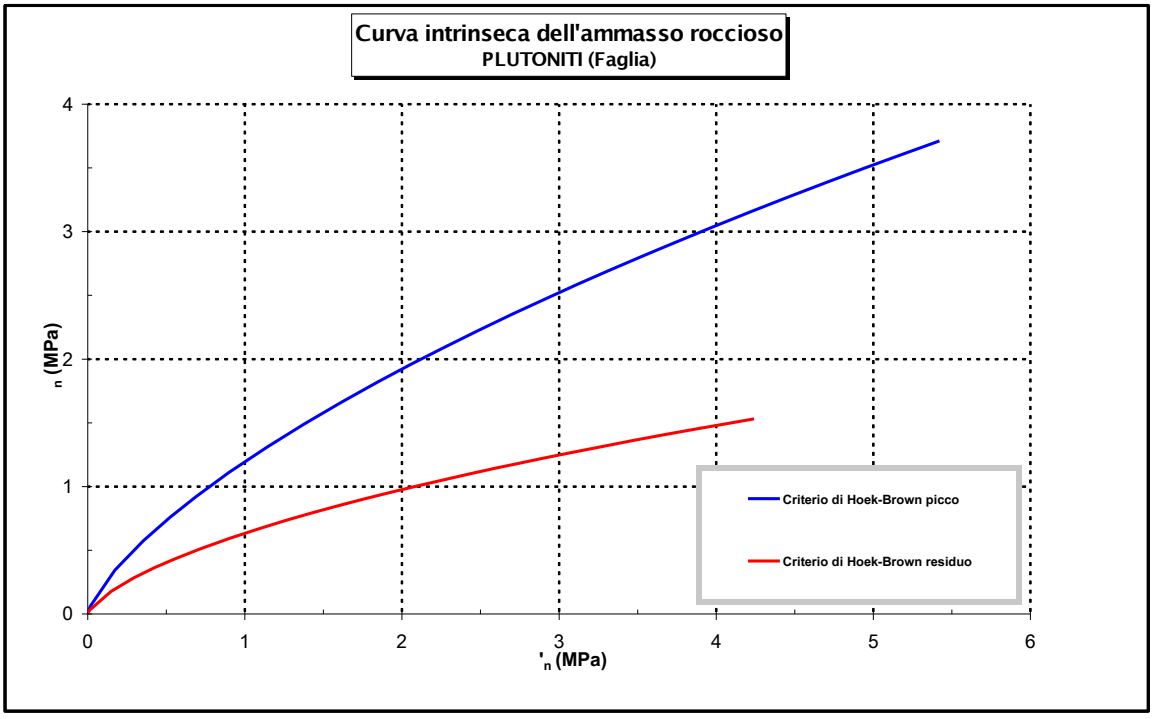

Angolo di attrito
PLUTONITI
' (°)
20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50
z (m)
0 10 20 30 40 50 60
SG11bis_C1_TD
SG11bis_C2_TD
SG11bis_C3_TD
SG11bis_C4_TD
SG11bis_C5_TD
SG11bis_C6_TD
SG13bis_C1_TD
SG13bis_C2_TD
SG13bis_C3_TD
SG13bis_C4_TD
SG13bis_C6_TD
SG11_C1_TD
SG11_C2_TD
SG11_C3_TD


Prove sismiche
PLUTONITI
Vs (m/s)
0
200
400
600
800
1000
1200
1400
1600
1800
2000
z (m)
0,0
5,0
10,0
15,0
20,0
25,0
30,0
35,0
40,0
SG11
SG11bis
C430
Cn451


Prove sismiche
PLUTONITI
G0 (Mpa)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
z (m)
0,00
5,00
10,00
15,00
20,00
25,00
30,00
35,00
40,00
SG11
SG11bis
C430
Cn451


Prove sismiche
PLUTONITI
E'0 (Mpa)
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
11000
12000
z (m)
0,00
5,00
10,00
15,00
20,00
25,00
30,00
35,00
40,00
SG11
SG11bis
Cn451
C430


Curva intrinseca dell'ammasso roccioso
PLUTONITI
n (MPa)
'n (MPa)
0
1
2
3
4
5
6
Criterio di Hoek-Brown picco
Criterio di Hoek-Brown residuo


Curva intrinseca dell'ammasso roccioso
PLUTONITI (Faglia)
n (MPa)
'n (MPa)
0
1
2
3
4
5
6
Criterio di Hoek-Brown picco
Criterio di Hoek-Brown residuo

Per il dimensionamento geotecnico (verifiche di portata della fondazione) del prolungamento del tombino scatolare, dei pozzetti di caduta e dei nuovi imbocchi sono state utilizzate le seguenti caratteristiche dei "*Depositi terrazzati marini*":

- peso specifico = 20 kN/m^3;
- angolo di attrito = 38°.

Per le sollecitazioni derivanti dal terreno da rilevato, in virtù delle caratteristiche granulometriche del materiale costituente il corpo del rilevato (terre appartenenti ai gruppi A1-a, A1-b, A2-4, A2-5 e A3 - UNI 10006/2002), delle sue modalità di posa per strati di 30 cm in condizioni ottimali di umidità (wopt - 2,0% < w < wopt +2,0%, con wopt da AASHTO modif.) e di compattazione (grado di costipamento > 92% secondo AASHTO modif.) si sono utilizzati i seguenti parametri di progetto:

- peso specifico = 20 kN/m^3;
- angolo di attrito = 38°.

5.2.1 DETERMINAZIONE DEL VALORE DELLA COSTANTE DI SOTTOFONDO

L'interazione terreno-struttura è stata considerata schematizzando il terreno come un mezzo alla Winkler assimilandolo ad un letto di molle elastiche mutuamente indipendenti.

Con tale analisi si viene a concentrare l'attenzione esclusivamente sul terreno di fondazione, trascurando la rigidezza della fondazione e della struttura in elevazione, le quali vengono ad essere schematizzate attraverso la distribuzione di carichi noti applicati sulla superficie di imposta.

Nel presente paragrafo si stima la costante di sottofondo da utilizzare successivamente nei calcoli strutturali per simulare la risposta elastica del terreno alle sollecitazioni dovute ai carichi.

Il coefficiente di reazione del terreno è, per definizione, il rapporto fra carico e cedimento. Il cedimento dipende oltre che dai valori del carico e dalle proprietà del terreno, anche dalla forma e dalle dimensioni della fondazione. Il coefficiente di reazione del terreno K_s [kN/m^3] è calcolato come rapporto tra il carico unitario medio p [kPa] e il cedimento totale S_t [m] della fondazione in progetto, opportunamente valutato.

$$K_s \quad \frac{p}{S_t}$$

Rimanendo nel campo delle piccole deformazioni, il cedimento S_t di una fondazione è diviso in tre componenti: il cedimento istantaneo S_i, il cedimento per consolidazione S_c (primario) e il cedimento viscoso (secondario); in genere, le due componenti lente del cedimento vengono assimilate.

Nella deformazione immediata si può distinguere una componente elastica reversibile da una componente irreversibile sempre più importante al diffondersi delle zone dove risulta superata la resistenza tangenziale del terreno.

Nella deformazione lenta occorre distinguere i terreni coesivi per i quali il cedimento lento è maggiore (normalmente consolidati) o dell'ordine di grandezza di quello istantaneo (sovraconsolidati).

Con terreni non coesivi non esistono sostanzialmente deformazioni lente tranne per terreni a contenuto organico per i quali la deformazione presenta una forte caratteristica viscosa. In maniera semplificata, per i terreni non coesivi si è considerato il cedimento istantaneo coincidente con la sola componente elastica, trascurando quella plastica.

Considerando quindi il terreno come un mezzo elastico, si è fatto ricorso alla teoria del semispazio elastico omogeneo ed isotropo, definendo in ogni punto del sottosuolo e per il previsto schema di carico e con valore costante sull'impronta di fondazione, i valori delle corrispondenti tensioni indotte.

Il cedimento di un punto della superficie è calcolato integrando la deformazione verticale $\square_z$ con:

$$z \quad \frac{1}{E'} \quad {}_z \quad {}_x \quad {}_y$$

dove $\square$ è il rapporto di Poisson.

L'integrazione è estesa alla cosiddetta "zona attiva" di profondità Hc.

In pratica, è stato suddiviso il terreno al di sotto della fondazione in strati di spessore $\square$zi, valutando il cedimento dello strato i-esimo; il cedimento complessivo è la somma dei cedimenti dei singoli strati.

L'analisi è estesa alla profondità corrispondente al valore del rapporto $\square\square/\square\square 0$ pari al 10%.

Nel caso di un'area circolare di raggio R risulta:

$$S \quad p \quad R \quad \frac{I}{E'}$$

Nel caso di un'area di carico rettangolare di lato minore pari a B risulta:

$$S \quad p \quad B \quad 1 \quad {}^{2} \quad \frac{I}{E'}$$

Il coefficiente I è un "coefficiente di influenza" che dipende dall'estensione della zona attiva, dal rapporto di Poisson e dal punto considerato.

I coefficienti di influenza sono tabulati da diversi autori per diverse geometrie di carico (Terzaghi, 1943; Milovic&Tournier, 1971; Tsytovich, 1976). Si veda: Poulos&Davis, 1974, *Elastic Solutions for Soil and Rock Mechanics*; Lancellotta, 1993, *Geotecnica*).

Il calcolo dei cedimenti per terreni coesivi è stato calcolato in modo empirico sulla base di dati di letteratura.

Denotando con S_{ed} il cedimento edometrico, si è assunto:

- per terreni coesivi normalmente consolidati (Simons&Sons, 1970; Lancellotta, 1993):

$$S_i \quad 0.1 \quad S_{ed} \qquad S_c \quad S_{ed}$$

- per terreni coesivi sovraconsolidati (Burland, 1977; Lancellotta, 1993):

$$S_i \quad 0.6 \quad S_{ed} \qquad S_c \quad 0.4 \quad S_{ed}$$

Dimensioni della fondazione e spessore dello strato comprimibile

B [m]	L [m]	D_f [m]	σ'_{vo} [kPa]	q' [kPa]	$\Delta q'$ [kPa]	Hc [m]
2.60	*14.00*	*2.00*	*42.00*	*154*	*112*	*13.00*

Tensioni indotte

strato [-]	Δz [m]	z_i [m]	M [-]	N [-]	V [-]	V1 [-]	$\Delta\Delta_{zi}$ [-]	$\Delta\Delta_{zi}$ [kPa]
a	*0.50*	*2.25*	*5.200*	*28.000*	*812.040*	*21199*	*1.00*	*111.7*
b	*0.50*	*2.75*	*1.733*	*9.333*	*91.116*	*261.7*	*0.94*	*105.5*
c	*0.50*	*3.25*	*1.040*	*5.600*	*33.442*	*33.92*	*0.83*	*93.0*
d	*1.00*	*4.00*	*0.650*	*3.500*	*13.673*	*5.176*	*0.66*	*73.5*
e	*1.00*	*5.00*	*0.433*	*2.333*	*6.632*	*1.022*	*0.49*	*54.6*
f	*1.00*	*6.00*	*0.325*	*1.750*	*4.168*	*0.323*	*0.38*	*42.2*
g	*2.00*	*7.50*	*0.236*	*1.273*	*2.676*	*0.090*	*0.27*	*30.4*
h	*2.00*	*9.50*	*0.173*	*0.933*	*1.901*	*0.026*	*0.19*	*20.9*
i	*2.00*	*11.50*	*0.137*	*0.737*	*1.562*	*0.010*	*0.13*	*15.1*
l	*2.00*	*13.50*	*0.113*	*0.609*	*1.383*	*0.005*	*0.10*	*11.3*
m	*2.00*	*15.50*	*0.096*	*0.519*	*1.278*	*0.002*	*0.08*	*8.7*
n	*4.00*	*18.50*	*0.079*	*0.424*	*1.186*	*0.001*	*0.06*	*6.2*
o	*4.00*	*22.50*	*0.063*	*0.341*	*1.121*	*0.000*	*0.04*	*4.2*
p	*8.00*	*28.50*	*0.049*	*0.264*	*1.072*	*0.000*	*0.02*	*2.6*
q	*8.00*	*36.50*	*0.038*	*0.203*	*1.043*	*0.000*	*0.01*	*1.6*

Cedimento istantaneo e di consolidazione

strato [-]	Δz_i [m]	z_i [m]	σ'_{vi} [kPa]	$\Delta\sigma_{zi}$ [kPa]	E [MPa]	K_0 [-]	ν [-]	Tipo terreno	S_i [mm]	S_C [mm]	S_t [mm]	S_{ED} [mm]
a	0.50	2.25	47.3	111.7	40.0	0.38	0.20	NC	1.2	-	1.2	-
b	0.50	2.75	57.8	105.5	40.0	0.38	0.20	NC	1.1	-	1.1	-
c	0.50	3.25	68.3	93.0	40.0	0.38	0.20	NC	1.0	-	1.0	-
d	1.00	4.00	84.0	73.5	50.1	0.38	0.20	NC	1.2	-	1.2	-
e	1.00	5.00	105.0	54.6	58.6	0.38	0.20	NC	0.8	-	0.8	-
f	1.00	6.00	126.0	42.2	66.6	0.38	0.20	NC	0.5	-	0.5	-
g	2.00	7.50	157.5	30.4	77.9	0.38	0.20	NC	0.7	-	0.7	-
h	2.00	9.50	199.5	20.9	91.9	0.38	0.20	NC	0.4	-	0.4	-
i	2.00	11.50	241.5	15.1	105.0	0.38	0.20	NC	-	-	-	-
l	2.00	13.50	283.5	11.3	117.5	0.38	0.20	NC	-	-	-	-
m	2.00	15.50	325.5	8.7	129.4	0.38	0.20	NC	-	-	-	-
n	4.00	18.50	388.5	6.2	146.5	0.38	0.20	NC	-	-	-	-
o	4.00	22.50	448.0	4.2	168.0	0.38	0.20	NC	-	-	-	-
p	8.00	28.50	515.1	2.6	198.2	0.38	0.20	NC	-	-	-	-
q	8.00	36.50	604.7	1.6	235.7	0.38	0.20	NC	-	-	-	-

Fondazione flessibile	**Cedimento immediato al centro della fondazione**	**6.9**
	Cedimento totale al centro della fondazione	**6.9**
	Cedimento immediato allo spigolo della fondazione	**1.7**
	Cedimento totale allo spigolo della fondazione	**1.7**
Fondazione rigida	**Cedimento immediato**	**5.2**
	Cedimento totale	**5.2**

Coefficiente di reazione del sottofondo		**K_s [MN/m^3]**
Fondazione flessibile	**Al centro della fondazione**	**22.3**
	Allo spigolo della fondazione	**89.2**
Fondazione rigida		**29.7**

LEGENDA

D_f	= profondità da p.c. del piano di posa della fondazione
B	= larghezza della fondazione
L	= lunghezza della fondazione
σ'_{vo}	= tensione verticale efficace alla quota di imposta della fondazione
q'	= pressione efficace lorda
$\Delta q'$	= pressione efficace netta
Hc	= spessore dello strato compressibile
Δz_i	= spessore dello strato iesimo
z_i	= profondità media dello strato iesimo
$(M, N)_i$	= fattori dimensionali dello strato iesimo
$(V, V1)_i$	= fattori dimensionali dello strato iesimo
$I_{\Delta z\, i}$	= fattore di dissipazione del carico dello strato iesimo
σ'_{vi}	= tensione verticale efficace alla profondità z_i
$\Delta\Delta_{zi}$	= incremento di tensione alla profondità z_i
E	= modulo di deformazione del terreno
K_0	= coefficiente di spinta orizzontale
ν	= coefficiente di Poisson
S_i	= cedimento istantaneo dello strato iesimo
S_c	= cedimento di consolidazione dello strato iesimo
S_t	= cedimento totale a fine consolidazione dello strato iesimo
K_s	= coefficiente di reazione del sottofondo

Nel caso in esame il valore del coefficiente di reazione del terreno K_s è stato assunto pari a 30000 kN/m^3.

5.3 CARATTERIZZAZIONE DELLA SISMICITÀ

La caratterizzazione sismica del sito in cui è inserita l'opera in oggetto viene effettuata sulla base delle indicazioni contenute nel D.M. 14/01/2008 (paragrafo 3.2).

I parametri sismici di base sono stati calcolati utilizzando il foglio di calcolo dedicato "*Spettri di risposta",* fornito dal Consiglio Sup. LL.PP. (http://www.cslp.it/cslp/), inserendo le coordinate geografiche dell'intervento in corrispondenza dell'opera in progetto:

Latitudine	38° 13' 49"
Longitudine	15° 39' 35"

5.3.1 PERIODO DI RIFERIMENTO PER L'AZIONE SISMICA

L'accelerazione orizzontale massima attesa al sito dipende dal periodo di riferimento considerato per la definizione dell'azione sismica.
In base alle indicazioni riportate nel paragrafo 2.4 del D.M. 14/01/2008 si scelgono i seguenti parametri di progetto:

Tipo di costruzione	2
Vita nominale (V_N)	50 anni
Classe d'uso	III
Coefficiente d'uso (C_U)	1.5

Pertanto il periodo di riferimento per l'azione sismica vale:

$$V_R \quad V_N \quad C_U \quad 50 \quad 1.5 \quad 75 \text{ anni}$$

5.3.2 PARAMETRI SISMICI DI BASE

In base alla posizione del sito in esame ed al periodo di riferimento considerato, si ottengono i seguenti parametri sismici di base:

STATO LIMITE	T_R [anni]	a_g [g]	F_O [-]	T_C^* [sec]
SLO	45	0.079	2.307	0.291
SLD	75	0.105	2.297	0.313
SLV	712	0.299	2.441	0.378
SLC	1462	0.397	2.481	0.410

dove: T_R = periodo di ritorno associato allo Stato Limite considerato;

a_g = accelerazione orizzontale massima in condizioni di campo libero su sito di riferimento rigido con superficie topografica orizzontale;

F_O = valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;

T_C^* = periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale.

5.3.3 STATI LIMITE DI RIFERIMENTO

Nel caso delle strutture in genere e delle opere di sostegno (muri, paratie) devono essere verificati i seguenti Stati Limite:

- **SLD** (Stato Limite di Danno), associato alle verifiche a Stato Limite di Esercizio;
- **SLV** (Stato Limite di salvaguardia della Vita), associato alle verifiche a Stato Limite Ultimo.

5.3.4 CATEGORIE DI SOTTOSUOLO E CONDIZIONI TOPOGRAFICHE

Ai fini della definizione dell'azione sismica di progetto, si rende necessario valutare l'effetto della risposta sismica locale mediante un approccio semplificato che si basa sull'individuazione delle categorie di sottosuolo di riferimento indicate nella Tabella 3.2.II del D.M. 14/01/2008.

Categoria	Descrizione
A	*Ammassi rocciosi affioranti o terreni molto rigidi* caratterizzati da valori di $V_{s,30}$ superiori a 800 m/s, eventualmente comprendenti in superficie uno strato di alterazione, con spes-sore massimo pari a 3m.
B	*Rocce tenere e depositi di terreni a grana grossa molto addensati o terreni a grana fina molto consistenti,* con spessori superiori a 30m, caratterizzati da un graduale migliora-mento delle proprietà meccaniche con la profondità e da valori di $V_{s,30}$ compresi tra 360m/s e 800m/s (ovvero $N_{SPT,30}$ > 50 nei terreni a grana grossa e $c_{u,30}$ > 250 kPa nei terreni a grana fina).
C	*Depositi di terreni a grana grossa mediamente addensati o terreni a grana fina media-mente consistenti,* con spessori superiori a 30m, caratterizzati da un graduale migliora-mento delle proprietà meccaniche con la profondità e da valori di $V_{s,30}$ compresi tra 180m/s e 360m/s (ovvero 15 < $N_{SPT,30}$ < 50 nei terreni a grana grossa e 70 < $c_{u,30}$ < 250 kPa nei terreni a grana fina).
D	*Depositi di terreni a grana grossa scarsamente addensati o di terreni a grana fina scarsa-mente consistenti*, con spessori superiori a 30m, caratterizzati da un graduale migliora-mento delle proprietà meccaniche con la profondità e da valori di $V_{s,30}$ inferiori a 180m/s (ovvero $N_{SPT,30}$ < 15 nei terreni a grana grossa e $c_{u,30}$ < 70 kPa nei terreni a grana fina).
E	*Terreni dei sottosuoli di tipo C o D per spessore non superiore a 20m*, posti sul substrato di riferimento(con V_s > 800 m/s).

In base alla caratterizzazione geotecnica del sito in cui sorge l'opera in progetto, il sottosuolo di progetto rientra nella **Categoria C**.

5.3.4.1 COEFFICIENTE DI AMPLIFICAZIONE STRATIGRAFICA

Il coefficiente di amplificazione stratigrafica (S_S) può essere calcolato in funzione dei valori di F_O e T_C* relativi al sottosuolo di Categoria A, mediante le espressioni fornite nella Tabella 3.2.V del D.M. 14/01/2008.

Operando una semplificazione a favore di sicurezza, si assume come valore del coefficiente di amplificazione, per le componenti orizzontali del sisma, il limite superiore di suddetta tabella.

Pertanto si ha:

Categoria di sottosuolo	**A**	**B**	**C**	**D**	**E**
Coefficiente S_S	1.00	1.20	1.50	1.80	1.60

Per le componenti verticali del sisma, il coefficiente S_S assume sempre il valore unitario.

5.3.4.2 COEFFICIENTE DI AMPLIFICAZIONE TOPOGRAFICA

In accordo con la Tabella 3.2.IV del D.M. 14/01/2008, le caratteristiche topografiche del sito in cui sorge l'opera in progetto rientrano nella **Categoria T1** (*"Superficie pianeggiante, pendii e rilievi isolati con inclinazione media i≤15°"*).
Tenendo conto delle condizioni topografiche ed in assenza di specifiche analisi di risposta sismica locale, il valore del coefficiente di topografia (S_T) assume quindi un valore unitario, in accordo con quanto riportato nella Tabella 3.2.VI del D.M. 14/01/2008.

5.3.5 PARAMETRI PER LE VERIFICHE DI STABILITÀ DEL PENDIO

Per le verifiche di stabilità globale del pendio a monte del muro di sostegno si è invece considerata sia l'accelerazione orizzontale che quella verticale. Il valore del coefficiente β_S può essere ottenuto direttamente dalla Tabella 7.11.I del D.M. 14/02/2008, in quanto l'accelerazione sismica attesa per quest'opera non supera il valore massimo considerato nella suddetta tabella (pari a 0.4g): nel calcolo dei coefficienti sismici a SLV si è assunto β_s = 0.28:

$$k_h = \beta_s \cdot \frac{a_{max}}{g} = 0.126 \qquad k_v = \pm 0.5 \cdot k_s = \pm 0.063$$

6 METODO DI CALCOLO A FESSURAZIONE

Viene eseguita la verifica allo stato limite di apertura delle fessure con riferimento al D.M. 14/01/2008 "Norme Tecniche per le Costruzioni" (§ 4.1.2.2.4).

Prima di procedere alle verifiche a fessurazione è necessario definire delle apposite combinazioni di carico ed effettuare una valutazione relativa al grado di protezione delle armature metalliche contro la corrosione (in termini di condizioni ambientali e sensibilità delle armature stesse alla corrosione).

Si distinguono i seguenti casi:

- ***Combinazioni di azioni:***
  - Frequente (indicata con FR);
  - Quasi Permanente (indicata con QP).
- ***Condizioni ambientali:***
  - Ordinarie;
  - Aggressive;
  - Molto Aggressive.
- ***Sensibilità delle armature alla corrosione:***
  - Sensibili (acciai da precompresso);
  - Poco sensibili (acciai ordinari).

Come criteri di scelta dello stato limite di fessurazione si fa riferimento alla tabella di seguito riportata.

Gruppi di esigenze	Condizioni ambientali	Combinazione di azioni	Armatura			
			Sensibile		Poco sensibile	
			Stato limite	w_d	Stato limite	w_d
a	Ordinarie	frequente	ap. fessure	$\leq w_2$	ap. fessure	$\leq w_3$
		quasi permanente	ap. fessure	$\leq w_1$	ap. fessure	$\leq w_2$
b	Aggressive	frequente	ap. fessure	$\leq w_1$	ap. fessure	$\leq w_2$
		quasi permanente	decompressione	-	ap. fessure	$\leq w_1$
c	Molto aggressive	frequente	formazione fessure	-	ap. fessure	$\leq w_1$
		quasi permanente	decompressione	-	ap. fessure	$\leq w_1$

Si considerano i seguenti valori limite di apertura delle fessure: w_1 = 0.2 mm;

w_2 = 0.3 mm;

w_3 = 0.4 mm.

Con l'ausilio del programma di calcolo "STS Stati Limite", si procede al calcolo del valore caratteristico dell'ampiezza della fessura w_d, confrontandolo con i valori limite precedentemente definiti.

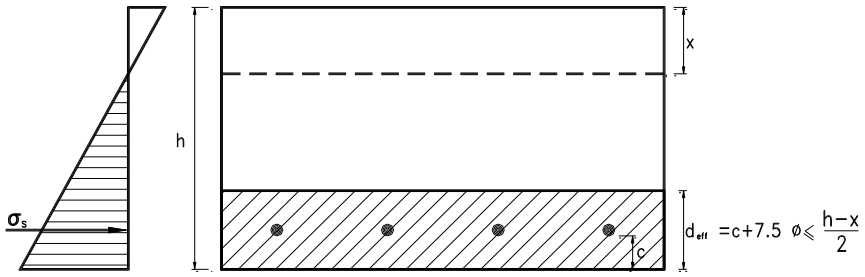
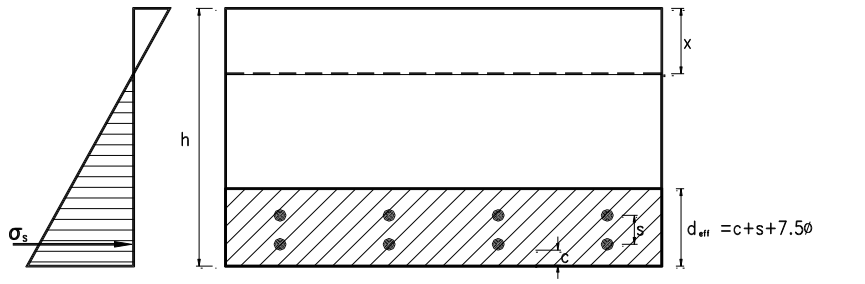
Il calcolo è condotto attraverso i seguenti passaggi:

- Valutazione della distanza media tra le fessure ($\square_{sm}$);
- Valutazione della deformazione media delle barre d'armatura ($\square_{sm}$);
- Valutazione dell'ampiezza delle fessure (valore medio e valore di calcolo).

Per il calcolo di $\square_{sm}$ e $\square_{sm}$ si utilizzano criteri consolidati riportati nella letteratura tecnica: in particolare si fa riferimento alla Circolare del Ministero dei Lavori Pubblici n°252 del 15/10/1996 (*"Istruzioni relative alle Norme Tecniche per l'esecuzione delle opere in cemento armato normale e precompresso e per le strutture metalliche di cui al D.M. 09.01.1996"*).

6.1 VALUTAZIONE DELLA DISTANZA MEDIA TRA LE FESSURE

Si definisce l'area efficace A_{ceff} come l'area di calcestruzzo entro la quale la barra di acciaio può effettivamente influenzare l'apertura della fessura. In base alle indicazioni riportate nella Circ. Min. LL.PP. n°252, si definisce l'altezza efficace con riferimento agli schemi di seguito riportati.

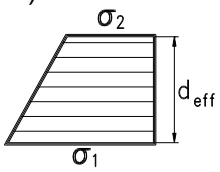
Caso 1: Lembo teso con un solo ordine di tondini d'armatura.	
Caso 2: Lembo teso con più livelli di tondini d'armatura.	

La distanza media tra le fessure, per la condizione di fessurazione stabilizzata in corrispondenza del livello baricentrico dell'armatura all'interno dell'area efficace, è data da:

$$_{sm} \quad 2 \quad c \quad \frac{s}{10} \quad k_2 \quad k_3 \quad \frac{}{_r}$$

dove:

- c = ricoprimento dell'armatura (copriferro netto);
- s = distanza tra le barre d'armatura; se s > 14 ▫ ▫ si adotterà s = 14 ▫ ▫;
- ▫ = diametro della barra;
- k_2 = coefficiente che caratterizza l'aderenza del cls alla barra, a cui si assegnano i seguenti valori:
  - ▫ 0.4 per barre ad aderenza migliorata;
  - ▫ 0.8 per barre lisce.
- k_3 = coefficiente che tiene conto della forma del diagramma delle tensioni prima della fessurazione, in base al seguente prospetto:
  - ▫ 0.125 (caso di diagramma triangolare di flessione e pressoflessione);
  - ▫ 0.250 (caso di trazione pura);
  - ▫ $0.25 \quad \frac{1 \quad 2}{2 \quad 1}$ (caso di trazione eccentrica o in cui si consideri una sola parte della sezione):



- ▫$_1$, ▫$_2$ = trazione nel cls teso;
- ▫$_r$=A_s/A_{ceff} = rapporto geometrico d'armatura (con A_s = area della sezione di acciaio posta nell'area A_{ceff}).

6.2 VALUTAZIONE DELLA DEFORMAZIONE MEDIA DELLE BARRE DI ARMATURE

La deformazione media delle barre d'armatura ▫$_{sm}$ è valutata secondo la seguente espressione che tiene conto del contributo del calcestruzzo teso che la circonda:

$$_{sm} \quad \frac{_s}{E_s} \quad 1 \quad _1 \quad _2 \quad \frac{_{sr}}{_s}^{2} \quad 0.4 \quad \frac{_s}{E_s}$$

dove:

- ▫$_s$ = tensione nell'acciaio calcolata nella sezione fessurata;
- ▫$_{sr}$ = tensione nell'acciaio calcolata nella sezione fessurata per la sollecitazione corrispondente al raggiungimento della resistenza media a trazione f_{ctm} nella fibra di cls più sollecitata in sezione interamente reagente, compresa nell'area efficace.

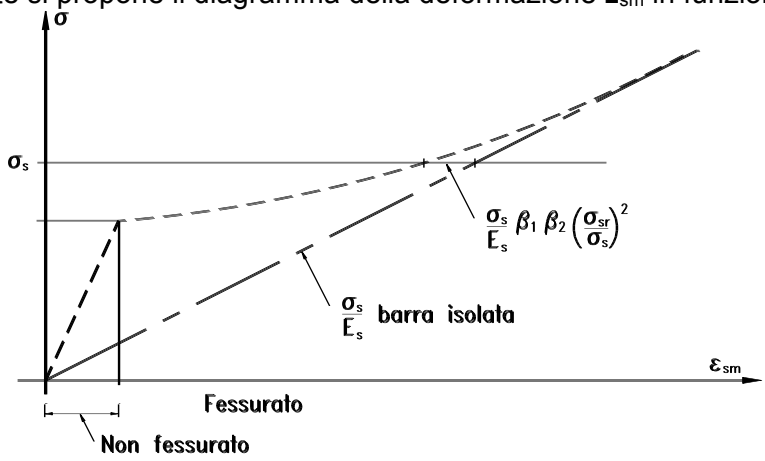
$\square_1$ = coefficiente rappresentativo dell'aderenza acciaio-cls, che assume i valori:
- $\square$ 1.0 (caso di barre ad aderenza migliorata);
- $\square$ 0.5 (caso di barre lisce).

$\square_2$ = coefficiente che tiene conto delle condizioni di sollecitazione:
- $\square$ 1.0 (caso della prima applicazione di una forza di breve durata);
- $\square$ 0.5 (caso di azioni di lunga durata o nel caso di azioni ripetute).

E_s = modulo elastico dell'acciaio delle barre di armatura.

In pratica si tratta di trovare i valori dell'azione assiale N e del momento flettente M (che stiano nello stesso rapporto delle sollecitazioni della combinazione di carico considerata) che portano il calcestruzzo teso della sezione completamente reagente a lavorare al suo limite. Una volta valutati, si opera la verifica della sezione parzializzata e si ricava il valore dello sforzo nell'acciaio teso.

Nella figura seguente si propone il diagramma della deformazione $\square_{sm}$ in funzione della tensione $\square_s$.



6.3 VALUTAZIONE DELL'AMPIEZZA DELLE FESSURE (VALORE MEDIO E VALORE DI CALCOLO)

L'ampiezza media delle fessure è calcolata come prodotto della deformazione media delle barre d'armatura $\square_{sm}$ per la distanza media tra le fessure $\square_{sm}$:

$$w_m \quad sm \quad sm$$

Si ricava quindi il valore di calcolo di apertura delle fessure, da confrontare con i valori nominali w_1, w_2 e w_3 riportati precedentemente:

$$w_d \quad 1.7 \quad w_m$$

6.4 DESCRIZIONE INPUT E OUTPUT DEL PROGRAMMA DI CALCOLO

Si descrive di seguito, in sintesi, come si presentano i tabulati di input ed output del programma di calcolo utilizzato. Nell'ordine il tabulato fornisce le seguenti informazioni:

- Indicazione sul tipo di barre utilizzate, utile per la determinazione di k_2 e $\square_1$;
- Valore del copriferro minimo ed effettivo (c);
- Valore dell'interferro (s);
- Valore del diametro massimo dei tondi d'armatura ($\square$);
- Rapporto tra sforzo normale e momento flettente (indispensabile per la valutazione di k_3);
- Resistenza a trazione del calcestruzzo (f_{ctm});
- Momento di prima fessurazione, corrispondente allo stato limite di formazione delle fessure: tale valore è associato a una tensione di trazione nella fibra più sollecitata pari a $\square_t = f_{ctm}/1.2$;
- Momento di fessurazione: tale valore è associato a una tensione di trazione nella fibra più sollecitata pari a $\square_t = f_{ctm}$.

Per lo stadio non fessurato:

- Coefficiente di omogeneizzazione acciaio-cls;
- Distanza dell'asse neutro dal lembo teso in fase non fessurata (sezione completamente reagente);
- Altezza del tirante ideale (d_{eff});
- Densità d'armatura del tirante ideale ($\square_r$).

Per lo stadio fessurato:

- Coefficiente di omogeneizzazione acciaio-cls;
- Distanza media fra due fessure attigue ($\square_{sm}$);
- Trazione nell'acciaio al raggiungimento della tensione limite f_{ctm} nel cls;
- Valore del coefficiente k_3;
- Trazione nell'acciaio per il calcolo della fessura (sollecitazione $\square_s$ effettiva);
- Ampiezza della fessura (w_d).

Si possono ottenere i seguenti casi:

1. ***Momento sollecitante inferiore al momento di prima fessurazione:***
   In tal caso la verifica a fessurazione perde di significato, in quanto non viene raggiunto lo stato limite di apertura delle fessure;
2. ***Momento sollecitante uguale o superiore al momento di prima fessurazione:***
   In tal caso occorre effettuare un confronto tra il valore dell'ampiezza massima della fessura calcolato dal programma con il valore limite da normativa.

7 FASI COSTRUTTIVE

Di seguito vengono descritte le fasi costruttive per la realizzazione del prolungamento del tombino scatolare idraulico esistente: vengono mantenute distinte le fasi di lavorazione a monte e a valle dell'Autostrada esistente, poiché la distanza è tale da renderle effettivamente indipendenti.

7.1 REALIZZAZIONE DEL PROLUNGAMENTO A MONTE

Vengono elencate di seguito le fasi di realizzazione delle opere a monte dell'Autostrada esistente, in fregio alla carreggiata direzione Salerno:

1. Realizzazione dei micropali e del cordolo di testa della paratia provvisoria;
2. Sbancamento del terreno a valle della paratia provvisoria: durante tale fase si dovrà procedere alla posa in opera dei contrasti sulla paratia provvisoria secondo le modalità previste nella relazione di calcolo;
3. Demolizione del manufatto d'imbocco esistente e del fosso rivestito;
4. Realizzazione del nuovo manufatto d'imbocco;
5. Realizzazione del piano di posa e successivo getto in opera del prolungamento del tombino scatolare 200▫200cm tra il tombino esistente e il nuovo manufatto d'imbocco;
6. Demolizione del cordolo e della testa della paratia provvisoria e rimodellazione del terreno a lato della A3.

7.2 REALIZZAZIONE DEL PROLUNGAMENTO A VALLE

Vengono elencate di seguito le fasi di realizzazione delle opere a valle dell'Autostrada esistente, in fregio alla carreggiata direzione Reggio Calabria:

1. Realizzazione dei micropali e del cordolo di testa della paratia provvisoria;
2. Sbancamento del terreno a valle della paratia provvisoria: durante tale fase si dovrà procedere alla posa in opera dei contrasti sulla paratia provvisoria secondo le modalità previste nella relazione di calcolo;
3. Demolizione del manufatto di sbocco esistente e del tombino compreso tra il manufatto di sbocco e il pozzetto di caduta;
4. Sbancamento del terreno nella zona del nuovo pozzetto di caduta n°1 e successiva realizzazione del pozzetto stesso;
5. Ricarica del terreno tra il pozzetto di caduta esistente ed il nuovo pozzetto di caduta n°1, creazione del piano di posa e successiva realizzazione del tombino scatolare tra i due manufatti;
6. Sbancamento del terreno nella zona del nuovo pozzetto di caduta n°2 e successiva realizzazione del pozzetto stesso;
7. Ricarica del terreno tra i pozzetti di caduta n°1 e n°2, creazione del piano di posa e successiva realizzazione del tombino scatolare tra i due manufatti;
8. Ricoprimento del tombino tra il pozzetto di caduta esistente ed il pozzetto di caduta n°1 per la realizzazione dei rilevati della Rampa C;
9. Demolizione del cordolo e della testa della paratia provvisoria e rimodellazione del terreno a lato della A3 secondo le disposizioni di progetto;
10. Sbancamento del terreno nella zona del nuovo muro di sostegno della Rampa F e successiva realizzazione del medesimo muro;
11. Ricarica del terreno tra il pozzetto di caduta n°2 ed il muro di sostegno, creazione del piano di posa e successiva realizzazione del tombino scatolare tra i due manufatti;
12. Ricoprimento del tombino tra i pozzetti di caduta n°1 e n°2 per la realizzazione del rilevato del piazzale di sosta e controllo;
13. Ricoprimento del tombino tra il pozzetto di caduta n°2 ed il muro di sostegno per la realizzazione del rilevato della Rampa F.

8 ANALISI TOMBINO SCATOLARE

8.1 ANALISI DEI CARICHI

8.1.1 PESO PROPRIO DELLO SCATOLARE

Il peso proprio è valutato in ragione di 25.00 kN/m^3 ed è computato automaticamente dal programma di calcolo nella condizione di carico ***PROPRI***.

8.1.2 CARICHI PERMANENTI SULLA SOLETTA SUPERIORE

Sulla soletta è presente un ricoprimento totale di spessore 5.50 m, comprendente lo strato più addensato del pacchetto di pavimentazione stradale (binder e usura) ed il terreno di ricoprimento.

	¤ [kN/m^3]	H [m]
Strato di binder e usura	30	0.10
Terreno di ricoprimento	20	5.40
Carico su soletta =	**111.00**	**kN/m^2**

Tale carico viene inserito nel programma di calcolo nella condizione di carico ***PERSUP***.

8.1.3 SPINTE DEL TERRENO E DEI SOVRACCARICHI PERMANENTI

La spinta del terreno e dei sovraccarichi permanenti viene valutata in base alle caratteristiche geotecniche del rilevato.

Si considera sia la condizione di spinta attiva (formulazione secondo Rankine) sia la condizione di spinta a riposo (formulazione secondo Jaky). Inoltre, in fase di combinazioni di carico, verrà valutata la possibilità di uno squilibrio delle spinte tra destra e sinistra dello scatolare per valutare gli effetti di un diverso grado di compattazione del rilevato.

Per il calcolo delle spinte si utilizzeranno i coefficiente definiti dalle seguenti formule:

- Spinta a riposo: $K_0 \quad 1 \quad sen(\ )$
- Spinta attiva: $K_a \quad tan \ /_4 \quad /_2$

dove: ¤ = angolo di attrito interno del terreno da rilevato (definito in precedenza).

Secondo il D.M. 14/01/2008 in alcune combinazioni a Stato Limite Ultimo (tipo GEO) è necessaria la parzializzazione dell'angolo di attrito del terreno: le grandezze derivate da tale assunzione verranno indicate in tabella con il pedice "*d*".

Pertanto si avrà:

	¤ [°]	K_0 [-]	K_a [-]
Parametri normali	38.00	0.38	0.24
Parametri parzializzati	32.01	0.47	0.31

La spinta del terreno e dei sovraccarichi permanenti risulta essere un carico distribuito lungo i piedritti con andamento linearmente variabile con la profondità. Si riportano i contributi In termini di pressioni (da inserire nel programma di calcolo SAP2000):

- ¤ a riposo: $S_{t(r)}$ K_0 ($_{pav}$ H_{pav} $_t$ H_{ril})
- ¤ attiva: $S_{t(a)}$ K_a ($_{pav}$ H_{pav} $_t$ H_{ril})

dove: K_0 = coefficiente di spinta a riposo;

K_a = coefficiente di spinta attiva;

¤$_{pav}$ = peso specifico della pavimentazione stradale (pari a 30.00 kN/m^3);

¤$_t$ = peso specifico del terreno da rilevato;

H_{pav} = spessore della pavimentazione stradale (pari a 10 cm);

H_{ril} = spessore del rilevato (esclusa la pavimentazione) rispetto alla quota di progetto.

Si ottengono i seguenti valori:

	H_{ril} [m]	$S_{t(r)}$ [kN/m^2]	$S_{t(r)-d}$ [kN/m^2]	$S_{t(a)}$ [kN/m^2]	$S_{t(a)-d}$ [kN/m^2]
Pressione a quota linea media soletta	5.25	46.25	55.45	29.39	37.25
Pressione a quota linea media contros.	7.45	65.29	78.28	41.49	52.58

Tali carichi vengono inseriti nel programma di calcolo nelle condizioni di carico ***SPT-SX*** (spinte a riposo sul piedritto di sinistra), ***SPTKa-SX*** (spinte attive sul piedritto di sinistra), ***SPT-DX*** (spinte a riposo sul piedritto di destra), ***SPTKa-DX*** (spinte attive sul piedritto di destra), ***SPTd-SX*** (spinte a riposo sul piedritto di sinistra con angolo di attrito parzializzato), ***SPTKad-SX*** (spinte attive sul piedritto di sinistra con angolo di attrito parzializzato), ***SPTd-DX*** (spinte a riposo sul piedritto di destra con angolo di attrito parzializzato) e ***SPTKad-DX*** (spinte attive sul piedritto di destra con angolo di attrito parzializzato).

8.1.4 SOVRACCARICO ACCIDENTALE SULLA SOLETTA SUPERIORE

Il sovraccarico accidentale agente sulla soletta superiore è costituito dalla corsia di traffico n°1, come definita in D.M. 14/01/2008 paragrafo 5.1.3.3, opportunamente diffusa nello strato di ricoprimento superiore.

In particolare, la colonna di carico risulta agente a livello della pavimentazione stradale superiore e composta da 2 assi in tandem (Q_{1k}=300kN) e da un carico uniformemente distribuito (q_{1k}=9.00kN/m^2). Con una opportuna diffusione, il carico accidentale agente sulla soletta viene calcolato secondo la seguente espressione:

$$Q_{acc\ sup} \quad \frac{2 \quad Q_{1k}}{B_l \quad B_t} \quad q_{1k}$$

con: $B_l \quad 1.60 \quad 2 \ [H_{ric} \quad tg(\ ) \quad s_{sol} / 2 \quad tg(\ )]$

$B_t \quad 2.40 \quad 2 \ [H_{ric} \quad tg(\ ) \quad s_{sol} / 2 \quad tg(\ )]$

dove: B_l = lunghezza di diffusione in longitudinale (rispetto alla colonna di carico);

B_t = lunghezza di diffusione in trasversale (rispetto alla colonna di carico);

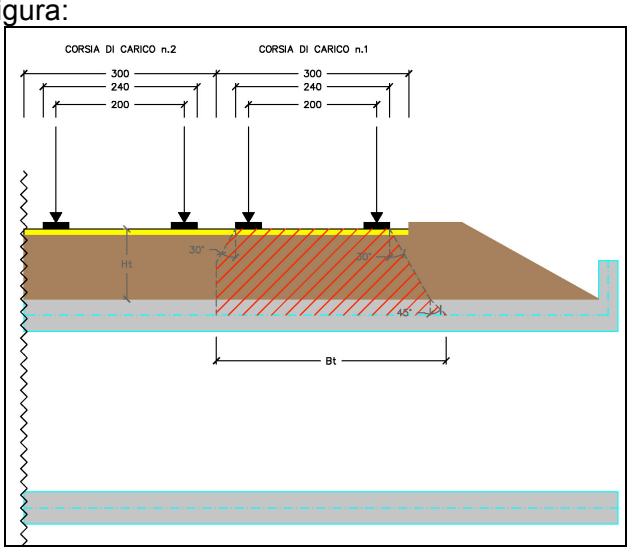
H_{ric} = spessore del ricoprimento;

s_{sol} = spessore della soletta superiore;

= angolo di diffusione del carico nel ricoprimento (rispetto alla verticale);

= angolo di diffusione del carico nella soletta di cls (rispetto alla verticale).

Il carico viene diffuso fino all'asse medio della soletta con un angolo d'inclinazione rispetto alla verticale di nel ricoprimento superiore e di nella soletta in cls. Inoltre, a favore di sicurezza, la lunghezza di diffusione in trasversale viene limitata da un lato dalla "Corsia di Carico n°2", come riportato nella seguente figura:



In base a quanto esposto, si ottengono i seguenti valori:

Angolo di diffusione nel rilevato	◘	=	30	°
Angolo di diffusione nella soletta di cls	◘	=	45	°
Spessore del ricoprimento	H_{ric}	=	5.50	m
Spessore della soletta superiore	s_{sol}	=	0.30	m
Lunghezza di diffusione longitudinale	B_l	=	8.25	m
Lunghezza di diffusione trasversale	B_t	=	6.03	m
Carico accidentale superiore su soletta	$Q_{acc\text{-}sup}$	=	21.07	kN/m^2

Tale carico viene inserito nel programma di calcolo nella condizione di carico ***ACCSUP***.

8.1.5 SPINTE DEL TERRENO DOVUTE AL SOVRACCARICO ACCIDENTALE

Il sovraccarico accidentale agente sul terreno a lato della struttura è costituito dal carico uniformemente distribuito q_{1k} e dai carichi tandem Q_{1k} (applicati su una superficie rettangolare di dimensioni 3.00m ◘ 2.20m); sul lato opposto agisce solamente il carico uniformemente distribuito q_{1k}.

Sul piedritto di sinistra si genera un carico linearmente variabile con la profondità: la variazione dell'intensità della forza tra la testa e il piede del piedritto è connessa alla diffusione verticale del sovraccarico accidentale. Si riportano i contributi In termini di pressioni (da inserire nel programma di calcolo SAP2000):

PIEDRITTO SINISTRO	H [m]	$S_{a(r)}$ [kN/m^2]	$S_{a(r)\text{-}d}$ [kN/m^2]	$S_{a(a)}$ [kN/m^2]	$S_{a(a)\text{-}d}$ [kN/m^2]
Pressione a quota linea media soletta	5.25	8.75	10.50	5.56	7.05
Pressione a quota linea media contros.	7.45	8.09	9.70	5.14	6.51

Sul piedritto di destra si genera un carico linearmente costante con la profondità. Si riportano i contributi In termini di pressioni (da inserire nel programma di calcolo SAP2000):

PIEDRITTO DESTRO	$S_{a(r)}$ [kN/m^2]	$S_{a(r)\text{-}d}$ [kN/m^2]	$S_{a(a)}$ [kN/m^2]	$S_{a(a)\text{-}d}$ [kN/m^2]
Pressione costante con la profondià	3.84	4.60	2.44	3.09

Tali carichi vengono inseriti nel programma di calcolo nelle condizioni di carico ***SPA-SX*** (spinte a riposo sul piedritto di sinistra), ***SPAKa-SX*** (spinte attive sul piedritto di sinistra), ***SPA-DX*** (spinte a riposo sul piedritto di destra), ***SPAKa-DX*** (spinte attive sul piedritto di destra), ***SPAd-SX*** (spinte a riposo sul piedritto di sinistra con angolo di attrito parzializzato), ***SPAKad-SX*** (spinte attive sul piedritto di sinistra con angolo di attrito parzializzato), ***SPAd-DX*** (spinte a riposo sul piedritto di destra con angolo di attrito parzializzato) e ***SPAKad-DX*** (spinte attive sul piedritto di destra con angolo di attrito parzializzato).

8.1.6 FORZA DI FRENAMENTO SULLA SOLETTA SUPERIORE

L'azione di frenamento viene considerata come un carico di intensità pari a (D.M. 14/01/2008, formula 5.1.4):

$$F_{fren} \quad 0.6 \ (2 \ Q_{1k}) \quad 0.1 \ q_{1k} \ \ w_1 \ \ L_c \ \ [kN]$$

dove: Q_{1k} = carico tandem della corsia n°1 pari a 300 kN;

q_{1k} = carico uniformemente distribuito della corsia n°1 pari a 9.00 kN/m^2;

w_1 = larghezza convenzionale della corsia n°1 pari a 3.00 m;

L_c = larghezza di calcolo dello scatolare pari a 2.30 m.

Tale carico viene diffuso attraverso il ricoprimento superiore secondo lo schema di diffusione precedentemente utilizzato nel paragrafo *"Sovraccarico accidentale sulla soletta superiore"* e inserito nel programma di calcolo nella condizione di carico ***FREN***.

8.1.7 CARICO IDRAULICO INTERNO ALLO SCATOLARE

Il carico idraulico agente sulla controsoletta è costituito dal peso dell'acqua che riempie completamente lo scatolare. Nel programma di calcolo si utilizza un carico uniformemente distribuito sulla larghezza interna netta della controsoletta pari a:

	γ_w [kN/m^3]	H_{int} [m]	Q_{w-i} [kN/m^2]
Carico idraulico interno	10	2.00	20.00

Il carico idraulico genera inoltre sulle pareti dello scatolare delle spinte idrostatiche: nel programma di calcolo si utilizza un carico linearmente variabile di intensità massima pari a Q_{w-i} a livello estradosso controsoletta e intensità nulla a livello intradosso soletta superiore.

Tali carichi vengono inseriti nel programma di calcolo nella condizione di carico ***IDRO***.

8.1.8 VARIAZIONI TERMICHE SULLA SOLETTA SUPERIORE

Sulla soletta superiore viene considerato agente un carico termico composto da una variazione uniforme di temperatura (ΔT_{unif}) e da una variazione linearmente variabile tra intradosso ed estradosso (δT_{var}) pari a:

Variazione uniforme di temperatura (ΔT_{unif})	10.00 °C
Variazione linearmente variabile (δT_{var})	± 5.00 °C

Tali carichi vengono inserite rispettivamente nelle condizioni di carico ***TEMPUNI*** e ***TEMPVAR***.

8.1.9 AZIONI SISMICHE

Le azioni sismiche vengono calcolate sulla base dei parametri sismici stimati nel capitolo dedicato "*Caratterizzazione sismica del sito*". Poichè la struttura è ragionevolmente considerata rigida, i carichi sismici si traducono in incrementi dei carichi di tipo G1 (elementi strutturali, carichi permanenti, spinte indotte dal terreno) e G3 (carico idraulico interno allo scatolare, se presente).

8.1.9.1 SOVRACCARICHI SISMICI DA PESO PROPRIO

Il peso proprio degli elementi dello scatolare in c.a. viene incrementato tramite i seguenti opportuni coefficienti:

- Coefficiente sismico orizzontale (K_H): $K_H \quad {}_m \; S_S \; S_T \; a_g / g$
- Coefficiente sismico verticale (K_V): $K_V \quad 0.5 \; {}_m \; S_S \; S_T \; a_g / g$

dove: $_m$ = coefficiente di riduzione dell'accelerazione massima attesa al sito (pari a 1);

S_S = coefficiente di amplificazione stratigrafica;

S_T = coefficiente di amplificazione topografica;

a_g = accelerazione massima attesa al sito per lo Stato Limite considerato;

g = accelerazione di gravità.

Si ha pertanto:

	K_H	K_V
SLD	0.13	0.05
SLV	0.36	0.15

Tali carichi vengono inseriti nelle condizioni di carico ***G1-SLD-X*** (componente sismica orizzontale a Stato Limite di Danno), ***G1-SLD-Z*** (componente sismica verticale a Stato Limite di Danno), ***G1-SLV-X*** (componente sismica orizzontale a Stato Limite di salvaguardia della Vita) e ***G1-SLV-Z*** (componente sismica verticale a Stato Limite di salvaguardia della Vita).

8.1.9.2 SOVRACCARICHI SISMICI PERMANENTI

Analogamente al peso proprio, il sovraccarico sismico permanente è ottenuto moltiplicando il carico permanente sulla soletta superiore per i coefficienti simici orizzontali e verticali.
Tali carichi vengono inseriti nelle condizioni di carico ***G1-SLD-X*** (componente sismica orizzontale a Stato Limite di Danno), ***G1-SLD-Z*** (componente sismica verticale a Stato Limite di Danno), ***G1-SLV-X*** (componente sismica orizzontale a Stato Limite di salvaguardia della Vita) e ***G1-SLV-Z*** (componente sismica verticale a Stato Limite di salvaguardia della Vita).

8.1.9.3 SOVRASPINTE SISMICHE DEL TERRENO E DEI SOVRACCARICHI PERMANENTI

Si considera che durante il sisma si generi uno stato di spinta attiva sul piedritto di sinistra ed uno stato di parziale spinta passiva sul piedritto di destra. Pertanto analiticamente si procederà al calcolo dell'incremento di spinta attiva sul piedritto di sinistra, mentre in fase di combinazioni di carico si simulerà la parziale mobilitazione della spinta passiva sul piedritto di destra con la spinta a riposo.
L'incremento della spinta attiva sismica presenta un andamento linearmente variabile con la profondità; in termini di pressioni viene analiticamente definito come segue:

$$S_t \quad (1 \quad k_v) \quad K_a \quad (\quad _{pav} \quad H_{pav} \quad \quad _t \quad H_{ril})$$

dove: k_v = coefficiente sismico verticale (definito al paragrafo 7.1.9.1);
δK_a = incremento del coefficiente di spinta attiva dovuta al sisma;
$\square_{pav}$ = peso specifico della pavimentazione stradale (pari a 30.00 kN/m^3);
$\square_t$ = peso specifico del terreno da rilevato;
H_{pav} = spessore della pavimentazione stradale (pari a 10 cm);
H_{ril} = spessore del rilevato (esclusa la pavimentazione) rispetto alla quota di progetto.

Si sottolinea che il coefficiente δK_a viene valutato come la differenza tra il coefficiente di spinta attiva in fase sismica (formulazione di Mononobe e Okabe) ed il coefficiente di spinta attiva in fase

statica (formulazione di Rankine). Analiticamente, le espressioni del coefficiente δK_a risultano essere le seguenti:

$$K_a \quad \frac{\text{sen}^2(\quad)}{\cos \quad \text{sen}^2 \quad \text{sen}(\quad) \quad 1 \quad \sqrt{\frac{\text{sen} \quad \text{sen}(\quad)}{\text{sen}(\quad) \quad \text{sen} \quad)}}^{\,2}} \quad \tan \frac{}{4} \quad \frac{}{2} \qquad \text{se} \quad \theta$$

$$K_a \quad \frac{\text{sen}^2(\quad)}{\cos \quad \text{sen}^2 \quad \text{sen}(\quad)} \quad \tan \frac{}{4} \quad \frac{}{2} \qquad \text{se} \quad < \theta$$

dove: Ψ = angolo d'inclinazione dei ritti rispetto all'orizzontale (pari a 90°);

$$\quad = \text{angolo di attrito del terreno;}$$

θ = angoli definiti dall'espressione: $\arctan \frac{k_h}{1 \quad k_v}$;

Tali carichi vengono inseriti nelle condizioni di carico ***G1-SLD-X*** (sovraspinta sismica a Stato Limite di Danno) e ***G1-SLV-X*** (sovraspinta sismica a Stato Limite di salvaguardia della Vita).

8.1.9.4 SOVRACCARICHI SISMICI DOVUTI AL CARICO IDRAULICO INTERNO ALLO SCATOLARE

Il carico idraulico interno allo scatolare provoca durante il sisma un incremento di spinta su una parete dello scatolare (a seconda della direzione del sisma). Tale incremento si somma alla spinta idrostatica definita in precedenza e si assume linearmente variabile con la profondità secondo la seguente espressione:

$$S_{wi} \quad \frac{7}{8} \quad {}_w \quad K_H \quad H_i$$

dove: $_w$ = peso specifico dell'acqua;

H_i = altezza interna dello scatolare;

K_H = coefficiente sismico orizzontale per lo Stato Limite considerato.

Tali carichi vengono inseriti nelle condizioni di carico ***G1-SLD-X*** (sovraspinta sismica a Stato Limite di Danno) e ***G3-SLV-X*** (sovraspinta sismica a Stato Limite di salvaguardia della Vita).

8.2 MODELLO DI CALCOLO

8.2.1 PROGRAMMA DI CALCOLO UTILIZZATO

L'analisi è stata eseguita con un modello ad elementi finiti nel programma di calcolo ***Sap2000 Advanced Rel. 14.0.2 -*** *Programma di calcolo ad elementi finiti monodimensionali, bidimensionali e tridimensionali*.

La rielaborazione dei risultati dell'analisi è stata svolta tramite l'utilizzo di fogli di calcolo dedicati e del programma ***STS Stati Limite Rel. 1.1*** Distribuito dall'ing. Dante Sangalli con il quale sono state effettuate le verifiche sezionali previste da normativa (Stato Limite di Esercizio, Stato Limite di Fessurazione e Stato Limite Ultimo).

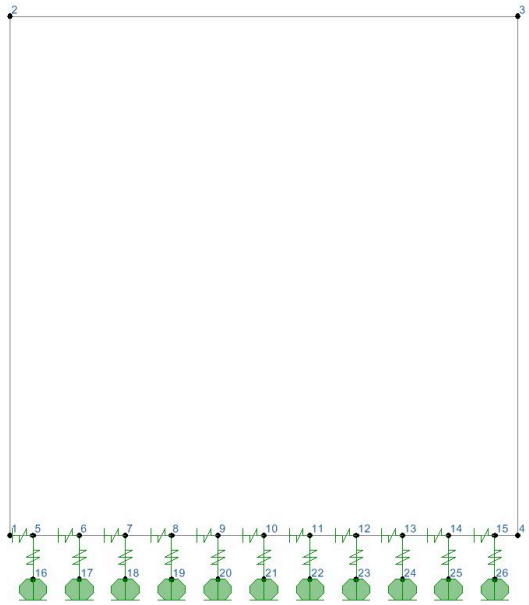
8.2.2 DESCRIZIONE DEL MODELLO DI CALCOLO

E' stato approntato un modello di calcolo con analisi non lineare al fine di schematizzare il terreno di fondazione con delle molle reagenti solo a compressione.

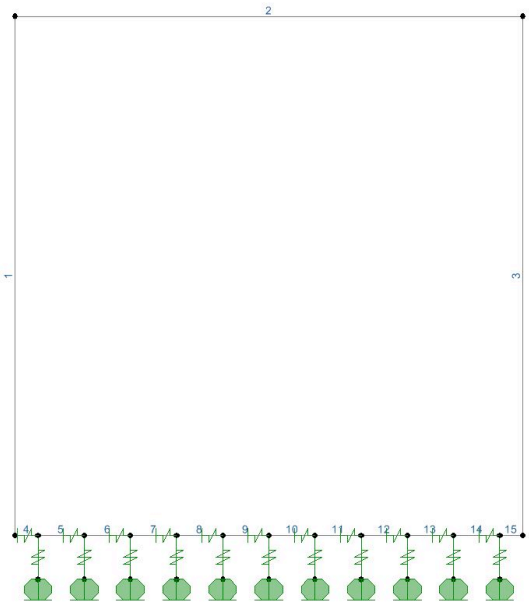
Lo scatolare è stato schematizzato con degli elementi finiti monodimensionali (*frame*): i frame hanno sezione rettangolare con altezza pari allo spessore dell'elemento schematizzato e base di lunghezza unitaria (1m).

La soletta ed i piedritti vengono schematizzati con l'utilizzo di un solo frame, mentre la fondazione (controsoletta) è schematizzata con l'utilizzo di più frame (i frame in fondazione hanno una lunghezza pari a circa 20 cm).

Sui nodi dei frame della controsoletta (eccezion fatta per i nodi in comune con i piedritti) vengono posizionate delle molle estensionali orizzontali per schematizzare l'interazione dell'opera con il terreno e delle frame verticali al cui estremo vengono aggiunte delle molle estensionali reagenti solo a compressione (*link*) in direzione verticale così da ottenere un adeguato vincolamento a terra della struttura (suolo elastico alla Winkler).



Modello di calcolo: numerazione dei nodi



Modello di calcolo: numerazione delle aste

8.3 COMBINAZIONI DI CARICO

	G1													G3	Q1	Q2		Q3				Q4				3	
	PROPRI	PERSUP	PERINF	SPT-SX	SPTKa-SX	SPTd-SX	SPTKad-SX	SPT-DX	SPTKa-DX	SPTd-DX	SPTKad-DX	SPW-SX	SPW-DX	IDRO	ACCINF	ACCSUP	FREN	SPA-SX	SPAKa-SX	SPAd-SX	SPAKad-SX	SPA-DX	SPAKa-DX	SPAd-DX	SPAKad-DX	TEMPUNI	TEMPVAR
SLE-QP-01	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
SLE-QP-02	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
SLE-QP-03	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
SLE-QP-04	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
SLE-QP-05	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
SLE-QP-06	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
SLE-QP-07	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
SLE-QP-08	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
SLE-QP-09	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
SLE-QP-10	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
SLE-QP-11	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
SLE-QP-12	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
SLE-QP-13	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
SLE-QP-14	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
SLE-QP-15	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
SLE-QP-16	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
SLE-QP-17	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
SLE-QP-18	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
SLE-QP-19	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
SLE-QP-20	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
SLE-QP-21	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
SLE-QP-22	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
SLE-QP-23	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
SLE-QP-24	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
SLE-QP-25	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
SLE-QP-26	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
SLE-QP-27	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
SLE-QP-28	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
SLE-QP-29	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
SLE-QP-30	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
SLE-QP-31	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
SLE-QP-32	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
SLE-FR-01	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLE-FR-02	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLE-FR-03	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLE-FR-04	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLE-FR-05	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLE-FR-06	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLE-FR-07	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLE-FR-08	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLE-FR-09	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLE-FR-10	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLE-FR-11	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLE-FR-12	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLE-FR-13	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLE-FR-14	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLE-FR-15	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLE-FR-16	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLE-FR-17	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLE-FR-18	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLE-FR-19	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLE-FR-20	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLE-FR-21	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLE-FR-22	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLE-FR-23	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLE-FR-24	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLE-FR-25	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLE-FR-26	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60

	G1													G3	Q1	Q2		Q3				Q4				3	
	PROPRI	PERSUP	PERINF	SPT-SX	SPTKa-SX	SPTd-SX	SPTKad-SX	SPT-DX	SPTKa-DX	SPTd-DX	SPTKad-DX	SPW-SX	SPW-DX	IDRO	ACCINF	ACCSUP	FREN	SPA-SX	SPAKa-SX	SPAd-SX	SPAKad-SX	SPA-DX	SPAKa-DX	SPAd-DX	SPAKad-DX	TEMPUNI	TEMPVAR
SLE-FR-27	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLE-FR-28	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLE-FR-29	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLE-FR-30	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLE-FR-31	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLE-FR-32	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLE-FR-33	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.50	0.50
SLE-FR-34	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.50	-0.50
SLE-FR-35	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	-0.50	0.50
SLE-FR-36	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	-0.50	-0.50
SLE-FR-37	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
SLE-FR-38	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
SLE-FR-39	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
SLE-FR-40	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
SLE-FR-41	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.50	0.50
SLE-FR-42	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.50	-0.50
SLE-FR-43	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	-0.50	0.50
SLE-FR-44	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	-0.50	-0.50
SLE-FR-45	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
SLE-FR-46	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
SLE-FR-47	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
SLE-FR-48	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
SLE-FR-49	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.50	0.50
SLE-FR-50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.50	-0.50
SLE-FR-51	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	-0.50	0.50
SLE-FR-52	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	-0.50	-0.50
SLE-FR-53	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
SLE-FR-54	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
SLE-FR-55	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
SLE-FR-56	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
SLE-FR-57	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.50	0.50
SLE-FR-58	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.50	-0.50
SLE-FR-59	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	-0.50	0.50
SLE-FR-60	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	-0.50	-0.50
SLE-FR-61	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
SLE-FR-62	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
SLE-FR-63	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
SLE-FR-64	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
SLE-FR-65	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.50	0.50
SLE-FR-66	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.50	-0.50
SLE-FR-67	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	-0.50	0.50
SLE-FR-68	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	-0.50	-0.50
SLE-FR-69	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
SLE-FR-70	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
SLE-FR-71	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
SLE-FR-72	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
SLE-FR-73	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.50	0.50
SLE-FR-74	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.50	-0.50
SLE-FR-75	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	-0.50	0.50
SLE-FR-76	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	-0.50	-0.50
SLE-FR-77	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
SLE-FR-78	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
SLE-FR-79	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
SLE-FR-80	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
SLE-FR-81	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.50	0.50
SLE-FR-82	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.50	-0.50
SLE-FR-83	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	-0.50	0.50
SLE-FR-84	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	-0.50	-0.50

	G1													G3	Q1	Q2		Q3				Q4				3	
	PROPRI	PERSUP	PERINF	SPT-SX	SPTKa-SX	SPTd-SX	SPTKad-SX	SPT-DX	SPTKa-DX	SPTd-DX	SPTKad-DX	SPW-SX	SPW-DX	IDRO	ACCINF	ACCSUP	FREN	SPA-SX	SPAKa-SX	SPAd-SX	SPAKad-SX	SPA-DX	SPAKa-DX	SPAd-DX	SPAKad-DX	TEMPUNI	TEMPVAR
SLE-FR-85	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
SLE-FR-86	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
SLE-FR-87	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
SLE-FR-88	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
SLE-FR-89	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.50	0.50
SLE-FR-90	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.50	-0.50
SLE-FR-91	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	-0.50	0.50
SLE-FR-92	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	-0.50	-0.50
SLE-FR-93	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
SLE-FR-94	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
SLE-FR-95	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
SLE-FR-96	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
SLE-CAR-001	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLE-CAR-002	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-003	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-004	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-005	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLE-CAR-006	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-007	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-008	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-009	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	1.00	1.00
SLE-CAR-010	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-011	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-012	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-013	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLE-CAR-014	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-015	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-016	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-017	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	1.00	1.00
SLE-CAR-018	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-019	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-020	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-021	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLE-CAR-022	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-023	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-024	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-025	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLE-CAR-026	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-027	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-028	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-029	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLE-CAR-030	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-031	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-032	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-033	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	1.00	1.00
SLE-CAR-034	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-035	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-036	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-037	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLE-CAR-038	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-039	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-040	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-041	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	1.00	1.00
SLE-CAR-042	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-043	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-044	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-045	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLE-CAR-046	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00

	G1													G3	Q1	Q2		Q3				Q4				3	
	PROPRI	PERSUP	PERINF	SPT-SX	SPTKa-SX	SPTd-SX	SPTKad-SX	SPT-DX	SPTKa-DX	SPTd-DX	SPTKad-DX	SPW-SX	SPW-DX	IDRO	ACCINF	ACCSUP	FREN	SPA-SX	SPAKa-SX	SPAd-SX	SPAKad-SX	SPA-DX	SPAKa-DX	SPAd-DX	SPAKad-DX	TEMPUNI	TEMPVAR
SLE-CAR-047	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-048	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-049	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLE-CAR-050	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-051	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-052	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-053	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLE-CAR-054	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-055	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-056	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-057	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	1.00	1.00
SLE-CAR-058	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	1.00	-1.00
SLE-CAR-059	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	-1.00	1.00
SLE-CAR-060	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	-1.00	-1.00
SLE-CAR-061	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLE-CAR-062	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-063	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-064	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-065	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	1.00	1.00
SLE-CAR-066	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	1.00	-1.00
SLE-CAR-067	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	-1.00	1.00
SLE-CAR-068	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	-1.00	-1.00
SLE-CAR-069	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLE-CAR-070	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-071	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-072	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-073	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLE-CAR-074	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-075	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-076	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-077	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLE-CAR-078	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-079	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-080	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-081	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	1.00	1.00
SLE-CAR-082	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	1.00	-1.00
SLE-CAR-083	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	-1.00	1.00
SLE-CAR-084	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	-1.00	-1.00
SLE-CAR-085	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLE-CAR-086	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-087	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-088	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-089	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	1.00	1.00
SLE-CAR-090	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	1.00	-1.00
SLE-CAR-091	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	-1.00	1.00
SLE-CAR-092	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	-1.00	-1.00
SLE-CAR-093	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLE-CAR-094	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLE-CAR-095	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLE-CAR-096	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLE-CAR-097	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.60	0.60
SLE-CAR-098	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.60	-0.60
SLE-CAR-099	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	-0.60	0.60
SLE-CAR-100	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	-0.60	-0.60
SLE-CAR-101	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLE-CAR-102	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLE-CAR-103	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLE-CAR-104	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60

	G1													G3	Q1	Q2		Q3				Q4				3	
	PROPRI	PERSUP	PERINF	SPT-SX	SPTKa-SX	SPTd-SX	SPTKad-SX	SPT-DX	SPTKa-DX	SPTd-DX	SPTKad-DX	SPW-SX	SPW-DX	IDRO	ACCINF	ACCSUP	FREN	SPA-SX	SPAKa-SX	SPAd-SX	SPAKad-SX	SPA-DX	SPAKa-DX	SPAd-DX	SPAKad-DX	TEMPUNI	TEMPVAR
SLE-CAR-105	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.60	0.60
SLE-CAR-106	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.60	-0.60
SLE-CAR-107	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	-0.60	0.60
SLE-CAR-108	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	-0.60	-0.60
SLE-CAR-109	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLE-CAR-110	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLE-CAR-111	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLE-CAR-112	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLE-CAR-113	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.60	0.60
SLE-CAR-114	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.60	-0.60
SLE-CAR-115	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	-0.60	0.60
SLE-CAR-116	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	-0.60	-0.60
SLE-CAR-117	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLE-CAR-118	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLE-CAR-119	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLE-CAR-120	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLE-CAR-121	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.60	0.60
SLE-CAR-122	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.60	-0.60
SLE-CAR-123	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	-0.60	0.60
SLE-CAR-124	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	-0.60	-0.60
SLE-CAR-125	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLE-CAR-126	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLE-CAR-127	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLE-CAR-128	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLE-CAR-129	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.60	0.60
SLE-CAR-130	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.60	-0.60
SLE-CAR-131	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	-0.60	0.60
SLE-CAR-132	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	-0.60	-0.60
SLE-CAR-133	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLE-CAR-134	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLE-CAR-135	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLE-CAR-136	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLE-CAR-137	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.60	0.60
SLE-CAR-138	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.60	-0.60
SLE-CAR-139	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	-0.60	0.60
SLE-CAR-140	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	-0.60	-0.60
SLE-CAR-141	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLE-CAR-142	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLE-CAR-143	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLE-CAR-144	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLE-CAR-145	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.60	0.60
SLE-CAR-146	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.60	-0.60
SLE-CAR-147	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	-0.60	0.60
SLE-CAR-148	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	-0.60	-0.60
SLE-CAR-149	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLE-CAR-150	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLE-CAR-151	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLE-CAR-152	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLE-CAR-153	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.60	0.60
SLE-CAR-154	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.60	-0.60
SLE-CAR-155	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	-0.60	0.60
SLE-CAR-156	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	-0.60	-0.60
SLE-CAR-157	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLE-CAR-158	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLE-CAR-159	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLE-CAR-160	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
FESS-QP-01	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
FESS-QP-02	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50

	G1													G3	Q1	Q2		Q3				Q4				3	
	PROPRI	PERSUP	PERINF	SPT-SX	SPTKa-SX	SPTd-SX	SPTKad-SX	SPT-DX	SPTKa-DX	SPTd-DX	SPTKad-DX	SPW-SX	SPW-DX	IDRO	ACCINF	ACCSUP	FREN	SPA-SX	SPAKa-SX	SPAd-SX	SPAKad-SX	SPA-DX	SPAKa-DX	SPAd-DX	SPAKad-DX	TEMPUNI	TEMPVAR
FESS-QP-03	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
FESS-QP-04	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
FESS-QP-05	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
FESS-QP-06	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
FESS-QP-07	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
FESS-QP-08	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
FESS-QP-09	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
FESS-QP-10	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
FESS-QP-11	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
FESS-QP-12	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
FESS-QP-13	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
FESS-QP-14	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
FESS-QP-15	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
FESS-QP-16	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
FESS-QP-17	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
FESS-QP-18	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
FESS-QP-19	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
FESS-QP-20	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
FESS-QP-21	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
FESS-QP-22	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
FESS-QP-23	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
FESS-QP-24	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
FESS-QP-25	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
FESS-QP-26	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
FESS-QP-27	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
FESS-QP-28	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
FESS-QP-29	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
FESS-QP-30	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
FESS-QP-31	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
FESS-QP-32	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
FESS-FR-01	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
FESS-FR-02	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
FESS-FR-03	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
FESS-FR-04	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
FESS-FR-05	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
FESS-FR-06	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
FESS-FR-07	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
FESS-FR-08	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
FESS-FR-09	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
FESS-FR-10	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
FESS-FR-11	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
FESS-FR-12	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
FESS-FR-13	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
FESS-FR-14	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
FESS-FR-15	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
FESS-FR-16	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
FESS-FR-17	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
FESS-FR-18	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
FESS-FR-19	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
FESS-FR-20	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
FESS-FR-21	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
FESS-FR-22	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
FESS-FR-23	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
FESS-FR-24	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
FESS-FR-25	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
FESS-FR-26	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
FESS-FR-27	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
FESS-FR-28	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60

	G1													G3	Q1	Q2		Q3				Q4				3	
	PROPRI	PERSUP	PERINF	SPT-SX	SPTKa-SX	SPTd-SX	SPTKad-SX	SPT-DX	SPTKa-DX	SPTd-DX	SPTKad-DX	SPW-SX	SPW-DX	IDRO	ACCINF	ACCSUP	FREN	SPA-SX	SPAKa-SX	SPAd-SX	SPAKad-SX	SPA-DX	SPAKa-DX	SPAd-DX	SPAKad-DX	TEMPUNI	TEMPVAR
FESS-FR-29	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
FESS-FR-30	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
FESS-FR-31	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
FESS-FR-32	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
FESS-FR-33	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.50	0.50
FESS-FR-34	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.50	-0.50
FESS-FR-35	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	-0.50	0.50
FESS-FR-36	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	-0.50	-0.50
FESS-FR-37	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
FESS-FR-38	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
FESS-FR-39	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
FESS-FR-40	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
FESS-FR-41	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.50	0.50
FESS-FR-42	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.50	-0.50
FESS-FR-43	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	-0.50	0.50
FESS-FR-44	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.00	-0.50	-0.50
FESS-FR-45	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
FESS-FR-46	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
FESS-FR-47	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
FESS-FR-48	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
FESS-FR-49	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.50	0.50
FESS-FR-50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.50	-0.50
FESS-FR-51	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	-0.50	0.50
FESS-FR-52	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	-0.50	-0.50
FESS-FR-53	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
FESS-FR-54	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
FESS-FR-55	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
FESS-FR-56	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
FESS-FR-57	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.50	0.50
FESS-FR-58	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.50	-0.50
FESS-FR-59	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	-0.50	0.50
FESS-FR-60	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.00	-0.50	-0.50
FESS-FR-61	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
FESS-FR-62	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
FESS-FR-63	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
FESS-FR-64	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
FESS-FR-65	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.50	0.50
FESS-FR-66	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.50	-0.50
FESS-FR-67	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	-0.50	0.50
FESS-FR-68	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	-0.50	-0.50
FESS-FR-69	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
FESS-FR-70	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
FESS-FR-71	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
FESS-FR-72	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
FESS-FR-73	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.50	0.50
FESS-FR-74	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	0.50	-0.50
FESS-FR-75	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	-0.50	0.50
FESS-FR-76	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00	0.00	-0.50	-0.50
FESS-FR-77	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
FESS-FR-78	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
FESS-FR-79	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
FESS-FR-80	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
FESS-FR-81	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.50	0.50
FESS-FR-82	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.50	-0.50
FESS-FR-83	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	-0.50	0.50
FESS-FR-84	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	-0.50	-0.50
FESS-FR-85	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
FESS-FR-86	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50

FESS-FR-87	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
FESS-FR-88	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.00	0.75	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
FESS-FR-89	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.50	0.50
FESS-FR-90	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	0.50	-0.50
FESS-FR-91	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	-0.50	0.50
FESS-FR-92	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.38	0.00	0.00	-0.50	-0.50
FESS-FR-93	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50
FESS-FR-94	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.50	-0.50
FESS-FR-95	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	0.50
FESS-FR-96	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-0.50
SLU-STR-001	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20
SLU-STR-002	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	-1.20
SLU-STR-003	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	1.20
SLU-STR-004	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-005	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20
SLU-STR-006	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	-1.20
SLU-STR-007	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	1.20
SLU-STR-008	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-009	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	1.01	0.00	0.00	0.00	1.01	0.00	0.00	0.00	1.20	1.20
SLU-STR-010	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	1.01	0.00	0.00	0.00	1.01	0.00	0.00	0.00	1.20	-1.20
SLU-STR-011	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	1.01	0.00	0.00	0.00	1.01	0.00	0.00	0.00	-1.20	1.20
SLU-STR-012	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	1.01	0.00	0.00	0.00	1.01	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-013	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20
SLU-STR-014	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	-1.20
SLU-STR-015	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	1.20
SLU-STR-016	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-017	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	1.01	0.00	0.00	0.00	1.01	0.00	0.00	0.00	1.20	1.20
SLU-STR-018	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	1.01	0.00	0.00	0.00	1.01	0.00	0.00	0.00	1.20	-1.20
SLU-STR-019	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	1.01	0.00	0.00	0.00	1.01	0.00	0.00	0.00	-1.20	1.20
SLU-STR-020	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	1.01	0.00	0.00	0.00	1.01	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-021	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20
SLU-STR-022	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	-1.20
SLU-STR-023	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	1.20
SLU-STR-024	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-025	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20
SLU-STR-026	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	-1.20
SLU-STR-027	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	1.20
SLU-STR-028	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-029	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20
SLU-STR-030	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	-1.20
SLU-STR-031	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	1.20
SLU-STR-032	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-033	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	1.01	0.00	0.00	0.00	0.51	0.00	0.00	0.00	1.20	1.20
SLU-STR-034	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	1.01	0.00	0.00	0.00	0.51	0.00	0.00	0.00	1.20	-1.20
SLU-STR-035	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	1.01	0.00	0.00	0.00	0.51	0.00	0.00	0.00	-1.20	1.20
SLU-STR-036	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	1.01	0.00	0.00	0.00	0.51	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-037	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20
SLU-STR-038	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	-1.20
SLU-STR-039	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	1.20
SLU-STR-040	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-041	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	1.01	0.00	0.00	0.00	0.51	0.00	0.00	0.00	1.20	1.20
SLU-STR-042	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	1.01	0.00	0.00	0.00	0.51	0.00	0.00	0.00	1.20	-1.20
SLU-STR-043	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	1.01	0.00	0.00	0.00	0.51	0.00	0.00	0.00	-1.20	1.20
SLU-STR-044	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	1.01	0.00	0.00	0.00	0.51	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-045	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20
SLU-STR-046	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	-1.20
SLU-STR-047	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	1.20
SLU-STR-048	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	-1.20

	G1													G3	Q1	Q2		Q3				Q4				3	
	PROPRI	PERSUP	PERINF	SPT-SX	SPTKa-SX	SPTd-SX	SPTKad-SX	SPT-DX	SPTKa-DX	SPTd-DX	SPTKad-DX	SPW-SX	SPW-DX	IDRO	ACCINF	ACCSUP	FREN	SPA-SX	SPAKa-SX	SPAd-SX	SPAKad-SX	SPA-DX	SPAKa-DX	SPAd-DX	SPAKad-DX	TEMPUNI	TEMPVAR
SLU-STR-049	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20
SLU-STR-050	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	-1.20
SLU-STR-051	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	1.20
SLU-STR-052	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-053	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20
SLU-STR-054	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	-1.20
SLU-STR-055	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	1.20
SLU-STR-056	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-057	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	0.00	1.01	0.00	0.00	0.00	1.01	0.00	0.00	1.20	1.20
SLU-STR-058	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	0.00	1.01	0.00	0.00	0.00	1.01	0.00	0.00	1.20	-1.20
SLU-STR-059	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	0.00	1.01	0.00	0.00	0.00	1.01	0.00	0.00	-1.20	1.20
SLU-STR-060	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	0.00	1.01	0.00	0.00	0.00	1.01	0.00	0.00	-1.20	-1.20
SLU-STR-061	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20
SLU-STR-062	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	1.20	-1.20
SLU-STR-063	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	1.20
SLU-STR-064	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-065	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	0.00	1.01	0.00	0.00	0.00	1.01	0.00	0.00	1.20	1.20
SLU-STR-066	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	0.00	1.01	0.00	0.00	0.00	1.01	0.00	0.00	1.20	-1.20
SLU-STR-067	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	0.00	1.01	0.00	0.00	0.00	1.01	0.00	0.00	-1.20	1.20
SLU-STR-068	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	0.00	1.01	0.00	0.00	0.00	1.01	0.00	0.00	-1.20	-1.20
SLU-STR-069	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20
SLU-STR-070	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	1.20	-1.20
SLU-STR-071	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	1.20
SLU-STR-072	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-073	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20
SLU-STR-074	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	-1.20
SLU-STR-075	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	1.20
SLU-STR-076	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-077	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20
SLU-STR-078	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	-1.20
SLU-STR-079	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	1.20
SLU-STR-080	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-081	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.51	0.00	0.00	1.20	1.20
SLU-STR-082	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.51	0.00	0.00	1.20	-1.20
SLU-STR-083	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.51	0.00	0.00	-1.20	1.20
SLU-STR-084	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.51	0.00	0.00	-1.20	-1.20
SLU-STR-085	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20
SLU-STR-086	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	1.20	-1.20
SLU-STR-087	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	1.20
SLU-STR-088	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	1.01	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-089	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.51	0.00	0.00	1.20	1.20
SLU-STR-090	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.51	0.00	0.00	1.20	-1.20
SLU-STR-091	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.51	0.00	0.00	-1.20	1.20
SLU-STR-092	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.51	0.00	0.00	-1.20	-1.20
SLU-STR-093	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20
SLU-STR-094	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	1.20	-1.20
SLU-STR-095	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	1.20
SLU-STR-096	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	1.01	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	-1.20
SLU-STR-097	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.72	0.72
SLU-STR-098	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.72	-0.72
SLU-STR-099	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	-0.72	0.72
SLU-STR-100	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	-0.72	-0.72
SLU-STR-101	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.72
SLU-STR-102	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	-0.72
SLU-STR-103	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.72	0.72
SLU-STR-104	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.72	-0.72
SLU-STR-105	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.72	0.72
SLU-STR-106	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	0.72	-0.72

	G1													G3	Q1	Q2		Q3				Q4				3	
	PROPRI	PERSUP	PERINF	SPT-SX	SPTKa-SX	SPTd-SX	SPTKad-SX	SPT-DX	SPTKa-DX	SPTd-DX	SPTKad-DX	SPW-SX	SPW-DX	IDRO	ACCINF	ACCSUP	FREN	SPA-SX	SPAKa-SX	SPAd-SX	SPAKad-SX	SPA-DX	SPAKa-DX	SPAd-DX	SPAKad-DX	TEMPUNI	TEMPVAR
SLU-STR-107	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	-0.72	0.72
SLU-STR-108	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	-0.72	-0.72
SLU-STR-109	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.72
SLU-STR-110	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	-0.72
SLU-STR-111	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.72	0.72
SLU-STR-112	1.35	1.35	1.35	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.72	-0.72
SLU-STR-113	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.72	0.72
SLU-STR-114	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.72	-0.72
SLU-STR-115	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	-0.72	0.72
SLU-STR-116	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	-0.72	-0.72
SLU-STR-117	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.72
SLU-STR-118	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	-0.72
SLU-STR-119	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.72	0.72
SLU-STR-120	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.72	-0.72
SLU-STR-121	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.72	0.72
SLU-STR-122	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.72	-0.72
SLU-STR-123	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	-0.72	0.72
SLU-STR-124	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	-0.72	-0.72
SLU-STR-125	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.72
SLU-STR-126	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	-0.72
SLU-STR-127	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.72	0.72
SLU-STR-128	1.35	1.35	1.35	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.72	-0.72
SLU-STR-129	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.72	0.72
SLU-STR-130	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.72	-0.72
SLU-STR-131	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	-0.72	0.72
SLU-STR-132	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	-0.72	-0.72
SLU-STR-133	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.72
SLU-STR-134	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.72	-0.72
SLU-STR-135	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	-0.72	0.72
SLU-STR-136	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	-0.72	-0.72
SLU-STR-137	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.72	0.72
SLU-STR-138	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	0.72	-0.72
SLU-STR-139	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	-0.72	0.72
SLU-STR-140	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	-0.72	-0.72
SLU-STR-141	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.72
SLU-STR-142	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.72	-0.72
SLU-STR-143	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	-0.72	0.72
SLU-STR-144	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	1.35	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	-0.72	-0.72
SLU-STR-145	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.72	0.72
SLU-STR-146	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.72	-0.72
SLU-STR-147	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	-0.72	0.72
SLU-STR-148	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	-0.72	-0.72
SLU-STR-149	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.72
SLU-STR-150	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.72	-0.72
SLU-STR-151	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	-0.72	0.72
SLU-STR-152	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	1.50	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	-0.72	-0.72
SLU-STR-153	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.72	0.72
SLU-STR-154	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	0.72	-0.72
SLU-STR-155	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	-0.72	0.72
SLU-STR-156	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	-0.72	-0.72
SLU-STR-157	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.72
SLU-STR-158	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.72	-0.72
SLU-STR-159	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	-0.72	0.72
SLU-STR-160	1.35	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.68	0.00	0.00	1.35	1.35	0.00	0.00	1.35	1.35	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	-0.72	-0.72
SLU-GEO-001	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLU-GEO-002	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-003	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-004	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00

	G1													G3	Q1	Q2		Q3				Q4				3	
	PROPRI	PERSUP	PERINF	SPT-SX	SPTKa-SX	SPTd-SX	SPTKad-SX	SPT-DX	SPTKa-DX	SPTd-DX	SPTKad-DX	SPW-SX	SPW-DX	IDRO	ACCINF	ACCSUP	FREN	SPA-SX	SPAKa-SX	SPAd-SX	SPAKad-SX	SPA-DX	SPAKa-DX	SPAd-DX	SPAKad-DX	TEMPUNI	TEMPVAR
SLU-GEO-005	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLU-GEO-006	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-007	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-008	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-009	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.86	0.00	0.00	0.00	0.86	0.00	0.00	0.00	1.00	1.00
SLU-GEO-010	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.86	0.00	0.00	0.00	0.86	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-011	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.86	0.00	0.00	0.00	0.86	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-012	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.86	0.00	0.00	0.00	0.86	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-013	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLU-GEO-014	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-015	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-016	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-017	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.86	0.00	0.00	0.00	0.86	0.00	0.00	0.00	1.00	1.00
SLU-GEO-018	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.86	0.00	0.00	0.00	0.86	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-019	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.86	0.00	0.00	0.00	0.86	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-020	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.86	0.00	0.00	0.00	0.86	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-021	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLU-GEO-022	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-023	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-024	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-025	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLU-GEO-026	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-027	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-028	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-029	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLU-GEO-030	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-031	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-032	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-033	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.86	0.00	0.00	0.00	0.43	0.00	0.00	0.00	1.00	1.00
SLU-GEO-034	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.86	0.00	0.00	0.00	0.43	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-035	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.86	0.00	0.00	0.00	0.43	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-036	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.86	0.00	0.00	0.00	0.43	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-037	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLU-GEO-038	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-039	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-040	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-041	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.86	0.00	0.00	0.00	0.43	0.00	0.00	0.00	1.00	1.00
SLU-GEO-042	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.86	0.00	0.00	0.00	0.43	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-043	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.86	0.00	0.00	0.00	0.43	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-044	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.86	0.00	0.00	0.00	0.43	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-045	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLU-GEO-046	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-047	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-048	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-049	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLU-GEO-050	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-051	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-052	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-053	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLU-GEO-054	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-055	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-056	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-057	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.86	0.00	0.00	1.00	1.00
SLU-GEO-058	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.86	0.00	0.00	1.00	-1.00
SLU-GEO-059	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.86	0.00	0.00	-1.00	1.00
SLU-GEO-060	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.86	0.00	0.00	-1.00	-1.00
SLU-GEO-061	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLU-GEO-062	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00

	G1													G3	Q1	Q2		Q3				Q4				3	
	PROPRI	PERSUP	PERINF	SPT-SX	SPTKa-SX	SPTd-SX	SPTKad-SX	SPT-DX	SPTKa-DX	SPTd-DX	SPTKad-DX	SPW-SX	SPW-DX	IDRO	ACCINF	ACCSUP	FREN	SPA-SX	SPAKa-SX	SPAd-SX	SPAKad-SX	SPA-DX	SPAKa-DX	SPAd-DX	SPAKad-DX	TEMPUNI	TEMPVAR
SLU-GEO-063	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-064	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-065	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.86	0.00	0.00	1.00	1.00
SLU-GEO-066	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.86	0.00	0.00	1.00	-1.00
SLU-GEO-067	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.86	0.00	0.00	-1.00	1.00
SLU-GEO-068	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.86	0.00	0.00	-1.00	-1.00
SLU-GEO-069	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLU-GEO-070	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-071	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-072	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-073	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLU-GEO-074	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-075	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-076	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-077	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLU-GEO-078	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-079	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-080	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-081	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.43	0.00	0.00	1.00	1.00
SLU-GEO-082	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.43	0.00	0.00	1.00	-1.00
SLU-GEO-083	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.43	0.00	0.00	-1.00	1.00
SLU-GEO-084	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.43	0.00	0.00	-1.00	-1.00
SLU-GEO-085	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLU-GEO-086	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-087	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-088	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	0.86	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-089	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.43	0.00	0.00	1.00	1.00
SLU-GEO-090	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.43	0.00	0.00	1.00	-1.00
SLU-GEO-091	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.43	0.00	0.00	-1.00	1.00
SLU-GEO-092	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.43	0.00	0.00	-1.00	-1.00
SLU-GEO-093	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SLU-GEO-094	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-1.00
SLU-GEO-095	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	1.00
SLU-GEO-096	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	0.86	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00
SLU-GEO-097	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	1.15	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.60	0.60
SLU-GEO-098	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	1.15	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.60	-0.60
SLU-GEO-099	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	1.15	0.00	0.00	0.00	1.15	0.00	0.00	0.00	-0.60	0.60
SLU-GEO-100	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	1.15	0.00	0.00	0.00	1.15	0.00	0.00	0.00	-0.60	-0.60
SLU-GEO-101	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLU-GEO-102	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLU-GEO-103	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLU-GEO-104	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLU-GEO-105	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	1.15	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.60	0.60
SLU-GEO-106	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	1.15	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.60	-0.60
SLU-GEO-107	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	1.15	0.00	0.00	0.00	1.15	0.00	0.00	0.00	-0.60	0.60
SLU-GEO-108	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	1.15	0.00	0.00	0.00	1.15	0.00	0.00	0.00	-0.60	-0.60
SLU-GEO-109	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLU-GEO-110	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLU-GEO-111	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLU-GEO-112	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLU-GEO-113	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	1.15	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.60	0.60
SLU-GEO-114	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	1.15	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.60	-0.60
SLU-GEO-115	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	1.15	0.00	0.00	0.00	0.58	0.00	0.00	0.00	-0.60	0.60
SLU-GEO-116	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	1.15	0.00	0.00	0.00	0.58	0.00	0.00	0.00	-0.60	-0.60
SLU-GEO-117	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLU-GEO-118	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLU-GEO-119	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLU-GEO-120	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60

	G1													G3	Q1	Q2		Q3				Q4				3	
	PROPRI	PERSUP	PERINF	SPT-SX	SPTKa-SX	SPTd-SX	SPTKad-SX	SPT-DX	SPTKa-DX	SPTd-DX	SPTKad-DX	SPW-SX	SPW-DX	IDRO	ACCINF	ACCSUP	FREN	SPA-SX	SPAKa-SX	SPAd-SX	SPAKad-SX	SPA-DX	SPAKa-DX	SPAd-DX	SPAKad-DX	TEMPUNI	TEMPVAR
SLU-GEO-121	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	1.15	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.60	0.60
SLU-GEO-122	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	1.15	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.60	-0.60
SLU-GEO-123	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	1.15	0.00	0.00	0.00	0.58	0.00	0.00	0.00	-0.60	0.60
SLU-GEO-124	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	1.15	0.00	0.00	0.00	0.58	0.00	0.00	0.00	-0.60	-0.60
SLU-GEO-125	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLU-GEO-126	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLU-GEO-127	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLU-GEO-128	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLU-GEO-129	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	0.00	1.15	0.00	0.00	0.00	1.15	0.00	0.00	0.60	0.60
SLU-GEO-130	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	0.00	1.15	0.00	0.00	0.00	1.15	0.00	0.00	0.60	-0.60
SLU-GEO-131	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	0.00	1.15	0.00	0.00	0.00	1.15	0.00	0.00	-0.60	0.60
SLU-GEO-132	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	0.00	1.15	0.00	0.00	0.00	1.15	0.00	0.00	-0.60	-0.60
SLU-GEO-133	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLU-GEO-134	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLU-GEO-135	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLU-GEO-136	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLU-GEO-137	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00	0.00	0.00	1.15	0.00	0.00	0.60	0.60
SLU-GEO-138	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00	0.00	0.00	1.15	0.00	0.00	0.60	-0.60
SLU-GEO-139	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00	0.00	0.00	1.15	0.00	0.00	-0.60	0.60
SLU-GEO-140	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00	0.00	0.00	1.15	0.00	0.00	-0.60	-0.60
SLU-GEO-141	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLU-GEO-142	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLU-GEO-143	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLU-GEO-144	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLU-GEO-145	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.58	0.00	0.00	0.60	0.60
SLU-GEO-146	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.58	0.00	0.00	0.60	-0.60
SLU-GEO-147	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.58	0.00	0.00	-0.60	0.60
SLU-GEO-148	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.58	0.00	0.00	-0.60	-0.60
SLU-GEO-149	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLU-GEO-150	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLU-GEO-151	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLU-GEO-152	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	1.30	1.15	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60
SLU-GEO-153	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.58	0.00	0.00	0.60	0.60
SLU-GEO-154	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.58	0.00	0.00	0.60	-0.60
SLU-GEO-155	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.58	0.00	0.00	-0.60	0.60
SLU-GEO-156	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.58	0.00	0.00	-0.60	-0.60
SLU-GEO-157	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60
SLU-GEO-158	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.60	-0.60
SLU-GEO-159	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.60
SLU-GEO-160	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00	1.00	1.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	-0.60

	G1													G3	3		E1				E2				
	PROPRI	PERSUP	PERINF	SPT-SX	SPTKa-SX	SPTd-SX	SPTKad-SX	SPT-DX	SPTKa-DX	SPTd-DX	SPTKad-DX	SPW-SX	SPW-DX	IDRO	TEMPUNI	TEMPVAR	G1-SLD-X	G1-SLD-Z	G3-SLD-X	G3-SLD-Z	G1-SLV-X	G1d-SLV-X	G1-SLV-Z	G3-SLV-X	G3-SLV-Z
SLE-SIS-01	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.50	0.50	1.00	0.30	1.00	0.30	0.00	0.00	0.00	0.00	0.00
SLE-SIS-02	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.50	-0.50	1.00	0.30	1.00	0.30	0.00	0.00	0.00	0.00	0.00
SLE-SIS-03	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	-0.50	0.50	1.00	0.30	1.00	0.30	0.00	0.00	0.00	0.00	0.00
SLE-SIS-04	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	-0.50	-0.50	1.00	0.30	1.00	0.30	0.00	0.00	0.00	0.00	0.00
SLE-SIS-05	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.50	0.50	1.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SLE-SIS-06	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.50	-0.50	1.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SLE-SIS-07	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	-0.50	0.50	1.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SLE-SIS-08	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	-0.50	-0.50	1.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SLE-SIS-09	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.50	0.50	0.30	1.00	0.30	1.00	0.00	0.00	0.00	0.00	0.00
SLE-SIS-10	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.50	-0.50	0.30	1.00	0.30	1.00	0.00	0.00	0.00	0.00	0.00
SLE-SIS-11	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	-0.50	0.50	0.30	1.00	0.30	1.00	0.00	0.00	0.00	0.00	0.00
SLE-SIS-12	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	-0.50	-0.50	0.30	1.00	0.30	1.00	0.00	0.00	0.00	0.00	0.00
SLE-SIS-13	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.50	0.50	0.30	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SLE-SIS-14	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.50	-0.50	0.30	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SLE-SIS-15	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	-0.50	0.50	0.30	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SLE-SIS-16	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	-0.50	-0.50	0.30	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SLU-SIS-01	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.50	0.50	0.00	0.00	0.00	0.00	1.00	0.00	0.30	1.00	0.30
SLU-SIS-02	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.50	-0.50	0.00	0.00	0.00	0.00	1.00	0.00	0.30	1.00	0.30
SLU-SIS-03	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	-0.50	0.50	0.00	0.00	0.00	0.00	1.00	0.00	0.30	1.00	0.30
SLU-SIS-04	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	-0.50	-0.50	0.00	0.00	0.00	0.00	1.00	0.00	0.30	1.00	0.30
SLU-SIS-05	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.50	0.50	0.00	0.00	0.00	0.00	1.00	0.00	0.30	0.00	0.00
SLU-SIS-06	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.50	-0.50	0.00	0.00	0.00	0.00	1.00	0.00	0.30	0.00	0.00
SLU-SIS-07	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	-0.50	0.50	0.00	0.00	0.00	0.00	1.00	0.00	0.30	0.00	0.00
SLU-SIS-08	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	-0.50	-0.50	0.00	0.00	0.00	0.00	1.00	0.00	0.30	0.00	0.00
SLU-SIS-09	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.50	0.50	0.00	0.00	0.00	0.00	0.30	0.00	1.00	0.30	1.00
SLU-SIS-10	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	0.50	-0.50	0.00	0.00	0.00	0.00	0.30	0.00	1.00	0.30	1.00
SLU-SIS-11	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	-0.50	0.50	0.00	0.00	0.00	0.00	0.30	0.00	1.00	0.30	1.00
SLU-SIS-12	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	-0.50	-0.50	0.00	0.00	0.00	0.00	0.30	0.00	1.00	0.30	1.00
SLU-SIS-13	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.50	0.50	0.00	0.00	0.00	0.00	0.30	0.00	1.00	0.00	0.00
SLU-SIS-14	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.50	-0.50	0.00	0.00	0.00	0.00	0.30	0.00	1.00	0.00	0.00
SLU-SIS-15	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	-0.50	0.50	0.00	0.00	0.00	0.00	0.30	0.00	1.00	0.00	0.00
SLU-SIS-16	1.00	1.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	-0.50	-0.50	0.00	0.00	0.00	0.00	0.30	0.00	1.00	0.00	0.00
SLU-SIS-17	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	0.50	0.50	0.00	0.00	0.00	0.00	0.00	1.00	0.30	1.00	0.30
SLU-SIS-18	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	0.50	-0.50	0.00	0.00	0.00	0.00	0.00	1.00	0.30	1.00	0.30
SLU-SIS-19	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	-0.50	0.50	0.00	0.00	0.00	0.00	0.00	1.00	0.30	1.00	0.30
SLU-SIS-20	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	-0.50	-0.50	0.00	0.00	0.00	0.00	0.00	1.00	0.30	1.00	0.30
SLU-SIS-21	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	0.00	0.50	0.50	0.00	0.00	0.00	0.00	0.00	1.00	0.30	0.00	0.00
SLU-SIS-22	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	0.00	0.50	-0.50	0.00	0.00	0.00	0.00	0.00	1.00	0.30	0.00	0.00
SLU-SIS-23	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	0.00	-0.50	0.50	0.00	0.00	0.00	0.00	0.00	1.00	0.30	0.00	0.00
SLU-SIS-24	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	0.00	-0.50	-0.50	0.00	0.00	0.00	0.00	0.00	1.00	0.30	0.00	0.00
SLU-SIS-25	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.30	1.00	0.30	1.00
SLU-SIS-26	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	0.50	-0.50	0.00	0.00	0.00	0.00	0.00	0.30	1.00	0.30	1.00
SLU-SIS-27	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	-0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.30	1.00	0.30	1.00
SLU-SIS-28	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	-0.50	-0.50	0.00	0.00	0.00	0.00	0.00	0.30	1.00	0.30	1.00
SLU-SIS-29	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	0.00	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.30	1.00	0.00	0.00
SLU-SIS-30	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	0.00	0.50	-0.50	0.00	0.00	0.00	0.00	0.00	0.30	1.00	0.00	0.00
SLU-SIS-31	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	0.00	-0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.30	1.00	0.00	0.00
SLU-SIS-32	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	0.00	-0.50	-0.50	0.00	0.00	0.00	0.00	0.00	0.30	1.00	0.00	0.00

dove:

PROPRI	Peso proprio dello scatolare;
PERSUP	Carichi permanenti sulla soletta superiore;
PERINF	Carichi permanenti sulla soletta inferiore *(se presente)*;
SPT-SX	Spinte del terreno a riposo sul piedritto di sinistra;
SPTKa-SX	Spinte del terreno attive sul piedritto di sinistra;
SPTd-SX	Spinte del terreno a riposo sul piedritto di sinistra con angolo di attrito parzializzato;
SPTKad-SX	Spinte del terreno attive sul piedritto di sinistra con angolo di attrito parzializzato;
SPT-DX	Spinte del terreno a riposo sul piedritto di destra;
SPTKa-DX	Spinte del terreno attive sul piedritto di destra;
SPTd-DX	Spinte del terreno a riposo sul piedritto di destra con angolo di attrito parzializzato;
SPTKad-DX	Spinte del terreno attive sul piedritto di destra con angolo di attrito parzializzato;
SPW-SX	Spinta della falda freatica sul piedritto di sinistra (*se presente*);
SPW-DX	Spinta della falda freatica sul piedritto di sinistra (*se presente*);
IDRO	Carico idraulico interno allo scatolare *(se presente)*;
ACCINF	Carichi accidentali interni allo scatolare *(se presente)*;
ACCSUP	Carichi accidentali sulla soletta superiore;
FREN	Carichi da frenamento sulla soletta superiore;
SPA-SX	Spinte a riposo dovute ai sovraccarichi accidentali sul piedritto di sinistra;
SPAKa-SX	Spinte attive dovute ai sovraccarichi accidentali sul piedritto di sinistra;
SPAd-SX	Spinte a riposo dovute ai sovraccarichi accidentali sul piedritto di sinistra con angolo di attrito parzializzato;
SPAKad-SX	Spinte attive dovute ai sovraccarichi accidentali sul piedritto di sinistra con angolo di attrito parzializzato;
SPA-DX	Spinte a riposo dovute ai sovraccarichi accidentali sul piedritto di destra;
SPAKa-DX	Spinte attive dovute ai sovraccarichi accidentali sul piedritto di destra;
SPAd-DX	Spinte a riposo dovute ai sovraccarichi accidentali sul piedritto di destra con angolo di attrito parzializzato;
SPAKad-DX	Spinte attive dovute ai sovraccarichi accidentali sul piedritto di destra con angolo di attrito parzializzato;
TEMPUNI	Carico termico uniformi sulla soletta;

TEMPVAR	Gradiente termico sulla soletta;
G1-SLD-X	Azioni sismiche orizzontali dei carchi tipo G1 a Stato Limite di Danno;
G1-SLD-Z	Azioni sismiche verticali dei carchi tipo G1 a Stato Limite di Danno;
G3-SLD-X	Azioni sismiche orizzontali dei carchi tipo G3 a Stato Limite di Danno;
G3-SLD-Z	Azioni sismiche verticali dei carchi tipo G3 a Stato Limite di Danno;
G1-SLV-X	Azioni sismiche orizzontali dei carchi tipo G1 a Stato Limite di salvaguardia della Vita;
G1-SLV-Z	Azioni sismiche verticali dei carchi tipo G1 a Stato Limite di salvaguardia della Vita;
G3-SLV-X	Azioni sismiche orizzontali dei carchi tipo G3 a Stato Limite di salvaguardia della Vita;
G3-SLV-Z	Azioni sismiche verticali dei carchi tipo G3 a Stato Limite di salvaguardia della Vita.

8.4 VERIFICHE DI RESISTENZA DELLA SOLETTA

Nel presente capitolo vengono eseguite le verifiche strutturali della soletta superiore; si utilizza nelle verifiche una sezione rettangolare 100cm ◘ 40cm.

La sezione risulta armata come segue:

- Intradosso: ◘ 22 / 20 cm (ripartitori esterni: ◘ 10 / 20 cm)
- Estradosso: ◘ 18 / 20 cm (ripartitori esterni: ◘ 10 / 20 cm)

In base all'analisi effettuata con il software di calcolo ***SAP2000 Advanced***, si ricavano le seguenti sollecitazioni di verifica:

SOLLECITAZIONI A STATO LIMITE DI ESERCIZIO						
Asta	**Comb.**	**Dist. [m]**	**N [kN]**	**V [kN]**	**M [kNm]**	**Note**
2	**SLE-CAR-151 MAX**	0.836	-16.84	-6.50	66.37	*Momento massimo*
2	**SLE-CAR-126 MAX**	2.300	-88.66	202.78	-97.51	*Momento minimo*

SOLLECITAZIONI A STATO LIMITE DI FESSURAZIONE						
Asta	**Comb.**	**Dist. [m]**	**N [kN]**	**V [kN]**	**M [kNm]**	**Note**
2	**FESS-QP-27 MAX**	1.045	-21.68	-6.29	52.21	*Momento massimo (comb. QP)*
2	**FESS-QP-14 MAX**	2.300	-50.70	146.13	-52.79	*Momento minimo (comb. QP)*
2	**FESS-FR-87 MAX**	1.045	-24.65	-6.49	58.53	*Momento massimo (comb. FR)*
2	**FESS-FR-62 MAX**	2.300	-54.89	166.65	-59.91	*Momento minimo (comb. FR)*

SOLLECITAZIONI A STATO LIMITE ULTIMO						
Asta	**Comb.**	**Dist. [m]**	**N [kN]**	**V [kN]**	**M [kNm]**	**Note**
2	**SLU-STR-151 MAX**	0.836	-22.40	-8.78	88.92	*Momento massimo*
2	**SLU-STR-126 MAX**	2.300	-119.05	273.75	-130.68	*Momento minimo*
2	**SLU-STR-127 MAX**	2.300	-108.90	273.75	-115.51	*Taglio massimo*

8.4.1 VERIFICHE A STATO LIMITE DI ESERCIZIO

Tutte le condizioni di carico vengono utilizzate per le verifiche a Stato Limite di Esercizio, mentre per le verifiche a Stato Limite di Fessurazione vengono utilizzate le sole condizioni di carico 3-4 (combinazioni Frequenti) e 5-6 (combinazioni Quasi Permanenti).

```
Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    30.0   b3   100.0

Descrizione dell'armatura normale

5 ø18 mm posizionati a     5.9 cm da intradosso
5 ø22 mm posizionati a    23.9 cm da intradosso

Area armatura normale = 3173.0 (mm²)     a    16.7 cm da intrad.

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Coefficiente d'omogeneizzazione dell'armatura =15

Condizione di carico 1

Momento        =      66.4(KN.m)
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -7.38(N/mm²)
Trazione massima nell'acciaio           =  246.32(N/mm²)
Distanza asse neutro da lembo compresso =    7.5 (cm)
Braccio di leva interno           =   21.1 (cm)

Condizione di carico 2

Momento        =     -97.5(KN.m)
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -9.50(N/mm²)
Trazione massima nell'acciaio           =  248.90(N/mm²)
Distanza asse neutro da lembo compresso =    8.7 (cm)
Braccio di leva interno           =   20.7 (cm)

Condizione di carico 3

Momento        =      58.5(KN.m)
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -6.51(N/mm²)
Trazione massima nell'acciaio           =  217.22(N/mm²)
Distanza asse neutro da lembo compresso =    7.5 (cm)
Braccio di leva interno           =   21.1 (cm)

Condizione di carico 4

Momento        =     -59.9(KN.m)
Sforzo normale =       0.0(KN)
```

```
Compressione massima nel calcestruzzo   =   -5.84(N/mm²)
Trazione massima nell'acciaio           =  152.92(N/mm²)
Distanza asse neutro da lembo compresso =    8.7 (cm)
Braccio di leva interno           =   20.7 (cm)
```

Condizione di carico 5

```
Momento        =      52.2(KN.m)
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -5.80(N/mm²)
Trazione massima nell'acciaio           =  193.77(N/mm²)
Distanza asse neutro da lembo compresso =    7.5 (cm)
Braccio di leva interno           =   21.1 (cm)
```

Condizione di carico 6

```
Momento        =     -52.8(KN.m)
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -5.14(N/mm²)
Trazione massima nell'acciaio           =  134.75(N/mm²)
Distanza asse neutro da lembo compresso =    8.7 (cm)
Braccio di leva interno           =   20.7 (cm)
```

Le tensioni nell’acciaio e nel calcestruzzo risultano inferiori alle tensioni limite da normativa.

8.4.2 VERIFICHE A STATO LIMITE DI FESSURAZIONE

8.4.2.1 COMBINAZIONI QUASI PERMANENTI

Momento positivo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    30.0   b3   100.0

Descrizione dell'armatura normale

5 ø18 mm posizionati a     5.9 cm da intradosso
5 ø22 mm posizionati a    23.9 cm da intradosso

Area armatura normale = 3173.0 (mm²)     a    16.7 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'intradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  18.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (f_ctm) =  31.5  kg/cm^2
Momento di prima fessurazione (□  = 0.7 · 1.2·f_ctm) =  45.71 (KN.m)
Momento di fessurazione (□  = f_ctm)            =  54.41 (KN.m)

Stadio non fessurato
Coefficiente di omogeneizzazione   =  15
Distanza asse neutro da lembo teso =  15.2 cm
Altezza del tirante ideale         =  15.2 cm
Densità d'armatura del tirante ideale =  0.835 %

Stadio fessurato
Coefficiente di omogeneizzazione   =  15
Distanza media fra due fessure attigue S_m =  24.8 cm
Momento di fessurazione; Trazione acciaio =   201.9 (N/mm²)
Coeff. K_3 ( =[0.25·(□_1+□_2) / (2· □_1)] )     =  0.125
Trazione nell'acciaio per il calcolo della fessura =    193.8 (N/mm²)
Ampiezza della fessura (w = 1.7 · S_m · □_sm / E_s)     = 0.1036 - 0.1184 mm
```

Il valore dell'ampiezza teorica delle fessure risulta inferiore al valore limite da normativa (0.2 mm); la verifica è pertanto soddisfatta.

Momento negativo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    30.0   b3   100.0

Descrizione dell'armatura normale

5 ø18 mm posizionati a     5.9 cm da intradosso
5 ø22 mm posizionati a    23.9 cm da intradosso

Area armatura normale = 3173.0 (mm²)     a    16.7 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'estradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  22.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (f_ctm) =  31.5  kg/cm^2
Momento di prima fessurazione (□  = 0.7 · 1.2·f_ctm) =  47.13 (KN.m)
Momento di fessurazione (□  = f_ctm)            = -56.11 (KN.m)

Stadio non fessurato
Coefficiente di omogeneizzazione   =  15
Distanza asse neutro da lembo teso =  14.8 cm
Altezza del tirante ideale         =  14.8 cm
Densità d'armatura del tirante ideale =  1.287 %

Stadio fessurato
Coefficiente di omogeneizzazione   =  15
Distanza media fra due fessure attigue S_m =  22.5 cm
Momento di fessurazione; Trazione acciaio =   143.2 (N/mm²)
Coeff. K_3 ( =[0.25·(□_1+□_2) / (2· □_1)] )     =  0.125
Trazione nell'acciaio per il calcolo della fessura =    134.8 (N/mm²)
Ampiezza della fessura (w = 1.7 · S_m · □_sm / E_s)     = 0.0656 - 0.0714 mm
```

Il valore dell'ampiezza teorica delle fessure risulta inferiore al valore limite da normativa (0.2 mm); la verifica è pertanto soddisfatta.

8.4.2.2 COMBINAZIONI FREQUENTI

Momento positivo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    30.0   b3   100.0

Descrizione dell'armatura normale

5 ø18 mm posizionati a     5.9 cm da intradosso
5 ø22 mm posizionati a    23.9 cm da intradosso

Area armatura normale = 3173.0 (mm²)     a    16.7 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'intradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  18.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm-1
Trazione calcestruzzo di fessurazione (fctm) =  31.5  kg/cm2
Momento di prima fessurazione (□  = 0.7 · 1.2·fctm) =  45.71 (KN.m)
Momento di fessurazione (□  = fctm)            =  54.41 (KN.m)

Stadio non fessurato
Coefficiente di omogeneizzazione   =  15
Distanza asse neutro da lembo teso =  15.2 cm
Altezza del tirante ideale         =  15.2 cm
Densità d'armatura del tirante ideale =  0.835 %

Stadio fessurato
Coefficiente di omogeneizzazione   =  15
Distanza media fra due fessure attigue Sm =  24.8 cm
Momento di fessurazione; Trazione acciaio =   201.9 (N/mm²)
Coeff. K3 ( =[0.25·(□1+□2) / (2· □1)] )      =  0.125
Trazione nell'acciaio per il calcolo della fessura =    217.2 (N/mm²)
Ampiezza della fessura (w = 1.7 · Sm · □sm / Es)     = 0.1162 - 0.1649 mm
```

Il valore dell'ampiezza teorica delle fessure risulta inferiore al valore limite da normativa (0.3 mm); la verifica è pertanto soddisfatta.

Momento negativo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    30.0   b3   100.0

Descrizione dell'armatura normale

5 ø18 mm posizionati a     5.9 cm da intradosso
5 ø22 mm posizionati a    23.9 cm da intradosso

Area armatura normale = 3173.0 (mm²)     a    16.7 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'estradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  22.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (f_ctm) =  31.5  kg/cm^2
Momento di prima fessurazione (□  = 0.7 · 1.2·f_ctm) =  47.13 (KN.m)
Momento di fessurazione (□  = f_ctm)            = -56.11 (KN.m)

Stadio non fessurato
Coefficiente di omogeneizzazione   =  15
Distanza asse neutro da lembo teso =  14.8 cm
Altezza del tirante ideale         =  14.8 cm
Densità d'armatura del tirante ideale =  1.287 %

Stadio fessurato
Coefficiente di omogeneizzazione   =  15
Distanza media fra due fessure attigue S_m =  22.5 cm
Momento di fessurazione; Trazione acciaio =   143.2 (N/mm²)
Coeff. K_3 ( =[0.25·(□_1+□_2) / (2· □_1)] )     =  0.125
Trazione nell'acciaio per il calcolo della fessura =    152.9 (N/mm²)
Ampiezza della fessura (w = 1.7 · S_m · □_sm / E_s)     = 0.0744 - 0.1044 mm
```

Il valore dell'ampiezza teorica delle fessure risulta inferiore al valore limite da normativa (0.3 mm); la verifica è pertanto soddisfatta.

8.4.3 VERIFICHE A STATO LIMITE ULTIMO

8.4.3.1 FLESSIONE

```
METODO SEMIPROBABILISTICO - VERIFICA A ROTTURA

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    30.0   b3   100.0

Descrizione dell'armatura normale

5 ø18 mm posizionati a     5.9 cm da intradosso
5 ø22 mm posizionati a    23.9 cm da intradosso

Area armatura normale = 3173.0 (mm²)     a    16.7 cm da intrad.

Caratteristiche Fisico-Elastiche dei materiali

Modulo Elastico acciaio normale          =  210000.0(N/mm²)
Modulo Elastico calcestruzzo             =   36000.0(N/mm²)
Resistenza cubica del calcestruzzo:  Rck  =   40.00(N/mm²)
Resistenza cubica iniziale (alla tesatura):Rckj  =   32.00(N/mm²)
Soglia di snervamento acciaio normale: Fyk       =  440.00(N/mm²)

Ipotesi di calcolo

Legge costitutiva del calcestruzzo :      Parabola Rettangolo
Accorciamento ultimo a flessione = 0.3500 %
Accorciamento ultimo a compress. = 0.2000 %
Legge costitutiva dell'acciaio normale :  Bilineare
Allungamento ultimo acciaio normale =  0.675 %
Coefficiente di sicurezza calcestruzzo : γc = 1.500
Coefficiente di sicurezza acciaio : γs = 1.150
Termine di lunga durata : F1 = 0.850
Rapporto Rcyl/Rcubo: F2 = 0.830
Resistenza di progetto calcestruzzo : F1·F2·Rcubo/γc = 0.47Rcubo
Resistenza di progetto dell'acciaio : Fsd = Fyk/γs = 0.87Fyk

Resistenze di progetto

Calcestruzzo             =   18.81(N/mm²)
Acciaio normale          =  382.61(N/mm²)

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Condizione di carico 1

Momento di Progetto Md  =      88.9(KN.m)
Sforzo di Progetto  Nd  =       0.0(KN)

Distanza asse neutro da lembo compresso =    5.2 (cm)
Momento di Rottura  Mr  =     113.4(KN.m)
Sforzo di Rottura   Nr  =       1.7(KN)
Rottura nel Dominio  2
Rapporto Mr/Md  =  1.275
```

Condizione di carico 2

Momento di Progetto M_d = -130.7(KN.m)
Sforzo di Progetto N_d = 0.0(KN)

Distanza asse neutro da lembo compresso = 5.7 (cm)
Momento di Rottura M_r = -158.4(KN.m)
Sforzo di Rottura N_r = 1.2(KN)
Rottura nel Dominio 2
Rapporto M_r/M_d = 1.212

8.4.3.2 TAGLIO

Verifiche senza armatura trasversale resistente a taglio

Con riferimento al paragrafo 4.1.2.1.3.1 del D.M. 14/01/2008, la resistenza alle sollecitazioni taglianti di elementi sprovvisti di apposita armatura a taglio è valutata con la seguente espressione:

$$V_{Rd} \quad [0.18 \;\; k \;\; (100 \quad {}_1 \;\; f_{ck})^{1/3} / \;\; {}_c \quad 0.15 \quad {}_{cp}] \;\; b_w \;\; d \quad (v_{min} \quad 0.15 \quad {}_{cp}) \;\; b_w \;\; d$$

con:

$$k \quad 1 \quad (200 / d)^{1/2} \quad 2$$

$$v_{min} \quad 0.035 \;\; k^{3/2} \;\; f_{ck}^{3/2}$$

dove: d = altezza utile della sezione (in mm);

$\square_1 = A_{sl} / (b_w \square d)$ = rapporto geometrico di armatura longitudinale ($\square$ 0.02);

$\square_{cp} = N_{Ed} / A_c$ = tensione media di compressione nella sezione ($\square$ 0.2$\square$ f_{cd});

b_w = larghezza minima della sezione (in mm).

Di seguito viene presentata la tabella di verifica della sezione.

Caratteristiche dei materiali:

Resistenza caratteristica a compressione cubica cls	R_{ck}	=	**40**	N/mm^2
Resistenza caratteristica a compressione cilindrica cls	f_{ck}	=	33	N/mm^2
Resistenza di calcolo a compressone del cls	f_{cd}	=	18.81	N/mm^2
Resistenza di calcolo a trazione dell'acciaio	F_{yd}	=	391.30	N/mm^2

Sollecitazioni di verifica (S.L.U.):

Valore di calcolo dello sforzo di taglio agente	V_{Ed}	=	**273.75**	kN
Valore di calcolo della forza assiale associata a V_{Ed}	N (V_{Ed})	=	**0.00**	kN
Valore di calcolo del momento flettente associato a V_{Ed}	M (V_{Ed})	=	**0.00**	kNm

Caratteristiche geometriche della sezione:

Altezza utile della sezione	d	=	**239**	mm
Larghezza minima della sezione	b_w	=	**1000**	mm

Armatura della sezione in zona tesa:

Diametro ferri longitudinali	$\square$	=	**22**	mm
Numero tondini longitudinali utilizzati	n°	=	**5**	-
Area totale di armatura longitudinale in zona tesa	A_{sl}	=	1900	mm^2
Rapporto geometrico dell'armatura longitud. (≤ 0.02)	$\square_l$	=	0.0079	-

Calcolo del taglio resistente:

Fattore dipendente dall'altezza utile della sezione (≤ 2)	k	=	1.91	-
Tensione dipendente dal fattore k e dalla resist. del cls	v_{min}	=	0.53	N/mm^2
Tensione media di compress. nella sezione (≤ 0.2f_{cd})	σ_{cp}	=	0.00	N/mm^2
Resistenza ultima a taglio minima	$V_{Rd,min}$	=	127.71	kN
Resistenza ultima a taglio ($V_{Rd} \geq V_{Rd,min}$)	V_{Rd}	=	**163.50**	kN

Poichè il taglio sollecitante (V_{Sd}) risulta maggiore del taglio resistente (V_{Rd}), la sezione deve essere armata a taglio.

<u>Verifiche con armatura trasversale resistente a taglio</u>

Con riferimento al paragrafo 4.1.2.1.3.1 del D.M. 14/01/2008, la resistenza alle sollecitazioni taglianti di elementi provvisti di apposita armatura a taglio è valutata con la seguente espressione:

$$V_{Rd} = \min[V_{Rsd}, V_{Rcd}]$$

con: V_{Rsd} = resistenza di calcolo a "taglio trazione" dell'armatura trasversale:

$$V_{Rsd} = 0.9 \cdot d \cdot \frac{A_{sw}}{s} \cdot f_{yd} \cdot [ctg(\alpha) + ctg(\theta)] \cdot sen(\alpha)$$

V_{Rcd} = resistenza di calcolo a "taglio compressione" del calcestruzzo d'anima:

$$V_{Rcd} = 0.9 \cdot d \cdot b_w \cdot \alpha_c \cdot f'_{cd} \cdot [ctg(\alpha) + ctg(\theta)]/[1 + ctg^2(\theta)]$$

dove:

- d = altezza utile della sezione (in mm);
- $\sigma_{cp} = N_{Ed} / A_c$ = tensione media di compressione nella sezione;
- b_w = larghezza minima della sezione (in mm);
- A_{sw} = area dell'armatura trasversale (in mm^2);
- s = interasse tra due armature trasversali consecutive (in mm);
- α = angolo d'inclinazione dell'armatura trasversale rispetto all'asse dell'elemento;
- f'_{cd} = resistenza a compressione ridotta del cls d'anima ($f'_{cd} = 0.5 \cdot f_{cd}$);
- α_c = coefficiente maggiorativo pari a:
  - 1 per membrature compr.;
  - $1+ \sigma_{cp}/f_{cd}$ per $0 \leq \sigma_{cp} < 0.25f_{cd}$
  - 1.25 per $0.25f_{cd} \leq \sigma_{cp} \leq 0.5f_{cd}$
  - $2.5(1- \sigma_{cp}/f_{cd})$ per $0.5f_{cd} < \sigma_{cp} < f_{cd}$

Di seguito viene presentata la tabella di verifica della sezione.

Caratteristiche dei materiali:

Resistenza caratteristica a compressione cubica cls	R_{ck}	=	**40**	N/mm^2
Resistenza caratteristica a compressione cilindrica cls	f_{ck}	=	33	N/mm^2
Resistenza di calcolo a compressone del cls	f_{cd}	=	18.81	N/mm^2
Resistenza di calcolo a trazione dell'acciaio	F_{yd}	=	391.30	N/mm^2

Sollecitazioni di verifica (S.L.U.):

Valore di calcolo dello sforzo di taglio agente	V_{Ed}	=	**273.75**	kN
Valore di calcolo della forza assiale associata a V_{Ed}	N (V_{Ed})	=	**0.00**	kN
Valore di calcolo del momento flettente associato a V_{Ed}	M (V_{Ed})	=	**0.00**	kNm

Caratteristiche geometriche della sezione:

Altezza utile della sezione	d	=	**239**	mm
Larghezza minima della sezione	b_w	=	**1000**	mm

Armatura della sezione in zona tesa:

Diametro ferri longitudinali	¤	=	**22**	mm
Numero tondini longitudinali utilizzati	n°	=	**5**	-
Area totale di armatura longitudinale in zona tesa	A_{sl}	=	1900	mm^2
Rapporto geometrico dell'armatura longitud. (≤ 0.02)	$¤_l$	=	0.0079	-

Armatura aggiuntiva resistente a taglio:

Angolo d'inclinaz. armatura trasv. su asse dell'elemento	¤	=	**45**	°
Diametro ferri a taglio	$¤_{sw}$	=	**12**	mm
Numero dei bracci in sezione trasversale	$n°_{sw}$	=	**5**	-
Passo in direzione asse elemento	s	=	**200**	mm
Area totale di armatura a taglio	A_{sw}	=	565	mm^2

Fattori di resistenza a compressione:

Angolo di inclinazione dei puntoni di cls	¤	=	**45**	°
Resistenza a compressione ridotta del cls d'anima	f'_{cd}	=	9.41	N/mm^2
Tensione media di compressione nella sezione	$¤_{cp}$	=	0.00	N/mm^2
Coefficiente maggiorativo per membrature compresse	$¤_c$	=	1.00	-

Calcolo del taglio resistente:

Resistenza di calcolo a "taglio trazione" dell'armatura	V_{Rsd}	=	336.27	kN
Resistenza di calcolo a "taglio compressione" del cls	V_{Rcd}	=	2023.37	kN
Resistenza ultima a taglio	V_{Rd}	=	**336.27**	kN

Utilizzando ferri piegati a 45° ◘ 12/20/20cm, il taglio resistente (V_{Rd}) risulta maggiore del taglio sollecitante (V_{Sd}): la verifica è pertanto soddisfatta.

8.5 VERIFICHE DI RESISTENZA DELLA CONTROSOLETTA

Nel presente capitolo vengono eseguite le verifiche strutturali della soletta superiore; si utilizza nelle verifiche una sezione rettangolare 100cm ◘ 40cm.

La sezione risulta armata come segue:

- ◘ Intradosso: ◘ 20 / 20 cm (ripartitori esterni: ◘ 10 / 20 cm)
- ◘ Estradosso: ◘ 20 / 20 cm (ripartitori esterni: ◘ 10 / 20 cm)

In base all'analisi effettuata con il software di calcolo ***SAP2000 Advanced***, si ricavano le seguenti sollecitazioni di verifica:

SOLLECITAZIONI A STATO LIMITE DI ESERCIZIO						
Asta	**Comb.**	**Dist. [m]**	**N [kN]**	**V [kN]**	**M [kNm]**	**Note**
4	**SLE-CAR-127 MAX**	0.000	-122.60	135.86	100.83	*Momento massimo*
12	**SLE-CAR-118 MAX**	0.209	1.39	11.40	-107.08	*Momento minimo*

SOLLECITAZIONI A STATO LIMITE DI FESSURAZIONE						
Asta	**Comb.**	**Dist. [m]**	**N [kN]**	**V [kN]**	**M [kNm]**	**Note**
4	**FESS-QP-15 MAX**	0.000	-80.55	144.05	54.63	*Momento massimo (comb. QP)*
10	**FESS-QP-26 MAX**	0.209	-7.16	11.30	-73.10	*Momento minimo (comb. QP)*
4	**FESS-FR-63 MAX**	0.000	-89.73	159.87	62.42	*Momento massimo (comb. FR)*
11	**FESS-FR-86 MAX**	0.000	-3.70	-24.11	-82.11	*Momento minimo (comb. FR)*

SOLLECITAZIONI A STATO LIMITE ULTIMO						
Asta	**Comb.**	**Dist. [m]**	**N [kN]**	**V [kN]**	**M [kNm]**	**Note**
Asta	**Comb.**	**dist. [m]**	**N [kN]**	**V [kN]**	**M [kNm]**	**Note**
4	**SLU-STR-127 MAX**	0.000	-164.88	183.40	135.58	*Momento massimo*
12	**SLU-STR-118 MAX**	0.209	3.24	15.38	-144.58	*Momento minimo*

8.5.1 VERIFICHE A STATO LIMITE DI ESERCIZIO

Tutte le condizioni di carico vengono utilizzate per le verifiche a Stato Limite di Esercizio, mentre per le verifiche a Stato Limite di Fessurazione vengono utilizzate le sole condizioni di carico 3-4 (combinazioni Frequenti) e 5-6 (combinazioni Quasi Permanenti).

```
Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø20 mm posizionati a     6.0 cm da intradosso
5 ø20 mm posizionati a    34.0 cm da intradosso

Area armatura normale = 3141.6 (mm²)     a    20.0 cm da intrad.

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Coefficiente d'omogeneizzazione dell'armatura =15

Condizione di carico 1

Momento        =     100.8(KN.m)
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -5.72(N/mm²)
Trazione massima nell'acciaio           =  211.82(N/mm²)
Distanza asse neutro da lembo compresso =    9.8 (cm)
Braccio di leva interno           =   30.3 (cm)

Condizione di carico 2

Momento        =    -107.1(KN.m)
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -6.08(N/mm²)
Trazione massima nell'acciaio           =  224.95(N/mm²)
Distanza asse neutro da lembo compresso =    9.8 (cm)
Braccio di leva interno           =   30.3 (cm)

Condizione di carico 3

Momento        =      62.4(KN.m)
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -3.54(N/mm²)
Trazione massima nell'acciaio           =  131.13(N/mm²)
Distanza asse neutro da lembo compresso =    9.8 (cm)
Braccio di leva interno           =   30.3 (cm)

Condizione di carico 4

Momento        =     -82.1(KN.m)
Sforzo normale =       0.0(KN)
```

```
Compressione massima nel calcestruzzo   =   -4.66(N/mm²)
Trazione massima nell'acciaio           =  172.49(N/mm²)
Distanza asse neutro da lembo compresso =    9.8 (cm)
Braccio di leva interno           =   30.3 (cm)
```

Condizione di carico 5

```
Momento        =      54.6(KN.m)
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -3.10(N/mm²)
Trazione massima nell'acciaio           =  114.76(N/mm²)
Distanza asse neutro da lembo compresso =    9.8 (cm)
Braccio di leva interno           =   30.3 (cm)
```

Condizione di carico 6

```
Momento        =     -73.1(KN.m)
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -4.15(N/mm²)
Trazione massima nell'acciaio           =  153.56(N/mm²)
Distanza asse neutro da lembo compresso =    9.8 (cm)
Braccio di leva interno           =   30.3 (cm)
```

Le tensioni nell’acciaio e nel calcestruzzo risultano inferiori alle tensioni limite da normativa.

8.5.2 VERIFICHE A STATO LIMITE DI FESSURAZIONE

8.5.2.1 COMBINAZIONI QUASI PERMANENTI

Momento positivo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø20 mm posizionati a     6.0 cm da intradosso
5 ø20 mm posizionati a    34.0 cm da intradosso

Area armatura normale = 3141.6 (mm²)     a    20.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'intradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  20.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (fctm) =  31.5  kg/cm²
Momento di prima fessurazione (◘  = 0.7 · 1.2·fctm) =  82.75 (KN.m)
Momento di fessurazione (◘  = fctm)            =  98.51 (KN.m)
```

La verifica a fessurazione perde di significato poichè il momento di 1° fessurazione risulta superiore al momento sollecitante.

Momento negativo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø20 mm posizionati a     6.0 cm da intradosso
5 ø20 mm posizionati a    34.0 cm da intradosso

Area armatura normale = 3141.6 (mm²)     a    20.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'estradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  20.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (f_ctm) =  31.5  kg/cm^2
Momento di prima fessurazione (□  = 0.7 · 1.2·f_ctm) =  82.75 (KN.m)
Momento di fessurazione (□  = f_ctm)            = -98.51 (KN.m)
```

La verifica a fessurazione perde di significato poichè il momento di 1° fessurazione risulta superiore al momento sollecitante.

8.5.2.2 COMBINAZIONI FREQUENTI

Momento positivo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø20 mm posizionati a     6.0 cm da intradosso
5 ø20 mm posizionati a    34.0 cm da intradosso

Area armatura normale = 3141.6 (mm²)     a    20.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'intradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  20.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (f_ctm) =  31.5  kg/cm^2
Momento di prima fessurazione (□  = 0.7 · 1.2·f_ctm) =  82.75 (KN.m)
Momento di fessurazione (□  = f_ctm)            =  98.51 (KN.m)
```

La verifica a fessurazione perde di significato poichè il momento di 1° fessurazione risulta superiore al momento sollecitante.

Momento negativo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø20 mm posizionati a     6.0 cm da intradosso
5 ø20 mm posizionati a    34.0 cm da intradosso

Area armatura normale = 3141.6 (mm²)     a    20.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'estradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  20.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (f_ctm) =  31.5  kg/cm^2
Momento di prima fessurazione (□  = 0.7 · 1.2·f_ctm) =  82.75 (KN.m)
Momento di fessurazione (□  = f_ctm)            = -98.51 (KN.m)

Stadio non fessurato
Coefficiente di omogeneizzazione   =  15
Distanza asse neutro da lembo teso =  20.0 cm
Altezza del tirante ideale         =  20.0 cm
Densità d'armatura del tirante ideale =  0.785 %

Stadio fessurato
Coefficiente di omogeneizzazione   =  15
Distanza media fra due fessure attigue S_m =  26.7 cm
Momento di fessurazione; Trazione acciaio =   206.9 (N/mm²)
Coeff. K_3 ( =[0.25·(□_1+□_2) / (2· □_1)] )     =  0.125
Trazione nell'acciaio per il calcolo della fessura =    172.5 (N/mm²)
Ampiezza della fessura (w = 1.7 · S_m · □_sm / E_s)     = 0.0995 - 0.0995 mm
```

La verifica a fessurazione perde di significato poichè il momento di 1° fessurazione risulta superiore al momento sollecitante.

8.5.3 VERIFICHE A STATO LIMITE ULTIMO

8.5.3.1 FLESSIONE

```
METODO SEMIPROBABILISTICO - VERIFICA A ROTTURA

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø20 mm posizionati a     6.0 cm da intradosso
5 ø20 mm posizionati a    34.0 cm da intradosso

Area armatura normale = 3141.6 (mm²)     a    20.0 cm da intrad.

Caratteristiche Fisico-Elastiche dei materiali

Modulo Elastico acciaio normale          =  210000.0(N/mm²)
Modulo Elastico calcestruzzo             =   36000.0(N/mm²)
Resistenza cubica del calcestruzzo:  Rck  =   40.00(N/mm²)
Resistenza cubica iniziale (alla tesatura):Rckj  =   32.00(N/mm²)
Soglia di snervamento acciaio normale: Fyk       =  440.00(N/mm²)

Ipotesi di calcolo

Legge costitutiva del calcestruzzo :      Parabola Rettangolo
Accorciamento ultimo a flessione = 0.3500 %
Accorciamento ultimo a compress. = 0.2000 %
Legge costitutiva dell'acciaio normale :  Bilineare
Allungamento ultimo acciaio normale =  0.675 %
Coefficiente di sicurezza calcestruzzo : γc = 1.500
Coefficiente di sicurezza acciaio : γs = 1.150
Termine di lunga durata : F1 = 0.850
Rapporto Rcyl/Rcubo: F2 = 0.830
Resistenza di progetto calcestruzzo : F1·F2·Rcubo/γc = 0.47Rcubo
Resistenza di progetto dell'acciaio : Fsd = Fyk/γs = 0.87Fyk

Resistenze di progetto

Calcestruzzo             =   18.81(N/mm²)
Acciaio normale          =  382.61(N/mm²)

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Condizione di carico 1

Momento di Progetto Md  =     135.6(KN.m)
Sforzo di Progetto  Nd  =       0.0(KN)

Distanza asse neutro da lembo compresso =    5.9 (cm)
Momento di Rottura  Mr  =     192.2(KN.m)
Sforzo di Rottura   Nr  =      -2.8(KN)
Rottura nel Dominio  2
Rapporto Mr/Md  =  1.417
```

```
Condizione di carico 2

Momento di Progetto Md  =    -144.6(KN.m)
Sforzo di Progetto  Nd  =       0.0(KN)

Distanza asse neutro da lembo compresso =    5.9 (cm)
Momento di Rottura  Mr  =    -192.2(KN.m)
Sforzo di Rottura   Nr  =      -2.8(KN)
Rottura nel Dominio  2
Rapporto Mr/Md  =  1.329
```

8.5.3.2 TAGLIO

Verifiche senza armatura trasversale resistente a taglio

Con riferimento al paragrafo 4.1.2.1.3.1 del D.M. 14/01/2008, la resistenza alle sollecitazioni taglianti di elementi sprovvisti di apposita armatura a taglio è valutata con la seguente espressione:

$$V_{Rd} \quad [0.18 \quad k \quad (100 \quad {}_1 \quad f_{ck})^{1/3} / \quad {}_c \quad 0.15 \quad {}_{cp}] \quad b_w \quad d \quad (v_{min} \quad 0.15 \quad {}_{cp}) \quad b_w \quad d$$

con:

$$k \quad 1 \quad (200 / d)^{1/2} \quad 2$$

$$v_{min} \quad 0.035 \quad k^{3/2} \quad f_{ck}^{3/2}$$

dove: d = altezza utile della sezione (in mm);

$\square_1 = A_{sl} / (b_w \square d)$ = rapporto geometrico di armatura longitudinale ($\square$ 0.02);

$\square_{cp} = N_{Ed} / A_c$ = tensione media di compressione nella sezione ($\square$ 0.2$\square$ f_{cd});

b_w = larghezza minima della sezione (in mm).

Di seguito viene presentata la tabella di verifica della sezione.

Caratteristiche dei materiali:

Resistenza caratteristica a compressione cubica cls	R_{ck}	=	**40**	N/mm^2
Resistenza caratteristica a compressione cilindrica cls	f_{ck}	=	33	N/mm^2
Resistenza di calcolo a compressone del cls	f_{cd}	=	18.81	N/mm^2
Resistenza di calcolo a trazione dell'acciaio	F_{yd}	=	391.30	N/mm^2

Sollecitazioni di verifica (S.L.U.):

Valore di calcolo dello sforzo di taglio agente	V_{Ed}	=	**298.96**	kN
Valore di calcolo della forza assiale associata a V_{Ed}	N (V_{Ed})	=	**0.00**	kN
Valore di calcolo del momento flettente associato a V_{Ed}	M (V_{Ed})	=	**0.00**	kNm

Caratteristiche geometriche della sezione:

Altezza utile della sezione	d	=	**340**	mm
Larghezza minima della sezione	b_w	=	**1000**	mm

Armatura della sezione in zona tesa:

Diametro ferri longitudinali	$\square$	=	**20**	mm
Numero tondini longitudinali utilizzati	n°	=	**5**	-
Area totale di armatura longitudinale in zona tesa	A_{sl}	=	1570	mm^2
Rapporto geometrico dell'armatura longitud. (≤ 0.02)	$\square_l$	=	0.0046	-

Calcolo del taglio resistente:

Fattore dipendente dall'altezza utile della sezione (≤ 2)	k	=	1.77	-
Tensione dipendente dal fattore k e dalla resist. del cls	v_{min}	=	0.47	N/mm^2
Tensione media di compress. nella sezione (≤ $0.2 f_{cd}$)	σ_{cp}	=	0.00	N/mm^2
Resistenza ultima a taglio minima	$V_{Rd,min}$	=	161.05	kN
Resistenza ultima a taglio ($V_{Rd} \geq V_{Rd,min}$)	V_{Rd}	=	**179.09**	kN

Poichè il taglio sollecitante (V_{Sd}) risulta maggiore del taglio resistente (V_{Rd}), la sezione deve essere armata a taglio.

<u>Verifiche con armatura trasversale resistente a taglio</u>

Con riferimento al paragrafo 4.1.2.1.3.1 del D.M. 14/01/2008, la resistenza alle sollecitazioni taglianti di elementi provvisti di apposita armatura a taglio è valutata con la seguente espressione:

$$V_{Rd} = \min[V_{Rsd}, V_{Rcd}]$$

con: V_{Rsd} = resistenza di calcolo a "taglio trazione" dell'armatura trasversale:

$$V_{Rsd} \quad 0.9 \; d \; \frac{A_{sw}}{s} \; f_{yd} \; [ctg(\;) \quad ctg(\;)] \; sen(\;)$$

V_{Rcd} = resistenza di calcolo a "taglio compressione" del calcestruzzo d'anima:

$$V_{Rcd} \quad 0.9 \; d \; b_w \quad {}_c \; f'_{cd} \, [ctg(\;) \quad ctg(\;)]/[1 \quad ctg^2(\;)]$$

dove:

- d = altezza utile della sezione (in mm);
- $\sigma_{cp} = N_{Ed} / A_c$ = tensione media di compressione nella sezione;
- b_w = larghezza minima della sezione (in mm);
- A_{sw} = area dell'armatura trasversale (in mm^2);
- s = interasse tra due armature trasversali consecutive (in mm);
- α = angolo d'inclinazione dell'armatura trasversale rispetto all'asse dell'elemento;
- f'_{cd} = resistenza a compressione ridotta del cls d'anima ($f'_{cd} = 0.5 \cdot f_{cd}$);
- α_c = coefficiente maggiorativo pari a:
  - 1 per membrature compr.;
  - $1 + \sigma_{cp}/f_{cd}$ per $0 \leq \sigma_{cp} < 0.25 f_{cd}$
  - 1.25 per $0.25 f_{cd} \leq \sigma_{cp} \leq 0.5 f_{cd}$
  - $2.5(1 - \sigma_{cp}/f_{cd})$ per $0.5 f_{cd} < \sigma_{cp} < f_{cd}$

Di seguito viene presentata la tabella di verifica della sezione.

Caratteristiche dei materiali:

Resistenza caratteristica a compressione cubica cls	R_{ck}	=	**40**	N/mm^2
Resistenza caratteristica a compressione cilindrica cls	f_{ck}	=	33	N/mm^2
Resistenza di calcolo a compressone del cls	f_{cd}	=	18.81	N/mm^2
Resistenza di calcolo a trazione dell'acciaio	F_{yd}	=	391.30	N/mm^2

Sollecitazioni di verifica (S.L.U.):

Valore di calcolo dello sforzo di taglio agente	V_{Ed}	=	**298.96**	kN
Valore di calcolo della forza assiale associata a V_{Ed}	N (V_{Ed})	=	**0.00**	kN
Valore di calcolo del momento flettente associato a V_{Ed}	M (V_{Ed})	=	**0.00**	kNm

Caratteristiche geometriche della sezione:

Altezza utile della sezione	d	=	**340**	mm
Larghezza minima della sezione	b_w	=	**1000**	mm

Armatura della sezione in zona tesa:

Diametro ferri longitudinali	¤	=	**20**	mm
Numero tondini longitudinali utilizzati	n°	=	**5**	-
Area totale di armatura longitudinale in zona tesa	A_{sl}	=	1570	mm^2
Rapporto geometrico dell'armatura longitud. (≤ 0.02)	$¤_l$	=	0.0046	-

Armatura aggiuntiva resistente a taglio:

Angolo d'inclinaz. armatura trasv. su asse dell'elemento	¤	=	**45**	°
Diametro ferri a taglio	$¤_{sw}$	=	**12**	mm
Numero dei bracci in sezione trasversale	$n°_{sw}$	=	**5**	-
Passo in direzione asse elemento	s	=	**200**	mm
Area totale di armatura a taglio	A_{sw}	=	565	mm^2

Fattori di resistenza a compressione:

Angolo di inclinazione dei puntoni di cls	¤	=	**45**	°
Resistenza a compressione ridotta del cls d'anima	f'_{cd}	=	9.41	N/mm^2
Tensione media di compressione nella sezione	$¤_{cp}$	=	0.00	N/mm^2
Coefficiente maggiorativo per membrature compresse	$¤_c$	=	1.00	-

Calcolo del taglio resistente:

Resistenza di calcolo a "taglio trazione" dell'armatura	V_{Rsd}	=	478.38	kN
Resistenza di calcolo a "taglio compressione" del cls	V_{Rcd}	=	2878.44	kN
Resistenza ultima a taglio	V_{Rd}	=	**478.38**	kN

Utilizzando ferri piegati a 45° ◘ 12/20/20cm, il taglio resistente (V_{Rd}) risulta maggiore del taglio sollecitante (V_{Sd}): la verifica è pertanto soddisfatta.

8.6 VERIFICHE DI RESISTENZA DEI PIEDRITTI

Nel presente capitolo vengono eseguite le verifiche strutturali della soletta superiore; si utilizza nelle verifiche una sezione rettangolare 100cm ◘ 30cm.

La sezione risulta armata come segue:

- Intradosso: ◘ 14 / 20 cm (ripartitori esterni: ◘ 10 / 20 cm)
- Estradosso: ◘ 20 / 20 cm (ripartitori esterni: ◘ 10 / 20 cm)

In base all'analisi effettuata con il software di calcolo ***SAP2000 Advanced***, si ricavano le seguenti sollecitazioni di verifica:

SOLLECITAZIONI A STATO LIMITE DI ESERCIZIO						
Asta	**Comb.**	**Dist. [m]**	**N [kN]**	**V [kN]**	**M [kNm]**	**Note**
3	**SLE-CAR-118 MAX**	0.000	-220.39	39.74	45.27	*Momento massimo*
1	**SLE-CAR-127 MAX**	0.000	-135.86	-122.60	-100.83	*Momento minimo*

SOLLECITAZIONI A STATO LIMITE DI FESSURAZIONE						
Asta	**Comb.**	**Dist. [m]**	**N [kN]**	**V [kN]**	**M [kNm]**	**Note**
1	**FESS-QP-05 MAX**	1.068	-145.89	-2.44	2.04	*Momento massimo (comb. QP)*
1	**FESS-QP-15 MAX**	0.000	-144.05	-80.55	-54.63	*Momento minimo (comb. QP)*
3	**FESS-FR-54 MAX**	0.000	-184.27	6.50	4.54	*Momento massimo (comb. FR)*
1	**FESS-FR-63 MAX**	0.000	-159.87	-89.73	-62.42	*Momento minimo (comb. FR)*

SOLLECITAZIONI A STATO LIMITE ULTIMO						
Asta	**Comb.**	**Dist. [m]**	**N [kN]**	**V [kN]**	**M [kNm]**	**Note**
3	**SLU-STR-118 MAX**	0.000	-297.52	55.02	61.12	*Momento massimo*
1	**SLU-STR-127 MAX**	0.000	-183.40	-164.88	-135.58	*Momento minimo*
1	**SLU-STR-127 MAX**	0.000	-183.40	164.88	-135.58	*Taglio massimo*

8.6.1 VERIFICHE A STATO LIMITE DI ESERCIZIO

Tutte le condizioni di carico vengono utilizzate per le verifiche a Stato Limite di Esercizio, mentre per le verifiche a Stato Limite di Fessurazione vengono utilizzate le sole condizioni di carico 3-4 (combinazioni Frequenti) e 5-6 (combinazioni Quasi Permanenti).

```
Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    30.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø20 mm posizionati a    24.0 cm da intradosso

Area armatura normale = 2340.5 (mm²)     a    18.0 cm da intrad.

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Coefficiente d'omogeneizzazione dell'armatura =15

Condizione di carico 1

Momento        =      45.3(KN.m)
Sforzo normale =    -220.4(KN)

Compressione massima nel calcestruzzo   =   -5.58(N/mm²)
Trazione massima nell'acciaio           =  127.32(N/mm²)
Distanza asse neutro da lembo compresso =    9.6 (cm)
Braccio di leva interno           =   19.1 (cm)

Condizione di carico 2

Momento        =    -100.8(KN.m)
Sforzo normale =    -135.9(KN)

Compressione massima nel calcestruzzo   =  -10.83(N/mm²)
Trazione massima nell'acciaio           =  261.28(N/mm²)
Distanza asse neutro da lembo compresso =    9.2 (cm)
Braccio di leva interno           =   20.8 (cm)

Condizione di carico 3

Momento        =       4.5(KN.m)
Sforzo normale =    -184.3(KN)

La sezione non si parzializza
Compressione massima nel calcestruzzo   =   -0.79(N/mm²)
Compressione minima nel calcestruzzo    =   -0.31(N/mm²)

Condizione di carico 4

Momento        =     -62.4(KN.m)
Sforzo normale =    -159.9(KN)

Compressione massima nel calcestruzzo   =   -6.73(N/mm²)
```

```
Trazione massima nell'acciaio           =  138.11(N/mm²)
Distanza asse neutro da lembo compresso =   10.1 (cm)
Braccio di leva interno           =   20.4 (cm)

Condizione di carico 5

Momento        =       2.0(KN.m)
Sforzo normale =    -154.9(KN)

La sezione non si parzializza
Compressione massima nel calcestruzzo   =   -0.56(N/mm²)
Compressione minima nel calcestruzzo    =   -0.37(N/mm²)

Condizione di carico 6

Momento        =     -54.6(KN.m)
Sforzo normale =    -144.1(KN)

Compressione massima nel calcestruzzo   =   -5.90(N/mm²)
Trazione massima nell'acciaio           =  119.30(N/mm²)
Distanza asse neutro da lembo compresso =   10.2 (cm)
Braccio di leva interno           =   20.3 (cm)
```

Le tensioni nell’acciaio e nel calcestruzzo risultano inferiori alle tensioni limite da normativa.

8.6.2 VERIFICHE A STATO LIMITE DI FESSURAZIONE

8.6.2.1 COMBINAZIONI QUASI PERMANENTI

Momento positivo

La verifica a fessurazione perde di significato poichè la sezione è interamente compressa.

Momento negativo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    30.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø20 mm posizionati a    24.0 cm da intradosso

Area armatura normale = 2340.5 (mm²)     a    18.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'estradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  20.0 (mm)
Rapporto sforzo normale/momento = -0.00379 cm^-1
Trazione calcestruzzo di fessurazione (f_ctm) =  31.5  kg/cm^2
Momento di prima fessurazione (□  = 0.7 · 1.2·f_ctm) =  46.60 (KN.m)
Momento di fessurazione (□  = f_ctm)            = -55.48 (KN.m)

Stadio non fessurato
Coefficiente di omogeneizzazione   =  15
Distanza asse neutro da lembo teso =  14.4 cm
Altezza del tirante ideale         =  14.4 cm
Densità d'armatura del tirante ideale =  1.091 %

Stadio fessurato
Coefficiente di omogeneizzazione   =  15
Distanza media fra due fessure attigue S_m =  23.2 cm
Momento di fessurazione; Trazione acciaio =   161.1 (N/mm²)
Coeff. K_3 ( =[0.25·(□_1+□_2) / (2· □_1)] )      =  0.125
Trazione nell'acciaio per il calcolo della fessura =    119.3 (N/mm²)
Ampiezza della fessura (w = 1.7 · S_m · □_sm / E_s)      = 0.0597 - 0.0597 mm
```

Il valore dell'ampiezza teorica delle fessure risulta inferiore al valore limite da normativa (0.2 mm); la verifica è pertanto soddisfatta.

8.6.2.2 COMBINAZIONI FREQUENTI

Momento positivo

La verifica a fessurazione perde di significato poichè la sezione è interamente compressa.

Momento negativo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    30.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø20 mm posizionati a    24.0 cm da intradosso

Area armatura normale = 2340.5 (mm²)     a    18.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'estradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  20.0 (mm)
Rapporto sforzo normale/momento = -0.0039 cm^-1
Trazione calcestruzzo di fessurazione (f_ctm) =  31.5  kg/cm^2
Momento di prima fessurazione (□  = 0.7 · 1.2·f_ctm) =  46.63 (KN.m)
Momento di fessurazione (□  = f_ctm)            = -55.51 (KN.m)

Stadio non fessurato
Coefficiente di omogeneizzazione   =  15
Distanza asse neutro da lembo teso =  14.4 cm
Altezza del tirante ideale         =  14.4 cm
Densità d'armatura del tirante ideale =  1.091 %

Stadio fessurato
Coefficiente di omogeneizzazione   =  15
Distanza media fra due fessure attigue S_m =  23.2 cm
Momento di fessurazione; Trazione acciaio =   161.0 (N/mm²)
Coeff. K_3 ( =[0.25·(□_1+□_2) / (2· □_1)] )      =  0.125
Trazione nell'acciaio per il calcolo della fessura =    138.1 (N/mm²)
Ampiezza della fessura (w = 1.7 · S_m · □_sm / E_s)     = 0.0691 - 0.0691 mm
```

Il valore dell'ampiezza teorica delle fessure risulta inferiore al valore limite da normativa (0.3 mm); la verifica è pertanto soddisfatta.

8.6.3 VERIFICHE A STATO LIMITE ULTIMO

8.6.3.1 FLESSIONE

```
METODO SEMIPROBABILISTICO - VERIFICA A ROTTURA

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    30.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø20 mm posizionati a    24.0 cm da intradosso

Area armatura normale = 2340.5 (mm²)     a    18.0 cm da intrad.

Caratteristiche Fisico-Elastiche dei materiali

Modulo Elastico acciaio normale          =  210000.0(N/mm²)
Modulo Elastico calcestruzzo             =   36000.0(N/mm²)
Resistenza cubica del calcestruzzo:  Rck  =   40.00(N/mm²)
Resistenza cubica iniziale (alla tesatura):Rckj  =   32.00(N/mm²)
Soglia di snervamento acciaio normale: Fyk       =  440.00(N/mm²)

Ipotesi di calcolo

Legge costitutiva del calcestruzzo :      Parabola Rettangolo
Accorciamento ultimo a flessione = 0.3500 %
Accorciamento ultimo a compress. = 0.2000 %
Legge costitutiva dell'acciaio normale :  Bilineare
Allungamento ultimo acciaio normale =  0.675 %
Coefficiente di sicurezza calcestruzzo : γc = 1.500
Coefficiente di sicurezza acciaio : γs = 1.150
Termine di lunga durata : F1 = 0.850
Rapporto Rcyl/Rcubo: F2 = 0.830
Resistenza di progetto calcestruzzo : F1·F2·Rcubo/γc = 0.47Rcubo
Resistenza di progetto dell'acciaio : Fsd = Fyk/γs = 0.87Fyk

Resistenze di progetto

Calcestruzzo             =   18.81(N/mm²)
Acciaio normale          =  382.61(N/mm²)

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Condizione di carico 1

Momento di Progetto Md  =    -135.6(KN.m)
Sforzo di Progetto  Nd  =    -183.4(KN)

Distanza asse neutro da lembo compresso =    5.9 (cm)
Momento di Rottura  Mr  =    -153.8(KN.m)
Sforzo di Rottura   Nr  =    -184.3(KN)
Rottura nel Dominio  2
Rapporto Mr/Md  =  1.134
```

Condizione di carico 2

Momento di Progetto M_d = 61.1(KN.m)
Sforzo di Progetto N_d = -183.4(KN)

Distanza asse neutro da lembo compresso = 5.0 (cm)
Momento di Rottura M_r = 94.8(KN.m)
Sforzo di Rottura N_r = -182.9(KN)
Rottura nel Dominio 2
Rapporto M_r/M_d = 1.551

8.6.3.2 TAGLIO

Verifiche senza armatura trasversale resistente a taglio

Con riferimento al paragrafo 4.1.2.1.3.1 del D.M. 14/01/2008, la resistenza alle sollecitazioni taglianti di elementi sprovvisti di apposita armatura a taglio è valutata con la seguente espressione:

$$V_{Rd} \quad [0.18 \;\; k \;\; (100 \quad {}_1 \;\; f_{ck})^{1/3} / \;\; {}_c \quad 0.15 \quad {}_{cp}] \;\; b_w \;\; d \quad (v_{min} \quad 0.15 \quad {}_{cp}) \;\; b_w \;\; d$$

con:

$$k \quad 1 \quad (200 / d)^{1/2} \quad 2$$

$$v_{min} \quad 0.035 \;\; k^{3/2} \;\; f_{ck}^{3/2}$$

dove: d = altezza utile della sezione (in mm);

$\square_1 = A_{sl} / (b_w \square d)$ = rapporto geometrico di armatura longitudinale ($\square$ 0.02);

$\square_{cp} = N_{Ed} / A_c$ = tensione media di compressione nella sezione ($\square$ 0.2$\square$ f_{cd});

b_w = larghezza minima della sezione (in mm).

Di seguito viene presentata la tabella di verifica della sezione.

Caratteristiche dei materiali:

Resistenza caratteristica a compressione cubica cls	R_{ck}	=	**40**	N/mm^2
Resistenza caratteristica a compressione cilindrica cls	f_{ck}	=	33	N/mm^2
Resistenza di calcolo a compressone del cls	f_{cd}	=	18.81	N/mm^2
Resistenza di calcolo a trazione dell'acciaio	F_{yd}	=	391.30	N/mm^2

Sollecitazioni di verifica (S.L.U.):

Valore di calcolo dello sforzo di taglio agente	V_{Ed}	=	**164.88**	kN
Valore di calcolo della forza assiale associata a V_{Ed}	N (V_{Ed})	=	**183.40**	kN
Valore di calcolo del momento flettente associato a V_{Ed}	M (V_{Ed})	=	**135.58**	kNm

Caratteristiche geometriche della sezione:

Altezza utile della sezione	d	=	**240**	mm
Larghezza minima della sezione	b_w	=	**1000**	mm

Armatura della sezione in zona tesa:

Diametro ferri longitudinali	$\square$	=	**20**	mm
Numero tondini longitudinali utilizzati	n°	=	**5**	-
Area totale di armatura longitudinale in zona tesa	A_{sl}	=	1570	mm^2
Rapporto geometrico dell'armatura longitud. (≤ 0.02)	$\square_l$	=	0.0065	-

Calcolo del taglio resistente:

Fattore dipendente dall'altezza utile della sezione (≤ 2)	k	=	1.91	-
Tensione dipendente dal fattore k e dalla resist. del cls	v_{min}	=	0.53	N/mm^2
Tensione media di compress. nella sezione (≤ 0.2¤f_{cd})	¤$_{cp}$	=	0.76	N/mm^2
Resistenza ultima a taglio minima	$V_{Rd,min}$	=	155.56	kN
Resistenza ultima a taglio (V_{Rd} ¤ $V_{Rd,min}$)	V_{Rd}	=	**181.21**	kN

Dato che la verifica risulta soddisfatta non occorre disporre un'apposita armatura resistente a taglio.

8.7 VERIFICHE DI CAPACITÀ PORTANTE DELLA FONDAZIONE

La capacità portata della fondazione è stata calcolata attraverso l'espressione proposta da Brinch-Hansen per le fondazioni superficiali; poichè la fondazione ed il piano campagna risultano orizzontali, si trascurano i fattori correttivi corrispondenti.

La portata limite unitaria è pertanto fornita dalla seguente espressione:

$$q_{lim} \quad \frac{1}{2} \quad B \quad N \quad s \quad i \quad c \quad N_c \quad s_c \quad d_c \quad i_c \quad q \quad N_q \quad s_q \quad d_q \quad i_q$$

dove: $\square'$ = peso specifico terreno di fondazione (sommerso, se in presenza di falda);

B = larghezza equivalente della fondazione (in presenza di carichi eccentrici);

c' = coesione del terreno di fondazione;

q' = sovraccarico dovuto al peso del terreno posto sopra il livello di fondazione;

$N_\square$, N_c, N_q = coefficienti di capacità portante;

$s_\square$, s_c, s_q = coefficienti di forma;

$i_\square$, i_c, i_q = coefficienti correttivi dovuti alla presenza di carichi orizzontali;

d_c, d_q = coefficienti dipendenti dalla profondità del piano di posa.

Di seguito vengono riepilogate le espressioni per il calcolo della larghezza equivalente, del sovraccarico e dei vari coefficienti:

- *Larghezza equivalente della fondazione:*

$$B \quad B_R \quad 2 \frac{M}{N}$$

dove: B_R = larghezza reale della fondazione;

M = momento risultante sulla fondazione;

N = azione perpendicolare al piano di posa sulla fondazione.

- *Sovraccarico dovuto al peso del terreno posto sopra il livello di fondazione:*

$$q' \quad {}_t \; D$$

dove: $\square_t$ = peso del terreno di ricoprimento;

D = profondità del piano di posa della fondazione.

- *Coefficienti di capacità portante:*

$$N_q \quad tg^2 \; 45 \quad \frac{'}{2} \quad e^{\;tg(\;')}$$

$$N_c \quad (N_q \quad 1) \; ctg(\;')$$

$$N \quad 2\ (N_q \quad 1)\ tg(\ ')$$

dove: ¤' = angolo di attrito del terreno di fondazione.

- *Coefficienti di forma (per B<L):*

$$s \quad 1 \quad 0.1\ \frac{B}{L}\ \frac{1 \quad sen(\ ')}{1 \quad sen(\ ')}$$

$$s_q \quad s$$

$$s_c \quad 1 \quad 0.2\ \frac{B}{L}\ \frac{1 \quad sen(\ ')}{1 \quad sen(\ ')}$$

dove: ¤' = angolo di attrito del terreno di fondazione;
B = larghezza equivalente della fondazione (definita in precedenza);
L = lunghezza della fondazione.

- *Coefficienti dipendenti dalla profondità del piano di posa:*

$$d_q \quad 1 \quad 2\ \frac{D}{B}\ tg(\ ')\ [1 \quad sen(\ ')]^2 \qquad \text{per } D/B \quad 1$$

$$d_q \quad 1 \quad 2\ tg(\ ')\ [1 \quad sen(\ ')]^2\ ctg\ \frac{D}{B} \qquad \text{per } D/B \quad 1$$

$$d_c \quad d_q \quad \frac{1 \quad d_q}{N_c \quad tg(\ ')}$$

dove: ¤' = angolo di attrito del terreno di fondazione;
B = larghezza equivalente della fondazione (definita in precedenza);
D = profondità del piano di posa della fondazione;
N_c = coefficiente di capacità portante (definito in precedenza).

- *Coefficienti correttivi dovuti alla presenza di carichi orizzontali:*

$$i \quad 1 \quad \frac{H}{N \quad B \quad L \quad c'\,ctg(\ ')}^{(m \quad 1)}$$

$$i_q \quad 1 \quad \frac{H}{N \quad B \quad L \quad c'\,ctg(\ ')}^{m} \qquad \text{con: } m \quad \frac{2 \quad B/L}{1 \quad B/L}$$

$$i_c \quad i_q \quad \frac{1 \quad d_q}{N_c \quad tg(\ ')}$$

dove: ¤' = angolo di attrito del terreno di fondazione;
c' = coesione del terreno di fondazione;
B = larghezza equivalente della fondazione (definita in precedenza);
L = lunghezza della fondazione;

N = azione perpendicolare al piano di posa sulla fondazione;

H = azione parallela al piano di posa sulla fondazione;

N_c = coefficiente di capacità portante (definito in precedenza);

d_q = coefficiente dipendente dalla profondità del piano di posa (definito in precedenza).

Le verifiche di portata, conformi alle NTC 2008, vengono svolte secondo l'Approccio 1 Combinazione 2 (A2+M2+R2) come prescritto dalla Circ.Min. n°617 del 02/02/2009 (paragrafo C.6.4.2.1). In base a quanto riportato nel D.M. 14/01/2008, la capacità portante della fondazione è verificata se risulta vera la seguente espressione:

$$Sd \quad Rd \quad \frac{lim}{R}$$

dove: $\square_{Sd}$ = pressione equivalente sul terreno;

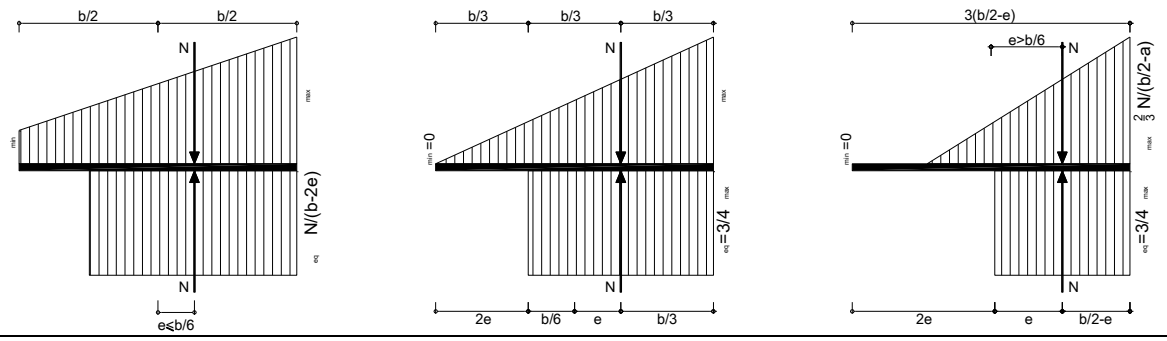
$\square_{lim}$ = portata limite unitaria calcolata secondo Brinch-Hansen;

$\square_{R}$ = coefficiente parziale a Stato Limite Ultimo (pari a 1.80).

Il calcolo del valore equivalente della pressione di contatto nella verifica di portata delle fondazioni super-ficiali, ampiamente documentato in letteratura ed in particolare nei citati riferimenti bibliografici, si basa sulla considerazione che il comportamento dei terreni risulta tutt'altro che lineare: il calcolo del valore massimo di pressione sulla base della tradizionale ipotesi di validità per il terreno della legge di Hooke (valore $\square_{max}$ nelle tabelle) appare quindi poco significativo.

Il calcolo del valore equivalente si basa sulla valutazione dell'eccentricità delle sollecitazioni, in modo da ridistribuire in maniera uniforme su una dimensione ridotta della platea le sollecitazioni stesse.

Pressione di contatto equivalente in funzione dell'eccentricità della risultante dei carichi



Nelle tabelle seguenti vengono riportate le verifiche di capacità portante; ogni singola combinazione analizzata riporta nell'ordine:

Comb	=	combinazione di carico analizzata (vedi paragrafo 8.3)
M	=	momento flettente alla base dell'opera
N	=	azione verticale alla base dell'opera
H	=	azione orizzontale alla base dell'opera
B_{reag}	=	larghezza reagente della fondazione (controsoletta)
σ_{min}	=	pressione minima sul terreno
σ_{max}	=	pressione massima sul terreno
σ_{Sd}	=	pressione equivalente sul terreno
σ_{lim}	=	portata limite del terreno calcolata secondo Brinch-Hansen
σ_{Rd}	=	portata resistente del terreno di progetto

Comb.	M [kNm/m]	N [kN/m]	H [kN/m]	B_{reag} [m]	σ_{min} [kN/m^2]	σ_{max} [kN/m^2]	σ_{Sd} [kN/m^2]	σ_{lim} [kN/m^2]	σ_{Rd} [kN/m^2]
SLU-GEO-001 MAX	0	370	0	2.60	142	142	**142**	6045	**3358**
SLU-GEO-001 MIN	0	370	0	2.60	142	142	**142**	6045	**3358**
SLU-GEO-002 MAX	0	370	0	2.60	142	142	**142**	6045	**3358**
SLU-GEO-002 MIN	0	370	0	2.60	142	142	**142**	6045	**3358**
SLU-GEO-003 MAX	0	370	0	2.60	142	142	**142**	6045	**3358**
SLU-GEO-003 MIN	0	370	0	2.60	142	142	**142**	6045	**3358**
SLU-GEO-004 MAX	0	370	0	2.60	142	142	**142**	6045	**3358**
SLU-GEO-004 MIN	0	370	0	2.60	142	142	**142**	6045	**3358**
SLU-GEO-005 MAX	0	318	0	2.60	122	122	**122**	6045	**3358**
SLU-GEO-005 MIN	0	318	0	2.60	122	122	**122**	6045	**3358**
SLU-GEO-006 MAX	0	318	0	2.60	122	122	**122**	6045	**3358**
SLU-GEO-006 MIN	0	318	0	2.60	122	122	**122**	6045	**3358**
SLU-GEO-007 MAX	0	318	0	2.60	122	122	**122**	6045	**3358**
SLU-GEO-007 MIN	0	318	0	2.60	122	122	**122**	6045	**3358**
SLU-GEO-008 MAX	0	318	0	2.60	122	122	**122**	6045	**3358**
SLU-GEO-008 MIN	0	318	0	2.60	122	122	**122**	6045	**3358**
SLU-GEO-009 MAX	11	412	9	2.60	149	168	**162**	5759	**3200**
SLU-GEO-009 MIN	11	412	9	2.60	149	168	**162**	5759	**3200**
SLU-GEO-010 MAX	11	412	9	2.60	149	168	**162**	5759	**3200**
SLU-GEO-010 MIN	11	412	9	2.60	149	168	**162**	5759	**3200**
SLU-GEO-011 MAX	11	412	9	2.60	149	168	**162**	5759	**3200**
SLU-GEO-011 MIN	11	412	9	2.60	149	168	**162**	5759	**3200**
SLU-GEO-012 MAX	11	412	9	2.60	149	168	**162**	5759	**3200**
SLU-GEO-012 MIN	11	412	9	2.60	149	168	**162**	5759	**3200**
SLU-GEO-013 MAX	20	412	17	2.60	140	177	**165**	5526	**3070**
SLU-GEO-013 MIN	20	412	17	2.60	140	177	**165**	5526	**3070**
SLU-GEO-014 MAX	20	412	17	2.60	140	177	**165**	5526	**3070**
SLU-GEO-014 MIN	20	412	17	2.60	140	177	**165**	5526	**3070**
SLU-GEO-015 MAX	20	412	17	2.60	140	177	**165**	5526	**3070**
SLU-GEO-015 MIN	20	412	17	2.60	140	177	**165**	5526	**3070**

Comb.	M [kNm/m]	N [kN/m]	H [kN/m]	B_{reag} [m]	σ_{min} [kN/m^2]	σ_{max} [kN/m^2]	σ_{Sd} [kN/m^2]	σ_{lim} [kN/m^2]	σ_{Rd} [kN/m^2]
SLU-GEO-016 MAX	20	412	17	2.60	140	177	**165**	5526	**3070**
SLU-GEO-016 MIN	20	412	17	2.60	140	177	**165**	5526	**3070**
SLU-GEO-017 MAX	11	360	9	2.60	129	148	**142**	5719	**3177**
SLU-GEO-017 MIN	11	360	9	2.60	129	148	**142**	5719	**3177**
SLU-GEO-018 MAX	11	360	9	2.60	129	148	**142**	5719	**3177**
SLU-GEO-018 MIN	11	360	9	2.60	129	148	**142**	5719	**3177**
SLU-GEO-019 MAX	11	360	9	2.60	129	148	**142**	5719	**3177**
SLU-GEO-019 MIN	11	360	9	2.60	129	148	**142**	5719	**3177**
SLU-GEO-020 MAX	11	360	9	2.60	129	148	**142**	5719	**3177**
SLU-GEO-020 MIN	11	360	9	2.60	129	148	**142**	5719	**3177**
SLU-GEO-021 MAX	20	360	17	2.60	120	157	**145**	5454	**3030**
SLU-GEO-021 MIN	20	360	17	2.60	120	157	**145**	5454	**3030**
SLU-GEO-022 MAX	20	360	17	2.60	120	157	**145**	5454	**3030**
SLU-GEO-022 MIN	20	360	17	2.60	120	157	**145**	5454	**3030**
SLU-GEO-023 MAX	20	360	17	2.60	120	157	**145**	5454	**3030**
SLU-GEO-023 MIN	20	360	17	2.60	120	157	**145**	5454	**3030**
SLU-GEO-024 MAX	20	360	17	2.60	120	157	**145**	5454	**3030**
SLU-GEO-024 MIN	20	360	17	2.60	120	157	**145**	5454	**3030**
SLU-GEO-025 MAX	73	370	66	2.60	78	207	**168**	4020	**2233**
SLU-GEO-025 MIN	73	370	66	2.60	78	207	**168**	4020	**2233**
SLU-GEO-026 MAX	73	370	66	2.60	78	207	**168**	4020	**2233**
SLU-GEO-026 MIN	73	370	66	2.60	78	207	**168**	4020	**2233**
SLU-GEO-027 MAX	73	370	66	2.60	78	207	**168**	4020	**2233**
SLU-GEO-027 MIN	73	370	66	2.60	78	207	**168**	4020	**2233**
SLU-GEO-028 MAX	73	370	66	2.60	78	207	**168**	4020	**2233**
SLU-GEO-028 MIN	73	370	66	2.60	78	207	**168**	4020	**2233**
SLU-GEO-029 MAX	73	318	66	2.60	58	187	**149**	3732	**2074**
SLU-GEO-029 MIN	73	318	66	2.60	58	187	**149**	3732	**2074**
SLU-GEO-030 MAX	73	318	66	2.60	58	187	**149**	3732	**2074**
SLU-GEO-030 MIN	73	318	66	2.60	58	187	**149**	3732	**2074**

Comb.	M [kNm/m]	N [kN/m]	H [kN/m]	B_{reag} [m]	q_{min} [kN/m^2]	q_{max} [kN/m^2]	q_{Sd} [kN/m^2]	q_{lim} [kN/m^2]	q_{Rd} [kN/m^2]
SLU-GEO-031 MAX	73	318	66	2.60	58	187	**149**	3732	**2074**
SLU-GEO-031 MIN	73	318	66	2.60	58	187	**149**	3732	**2074**
SLU-GEO-032 MAX	73	318	66	2.60	58	187	**149**	3732	**2074**
SLU-GEO-032 MIN	73	318	66	2.60	58	187	**149**	3732	**2074**
SLU-GEO-033 MAX	88	412	79	2.60	80	237	**190**	3877	**2154**
SLU-GEO-033 MIN	88	412	79	2.60	80	237	**190**	3877	**2154**
SLU-GEO-034 MAX	88	412	79	2.60	80	237	**190**	3877	**2154**
SLU-GEO-034 MIN	88	412	79	2.60	80	237	**190**	3877	**2154**
SLU-GEO-035 MAX	88	412	79	2.60	80	237	**190**	3877	**2154**
SLU-GEO-035 MIN	88	412	79	2.60	80	237	**190**	3877	**2154**
SLU-GEO-036 MAX	88	412	79	2.60	80	237	**190**	3877	**2154**
SLU-GEO-036 MIN	88	412	79	2.60	80	237	**190**	3877	**2154**
SLU-GEO-037 MAX	93	412	83	2.60	76	241	**192**	3784	**2102**
SLU-GEO-037 MIN	93	412	83	2.60	76	241	**192**	3784	**2102**
SLU-GEO-038 MAX	93	412	83	2.60	76	241	**192**	3784	**2102**
SLU-GEO-038 MIN	93	412	83	2.60	76	241	**192**	3784	**2102**
SLU-GEO-039 MAX	93	412	83	2.60	76	241	**192**	3784	**2102**
SLU-GEO-039 MIN	93	412	83	2.60	76	241	**192**	3784	**2102**
SLU-GEO-040 MAX	93	412	83	2.60	76	241	**192**	3784	**2102**
SLU-GEO-040 MIN	93	412	83	2.60	76	241	**192**	3784	**2102**
SLU-GEO-041 MAX	88	360	79	2.60	60	217	**171**	3609	**2005**
SLU-GEO-041 MIN	88	360	79	2.60	60	217	**171**	3609	**2005**
SLU-GEO-042 MAX	88	360	79	2.60	60	217	**171**	3609	**2005**
SLU-GEO-042 MIN	88	360	79	2.60	60	217	**171**	3609	**2005**
SLU-GEO-043 MAX	88	360	79	2.60	60	217	**171**	3609	**2005**
SLU-GEO-043 MIN	88	360	79	2.60	60	217	**171**	3609	**2005**
SLU-GEO-044 MAX	88	360	79	2.60	60	217	**171**	3609	**2005**
SLU-GEO-044 MIN	88	360	79	2.60	60	217	**171**	3609	**2005**
SLU-GEO-045 MAX	93	360	83	2.60	56	221	**173**	3506	**1948**
SLU-GEO-045 MIN	93	360	83	2.60	56	221	**173**	3506	**1948**

Comb.	M [kNm/m]	N [kN/m]	H [kN/m]	B_{reag} [m]	σ_{min} [kN/m^2]	σ_{max} [kN/m^2]	σ_{Sd} [kN/m^2]	σ_{lim} [kN/m^2]	σ_{Rd} [kN/m^2]
SLU-GEO-046 MAX	93	360	83	2.60	56	221	**173**	3506	**1948**
SLU-GEO-046 MIN	93	360	83	2.60	56	221	**173**	3506	**1948**
SLU-GEO-047 MAX	93	360	83	2.60	56	221	**173**	3506	**1948**
SLU-GEO-047 MIN	93	360	83	2.60	56	221	**173**	3506	**1948**
SLU-GEO-048 MAX	93	360	83	2.60	56	221	**173**	3506	**1948**
SLU-GEO-048 MIN	93	360	83	2.60	56	221	**173**	3506	**1948**
SLU-GEO-049 MAX	0	370	0	2.60	142	142	**142**	6045	**3358**
SLU-GEO-049 MIN	0	370	0	2.60	142	142	**142**	6045	**3358**
SLU-GEO-050 MAX	0	370	0	2.60	142	142	**142**	6045	**3358**
SLU-GEO-050 MIN	0	370	0	2.60	142	142	**142**	6045	**3358**
SLU-GEO-051 MAX	0	370	0	2.60	142	142	**142**	6045	**3358**
SLU-GEO-051 MIN	0	370	0	2.60	142	142	**142**	6045	**3358**
SLU-GEO-052 MAX	0	370	0	2.60	142	142	**142**	6045	**3358**
SLU-GEO-052 MIN	0	370	0	2.60	142	142	**142**	6045	**3358**
SLU-GEO-053 MAX	0	318	0	2.60	122	122	**122**	6045	**3358**
SLU-GEO-053 MIN	0	318	0	2.60	122	122	**122**	6045	**3358**
SLU-GEO-054 MAX	0	318	0	2.60	122	122	**122**	6045	**3358**
SLU-GEO-054 MIN	0	318	0	2.60	122	122	**122**	6045	**3358**
SLU-GEO-055 MAX	0	318	0	2.60	122	122	**122**	6045	**3358**
SLU-GEO-055 MIN	0	318	0	2.60	122	122	**122**	6045	**3358**
SLU-GEO-056 MAX	0	318	0	2.60	122	122	**122**	6045	**3358**
SLU-GEO-056 MIN	0	318	0	2.60	122	122	**122**	6045	**3358**
SLU-GEO-057 MAX	7	412	6	2.60	152	165	**161**	5862	**3257**
SLU-GEO-057 MIN	7	412	6	2.60	152	165	**161**	5862	**3257**
SLU-GEO-058 MAX	7	412	6	2.60	152	165	**161**	5862	**3257**
SLU-GEO-058 MIN	7	412	6	2.60	152	165	**161**	5862	**3257**
SLU-GEO-059 MAX	7	412	6	2.60	152	165	**161**	5862	**3257**
SLU-GEO-059 MIN	7	412	6	2.60	152	165	**161**	5862	**3257**
SLU-GEO-060 MAX	7	412	6	2.60	152	165	**161**	5862	**3257**
SLU-GEO-060 MIN	7	412	6	2.60	152	165	**161**	5862	**3257**

Comb.	M [kNm/m]	N [kN/m]	H [kN/m]	B_{reag} [m]	σ_{min} [kN/m^2]	σ_{max} [kN/m^2]	σ_{Sd} [kN/m^2]	σ_{lim} [kN/m^2]	σ_{Rd} [kN/m^2]
SLU-GEO-061 MAX	13	412	11	2.60	147	170	**162**	5712	**3173**
SLU-GEO-061 MIN	13	412	11	2.60	147	170	**162**	5712	**3173**
SLU-GEO-062 MAX	13	412	11	2.60	147	170	**162**	5712	**3173**
SLU-GEO-062 MIN	13	412	11	2.60	147	170	**162**	5712	**3173**
SLU-GEO-063 MAX	13	412	11	2.60	147	170	**162**	5712	**3173**
SLU-GEO-063 MIN	13	412	11	2.60	147	170	**162**	5712	**3173**
SLU-GEO-064 MAX	13	412	11	2.60	147	170	**162**	5712	**3173**
SLU-GEO-064 MIN	13	412	11	2.60	147	170	**162**	5712	**3173**
SLU-GEO-065 MAX	7	360	6	2.60	132	145	**141**	5836	**3242**
SLU-GEO-065 MIN	7	360	6	2.60	132	145	**141**	5836	**3242**
SLU-GEO-066 MAX	7	360	6	2.60	132	145	**141**	5836	**3242**
SLU-GEO-066 MIN	7	360	6	2.60	132	145	**141**	5836	**3242**
SLU-GEO-067 MAX	7	360	6	2.60	132	145	**141**	5836	**3242**
SLU-GEO-067 MIN	7	360	6	2.60	132	145	**141**	5836	**3242**
SLU-GEO-068 MAX	7	360	6	2.60	132	145	**141**	5836	**3242**
SLU-GEO-068 MIN	7	360	6	2.60	132	145	**141**	5836	**3242**
SLU-GEO-069 MAX	13	360	11	2.60	127	150	**142**	5665	**3147**
SLU-GEO-069 MIN	13	360	11	2.60	127	150	**142**	5665	**3147**
SLU-GEO-070 MAX	13	360	11	2.60	127	150	**142**	5665	**3147**
SLU-GEO-070 MIN	13	360	11	2.60	127	150	**142**	5665	**3147**
SLU-GEO-071 MAX	13	360	11	2.60	127	150	**142**	5665	**3147**
SLU-GEO-071 MIN	13	360	11	2.60	127	150	**142**	5665	**3147**
SLU-GEO-072 MAX	13	360	11	2.60	127	150	**142**	5665	**3147**
SLU-GEO-072 MIN	13	360	11	2.60	127	150	**142**	5665	**3147**
SLU-GEO-073 MAX	46	370	42	2.60	101	183	**158**	4704	**2613**
SLU-GEO-073 MIN	46	370	42	2.60	101	183	**158**	4704	**2613**
SLU-GEO-074 MAX	46	370	42	2.60	101	183	**158**	4704	**2613**
SLU-GEO-074 MIN	46	370	42	2.60	101	183	**158**	4704	**2613**
SLU-GEO-075 MAX	46	370	42	2.60	101	183	**158**	4704	**2613**
SLU-GEO-075 MIN	46	370	42	2.60	101	183	**158**	4704	**2613**

Comb.	M [kNm/m]	N [kN/m]	H [kN/m]	B_{reag} [m]	σ_{min} [kN/m^2]	σ_{max} [kN/m^2]	σ_{Sd} [kN/m^2]	σ_{lim} [kN/m^2]	σ_{Rd} [kN/m^2]
SLU-GEO-076 MAX	46	370	42	2.60	101	183	**158**	4704	**2613**
SLU-GEO-076 MIN	46	370	42	2.60	101	183	**158**	4704	**2613**
SLU-GEO-077 MAX	46	318	42	2.60	81	163	**138**	4503	**2502**
SLU-GEO-077 MIN	46	318	42	2.60	81	163	**138**	4503	**2502**
SLU-GEO-078 MAX	46	318	42	2.60	81	163	**138**	4503	**2502**
SLU-GEO-078 MIN	46	318	42	2.60	81	163	**138**	4503	**2502**
SLU-GEO-079 MAX	46	318	42	2.60	81	163	**138**	4503	**2502**
SLU-GEO-079 MIN	46	318	42	2.60	81	163	**138**	4503	**2502**
SLU-GEO-080 MAX	46	318	42	2.60	81	163	**138**	4503	**2502**
SLU-GEO-080 MIN	46	318	42	2.60	81	163	**138**	4503	**2502**
SLU-GEO-081 MAX	56	412	50	2.60	109	208	**177**	4605	**2558**
SLU-GEO-081 MIN	56	412	50	2.60	109	208	**177**	4605	**2558**
SLU-GEO-082 MAX	56	412	50	2.60	109	208	**177**	4605	**2558**
SLU-GEO-082 MIN	56	412	50	2.60	109	208	**177**	4605	**2558**
SLU-GEO-083 MAX	56	412	50	2.60	109	208	**177**	4605	**2558**
SLU-GEO-083 MIN	56	412	50	2.60	109	208	**177**	4605	**2558**
SLU-GEO-084 MAX	56	412	50	2.60	109	208	**177**	4605	**2558**
SLU-GEO-084 MIN	56	412	50	2.60	109	208	**177**	4605	**2558**
SLU-GEO-085 MAX	59	412	52	2.60	106	211	**178**	4539	**2522**
SLU-GEO-085 MIN	59	412	52	2.60	106	211	**178**	4539	**2522**
SLU-GEO-086 MAX	59	412	52	2.60	106	211	**178**	4539	**2522**
SLU-GEO-086 MIN	59	412	52	2.60	106	211	**178**	4539	**2522**
SLU-GEO-087 MAX	59	412	52	2.60	106	211	**178**	4539	**2522**
SLU-GEO-087 MIN	59	412	52	2.60	106	211	**178**	4539	**2522**
SLU-GEO-088 MAX	59	412	52	2.60	106	211	**178**	4539	**2522**
SLU-GEO-088 MIN	59	412	52	2.60	106	211	**178**	4539	**2522**
SLU-GEO-089 MAX	56	360	50	2.60	89	188	**157**	4415	**2453**
SLU-GEO-089 MIN	56	360	50	2.60	89	188	**157**	4415	**2453**
SLU-GEO-090 MAX	56	360	50	2.60	89	188	**157**	4415	**2453**
SLU-GEO-090 MIN	56	360	50	2.60	89	188	**157**	4415	**2453**

Comb.	M [kNm/m]	N [kN/m]	H [kN/m]	B_{reag} [m]	q_{min} [kN/m^2]	q_{max} [kN/m^2]	q_{Sd} [kN/m^2]	q_{lim} [kN/m^2]	q_{Rd} [kN/m^2]
SLU-GEO-091 MAX	56	360	50	2.60	89	188	**157**	4415	**2453**
SLU-GEO-091 MIN	56	360	50	2.60	89	188	**157**	4415	**2453**
SLU-GEO-092 MAX	56	360	50	2.60	89	188	**157**	4415	**2453**
SLU-GEO-092 MIN	56	360	50	2.60	89	188	**157**	4415	**2453**
SLU-GEO-093 MAX	59	360	52	2.60	86	191	**159**	4342	**2412**
SLU-GEO-093 MIN	59	360	52	2.60	86	191	**159**	4342	**2412**
SLU-GEO-094 MAX	59	360	52	2.60	86	191	**159**	4342	**2412**
SLU-GEO-094 MIN	59	360	52	2.60	86	191	**159**	4342	**2412**
SLU-GEO-095 MAX	59	360	52	2.60	86	191	**159**	4342	**2412**
SLU-GEO-095 MIN	59	360	52	2.60	86	191	**159**	4342	**2412**
SLU-GEO-096 MAX	59	360	52	2.60	86	191	**159**	4342	**2412**
SLU-GEO-096 MIN	59	360	52	2.60	86	191	**159**	4342	**2412**
SLU-GEO-097 MAX	179	426	82	2.60	5	323	**242**	3763	**2091**
SLU-GEO-097 MIN	179	426	82	2.60	5	323	**242**	3763	**2091**
SLU-GEO-098 MAX	179	426	82	2.60	5	323	**242**	3763	**2091**
SLU-GEO-098 MIN	179	426	82	2.60	5	323	**242**	3763	**2091**
SLU-GEO-099 MAX	179	426	82	2.60	5	323	**242**	3763	**2091**
SLU-GEO-099 MIN	179	426	82	2.60	5	323	**242**	3763	**2091**
SLU-GEO-100 MAX	179	426	82	2.60	5	323	**242**	3763	**2091**
SLU-GEO-100 MIN	179	426	82	2.60	5	323	**242**	3763	**2091**
SLU-GEO-101 MAX	191	426	93	2.55	0	334	**250**	3531	**1961**
SLU-GEO-101 MIN	191	426	93	2.55	0	334	**250**	3531	**1961**
SLU-GEO-102 MAX	191	426	93	2.55	0	334	**250**	3531	**1962**
SLU-GEO-102 MIN	191	426	93	2.55	0	334	**250**	3531	**1962**
SLU-GEO-103 MAX	191	426	93	2.55	0	334	**250**	3531	**1962**
SLU-GEO-103 MIN	191	426	93	2.55	0	334	**250**	3531	**1962**
SLU-GEO-104 MAX	191	426	93	2.55	0	334	**250**	3531	**1962**
SLU-GEO-104 MIN	191	426	93	2.55	0	334	**250**	3531	**1962**
SLU-GEO-105 MAX	179	374	82	2.46	0	304	**228**	3496	**1942**
SLU-GEO-105 MIN	179	374	82	2.46	0	304	**228**	3496	**1942**

Comb.	M [kNm/m]	N [kN/m]	H [kN/m]	B_{reag} [m]	σ_{min} [kN/m^2]	σ_{max} [kN/m^2]	σ_{Sd} [kN/m^2]	σ_{lim} [kN/m^2]	σ_{Rd} [kN/m^2]
SLU-GEO-106 MAX	179	374	82	2.46	0	304	**228**	3496	**1942**
SLU-GEO-106 MIN	179	374	82	2.46	0	304	**228**	3496	**1942**
SLU-GEO-107 MAX	179	374	82	2.46	0	304	**228**	3496	**1942**
SLU-GEO-107 MIN	179	374	82	2.46	0	304	**228**	3496	**1942**
SLU-GEO-108 MAX	179	374	82	2.46	0	304	**228**	3496	**1942**
SLU-GEO-108 MIN	179	374	82	2.46	0	304	**228**	3496	**1942**
SLU-GEO-109 MAX	191	374	93	2.37	0	316	**237**	3243	**1802**
SLU-GEO-109 MIN	191	374	93	2.37	0	316	**237**	3243	**1802**
SLU-GEO-110 MAX	191	374	93	2.37	0	316	**237**	3243	**1802**
SLU-GEO-110 MIN	191	374	93	2.37	0	316	**237**	3243	**1802**
SLU-GEO-111 MAX	191	374	93	2.37	0	316	**237**	3243	**1802**
SLU-GEO-111 MIN	191	374	93	2.37	0	316	**237**	3243	**1802**
SLU-GEO-112 MAX	191	374	93	2.37	0	316	**237**	3243	**1802**
SLU-GEO-112 MIN	191	374	93	2.37	0	316	**237**	3243	**1802**
SLU-GEO-113 MAX	258	426	153	2.08	0	409	**307**	2338	**1299**
SLU-GEO-113 MIN	258	426	153	2.08	0	409	**307**	2338	**1299**
SLU-GEO-114 MAX	258	426	153	2.08	0	409	**307**	2338	**1299**
SLU-GEO-114 MIN	258	426	153	2.08	0	409	**307**	2338	**1299**
SLU-GEO-115 MAX	258	426	153	2.08	0	409	**307**	2338	**1299**
SLU-GEO-115 MIN	258	426	153	2.08	0	409	**307**	2338	**1299**
SLU-GEO-116 MAX	258	426	153	2.08	0	409	**307**	2338	**1299**
SLU-GEO-116 MIN	258	426	153	2.08	0	409	**307**	2338	**1299**
SLU-GEO-117 MAX	264	426	158	2.04	0	417	**313**	2248	**1249**
SLU-GEO-117 MIN	264	426	158	2.04	0	417	**313**	2248	**1249**
SLU-GEO-118 MAX	264	426	158	2.04	0	417	**313**	2248	**1249**
SLU-GEO-118 MIN	264	426	158	2.04	0	417	**313**	2248	**1249**
SLU-GEO-119 MAX	264	426	158	2.04	0	417	**313**	2248	**1249**
SLU-GEO-119 MIN	264	426	158	2.04	0	417	**313**	2248	**1249**
SLU-GEO-120 MAX	264	426	158	2.04	0	417	**313**	2248	**1249**
SLU-GEO-120 MIN	264	426	158	2.04	0	417	**313**	2248	**1249**

Comb.	M [kNm/m]	N [kN/m]	H [kN/m]	B_{reag} [m]	σ_{min} [kN/m^2]	σ_{max} [kN/m^2]	σ_{Sd} [kN/m^2]	σ_{lim} [kN/m^2]	σ_{Rd} [kN/m^2]
SLU-GEO-121 MAX	258	374	153	1.83	0	408	**306**	1972	**1096**
SLU-GEO-121 MIN	258	374	153	1.83	0	408	**306**	1972	**1096**
SLU-GEO-122 MAX	258	374	153	1.83	0	408	**306**	1972	**1096**
SLU-GEO-122 MIN	258	374	153	1.83	0	408	**306**	1972	**1096**
SLU-GEO-123 MAX	258	374	153	1.83	0	408	**306**	1972	**1096**
SLU-GEO-123 MIN	258	374	153	1.83	0	408	**306**	1972	**1096**
SLU-GEO-124 MAX	258	374	153	1.83	0	408	**306**	1972	**1096**
SLU-GEO-124 MIN	258	374	153	1.83	0	408	**306**	1972	**1096**
SLU-GEO-125 MAX	264	374	158	1.78	0	420	**315**	1878	**1044**
SLU-GEO-125 MIN	264	374	158	1.78	0	420	**315**	1878	**1044**
SLU-GEO-126 MAX	264	374	158	1.78	0	420	**315**	1878	**1044**
SLU-GEO-126 MIN	264	374	158	1.78	0	420	**315**	1878	**1044**
SLU-GEO-127 MAX	264	374	158	1.78	0	420	**315**	1878	**1044**
SLU-GEO-127 MIN	264	374	158	1.78	0	420	**315**	1878	**1044**
SLU-GEO-128 MAX	264	374	158	1.78	0	420	**315**	1878	**1044**
SLU-GEO-128 MIN	264	374	158	1.78	0	420	**315**	1878	**1044**
SLU-GEO-129 MAX	174	426	78	2.60	10	318	**239**	3867	**2148**
SLU-GEO-129 MIN	174	426	78	2.60	10	318	**239**	3867	**2148**
SLU-GEO-130 MAX	174	426	78	2.60	10	318	**239**	3867	**2148**
SLU-GEO-130 MIN	174	426	78	2.60	10	318	**239**	3867	**2148**
SLU-GEO-131 MAX	174	426	78	2.60	10	318	**239**	3867	**2148**
SLU-GEO-131 MIN	174	426	78	2.60	10	318	**239**	3867	**2148**
SLU-GEO-132 MAX	174	426	78	2.60	10	318	**239**	3867	**2148**
SLU-GEO-132 MIN	174	426	78	2.60	10	318	**239**	3867	**2148**
SLU-GEO-133 MAX	181	426	84	2.60	3	325	**244**	3716	**2065**
SLU-GEO-133 MIN	181	426	84	2.60	3	325	**244**	3716	**2065**
SLU-GEO-134 MAX	181	426	84	2.60	3	325	**244**	3716	**2064**
SLU-GEO-134 MIN	181	426	84	2.60	3	325	**244**	3716	**2064**
SLU-GEO-135 MAX	181	426	84	2.60	3	325	**244**	3716	**2065**
SLU-GEO-135 MIN	181	426	84	2.60	3	325	**244**	3716	**2065**

Comb.	M [kNm/m]	N [kN/m]	H [kN/m]	B_{reag} [m]	σ_{min} [kN/m^2]	σ_{max} [kN/m^2]	σ_{Sd} [kN/m^2]	σ_{lim} [kN/m^2]	σ_{Rd} [kN/m^2]
SLU-GEO-136 MAX	181	426	84	2.60	3	325	**244**	3716	**2065**
SLU-GEO-136 MIN	181	426	84	2.60	3	325	**244**	3716	**2065**
SLU-GEO-137 MAX	174	374	78	2.51	0	298	**224**	3609	**2005**
SLU-GEO-137 MIN	174	374	78	2.51	0	298	**224**	3609	**2005**
SLU-GEO-138 MAX	174	374	78	2.51	0	298	**224**	3609	**2005**
SLU-GEO-138 MIN	174	374	78	2.51	0	298	**224**	3609	**2005**
SLU-GEO-139 MAX	174	374	78	2.51	0	298	**224**	3609	**2005**
SLU-GEO-139 MIN	174	374	78	2.51	0	298	**224**	3609	**2005**
SLU-GEO-140 MAX	174	374	78	2.51	0	298	**224**	3609	**2005**
SLU-GEO-140 MIN	174	374	78	2.51	0	298	**224**	3609	**2005**
SLU-GEO-141 MAX	181	374	84	2.45	0	306	**230**	3444	**1914**
SLU-GEO-141 MIN	181	374	84	2.45	0	306	**230**	3444	**1914**
SLU-GEO-142 MAX	181	374	84	2.45	0	306	**230**	3444	**1914**
SLU-GEO-142 MIN	181	374	84	2.45	0	306	**230**	3444	**1914**
SLU-GEO-143 MAX	181	374	84	2.45	0	306	**230**	3444	**1914**
SLU-GEO-143 MIN	181	374	84	2.45	0	306	**230**	3444	**1914**
SLU-GEO-144 MAX	181	374	84	2.45	0	306	**230**	3444	**1914**
SLU-GEO-144 MIN	181	374	84	2.45	0	306	**230**	3444	**1914**
SLU-GEO-145 MAX	224	426	123	2.33	0	367	**275**	2905	**1614**
SLU-GEO-145 MIN	224	426	123	2.33	0	367	**275**	2905	**1614**
SLU-GEO-146 MAX	224	426	123	2.33	0	367	**275**	2905	**1614**
SLU-GEO-146 MIN	224	426	123	2.33	0	367	**275**	2905	**1614**
SLU-GEO-147 MAX	224	426	123	2.33	0	367	**275**	2905	**1614**
SLU-GEO-147 MIN	224	426	123	2.33	0	367	**275**	2905	**1614**
SLU-GEO-148 MAX	224	426	123	2.33	0	367	**275**	2905	**1614**
SLU-GEO-148 MIN	224	426	123	2.33	0	367	**275**	2905	**1614**
SLU-GEO-149 MAX	228	426	126	2.30	0	371	**278**	2840	**1578**
SLU-GEO-149 MIN	228	426	126	2.30	0	371	**278**	2840	**1578**
SLU-GEO-150 MAX	228	426	126	2.30	0	371	**278**	2840	**1578**
SLU-GEO-150 MIN	228	426	126	2.30	0	371	**278**	2840	**1578**

Comb.	M [kNm/m]	N [kN/m]	H [kN/m]	B_{reag} [m]	σ_{min} [kN/m^2]	σ_{max} [kN/m^2]	σ_{Sd} [kN/m^2]	σ_{lim} [kN/m^2]	σ_{Rd} [kN/m^2]
SLU-GEO-151 MAX	228	426	126	2.30	0	371	**278**	2840	**1578**
SLU-GEO-151 MIN	228	426	126	2.30	0	371	**278**	2840	**1578**
SLU-GEO-152 MAX	228	426	126	2.30	0	371	**278**	2840	**1578**
SLU-GEO-152 MIN	228	426	126	2.30	0	371	**278**	2840	**1578**
SLU-GEO-153 MAX	224	374	123	2.11	0	355	**266**	2568	**1427**
SLU-GEO-153 MIN	224	374	123	2.11	0	355	**266**	2568	**1427**
SLU-GEO-154 MAX	224	374	123	2.11	0	355	**266**	2568	**1427**
SLU-GEO-154 MIN	224	374	123	2.11	0	355	**266**	2568	**1427**
SLU-GEO-155 MAX	224	374	123	2.11	0	355	**266**	2568	**1427**
SLU-GEO-155 MIN	224	374	123	2.11	0	355	**266**	2568	**1427**
SLU-GEO-156 MAX	224	374	123	2.11	0	355	**266**	2568	**1427**
SLU-GEO-156 MIN	224	374	123	2.11	0	355	**266**	2568	**1427**
SLU-GEO-157 MAX	228	374	126	2.07	0	361	**270**	2499	**1389**
SLU-GEO-157 MIN	228	374	126	2.07	0	361	**270**	2499	**1389**
SLU-GEO-158 MAX	228	374	126	2.07	0	361	**270**	2499	**1389**
SLU-GEO-158 MIN	228	374	126	2.07	0	361	**270**	2499	**1389**
SLU-GEO-159 MAX	228	374	126	2.07	0	361	**270**	2499	**1389**
SLU-GEO-159 MIN	228	374	126	2.07	0	361	**270**	2499	**1389**
SLU-GEO-160 MAX	228	374	126	2.07	0	361	**270**	2499	**1389**
SLU-GEO-160 MIN	228	374	126	2.07	0	361	**270**	2499	**1389**
SLU-SIS-01 MAX	282	368	158	1.60	0	461	**346**	1815	**1008**
SLU-SIS-01 MIN	282	368	158	1.60	0	461	**346**	1815	**1008**
SLU-SIS-02 MAX	282	368	158	1.60	0	461	**346**	1815	**1008**
SLU-SIS-02 MIN	282	368	158	1.60	0	461	**346**	1815	**1008**
SLU-SIS-03 MAX	282	368	158	1.60	0	461	**346**	1815	**1008**
SLU-SIS-03 MIN	282	368	158	1.60	0	461	**346**	1815	**1008**
SLU-SIS-04 MAX	282	368	158	1.60	0	461	**346**	1815	**1008**
SLU-SIS-04 MIN	282	368	158	1.60	0	461	**346**	1815	**1008**
SLU-SIS-05 MAX	281	326	156	1.32	0	495	**371**	1504	**835**
SLU-SIS-05 MIN	281	326	156	1.32	0	495	**371**	1504	**835**

Comb.	M [kNm/m]	N [kN/m]	H [kN/m]	B_{reag} [m]	σ_{min} [kN/m^2]	σ_{max} [kN/m^2]	σ_{Sd} [kN/m^2]	σ_{lim} [kN/m^2]	σ_{Rd} [kN/m^2]
SLU-SIS-06 MAX	281	326	156	1.32	0	495	**371**	1504	**835**
SLU-SIS-06 MIN	281	326	156	1.32	0	495	**371**	1504	**835**
SLU-SIS-07 MAX	281	326	156	1.32	0	495	**371**	1504	**835**
SLU-SIS-07 MIN	281	326	156	1.32	0	495	**371**	1504	**835**
SLU-SIS-08 MAX	281	326	156	1.32	0	495	**371**	1504	**835**
SLU-SIS-08 MIN	281	326	156	1.32	0	495	**371**	1504	**835**
SLU-SIS-09 MAX	48	389	14	2.60	107	192	**165**	5540	**3078**
SLU-SIS-09 MIN	48	389	14	2.60	107	192	**165**	5540	**3078**
SLU-SIS-10 MAX	48	389	14	2.60	107	192	**165**	5540	**3078**
SLU-SIS-10 MIN	48	389	14	2.60	107	192	**165**	5540	**3078**
SLU-SIS-11 MAX	48	389	14	2.60	107	192	**165**	5540	**3078**
SLU-SIS-11 MIN	48	389	14	2.60	107	192	**165**	5540	**3078**
SLU-SIS-12 MAX	48	389	14	2.60	107	192	**165**	5540	**3078**
SLU-SIS-12 MIN	48	389	14	2.60	107	192	**165**	5540	**3078**
SLU-SIS-13 MAX	47	343	13	2.60	90	174	**148**	5498	**3054**
SLU-SIS-13 MIN	47	343	13	2.60	90	174	**148**	5498	**3054**
SLU-SIS-14 MAX	47	343	13	2.60	90	174	**148**	5498	**3054**
SLU-SIS-14 MIN	47	343	13	2.60	90	174	**148**	5498	**3054**
SLU-SIS-15 MAX	47	343	13	2.60	90	174	**148**	5498	**3054**
SLU-SIS-15 MIN	47	343	13	2.60	90	174	**148**	5498	**3054**
SLU-SIS-16 MAX	47	343	13	2.60	90	174	**148**	5498	**3054**
SLU-SIS-16 MIN	47	343	13	2.60	90	174	**148**	5498	**3054**
SLU-SIS-17 MAX	62	368	56	2.60	86	196	**162**	4262	**2368**
SLU-SIS-17 MIN	62	368	56	2.60	86	196	**162**	4262	**2368**
SLU-SIS-18 MAX	62	368	56	2.60	86	196	**162**	4262	**2368**
SLU-SIS-18 MIN	62	368	56	2.60	86	196	**162**	4262	**2368**
SLU-SIS-19 MAX	62	368	56	2.60	86	196	**162**	4262	**2368**
SLU-SIS-19 MIN	62	368	56	2.60	86	196	**162**	4262	**2368**
SLU-SIS-20 MAX	62	368	56	2.60	86	196	**162**	4262	**2368**
SLU-SIS-20 MIN	62	368	56	2.60	86	196	**162**	4262	**2368**

Comb.	M [kNm/m]	N [kN/m]	H [kN/m]	B_{reag} [m]	σ_{min} [kN/m^2]	σ_{max} [kN/m^2]	σ_{Sd} [kN/m^2]	σ_{lim} [kN/m^2]	σ_{Rd} [kN/m^2]
SLU-SIS-21 MAX	60	326	54	2.60	72	179	**146**	4128	**2293**
SLU-SIS-21 MIN	60	326	54	2.60	72	179	**146**	4128	**2293**
SLU-SIS-22 MAX	60	326	54	2.60	72	179	**146**	4128	**2293**
SLU-SIS-22 MIN	60	326	54	2.60	72	179	**146**	4128	**2293**
SLU-SIS-23 MAX	60	326	54	2.60	72	179	**146**	4128	**2293**
SLU-SIS-23 MIN	60	326	54	2.60	72	179	**146**	4128	**2293**
SLU-SIS-24 MAX	60	326	54	2.60	72	179	**146**	4128	**2293**
SLU-SIS-24 MIN	60	326	54	2.60	72	179	**146**	4128	**2293**
SLU-SIS-25 MAX	21	389	19	2.60	131	169	**156**	5433	**3018**
SLU-SIS-25 MIN	21	389	19	2.60	131	169	**156**	5433	**3018**
SLU-SIS-26 MAX	21	389	19	2.60	131	169	**156**	5433	**3018**
SLU-SIS-26 MIN	21	389	19	2.60	131	169	**156**	5433	**3018**
SLU-SIS-27 MAX	21	389	19	2.60	131	169	**156**	5433	**3018**
SLU-SIS-27 MIN	21	389	19	2.60	131	169	**156**	5433	**3018**
SLU-SIS-28 MAX	21	389	19	2.60	131	169	**156**	5433	**3018**
SLU-SIS-28 MIN	21	389	19	2.60	131	169	**156**	5433	**3018**
SLU-SIS-29 MAX	22	343	20	2.60	113	152	**139**	5331	**2962**
SLU-SIS-29 MIN	22	343	20	2.60	113	152	**139**	5331	**2962**
SLU-SIS-30 MAX	22	343	20	2.60	113	152	**139**	5331	**2962**
SLU-SIS-30 MIN	22	343	20	2.60	113	152	**139**	5331	**2962**
SLU-SIS-31 MAX	22	343	20	2.60	113	152	**139**	5331	**2962**
SLU-SIS-31 MIN	22	343	20	2.60	113	152	**139**	5331	**2962**
SLU-SIS-32 MAX	22	343	20	2.60	113	152	**139**	5331	**2962**
SLU-SIS-32 MIN	22	343	20	2.60	113	152	**139**	5331	**2962**

In tutte le combinazioni di carico analizzate la portata della fondazione risulta verificata.

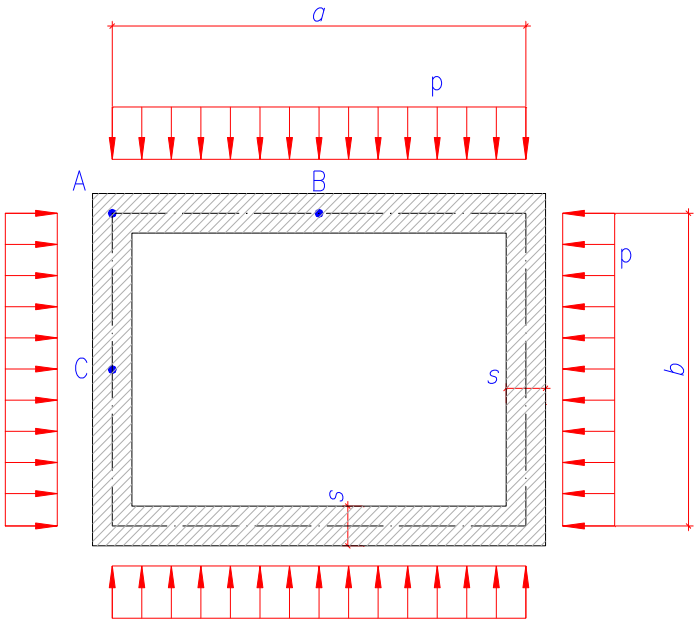
9 ANALISI MANUFATTO D'IMBOCCO

Per il dimensionamento delle camerette di ispezione si considera il massimo ricoprimento H = 5.0 m e le dimensioni interne in pianta 4.50 m X 3.00 m, lo spessore delle pareti è pari a 0.40 m.

9.1 ANALISI STATICA RITTI SEZIONE TRASVERSALE

9.1.1 SCHEMA STATICO

L'analisi statica è stata svolta studiando tre sezioni trasversali della cameretta di ispezione, di dimensioni *a* ◘ *b*, come telaio chiuso soggetto a carichi distribuiti uniformi di valore *p*.



Per quanto riguarda la caratterizzazione geotecnica si rimanda completamente ai paragrafi precedenti.

Le principali caratteristiche geometriche utilizzate nel calcolo del telaio sono le seguenti:

Dimensioni (m)	Spessore (m)	Profondità (m)
4.90 ◘ 3.40	0.40	5.00

9.1.2 ANALISI DEI CARICHI

Per il calcolo della struttura si sono considerati i seguenti carichi:

Spinta laterale del terreno (a riposo)

La spinta laterale del terreno sulla struttura avrà una distribuzione triangolare con un valore massimo alla base. I valori di spinta assunti nel calcolo della struttura si ottengono tramite la seguente formula:

$$S_T \quad k_0 \quad h_T \quad 0.38 \;\; 20 \;\; 5.0 \quad 38.0\,kN/m^2$$

Spinta del sovraccarico accidentale sulla parete laterale della cameretta

Considerando un sovraccarico agente sul terreno pari a 20.0 kN/m^2 posizionato in modo tale da generare delle spinte orizzontali sulla parete della struttura.

$$S_{ACC} \quad q \;\; k_0 \quad 20.00 \;\; 0.38 \quad 7.60\,kN/m^2$$

9.1.3 CALCOLO DELLE SOLLECITAZIONI

Con riferimento allo schema statico riportato precedentemente si ottiene il carico uniformemente distribuito sommando il contributo del sovraccarico accidentale a quello della spinta del terreno:

SLE	$p = S_T + S_{ACC} =$	61.56 kN/m^2
SLU	$p = 1.35 \cdot S_T + 1.35 \cdot S_{ACC} =$	45.60 kN/m^2
FESS_QP	$p = S_T =$	38.00 kN/m^2
FESS_FR	$p = S_T + 0.7 \cdot S_{ACC} =$	43.32 kN/m^2

Considerando il rapporto k dato da:

$$k \quad \frac{b}{a} \quad 1.44$$

$$N_B \quad \frac{p \quad b}{2} \; ; \; M_A \quad \frac{p \quad a^2 \quad b^2 \quad k}{12 \quad (1 \quad k)} \; ; \; M_B \quad \frac{p \quad a^2}{8} \quad M_A \; , \; N_C \quad \frac{p \quad a}{2} \; ; \; M_C \quad \frac{p \quad b^2}{8} \quad M_A \; ; \; T_{MAX} \quad N_B \quad N_C$$

si ottengono le seguenti sollecitazioni:

	N_B [kN]	M_A [kNm]	M_B [kNm]	N_c [kN]	M_C [kNm]	T_{MAX} [kN]
SLE	111.72	71.86	5.97	77.52	-65.00	111.72
SLU	150.82	97.01	8.05	104.65	-87.75	150.82
FESS_QP	93.10	59.88	4.97	64.60	-54.17	93.10
FESS_FR	106.13	68.27	5.67	73.64	-61.75	106.13

9.2 VERIFICHE A STATO LIMITE DI ESERCIZIO

Tutte le condizioni di carico vengono utilizzate per le verifiche a Stato Limite di Esercizio, mentre per le verifiche a Stato Limite di Fessurazione vengono utilizzate le sole condizioni di carico 3-4 (combinazioni Frequenti) e 5-6 (combinazioni Quasi Permanenti).

```
Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Coefficiente d'omogeneizzazione dell'armatura =15

Condizione di carico 1

Momento        =      71.9(KN.m)
Sforzo normale =     -77.5(KN)

Compressione massima nel calcestruzzo   =   -5.59(N/mm²)
Trazione massima nell'acciaio           =  244.99(N/mm²)
Distanza asse neutro da lembo compresso =    8.8 (cm)
Braccio di leva interno           =   31.0 (cm)

Condizione di carico 2

Momento        =     -65.0(KN.m)
Sforzo normale =     -77.5(KN)

Compressione massima nel calcestruzzo   =   -5.05(N/mm²)
Trazione massima nell'acciaio           =  217.05(N/mm²)
Distanza asse neutro da lembo compresso =    8.9 (cm)
Braccio di leva interno           =   30.9 (cm)

Condizione di carico 3

Momento        =      68.3(KN.m)
Sforzo normale =     -73.6(KN)

Compressione massima nel calcestruzzo   =   -5.31(N/mm²)
Trazione massima nell'acciaio           =  232.75(N/mm²)
Distanza asse neutro da lembo compresso =    8.8 (cm)
Braccio di leva interno           =   31.0 (cm)

Condizione di carico 4

Momento        =     -61.8(KN.m)
```

```
Sforzo normale =     -73.6(KN)

Compressione massima nel calcestruzzo   =   -4.79(N/mm²)
Trazione massima nell'acciaio           =  206.20(N/mm²)
Distanza asse neutro da lembo compresso =    8.9 (cm)
Braccio di leva interno           =   30.9 (cm)
```

Condizione di carico 5

```
Momento        =      59.9(KN.m)
Sforzo normale =     -64.6(KN)

Compressione massima nel calcestruzzo   =   -4.66(N/mm²)
Trazione massima nell'acciaio           =  204.14(N/mm²)
Distanza asse neutro da lembo compresso =    8.8 (cm)
Braccio di leva interno           =   31.0 (cm)
```

Condizione di carico 6

```
Momento        =     -54.2(KN.m)
Sforzo normale =     -64.6(KN)

Compressione massima nel calcestruzzo   =   -4.20(N/mm²)
Trazione massima nell'acciaio           =  180.89(N/mm²)
Distanza asse neutro da lembo compresso =    8.9 (cm)
Braccio di leva interno           =   30.9 (cm)
```

Le tensioni nell’acciaio e nel calcestruzzo risultano inferiori alle tensioni limite da normativa.

9.3 VERIFICHE A STATO LIMITE DI FESSURAZIONE

9.3.1 COMBINAZIONI QUASI PERMANENTI

Momento positivo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'intradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  14.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (f_ctm) =  31.5  kg/cm^2
Momento di prima fessurazione (■  = 0.7 · 1.2·f_ctm) =  82.92 (KN.m)
Momento di fessurazione (■  = f_ctm)            =  98.71 (KN.m)
```

La verifica a fessurazione perde di significato poichè il momento di 1° fessurazione risulta superiore al momento sollecitante.

Momento negativo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'estradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  14.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (f_ctm) =  31.5  kg/cm^2
Momento di prima fessurazione (■  = 0.7 · 1.2·f_ctm) =  83.60 (KN.m)
Momento di fessurazione (■  = f_ctm)            = -99.53 (KN.m)
```

La verifica a fessurazione perde di significato poichè il momento di 1° fessurazione risulta superiore al momento sollecitante.

9.3.2 COMBINAZIONI FREQUENTI

Momento positivo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'intradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  14.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm-1
Trazione calcestruzzo di fessurazione (fctm) =  31.5  kg/cm2
Momento di prima fessurazione (■  = 0.7 · 1.2·fctm) =  82.92 (KN.m)
Momento di fessurazione (■  = fctm)            =  98.71 (KN.m)
```

La verifica a fessurazione perde di significato poichè il momento di 1° fessurazione risulta superiore al momento sollecitante.

Momento negativo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'intradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  14.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (f_ctm) =  31.5  kg/cm^2
Momento di prima fessurazione (■  = 0.7 · 1.2·f_ctm) =  83.60 (KN.m)
Momento di fessurazione (■  = f_ctm)            =  99.53 (KN.m)
```

La verifica a fessurazione perde di significato poichè il momento di 1° fessurazione risulta superiore al momento sollecitante.

9.4 VERIFICHE A STATO LIMITE ULTIMO

9.4.1 FLESSIONE

```
METODO SEMIPROBABILISTICO - VERIFICA A ROTTURA

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Caratteristiche Fisico-Elastiche dei materiali

Modulo Elastico acciaio normale          =  210000.0(N/mm²)
Modulo Elastico calcestruzzo             =   36000.0(N/mm²)
Resistenza cubica del calcestruzzo:  Rck  =   40.00(N/mm²)
Resistenza cubica iniziale (alla tesatura):Rckj  =   32.00(N/mm²)
Soglia di snervamento acciaio normale: Fyk       =  440.00(N/mm²)

Ipotesi di calcolo

Legge costitutiva del calcestruzzo :      Parabola Rettangolo
Accorciamento ultimo a flessione = 0.3500 %
Accorciamento ultimo a compress. = 0.2000 %
Legge costitutiva dell'acciaio normale :  Bilineare
Allungamento ultimo acciaio normale =  0.675 %
Coefficiente di sicurezza calcestruzzo : γc = 1.500
Coefficiente di sicurezza acciaio : γs = 1.150
Termine di lunga durata : F1 = 0.850
Rapporto Rcyl/Rcubo: F2 = 0.830
Resistenza di progetto calcestruzzo : F1·F2·Rcubo/γc = 0.47Rcubo
Resistenza di progetto dell'acciaio : Fsd = Fyk/γs = 0.87Fyk

Resistenze di progetto

Calcestruzzo             =   18.81(N/mm²)
Acciaio normale          =  382.61(N/mm²)

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Condizione di carico 1

Momento di Progetto Md  =      97.0(KN.m)
Sforzo di Progetto  Nd  =    -104.7(KN)

Distanza asse neutro da lembo compresso =    4.9 (cm)
Momento di Rottura  Mr  =     116.0(KN.m)
Sforzo di Rottura   Nr  =    -104.2(KN)
Rottura nel Dominio  2
Rapporto Mr/Md  =  1.196
```

Condizione di carico 2

Momento di Progetto M_d = -87.8(KN.m)
Sforzo di Progetto N_d = -104.7(KN)

Distanza asse neutro da lembo compresso = 4.9 (cm)
Momento di Rottura M_r = -116.0(KN.m)
Sforzo di Rottura N_r = -104.2(KN)
Rottura nel Dominio 2
Rapporto M_r/M_d = 1.322

9.4.2 TAGLIO

Verifiche senza armatura trasversale resistente a taglio

Con riferimento al paragrafo 4.1.2.1.3.1 del D.M. 14/01/2008, la resistenza alle sollecitazioni taglianti di elementi sprovvisti di apposita armatura a taglio è valutata con la seguente espressione:

$$V_{Rd} \quad [0.18 \;\; k \;\; (100 \quad {}_1 \;\; f_{ck})^{1/3} \; / \; {}_c \quad 0.15 \quad {}_{cp}] \;\; b_w \;\; d \quad (v_{min} \quad 0.15 \quad {}_{cp}) \;\; b_w \;\; d$$

con:

$$k \quad 1 \quad (200 / d)^{1/2} \quad 2$$

$$v_{min} \quad 0.035 \;\; k^{3/2} \;\; f_{ck}^{3/2}$$

dove: d = altezza utile della sezione (in mm);

$\square_1 = A_{sl} / (b_w \square d)$ = rapporto geometrico di armatura longitudinale ($\square$ 0.02);

$\square_{cp} = N_{Ed} / A_c$ = tensione media di compressione nella sezione ($\square$ 0.2$\square$ f_{cd});

b_w = larghezza minima della sezione (in mm).

Di seguito viene presentata la tabella di verifica della sezione.

Caratteristiche dei materiali:

Resistenza caratteristica a compressione cubica cls	R_{ck}	=	**40**	N/mm^2
Resistenza caratteristica a compressione cilindrica cls	f_{ck}	=	33	N/mm^2
Resistenza di calcolo a compressone del cls	f_{cd}	=	18.81	N/mm^2
Resistenza di calcolo a trazione dell'acciaio	F_{yd}	=	391.30	N/mm^2

Sollecitazioni di verifica (S.L.U.):

Valore di calcolo dello sforzo di taglio agente	V_{Ed}	=	**150.82**	kN
Valore di calcolo della forza assiale associata a V_{Ed}	N (V_{Ed})	=	**104.65**	kN
Valore di calcolo del momento flettente associato a V_{Ed}	M (V_{Ed})	=	**87.75**	kNm

Caratteristiche geometriche della sezione:

Altezza utile della sezione	d	=	**343**	mm
Larghezza minima della sezione	b_w	=	**1000**	mm

Armatura della sezione in zona tesa:

Diametro ferri longitudinali	$\square$	=	**14**	mm
Numero tondini longitudinali utilizzati	n°	=	**5**	-
Area totale di armatura longitudinale in zona tesa	A_{sl}	=	770	mm^2
Rapporto geometrico dell'armatura longitud. (≤ 0.02)	$\square_l$	=	0.0022	-

Calcolo del taglio resistente:

Fattore dipendente dall'altezza utile della sezione (≤ 2)	k	=	1.76	-
Tensione dipendente dal fattore k e dalla resist. del cls	v_{min}	=	0.47	N/mm^2
Tensione media di compress. nella sezione (≤ 0.2¤f_{cd})	¤$_{cp}$	=	0.31	N/mm^2
Resistenza ultima a taglio minima	$V_{Rd,min}$	=	177.70	kN
Resistenza ultima a taglio (V_{Rd} ¤ $V_{Rd,min}$)	V_{Rd}	=	**177.70**	kN

Dato che la verifica risulta soddisfatta non occorre disporre un'apposita armatura resistente a taglio.

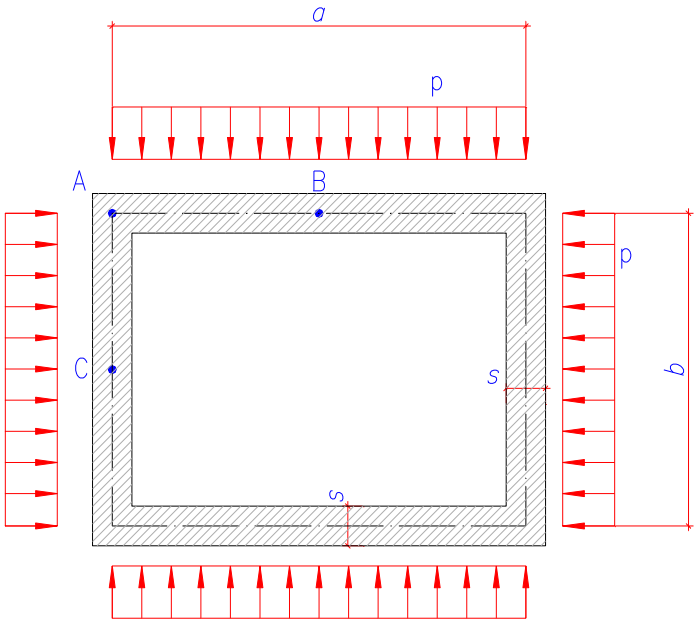
10 ANALISI POZZETTO DI CADUTA

Per il dimensionamento delle camerette di ispezione si considera il massimo ricoprimento H = 8.5 m e le dimensioni interne in pianta 3.00 m X 2.00 m, lo spessore delle pareti è pari a 0.40 m.

10.1 ANALISI STATICA RITTI SEZIONE TRASVERSALE

10.1.1 SCHEMA STATICO

L'analisi statica è stata svolta studiando tre sezioni trasversali della cameretta di ispezione, di dimensioni *a* ◘ *b*, come telaio chiuso soggetto a carichi distribuiti uniformi di valore *p*.



Per quanto riguarda la caratterizzazione geotecnica si rimanda completamente ai paragrafi precedenti.

Le principali caratteristiche geometriche utilizzate nel calcolo del telaio sono le seguenti:

Dimensioni (m)	Spessore (m)	Profondità (m)
3.40 ◘ 2.40	0.40	8.50

10.1.2 ANALISI DEI CARICHI

Per il calcolo della struttura si sono considerati i seguenti carichi:

Spinta laterale del terreno (a riposo)

La spinta laterale del terreno sulla struttura avrà una distribuzione triangolare con un valore massimo alla base. I valori di spinta assunti nel calcolo della struttura si ottengono tramite la seguente formula:

$$S_T \quad k_0 \quad h_T \quad 0.38 \;\; 20 \;\; 8.5 \quad 64.60\,kN/m^2$$

Spinta del sovraccarico accidentale sulla parete laterale della cameretta

Considerando un sovraccarico agente sul terreno pari a 20.0 kN/m^2 posizionato in modo tale da generare delle spinte orizzontali sulla parete della struttura.

$$S_{ACC} \quad q \;\; k_0 \quad 20.00 \;\; 0.38 \quad 7.60\,kN/m^2$$

10.1.3 CALCOLO DELLE SOLLECITAZIONI

Con riferimento allo schema statico riportato precedentemente si ottiene il carico uniformemente distribuito sommando il contributo del sovraccarico accidentale a quello della spinta del terreno:

SLE	$p = S_T + S_{ACC} =$	97.47 kN/m^2
SLU	$p = 1.35 \cdot S_T + 1.35 \cdot S_{ACC} =$	72.20 kN/m^2
FESS_QP	$p = S_T =$	64.60 kN/m^2
FESS_FR	$p = S_T + 0.7 \cdot S_{ACC} =$	69.92 kN/m^2

Considerando il rapporto k dato da:

$$k \quad \frac{b}{a} \quad 1.42$$

$$N_B \quad \frac{p \quad b}{2} \; ; \; M_A \quad \frac{p \quad a^2 \quad b^2 \quad k}{12 \quad (1 \quad k)} \; ; \; M_B \quad \frac{p \quad a^2}{8} \quad M_A \, , \; N_C \quad \frac{p \quad a}{2} \; ; \; M_C \quad \frac{p \quad b^2}{8} \quad M_A \; ; \; T_{MAX} \quad N_B \quad N_C$$

si ottengono le seguenti sollecitazioni:

	N_B [kN]	M_A [kNm]	M_B [kNm]	N_c [kN]	M_C [kNm]	T_{MAX} [kN]
SLE	122.74	55.11	3.13	86.64	-49.22	122.74
SLU	165.70	74.40	4.22	116.96	-66.44	165.70
FESS_QP	109.82	49.31	2.80	77.52	-44.04	109.82
FESS_FR	118.86	53.37	3.03	83.90	-47.66	118.86

10.2 VERIFICHE A STATO LIMITE DI ESERCIZIO

Tutte le condizioni di carico vengono utilizzate per le verifiche a Stato Limite di Esercizio, mentre per le verifiche a Stato Limite di Fessurazione vengono utilizzate le sole condizioni di carico 3-4 (combinazioni Frequenti) e 5-6 (combinazioni Quasi Permanenti).

```
Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Coefficiente d'omogeneizzazione dell'armatura =15

Condizione di carico 1

Momento        =      55.1(KN.m)
Sforzo normale =     -86.6(KN)

Compressione massima nel calcestruzzo   =   -4.26(N/mm²)
Trazione massima nell'acciaio           =  170.74(N/mm²)
Distanza asse neutro da lembo compresso =    9.3 (cm)
Braccio di leva interno           =   30.4 (cm)

Condizione di carico 2

Momento        =     -49.2(KN.m)
Sforzo normale =     -86.6(KN)

Compressione massima nel calcestruzzo   =   -3.79(N/mm²)
Trazione massima nell'acciaio           =  146.78(N/mm²)
Distanza asse neutro da lembo compresso =    9.6 (cm)
Braccio di leva interno           =   30.2 (cm)

Condizione di carico 3

Momento        =      53.4(KN.m)
Sforzo normale =     -83.9(KN)

Compressione massima nel calcestruzzo   =   -4.12(N/mm²)
Trazione massima nell'acciaio           =  165.35(N/mm²)
Distanza asse neutro da lembo compresso =    9.3 (cm)
Braccio di leva interno           =   30.4 (cm)

Condizione di carico 4

Momento        =     -47.7(KN.m)
```

```
Sforzo normale =     -83.9(KN)

Compressione massima nel calcestruzzo   =   -3.67(N/mm²)
Trazione massima nell'acciaio           =  142.12(N/mm²)
Distanza asse neutro da lembo compresso =    9.6 (cm)
Braccio di leva interno           =   30.2 (cm)
```

Condizione di carico 5

```
Momento        =      49.3(KN.m)
Sforzo normale =     -77.5(KN)

Compressione massima nel calcestruzzo   =   -3.81(N/mm²)
Trazione massima nell'acciaio           =  152.77(N/mm²)
Distanza asse neutro da lembo compresso =    9.3 (cm)
Braccio di leva interno           =   30.4 (cm)
```

Condizione di carico 6

```
Momento        =     -44.0(KN.m)
Sforzo normale =     -77.5(KN)

Compressione massima nel calcestruzzo   =   -3.39(N/mm²)
Trazione massima nell'acciaio           =  131.33(N/mm²)
Distanza asse neutro da lembo compresso =    9.6 (cm)
Braccio di leva interno           =   30.2 (cm)
```

Le tensioni nell’acciaio e nel calcestruzzo risultano inferiori alle tensioni limite da normativa.

10.3 VERIFICHE A STATO LIMITE DI FESSURAZIONE

10.3.1 COMBINAZIONI QUASI PERMANENTI

Momento positivo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'intradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  14.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (fctm) =  31.5  kg/cm^2
Momento di prima fessurazione (■  = 0.7 · 1.2·fctm) =  86.04 (KN.m)
Momento di fessurazione (■  = fctm)            = 102.43 (KN.m)
```

La verifica a fessurazione perde di significato poichè il momento di 1° fessurazione risulta superiore al momento sollecitante.

Momento negativo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'estradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  14.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (f_ctm) =  31.5  kg/cm^2
Momento di prima fessurazione (□  = 0.7 · 1.2·f_ctm) =  87.32 (KN.m)
Momento di fessurazione (□  = f_ctm)            = -1.04E+02 (KN.m)
```

La verifica a fessurazione perde di significato poichè il momento di 1° fessurazione risulta superiore al momento sollecitante.

10.3.2 COMBINAZIONI FREQUENTI

Momento positivo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'intradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  14.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm-1
Trazione calcestruzzo di fessurazione (fctm) =  31.5  kg/cm2
Momento di prima fessurazione (■  = 0.7 · 1.2·fctm) =  86.04 (KN.m)
Momento di fessurazione (■  = fctm)            = 102.43 (KN.m)
```

La verifica a fessurazione perde di significato poichè il momento di 1° fessurazione risulta superiore al momento sollecitante.

Momento negativo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'estradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  14.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (f_ctm) =  31.5  kg/cm^2
Momento di prima fessurazione (□  = 0.7 · 1.2·f_ctm) =  87.32 (KN.m)
Momento di fessurazione (□  = f_ctm)            = -1.04E+02 (KN.m)
```

La verifica a fessurazione perde di significato poichè il momento di 1° fessurazione risulta superiore al momento sollecitante.

10.4 VERIFICHE A STATO LIMITE ULTIMO

10.4.1 FLESSIONE

```
METODO SEMIPROBABILISTICO - VERIFICA A ROTTURA

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Caratteristiche Fisico-Elastiche dei materiali

Modulo Elastico acciaio normale          =  210000.0(N/mm²)
Modulo Elastico calcestruzzo             =   36000.0(N/mm²)
Resistenza cubica del calcestruzzo:  Rck  =   40.00(N/mm²)
Resistenza cubica iniziale (alla tesatura):Rckj  =   32.00(N/mm²)
Soglia di snervamento acciaio normale: Fyk       =  440.00(N/mm²)

Ipotesi di calcolo

Legge costitutiva del calcestruzzo :      Parabola Rettangolo
Accorciamento ultimo a flessione = 0.3500 %
Accorciamento ultimo a compress. = 0.2000 %
Legge costitutiva dell'acciaio normale :  Bilineare
Allungamento ultimo acciaio normale =  0.675 %
Coefficiente di sicurezza calcestruzzo : γc = 1.500
Coefficiente di sicurezza acciaio : γs = 1.150
Termine di lunga durata : F1 = 0.850
Rapporto Rcyl/Rcubo: F2 = 0.830
Resistenza di progetto calcestruzzo : F1·F2·Rcubo/γc = 0.47Rcubo
Resistenza di progetto dell'acciaio : Fsd = Fyk/γs = 0.87Fyk

Resistenze di progetto

Calcestruzzo             =   18.81(N/mm²)
Acciaio normale          =  382.61(N/mm²)

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Condizione di carico 1

Momento di Progetto Md  =      74.4(KN.m)
Sforzo di Progetto  Nd  =    -117.0(KN)

Distanza asse neutro da lembo compresso =    5.0 (cm)
Momento di Rottura  Mr  =     118.1(KN.m)
Sforzo di Rottura   Nr  =    -116.9(KN)
Rottura nel Dominio  2
Rapporto Mr/Md  =  1.588
```

Condizione di carico 2

Momento di Progetto M_d = -66.4(KN.m)
Sforzo di Progetto N_d = -117.0(KN)

Distanza asse neutro da lembo compresso = 5.0 (cm)
Momento di Rottura M_r = -118.1(KN.m)
Sforzo di Rottura N_r = -116.9(KN)
Rottura nel Dominio 2
Rapporto M_r/M_d = 1.778

10.4.2 TAGLIO

Verifiche senza armatura trasversale resistente a taglio

Con riferimento al paragrafo 4.1.2.1.3.1 del D.M. 14/01/2008, la resistenza alle sollecitazioni taglianti di elementi sprovvisti di apposita armatura a taglio è valutata con la seguente espressione:

$$V_{Rd} \quad [0.18 \;\; k \;\; (100 \quad {}_1 \;\; f_{ck})^{1/3} / \;\; {}_c \quad 0.15 \quad {}_{cp}] \;\; b_w \;\; d \quad (v_{min} \quad 0.15 \quad {}_{cp}) \;\; b_w \;\; d$$

con:

$$k \quad 1 \quad (200 / d)^{1/2} \quad 2$$

$$v_{min} \quad 0.035 \;\; k^{3/2} \;\; f_{ck}^{\;3/2}$$

dove: d = altezza utile della sezione (in mm);

$\square_1 = A_{sl} / (b_w \square d)$ = rapporto geometrico di armatura longitudinale ($\square$ 0.02);

$\square_{cp} = N_{Ed} / A_c$ = tensione media di compressione nella sezione ($\square$ 0.2$\square$ f_{cd});

b_w = larghezza minima della sezione (in mm).

Di seguito viene presentata la tabella di verifica della sezione.

Caratteristiche dei materiali:

Resistenza caratteristica a compressione cubica cls	R_{ck}	=	**40**	N/mm^2
Resistenza caratteristica a compressione cilindrica cls	f_{ck}	=	33	N/mm^2
Resistenza di calcolo a compressone del cls	f_{cd}	=	18.81	N/mm^2
Resistenza di calcolo a trazione dell'acciaio	F_{yd}	=	391.30	N/mm^2

Sollecitazioni di verifica (S.L.U.):

Valore di calcolo dello sforzo di taglio agente	V_{Ed}	=	**165.70**	kN
Valore di calcolo della forza assiale associata a V_{Ed}	N (V_{Ed})	=	**116.96**	kN
Valore di calcolo del momento flettente associato a V_{Ed}	M (V_{Ed})	=	**66.44**	kNm

Caratteristiche geometriche della sezione:

Altezza utile della sezione	d	=	**343**	mm
Larghezza minima della sezione	b_w	=	**1000**	mm

Armatura della sezione in zona tesa:

Diametro ferri longitudinali	$\square$	=	**14**	mm
Numero tondini longitudinali utilizzati	n°	=	**5**	-
Area totale di armatura longitudinale in zona tesa	A_{sl}	=	770	mm^2
Rapporto geometrico dell'armatura longitud. (≤ 0.02)	$\square_l$	=	0.0022	-

Calcolo del taglio resistente:

Fattore dipendente dall'altezza utile della sezione (≤ 2)	k	=	1.76	-
Tensione dipendente dal fattore k e dalla resist. del cls	v_{min}	=	0.47	N/mm^2
Tensione media di compress. nella sezione (≤ 0.2¤f_{cd})	¤$_{cp}$	=	0.34	N/mm^2
Resistenza ultima a taglio minima	$V_{Rd,min}$	=	179.55	kN
Resistenza ultima a taglio (V_{Rd} ¤ $V_{Rd,min}$)	V_{Rd}	=	**179.55**	kN

Dato che la verifica risulta soddisfatta non occorre disporre un'apposita armatura resistente a taglio.

10.5 ANALISI SOLETTA SUPERIORE

10.5.1 ANALISI DEI CARICHI

Per il calcolo della struttura si sono considerati i seguenti carichi:

Peso del terreno

Il peso del terreno posto al di sopra della soletta avrà una distribuzione triangolare con un valore massimo alla base. I valori di spinta assunti nel calcolo della struttura si ottengono tramite la seguente formula:

$$P_T \quad h_T \quad 20 \quad 1.5 \quad 30.00\,kN/m^2$$

Peso del sovraccarico accidentale sulla parete laterale del pozzo

Si considera un sovraccarico agente sul terreno pari a 20.0 kN/m^2:

$$P_{ACC} \quad q \quad 20.00\,kN/m^2$$

Il carico totale risulta pari a:

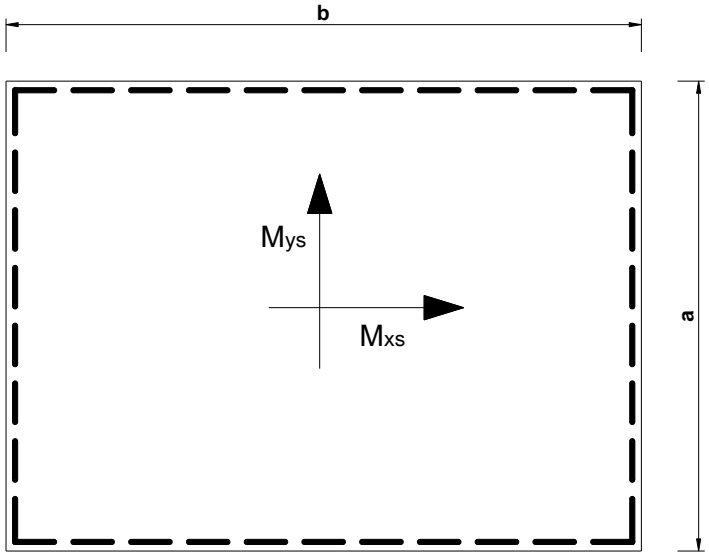
SLE	$p = P_T + P_{ACC} =$	50.00 kN/m^2
SLU	$p = 1.35 \cdot P_T + 1.35 \cdot P_{ACC} =$	67.50 kN/m^2
FESS_QP	$p = P_T =$	30.00 kN/m^2
FESS_FR	$p = P_T + 0.7 \cdot P_{ACC} =$	44.00 kN/m^2

10.5.2 CALCOLO DELLE SOLLECITAZIONI

Lo studio viene eseguito considerando una piastra di dimensioni pari a 3.4 m ◘ 2.4 m, a favore di sicurezza, per ottenere il massimo momento in campata, si ipotizzano come condizioni al contorno vincoli di semplice appoggio lungo i lati esterni della soletta, mentre per studiare gli effetti sul perimetro si ipotizza la piastra incastrata su tutti i lati.

Mediante l'impiego di opportune tabelle che analizzano il comportamento flessionale di piastre soggette a carico uniforme (cfr. "Calcolo di lastre e piastre con la teoria elastica lineare", Richard Bareš, 1986, Clup, Milano), è possibile valutare come segue i valori dei momenti flettenti massimi della piastra.

Nell'analisi non si considera la presenza del torrino di ispezione.



Schema struttura

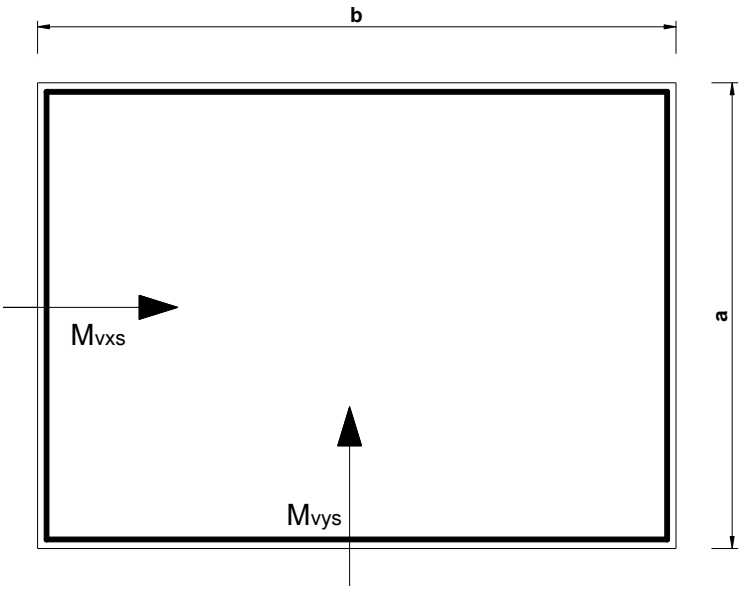
Essendo il rapporto tra i lati $\frac{a}{b}$ 1.42 dalle tabelle per l'analisi delle piastre rettangolari, si ottengono i seguenti valori di momento massimo in campata lungo le direzioni principali:

$$M_{xs} \quad k_{xs} \quad q \quad b^2$$

$$M_{ys} \quad k_{ys} \quad q \quad a^2$$

avendo assunto il coefficiente di Poisson pari a 0.15 e dove q rappresenta il carico uniformemente distribuito applicato sulla soletta.

Per ottenere il valore di massimo momento negativo si considera la piastra incastrata lungo i quattro lati:



Schema struttura momento negativo massimo

Si ottengono i seguenti valori di momento massimo lungo i lati incastrati:

$M_{xvs} \quad k_{vxs} \; q \; b^2$

$M_{yvs} \quad k_{vys} \; q \; a^2$

avendo assunto il coefficiente di Poisson pari a 0.15 e dove q rappresenta il carico uniformemente distribuito applicato sulla soletta.

k_{xs}	k_{ys}	k_{vxs}	k_{vys}
0.02	0.07	0.03	0.07

Coefficienti k

	M_{xs} [kNm]	M_{ys} [kNm]	M_{vxs} [kNm]	M_{vys} [kNm]	T [kNm]
SLE	11.49	20.75	-16.46	-21.11	--
SLU	15.51	28.01	-22.23	-28.49	114.75
FESS_QP	6.90	12.45	-8.81	-12.66	--
FESS_FR	10.11	18.26	-14.49	-18.57	--

Sollecitazioni

10.6 VERIFICHE A STATO LIMITE DI ESERCIZIO

Tutte le condizioni di carico vengono utilizzate per le verifiche a Stato Limite di Esercizio, mentre per le verifiche a Stato Limite di Fessurazione vengono utilizzate le sole condizioni di carico 3-4 (combinazioni Frequenti) e 5-6 (combinazioni Quasi Permanenti).

```
Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Coefficiente d'omogeneizzazione dell'armatura =15

Condizione di carico 1

Momento        =      20.8(KN.m)
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -1.62(N/mm²)
Trazione massima nell'acciaio           =   85.43(N/mm²)
Distanza asse neutro da lembo compresso =    7.6 (cm)
Braccio di leva interno           =   31.5 (cm)

Condizione di carico 2

Momento        =     -21.1(KN.m)
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -1.64(N/mm²)
Trazione massima nell'acciaio           =   86.91(N/mm²)
Distanza asse neutro da lembo compresso =    7.6 (cm)
Braccio di leva interno           =   31.5 (cm)

Condizione di carico 3

Momento        =      18.3(KN.m)
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -1.42(N/mm²)
Trazione massima nell'acciaio           =   75.18(N/mm²)
Distanza asse neutro da lembo compresso =    7.6 (cm)
Braccio di leva interno           =   31.5 (cm)

Condizione di carico 4

Momento        =     -18.6(KN.m)
```

```
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -1.45(N/mm²)
Trazione massima nell'acciaio           =   76.46(N/mm²)
Distanza asse neutro da lembo compresso =    7.6 (cm)
Braccio di leva interno           =   31.5 (cm)
```

Condizione di carico 5

```
Momento        =      12.5(KN.m)
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -0.97(N/mm²)
Trazione massima nell'acciaio           =   51.26(N/mm²)
Distanza asse neutro da lembo compresso =    7.6 (cm)
Braccio di leva interno           =   31.5 (cm)
```

Condizione di carico 6

```
Momento        =     -12.7(KN.m)
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -0.99(N/mm²)
Trazione massima nell'acciaio           =   52.12(N/mm²)
Distanza asse neutro da lembo compresso =    7.6 (cm)
Braccio di leva interno           =   31.5 (cm)
```

Le tensioni nell’acciaio e nel calcestruzzo risultano inferiori alle tensioni limite da normativa.

10.7 VERIFICHE A STATO LIMITE DI FESSURAZIONE

10.7.1 COMBINAZIONI QUASI PERMANENTI

Momento positivo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'intradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  14.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (fctm) =  31.5  kg/cm^2
Momento di prima fessurazione (■  = 0.7 · 1.2·fctm) =  76.78 (KN.m)
Momento di fessurazione (■  = fctm)            =  91.40 (KN.m)
```

La verifica a fessurazione perde di significato poichè il momento di 1° fessurazione risulta superiore al momento sollecitante.

Momento negativo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'estradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  14.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (f_ctm) =  31.5  kg/cm^2
Momento di prima fessurazione (■  = 0.7 · 1.2·f_ctm) =  76.78 (KN.m)
Momento di fessurazione (■  = f_ctm)            = -91.40 (KN.m)
```

La verifica a fessurazione perde di significato poichè il momento di 1° fessurazione risulta superiore al momento sollecitante.

10.7.2 COMBINAZIONI FREQUENTI

Momento positivo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'intradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  14.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm-1
Trazione calcestruzzo di fessurazione (fctm) =  31.5  kg/cm2
Momento di prima fessurazione (■  = 0.7 · 1.2·fctm) =  76.78 (KN.m)
Momento di fessurazione (■  = fctm)            =  91.40 (KN.m)
```

La verifica a fessurazione perde di significato poichè il momento di 1° fessurazione risulta superiore al momento sollecitante.

Momento negativo

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'estradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  20.0 cm
Diametro massimo barre          =  14.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (f_ctm) =  31.5  kg/cm^2
Momento di prima fessurazione (■  = 0.7 · 1.2·f_ctm) =  76.78 (KN.m)
Momento di fessurazione (■  = f_ctm)            = -91.40 (KN.m)
```

La verifica a fessurazione perde di significato poichè il momento di 1° fessurazione risulta superiore al momento sollecitante.

10.8 VERIFICHE A STATO LIMITE ULTIMO

10.8.1 FLESSIONE

```
METODO SEMIPROBABILISTICO - VERIFICA A ROTTURA

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    40.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.7 cm da intradosso
5 ø14 mm posizionati a    34.3 cm da intradosso

Area armatura normale = 1539.4 (mm²)     a    20.0 cm da intrad.

Caratteristiche Fisico-Elastiche dei materiali

Modulo Elastico acciaio normale          =  210000.0(N/mm²)
Modulo Elastico calcestruzzo             =   36000.0(N/mm²)
Resistenza cubica del calcestruzzo:  Rck  =   40.00(N/mm²)
Resistenza cubica iniziale (alla tesatura):Rckj  =   32.00(N/mm²)
Soglia di snervamento acciaio normale: Fyk       =  440.00(N/mm²)

Ipotesi di calcolo

Legge costitutiva del calcestruzzo :      Parabola Rettangolo
Accorciamento ultimo a flessione = 0.3500 %
Accorciamento ultimo a compress. = 0.2000 %
Legge costitutiva dell'acciaio normale :  Bilineare
Allungamento ultimo acciaio normale =  0.675 %
Coefficiente di sicurezza calcestruzzo : γc = 1.500
Coefficiente di sicurezza acciaio : γs = 1.150
Termine di lunga durata : F1 = 0.850
Rapporto Rcyl/Rcubo: F2 = 0.830
Resistenza di progetto calcestruzzo : F1·F2·Rcubo/γc = 0.47Rcubo
Resistenza di progetto dell'acciaio : Fsd = Fyk/γs = 0.87Fyk

Resistenze di progetto

Calcestruzzo             =   18.81(N/mm²)
Acciaio normale          =  382.61(N/mm²)

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Condizione di carico 1

Momento di Progetto Md  =      28.0(KN.m)
Sforzo di Progetto  Nd  =       0.0(KN)

Distanza asse neutro da lembo compresso =    4.4 (cm)
Momento di Rottura  Mr  =      98.4(KN.m)
Sforzo di Rottura   Nr  =       0.3(KN)
Rottura nel Dominio  2
Rapporto Mr/Md  =  3.513
```

Condizione di carico 2

Momento di Progetto M_d = -28.5(KN.m)
Sforzo di Progetto N_d = 0.0(KN)

Distanza asse neutro da lembo compresso = 4.4 (cm)
Momento di Rottura M_r = -98.4(KN.m)
Sforzo di Rottura N_r = 0.3(KN)
Rottura nel Dominio 2
Rapporto M_r/M_d = 3.454

10.8.2 TAGLIO

Verifiche senza armatura trasversale resistente a taglio

Con riferimento al paragrafo 4.1.2.1.3.1 del D.M. 14/01/2008, la resistenza alle sollecitazioni taglianti di elementi sprovvisti di apposita armatura a taglio è valutata con la seguente espressione:

$$V_{Rd} \quad [0.18 \;\; k \;\; (100 \quad {}_{1} \;\; f_{ck})^{1/3} \; / \;\; {}_{c} \quad 0.15 \quad {}_{cp}] \;\; b_w \;\; d \quad (v_{min} \quad 0.15 \quad {}_{cp}) \;\; b_w \;\; d$$

con:

$$k \quad 1 \quad (200 / d)^{1/2} \quad 2$$

$$v_{min} \quad 0.035 \;\; k^{3/2} \;\; f_{ck}^{\;3/2}$$

dove: d = altezza utile della sezione (in mm);

$\square_1 = A_{sl} / (b_w \square d)$ = rapporto geometrico di armatura longitudinale ($\square$ 0.02);

$\square_{cp} = N_{Ed} / A_c$ = tensione media di compressione nella sezione ($\square$ 0.2$\square$ f_{cd});

b_w = larghezza minima della sezione (in mm).

Di seguito viene presentata la tabella di verifica della sezione.

Caratteristiche dei materiali:				
Resistenza caratteristica a compressione cubica cls	R_{ck}	=	**40**	N/mm^2
Resistenza caratteristica a compressione cilindrica cls	f_{ck}	=	33	N/mm^2
Resistenza di calcolo a compressone del cls	f_{cd}	=	18.81	N/mm^2
Resistenza di calcolo a trazione dell'acciaio	F_{yd}	=	391.30	N/mm^2
Sollecitazioni di verifica (S.L.U.):				
Valore di calcolo dello sforzo di taglio agente	V_{Ed}	=	**114.75**	kN
Valore di calcolo della forza assiale associata a V_{Ed}	N (V_{Ed})	=	**0**	kN
Valore di calcolo del momento flettente associato a V_{Ed}	M (V_{Ed})	=	**0**	kNm
Caratteristiche geometriche della sezione:				
Altezza utile della sezione	d	=	**343**	mm
Larghezza minima della sezione	b_w	=	**1000**	mm
Armatura della sezione in zona tesa:				
Diametro ferri longitudinali	$\square$	=	**14**	mm
Numero tondini longitudinali utilizzati	n°	=	**5**	-
Area totale di armatura longitudinale in zona tesa	A_{sl}	=	770	mm^2
Rapporto geometrico dell'armatura longitud. (≤ 0.02)	$\square_l$	=	0.0022	-

Calcolo del taglio resistente:

Fattore dipendente dall'altezza utile della sezione (≤ 2)	k	=	1.76	-
Tensione dipendente dal fattore k e dalla resist. del cls	v_{min}	=	0.47	N/mm^2
Tensione media di compress. nella sezione (≤ 0.2¤f_{cd})	¤$_{cp}$	=	0.00	N/mm^2
Resistenza ultima a taglio minima	$V_{Rd,min}$	=	162.01	kN
Resistenza ultima a taglio (V_{Rd} ¤ $V_{Rd,min}$)	V_{Rd}	=	**162.01**	kN

Dato che la verifica risulta soddisfatta non occorre disporre un'apposita armatura resistente a taglio.

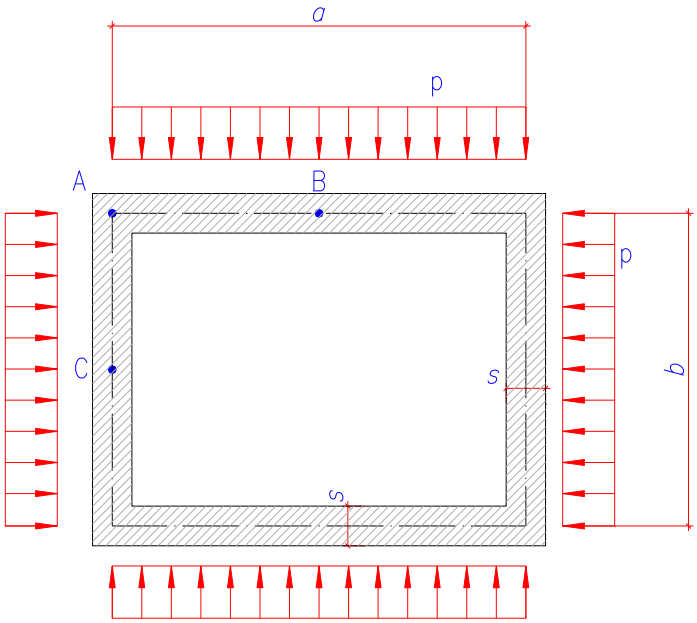
11 ANALISI TORRINO

Per il dimensionamento delle camerette di ispezione si considera il massimo ricoprimento H = 1.5 m e le dimensioni interne in pianta 0.80 m X 0.80 m, lo spessore delle pareti è pari a 0.25 m.

11.1 ANALISI STATICA RITTI SEZIONE TRASVERSALE

11.1.1 SCHEMA STATICO

L'analisi statica è stata svolta studiando tre sezioni trasversali della cameretta di ispezione, di dimensioni *a* ◘ *b*, come telaio chiuso soggetto a carichi distribuiti uniformi di valore *p*.



Per quanto riguarda la caratterizzazione geotecnica si rimanda completamente ai paragrafi precedenti.

Le principali caratteristiche geometriche utilizzate nel calcolo del telaio sono le seguenti:

Dimensioni (m)	Spessore (m)	Profondità (m)
1.05 ◘ 1.05	0.25	1.50

11.1.2 ANALISI DEI CARICHI

Per il calcolo della struttura si sono considerati i seguenti carichi:

Spinta laterale del terreno (a riposo)

La spinta laterale del terreno sulla struttura avrà una distribuzione triangolare con un valore massimo alla base. I valori di spinta assunti nel calcolo della struttura si ottengono tramite la seguente formula:

$$S_T \quad k_0 \quad h_T \quad 0.38 \;\; 20 \;\; 1.5 \quad 11.4\,kN/m^2$$

Spinta del sovraccarico accidentale sulla parete laterale della cameretta

Considerando un sovraccarico agente sul terreno pari a 20.0 kN/m^2 posizionato in modo tale da generare delle spinte orizzontali sulla parete della struttura.

$$S_{ACC} \quad q \;\; k_0 \quad 20.00 \;\; 0.38 \quad 7.60\,kN/m^2$$

11.1.3 CALCOLO DELLE SOLLECITAZIONI

Con riferimento allo schema statico riportato precedentemente si ottiene il carico uniformemente distribuito sommando il contributo del sovraccarico accidentale a quello della spinta del terreno:

SLE	$p = S_T + S_{ACC} =$	25.65 kN/m^2
SLU	$p = 1.35 \cdot S_T + 1.35 \cdot S_{ACC} =$	19.00 kN/m^2
FESS_QP	$p = S_T =$	11.40 kN/m^2
FESS_FR	$p = S_T + 0.7 \cdot S_{ACC} =$	16.72 kN/m^2

Considerando il rapporto k dato da:

$$k \quad \frac{b}{a} \quad 1.00$$

$$N_B \quad \frac{p \quad b}{2} \; ; \; M_A \quad \frac{p \quad a^2 \quad b^2 \quad k}{12 \quad (1 \quad k)} \; ; \; M_B \quad \frac{p \quad a^2}{8} \quad M_A \, , \; N_C \quad \frac{p \quad a}{2} \; ; \; M_C \quad \frac{p \quad b^2}{8} \quad M_A \; ; \; T_{MAX} \quad N_B \quad N_C$$

si ottengono le seguenti sollecitazioni:

	N_B [kN]	M_A [kNm]	M_B [kNm]	N_c [kN]	M_C [kNm]	T_{MAX} [kN]
SLE	9.98	1.75	-0.87	9.98	-0.87	9.98
SLU	13.47	2.36	-1.18	13.47	-1.18	13.47
FESS_QP	5.99	1.05	-0.52	5.99	-0.52	5.99
FESS_FR	8.78	1.54	-0.77	8.78	-0.77	8.78

11.2 VERIFICHE A STATO LIMITE DI ESERCIZIO

Tutte le condizioni di carico vengono utilizzate per le verifiche a Stato Limite di Esercizio, mentre per le verifiche a Stato Limite di Fessurazione vengono utilizzate le sole condizioni di carico 3-4 (combinazioni Frequenti) e 5-6 (combinazioni Quasi Permanenti).

```
Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    25.0   b3   100.0

Descrizione dell'armatura normale

5 ø12 mm posizionati a     5.6 cm da intradosso
5 ø12 mm posizionati a    19.4 cm da intradosso

Area armatura normale = 1131.0 (mm²)     a    12.5 cm da intrad.

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Coefficiente d'omogeneizzazione dell'armatura =15

Condizione di carico 1

Momento        =       1.8(KN.m)
Sforzo normale =     -10.0(KN)

Compressione massima nel calcestruzzo   =   -0.36(N/mm²)
Trazione massima nell'acciaio           =    8.25(N/mm²)
Distanza asse neutro da lembo compresso =    7.7 (cm)
Braccio di leva interno           =   15.3 (cm)

Condizione di carico 2

Momento        =      -0.9(KN.m)
Sforzo normale =     -10.0(KN)

Compressione massima nel calcestruzzo   =   -0.15(N/mm²)
Trazione massima nell'acciaio           =    0.96(N/mm²)
Distanza asse neutro da lembo compresso =   13.5 (cm)
Braccio di leva interno           =   11.6 (cm)

Condizione di carico 3

Momento        =       1.5(KN.m)
Sforzo normale =      -8.8(KN)

Compressione massima nel calcestruzzo   =   -0.32(N/mm²)
Trazione massima nell'acciaio           =    7.26(N/mm²)
Distanza asse neutro da lembo compresso =    7.7 (cm)
Braccio di leva interno           =   15.3 (cm)

Condizione di carico 4

Momento        =      -0.8(KN.m)
```

```
Sforzo normale =      -8.8(KN)

Compressione massima nel calcestruzzo   =   -0.13(N/mm²)
Trazione massima nell'acciaio           =    0.85(N/mm²)
Distanza asse neutro da lembo compresso =   13.5 (cm)
Braccio di leva interno           =   11.6 (cm)
```

Condizione di carico 5

```
Momento        =       1.1(KN.m)
Sforzo normale =      -6.0(KN)

Compressione massima nel calcestruzzo   =   -0.22(N/mm²)
Trazione massima nell'acciaio           =    4.95(N/mm²)
Distanza asse neutro da lembo compresso =    7.7 (cm)
Braccio di leva interno           =   15.3 (cm)
```

Condizione di carico 6

```
Momento        =      -0.5(KN.m)
Sforzo normale =      -6.0(KN)

Compressione massima nel calcestruzzo   =   -0.09(N/mm²)
Trazione massima nell'acciaio           =    0.56(N/mm²)
Distanza asse neutro da lembo compresso =   13.6 (cm)
Braccio di leva interno           =   11.6 (cm)
```

Le tensioni nell’acciaio e nel calcestruzzo risultano inferiori alle tensioni limite da normativa.

11.3 VERIFICHE A STATO LIMITE DI FESSURAZIONE

Visiti i ridotti tassi di lavoro, si omettono le verfiiche a fessurazione

11.4 VERIFICHE A STATO LIMITE ULTIMO

11.4.1 FLESSIONE

```
METODO SEMIPROBABILISTICO - VERIFICA A ROTTURA

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    25.0   b3   100.0

Descrizione dell'armatura normale

5 ø12 mm posizionati a     5.6 cm da intradosso
5 ø12 mm posizionati a    19.4 cm da intradosso

Area armatura normale = 1131.0 (mm²)     a    12.5 cm da intrad.

Caratteristiche Fisico-Elastiche dei materiali

Modulo Elastico acciaio normale          =  210000.0(N/mm²)
Modulo Elastico calcestruzzo             =   36000.0(N/mm²)
Resistenza cubica del calcestruzzo:  Rck  =   40.00(N/mm²)
Resistenza cubica iniziale (alla tesatura):Rckj  =   32.00(N/mm²)
Soglia di snervamento acciaio normale: Fyk       =  440.00(N/mm²)

Ipotesi di calcolo

Legge costitutiva del calcestruzzo :      Parabola Rettangolo
Accorciamento ultimo a flessione = 0.3500 %
Accorciamento ultimo a compress. = 0.2000 %
Legge costitutiva dell'acciaio normale :  Bilineare
Allungamento ultimo acciaio normale =  0.675 %
Coefficiente di sicurezza calcestruzzo : γc = 1.500
Coefficiente di sicurezza acciaio : γs = 1.150
Termine di lunga durata : F1 = 0.850
Rapporto Rcyl/Rcubo: F2 = 0.830
Resistenza di progetto calcestruzzo : F1·F2·Rcubo/γc = 0.47Rcubo
Resistenza di progetto dell'acciaio : Fsd = Fyk/γs = 0.87Fyk

Resistenze di progetto

Calcestruzzo             =   18.81(N/mm²)
Acciaio normale          =  382.61(N/mm²)

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Condizione di carico 1

Momento di Progetto Md  =       2.4(KN.m)
```

```
Sforzo di Progetto  Nd  =     -13.5(KN)

Distanza asse neutro da lembo compresso =    3.4 (cm)
Momento di Rottura  Mr  =      45.8(KN.m)
Sforzo di Rottura   Nr  =     -13.4(KN)
Rottura nel Dominio  2
Rapporto Mr/Md  = 19.406
```

11.4.2 TAGLIO

Verifiche senza armatura trasversale resistente a taglio

Con riferimento al paragrafo 4.1.2.1.3.1 del D.M. 14/01/2008, la resistenza alle sollecitazioni taglianti di elementi sprovvisti di apposita armatura a taglio è valutata con la seguente espressione:

$$V_{Rd} \quad [0.18 \;\; k \;\; (100 \quad {}_1 \;\; f_{ck})^{1/3} \; / \;\; {}_c \quad 0.15 \quad {}_{cp}] \;\; b_w \;\; d \quad (v_{min} \quad 0.15 \quad {}_{cp}) \;\; b_w \;\; d$$

con:

$$k \quad 1 \quad (200 / d)^{1/2} \quad 2$$

$$v_{min} \quad 0.035 \;\; k^{3/2} \;\; f_{ck}^{3/2}$$

dove: d = altezza utile della sezione (in mm);

$\square_1 = A_{sl} / (b_w \square d)$ = rapporto geometrico di armatura longitudinale ($\square$ 0.02);

$\square_{cp} = N_{Ed} / A_c$ = tensione media di compressione nella sezione ($\square$ 0.2$\square$ f_{cd});

b_w = larghezza minima della sezione (in mm).

Di seguito viene presentata la tabella di verifica della sezione.

Caratteristiche dei materiali:

Resistenza caratteristica a compressione cubica cls	R_{ck}	=	**40**	N/mm^2
Resistenza caratteristica a compressione cilindrica cls	f_{ck}	=	33	N/mm^2
Resistenza di calcolo a compressone del cls	f_{cd}	=	18.81	N/mm^2
Resistenza di calcolo a trazione dell'acciaio	F_{yd}	=	391.30	N/mm^2

Sollecitazioni di verifica (S.L.U.):

Valore di calcolo dello sforzo di taglio agente	V_{Ed}	=	**13.47**	kN
Valore di calcolo della forza assiale associata a V_{Ed}	N (V_{Ed})	=	**13.47**	kN
Valore di calcolo del momento flettente associato a V_{Ed}	M (V_{Ed})	=	**1.18**	kNm

Caratteristiche geometriche della sezione:

Altezza utile della sezione	d	=	**194**	mm
Larghezza minima della sezione	b_w	=	**1000**	mm

Armatura della sezione in zona tesa:

Diametro ferri longitudinali	$\square$	=	**12**	mm
Numero tondini longitudinali utilizzati	n°	=	**5**	-
Area totale di armatura longitudinale in zona tesa	A_{sl}	=	565	mm^2
Rapporto geometrico dell'armatura longitud. (≤ 0.02)	$\square_l$	=	0.0029	-

Calcolo del taglio resistente:

Fattore dipendente dall'altezza utile della sezione (≤ 2)	k	=	2.00	-
Tensione dipendente dal fattore k e dalla resist. del cls	v_{min}	=	0.57	N/mm^2
Tensione media di compress. nella sezione (≤ 0.2¤f_{cd})	¤$_{cp}$	=	0.07	N/mm^2
Resistenza ultima a taglio minima	$V_{Rd,min}$	=	112.68	kN
Resistenza ultima a taglio (V_{Rd} ¤ $V_{Rd,min}$)	V_{Rd}	=	**112.68**	kN

Dato che la verifica risulta soddisfatta non occorre disporre un'apposita armatura resistente a taglio.

12 ANALISI MURO DI SOSTEGNO

12.1 ANALISI DEI CARICHI

12.1.1 PESO PROPRIO

Il peso proprio del muro in c.a. è valutato in ragione di 25.0 kN/m^3.

Il muro oggetto di verifica ha la seguente geometria di calcolo: fondazione di lunghezza pari a 480 cm e spessore pari a 70 cm; elevazione (unica risega) di altezza pari a 550 cm e spessore di 60 cm.

12.1.2 SPINTA DELLE TERRE

Le spinte del terreno sono valutate in base alle caratteristiche geotecniche del terreno desunte dalla relazione geotecnica. Il valore di spinta sulla struttura è calcolato secondo la seguente formula:

$$S_{ter} \quad \frac{1}{2} k_a \quad {}_d \; H^2 \; [kN/m]$$

$${}_d \quad \frac{\;}{k} \quad \frac{k}{1.0}$$

$${}_d \quad arctg \frac{\tan \; {}_k}{} \quad arctg \frac{\tan \; {}_k}{1.25}$$

dove:

γ_k	=	20.00	kN/m^3	peso caratteristico terreno per unità di volume
γ_d	=	20.00	kN/m^3	peso di progetto terreno per unità di volume
ϕ_k	=	38.00	°	angolo di attrito interno caratteristico del terreno
ϕ_d	=	32.01	°	angolo di attrito interno di progetto del terreno
k_a	=	0.22	-	coefficiente di spinta attiva secondo Rankine
k_{ad}	=	0.28	-	coefficiente di spinta attiva secondo Rankine
H		6.20		altezza di spinta (in m)

12.1.3 SOVRACCARICO PERMANENTE

Il peso della scarpata a tergo del muro viene considerato come sovraccarico permanente.

Il terreno che grava direttamente sulla fondazione verrò chiamato permanente stabilizzante, mentre il terreno che grava solo sul cuneo di spinta verrà chiamato permanente ribaltante.

12.2 COMBINAZIONI DI CARICO

Si illustrano di seguito le combinazioni di carico utilizzate per le verifiche geotecniche e strutturali. Le combinazioni di verifica risultano conformi a quanto riportato nei paragrafi 2.5.3 ("*Sicurezza e prestazioni attese – Combinazione delle azioni*") e 6.2.3 ("*Progettazione geotecnica – Verifiche della sicurezza e delle prestazioni*") del D.M. 14/01/2008.

		Peso proprio	Peso terreno	Peso permanenti	Peso accidentali	Spinta terre	Spinta permanenti	Spinta accidentali	Azioni in testa muro	Azioni sismiche
Combinazioni per verifiche geotechiche (GEO)	**SLU_GEO-1**	1.00	1.00	1.00	0.00	1.00	1.00	1.30	0.00	0.00
	SLU_GEO-2	1.00	1.00	1.00	1.30	1.00	1.00	1.30	0.00	0.00
	SLU_EQU	0.90	0.90	0.90	0.00	1.10	1.10	1.50	0.00	0.00
	SLU_ECC	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	0.00
	SLU_SISM	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00
Combinazioni per verifiche strutturali (STR)	**SLU_STR**	1.00	1.00	1.00	0.00	1.30	1.30	1.50	0.00	0.00
	SLU_ECC	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	0.00
	SLU_SISM	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00
	SLE_QP	1.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00	0.00
	SLE_FR	1.00	1.00	1.00	0.00	1.00	1.00	0.70	0.00	0.00
	SLE_CAR	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00
	SLE_SISM	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00

Le combinazioni "SLE Quasi Permanente" e "SLE Frequente" vengono utilizzate per le verifiche a Stato Limite di Fessurazione.

12.3 VERIFICHE GEOTECNICHE

12.3.1 SOLLECITAZIONI A LIVELLO INTRADOSSO FONDAZIONE

La tabella seguente riporta le sollecitazioni agenti sul muro, indicando i relativi bracci rispetto al baricentro della faccia d'intradosso della ciabatta di fondazione (b_M) e rispetto all'estremità più a valle della ciabatta di fondazione (b_O).

Azioni sollecitanti a base fondazione del concio	N [kN]	V [kN]	$b_{oriz,(O)}$ [m]	$b_{oriz,(M)}$ [m]	b_{vert} [m]
Peso proprio elevazione	825.00		0.60	1.80	
Peso proprio ciabatta di fondazione	840.00		2.40	0.00	
Peso del terreno da rilevato su ciabatta posteriore	4290.00		2.85	-0.45	
Peso dei sovraccarichi permanenti su ciabatta posteriore	0.00		0.15	2.25	
Spinte del terreno da rilevato a monte	448.12	957.51	4.80	-2.40	2.07
Spinte del terreno dovute a sovraccarichi permanenti	291.28	622.38	4.80	-2.40	3.10
Increm. sismico peso proprio elevazione (SLV)	57.35	114.70	0.60	1.80	3.45
Increm. sismico peso proprio ciabatta di fondazione (SLV)	58.39	116.79	2.40	0.00	0.35
Increm. sismico terreno da rilevato su ciabatta posteriore (SLV)	298.23	596.46	2.85	-0.45	3.45
Increm. sismico sovraccarichi perm. su ciabatta posteriore (SLV)	31.18	62.36	2.85	-0.45	0.70
Spinte sismiche del terreno da rilevato a monte (SLV)	622.82	1330.79	4.80	-2.40	2.07
Spinte sismiche del terreno dovute a sovraccarichi perm. (SLV)	404.83	865.01	4.80	-2.40	3.10

Tali valori andranno opportunamente combinati (secondo le combinazioni di carico riportate nel paragrafo precedente) per effettuare le verifiche di stabilità globale (ribaltamento, scivolamento e portata).

12.3.2 VERIFICHE A RIBALTAMENTO

Si valuta il valore del momento stabilizzante e del momento ribaltante e si verifica che il rapporto tra i due sia maggiore di γ_R = 1.0 secondo la seguente espressione:

$$F_S \quad \frac{M_{stab}}{M_{rib}} \quad \frac{{}_i \; {}_i \; N_i \; b_{i\ oriz(o)}}{{}_i \; {}_i \; V_i \; b_{i\ vert}}$$

dove: γ_i = coefficiente di combinazione della forza N_i (vedi par. 12.2);

N_i = forza verticale (vedi paragrafo 12.3.1);

$b_{i\text{-}oriz(O)}$ = braccio della forza verticale rispetto al centro di rotazione (vedi par. 12.3.1);

γ_i = coefficiente di combinazione della forza V_i (vedi par. 12.2);

V_i = forza orizzontale (vedi par. 12.3.1);

$b_{i\text{-}vert}$ = braccio della forza orizzontale rispetto al centro di rotazione (vedi par. 9.3.1).

Verifiche a ribaltamento		Comb. SLU_EQU	Comb. SLU_ECC	Comb. SLU_SISM
Momento stabilizzante totale	[kNm]	14414	16016	14902
Momento ribaltante totale	[kNm]	395	359	7970
Coefficiente di sicurezza al ribaltamento	[-]	**36.49**	**44.60**	**1.87**

12.3.3 VERIFICHE A SCIVOLAMENTO

Si valuta il valore delle forze verticali (contributi resistenti) e delle forze orizzontali (forze di scorrimento) e si verifica che il rapporto tra le due sia maggiore di γ_R = 1.0 secondo la seguente espressione:

$$F_S \quad \frac{F_{attrito}}{F_{scorrim}} \quad \frac{{}_i \; {}_i \; N_i}{{}_i \; {}_i \; V_i}$$

dove: γ = coefficiente di attrito terreno/fondazione (posto ragionevolmente pari a 0.60);

γ_i = coefficiente di combinazione della forza N_i (vedi par. 12.2);

N_i = forza verticale (vedi par. 12.3.1);

γ_i = coefficiente di combinazione della forza V_i (vedi par. 12.2);

V_i = forza orizzontale (vedi par. 12.3.1).

Verifiche a scivolamento		Comb. SLU_GEO-1	Comb. SLU_ECC	Comb. SLU_SISM
Forza di attrito totale	[kN/m]	3842	3842	3575
Forza di scorrimento totale	[kN/m]	1580	1580	3086
Coefficiente di sicurezza allo scivolamento	[-]	**2.43**	**2.43**	**1.16**

12.3.4 VERIFICHE DI CAPACITÀ PORTANTE DELLA FONDAZIONE

La capacità portata della fondazione è stata calcolata attraverso l'espressione proposta da Brinch-Hansen per le fondazioni superficiali; poichè la fondazione ed il piano campagna risultano orizzontali, si trascurano i fattori correttivi corrispondenti.

La portata limite unitaria è pertanto fornita dalla seguente espressione:

$$q_{lim} \quad \frac{1}{2} \quad B \; N \quad s \quad i \quad c \; N_c \; s_c \; d_c \; i_c \quad q \; N_q \; s_q \; d_q \; i_q$$

dove: $\square'$ = peso specifico terreno di fondazione (sommerso, se in presenza di falda);

B = larghezza equivalente della fondazione (in presenza di carichi eccentrici);

c' = coesione del terreno di fondazione;

q' = sovraccarico dovuto al peso del terreno posto sopra il livello di fondazione;

$N_\square$, N_c, N_q = coefficienti di capacità portante;

$s_\square$, s_c, s_q = coefficienti di forma;

$i_\square$, i_c, i_q = coefficienti correttivi dovuti alla presenza di carichi orizzontali;

d_c, d_q = coefficienti dipendenti dalla profondità del piano di posa.

Di seguito vengono riepilogate le espressioni per il calcolo della larghezza equivalente, del sovraccarico e dei vari coefficienti:

- *Larghezza equivalente della fondazione:*

$$B \quad B_R \quad 2 \; \frac{M}{N}$$

dove: B_R = larghezza reale della fondazione;

M = momento risultante sulla fondazione;

N = azione perpendicolare al piano di posa sulla fondazione.

- *Sovraccarico dovuto al peso del terreno posto sopra il livello di fondazione:*

$$q' \quad {}_t \; D$$

dove: $\square_t$ = peso del terreno di ricoprimento;

D = profondità del piano di posa della fondazione.

- *Coefficienti di capacità portante:*

$$N_q \quad tg^2 \; 45 \quad \frac{'}{2} \quad e^{\;tg(\;')}$$

$$N_c \quad (N_q \quad 1) \; ctg(\;')$$

$$N \quad 2 \; (N_q \quad 1) \; tg(\;')$$

dove: ϕ' = angolo di attrito del terreno di fondazione.

- *Coefficienti di forma (per B<L):*

$$s \quad 1 \quad 0.1 \frac{B}{L} \frac{1 \quad sen(\ '\ )}{1 \quad sen(\ '\ )}$$

$$s_q \quad s$$

$$s_c \quad 1 \quad 0.2 \frac{B}{L} \frac{1 \quad sen(\ '\ )}{1 \quad sen(\ '\ )}$$

dove: ϕ' = angolo di attrito del terreno di fondazione;

B = larghezza equivalente della fondazione (definita in precedenza);

L = lunghezza della fondazione.

- *Coefficienti dipendenti dalla profondità del piano di posa:*

$$d_q \quad 1 \quad 2 \frac{D}{B} \ tg(\ '\ )\ [1 \quad sen(\ '\ )]^2 \qquad \text{per } D/B \quad 1$$

$$d_q \quad 1 \quad 2 \ tg(\ '\ )\ [1 \quad sen(\ '\ )]^2 \ ctg \frac{D}{B} \qquad \text{per } D/B \quad 1$$

$$d_c \quad d_q \quad \frac{1 \quad d_q}{N_c \quad tg(\ '\ )}$$

dove: ϕ' = angolo di attrito del terreno di fondazione;

B = larghezza equivalente della fondazione (definita in precedenza);

D = profondità del piano di posa della fondazione;

N_c = coefficiente di capacità portante (definito in precedenza).

- *Coefficienti correttivi dovuti alla presenza di carichi orizzontali:*

$$i \quad 1 \quad \frac{H}{N \quad B \ L \ c' ctg(\ '\ )}^{(m \quad 1)}$$

$$i_q \quad 1 \quad \frac{H}{N \quad B \ L \ c' ctg(\ '\ )}^{m} \qquad \text{con: } m \quad \frac{2 \quad B/L}{1 \quad B/L}$$

$$i_c \quad i_q \quad \frac{1 \quad d_q}{N_c \quad tg(\ '\ )}$$

dove: ϕ' = angolo di attrito del terreno di fondazione;

c' = coesione del terreno di fondazione;

B = larghezza equivalente della fondazione (definita in precedenza);

L = lunghezza della fondazione;

N = azione perpendicolare al piano di posa sulla fondazione;

H = azione parallela al piano di posa sulla fondazione;

N_c = coefficiente di capacità portante (definito in precedenza);

d_q = coefficiente dipendente dalla profondità del piano di posa (definito in precedenza).

Le verifiche di portata, conformi alle NTC 2008, vengono svolte secondo l'Approccio 1 Combinazione 2 (A2+M2+R2) come prescritto dalla Circ.Min. n°617 del 02/02/2009 (paragrafo C.6.4.2.1). In base a quanto riportato nel D.M. 14/01/2008, la capacità portante della fondazione è verificata se risulta vera la seguente espressione:

$$Sd \quad Rd \quad \frac{lim}{R}$$

dove: $\square_{Sd}$ = pressione equivalente sul terreno;

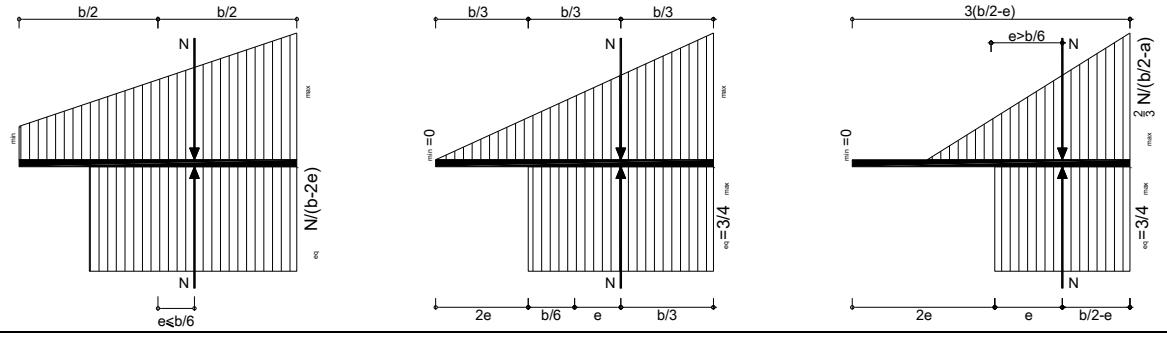
$\square_{lim}$ = portata limite unitaria calcolata secondo Brinch-Hansen;

$\square_{R}$ = coefficiente parziale a Stato Limite Ultimo (pari a 1.80).

Il calcolo del valore equivalente della pressione di contatto nella verifica di portata delle fondazioni superficiali, ampiamente documentato in letteratura ed in particolare nei citati riferimenti bibliografici, si basa sulla considerazione che il comportamento dei terreni risulta tutt'altro che lineare: il calcolo del valore massimo di pressione sulla base della tradizionale ipotesi di validità per il terreno della legge di Hooke (valore $\square_{max}$ nelle tabelle) appare quindi poco significativo.

Il calcolo del valore equivalente si basa sulla valutazione dell'eccentricità delle sollecitazioni, in modo da ridistribuire in maniera uniforme su una dimensione ridotta della platea le sollecitazioni stesse.

Pressione di contatto equivalente in funzione dell'eccentricità della risultante dei carichi



Si riporta di seguito la tabella riassuntiva delle verifiche per le 4 combinazioni di carico analizzate.

Verifiche di portata della fondazione (formulazione di Brinch-Hansen)			Comb. SLU_GEO-1	Comb. SLU_GEO-2	Comb. SLU_ECC	Comb. SLU_SISM
Sollecitazioni sul concio a base fondazione	M	[kNm]	5035	5035	5035	7368
	N	[kN]	6404	6404	6404	5958
	H	[kN]	1580	1580	1580	3086
	e	[m]	0.79	0.79	0.79	1.24
Caratteristiche geometriche della fondazione	B_R	[m]	4.80	4.80	4.80	4.80
	B	[m]	3.23	3.23	3.23	2.33
	L	[m]	10.00	10.00	10.00	10.00
	D	[m]	1.50	1.50	1.50	1.50
	q'	[kN/m^2]	30.00	30.00	30.00	30.00
Caratteristiche geotecniche del terreno di fondazione	¤	[°]	32.01	32.01	32.01	32.01
	c	[kN/m^2]	0.00	0.00	0.00	0.00
	¤fond	[kN/m^3]	21.00	21.00	21.00	21.00
	¤	[°]	0.00	0.00	0.00	0.00
	¤	[°]	0.00	0.00	0.00	0.00
Calcolo della portata limite e di progetto del terreno	$q_{LIM-attr.}$	[kN/m^2]	518.73	518.73	518.73	102.20
	$q_{LIM-coes.}$	[kN/m^2]	0.00	0.00	0.00	0.00
	$q_{LIM-car.lat.}$	[kN/m^2]	527.55	527.55	527.55	235.17
	q_{LIM}	[kN/m^2]	1046.29	1046.29	1046.29	337.37
	F_s	[-]	1.00	1.00	1.00	1.00
	q_d	[kN/m^2]	**1046.29**	**1046.29**	**1046.29**	**337.37**
Sforzi sul terreno di fondazione	¤max	[kN/m^2]	264.54	264.54	264.54	341.41
	¤min	[kN/m^2]	2.27	2.27	2.27	0.00
	L_{reag}	[m]	4.80	4.80	4.80	3.49
	¤eq	[kN/m^2]	**198.42**	**198.42**	**198.42**	**256.05**

dove:

M	il momento flettente alla base dell'opera
N	l'azione verticale alla base dell'opera
H	l'azione orizzontale alla base dell'opera
B_R	la larghezza reale della fondazione
B	la larghezza ridotta della fondazione
¤min	la sollecitazione minima sul terreno
¤max	la sollecitazione massima sul terreno
¤eq	la sollecitazione equivalente sul terreno

Le verifiche di portata risultano pertanto soddisfatte.

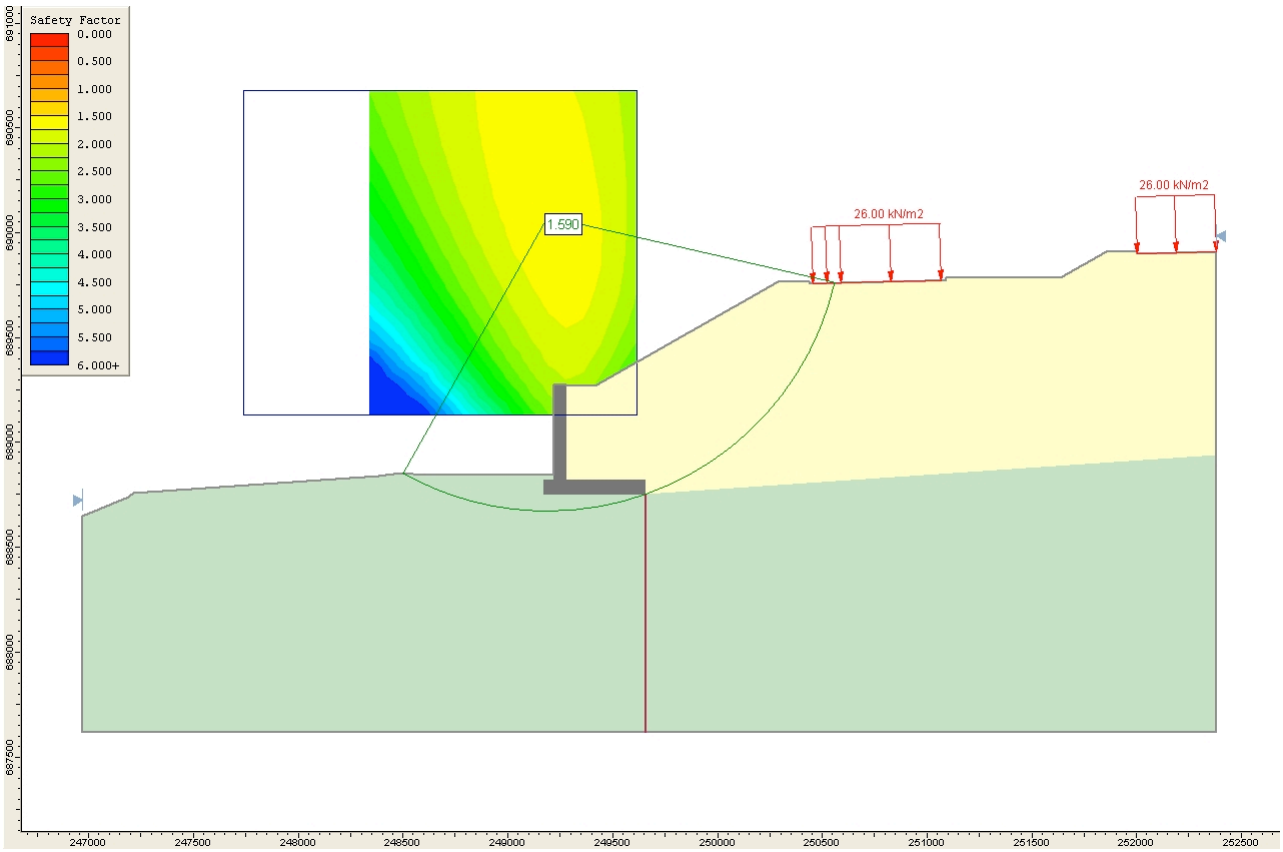
12.3.5 VERIFICHE DI STABILITÀ GLOBALE MURO-TERRENO

Al fine di valutare le condizioni di stabilità globale del versante in cui si inserisce l'opera in progetto sono state condotte analisi di stabilità all'equilibrio limite con il metodo di Bishop basato sull'equilibrio dei momenti e delle forze verticali con risultante delle forze tra i conci contigui assunta orizzontale.

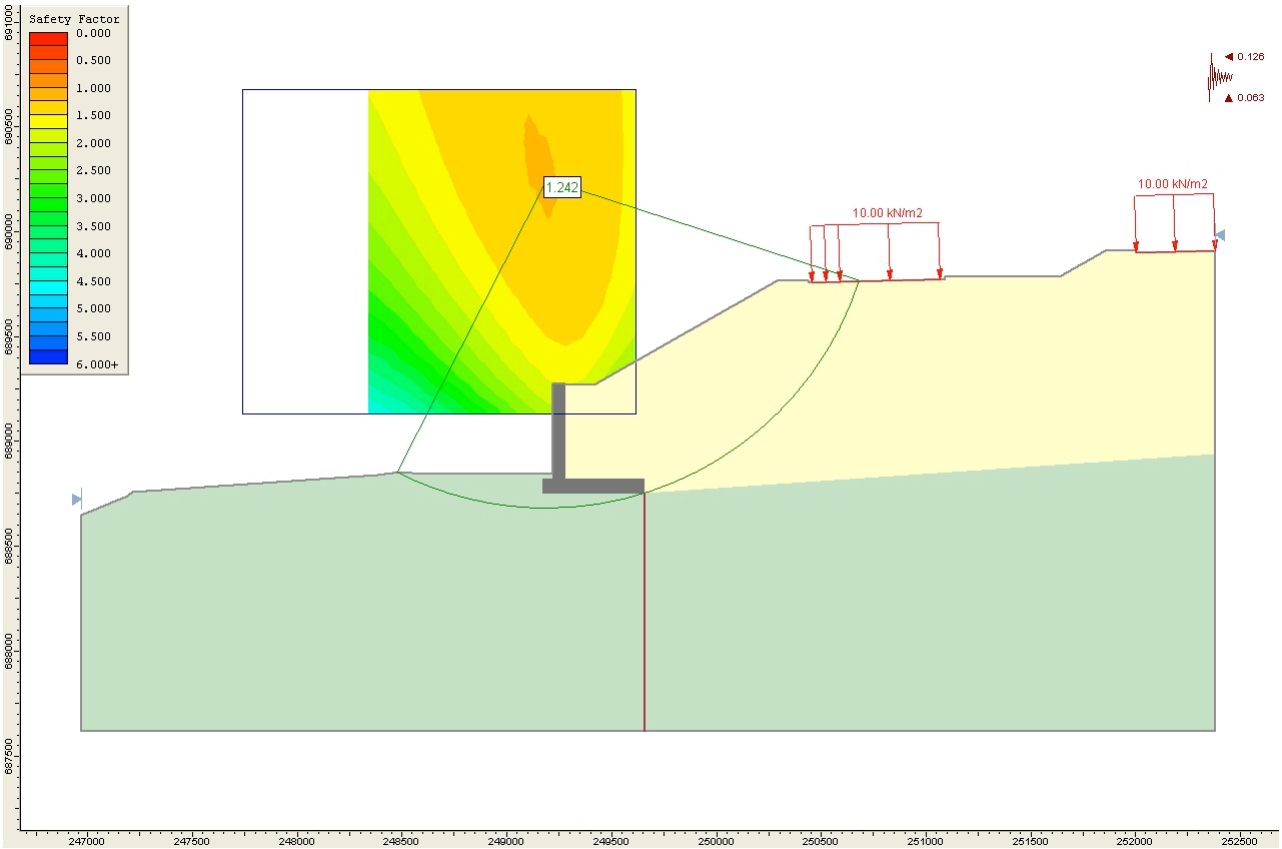
Le analisi di stabilità sono state condotte sia in condizioni statiche sia in condizioni sismiche facendo riferimento alle indicazioni riportate in precedenza; in particolare si assume:

$$\gamma_r \geq 1.1$$

Il sisma è stato rappresentato da un'accelerazione orizzontale e una verticale nelle due direzioni possibili. Nel seguito però sono riportati solo i risultati del caso più gravoso.



Analisi di stabilità caso statico: FS=1.590



Analisi di stabilità caso sismico: FS=1.242

Si precisa che le analisi di stabilità sono state condotte a favore di sicurezza trascurando il contributo benefico fornito dal terreno di contenimento a valle del muro di sostegno (cono del rilevato autostradale).

12.4 VERIFICHE DELL'ELEVAZIONE

12.4.1 RIEPILOGO DELLE SOLLECITAZIONI DI VERIFICA

Nelle seguenti tabelle vengono riportate le sollecitazioni più gravose (con il sovraccarico accidentale) utilizzate per le verifiche sezionali dell'elevazione che corrispondono al caso con sovraccarico accidentale.

Azioni a base risega	N [kN/m]	V [kN/m]	b_{oriz} [m]	b_{vert} [m]
Peso proprio elevazione	82.50		0.00	
Spinte del terreno da rilevato a monte	27.79	59.38	-0.30	1.83
Spinte del terreno dovute a sovraccarichi permanenti	20.36	43.51	-0.30	2.75
Increm. sismico peso proprio elevazione (SLD)	1.56	3.12	0.00	2.75
Spinte sismiche terreno da rilevato a monte (SLD)	30.46	65.08	-0.30	1.83
Spinte sismiche terreno dovute a sovracc. perm. (SLD)	22.32	47.69	-0.30	2.75
Increm. sismico peso proprio elevazione (SLV)	5.74	11.47	0.00	2.75
Spinte sism. terreno da rilevato a monte (SLV)	39.57	84.55	-0.30	1.83
Spinte sism. terreno dovute a sovracc. perm. (SLV)	28.99	61.95	-0.30	2.75

	N [kN/m]	V [kN/m]	M [kNm/m]
SLU_STR	83	134	278
SLU_ECC	83	103	214
SLU_SISM	77	261	550
SLE_QP	83	103	214
SLE_FR	83	103	214
SLE_CAR	83	103	214
SLE_SISM	81	116	243

(nella tabella precedente N positiva se di compressione).

12.4.2 VERIFICHE AGLI STATI LIMITE DI ESERCIZIO

Le condizioni di carico "1" e "2" sono utilizzate per le verifiche agli SLE (limitazione delle tensioni di trazione nell'acciaio e di compressione nel calcestruzzo); la condizioni di carico "1" anche relative alle verifiche a fessurazione.

Si adotta l'armatura seguente:

- Intradosso (lato terreno): ø 14/20 (ripartitori esterni: ø 10/20)
- Estradosso: ø 20/10 (ripartitori esterni: ø 10/10)

Il copriferro netto è pari a 4 cm.

```
Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    60.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a    54.3 cm da intradosso
10 ø20 mm posizionati a     6.0 cm da intradosso

Area armatura normale = 3911.3 (mm²)     a    15.5 cm da intrad.

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Coefficiente d'omogeneizzazione dell'armatura =15

Condizione di carico 1

Momento        =     214.0(KN.m)
Sforzo normale =     -83.0(KN)

Compressione massima nel calcestruzzo   =   -4.73(N/mm²)
Trazione massima nell'acciaio           =  129.74(N/mm²)
Distanza asse neutro da lembo compresso =   19.1 (cm)
Braccio di leva interno           =   47.9 (cm)

Condizione di carico 2

Momento        =     243.0(KN.m)
Sforzo normale =     -81.0(KN)

Compressione massima nel calcestruzzo   =   -5.36(N/mm²)
Trazione massima nell'acciaio           =  149.09(N/mm²)
Distanza asse neutro da lembo compresso =   18.9 (cm)
Braccio di leva interno           =   48.0 (cm)
```

I valori di tensione nei materiali sono inferiori ai limiti di normativa.

12.4.3 VERIFICHE AGLI STATI LIMITE DI FESSURAZIONE

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    60.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a    54.3 cm da intradosso
10 ø20 mm posizionati a     6.0 cm da intradosso

Area armatura normale = 3911.3 (mm²)     a    15.5 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'intradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  10.0 cm
Diametro massimo barre          =  20.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (f_ctm) =  31.5  kg/cm^2
Momento di prima fessurazione (□  = 0.7 · 1.2·f_ctm) = 205.06 (KN.m)
Momento di fessurazione (□  = f_ctm)            = 244.12 (KN.m)

Stadio non fessurato
Coefficiente di omogeneizzazione   =  15
Distanza asse neutro da lembo teso =  27.5 cm
Altezza del tirante ideale         =  20.0 cm
Densità d'armatura del tirante ideale =  1.571 %

Stadio fessurato
Coefficiente di omogeneizzazione   =  15
Distanza media fra due fessure attigue S_m =  20.1 cm
Momento di fessurazione; Trazione acciaio =   148.0 (N/mm²)
Coeff. K_3 ( =[0.25·(□_1+□_2) / (2· □_1)] )     =  0.159
Trazione nell'acciaio per il calcolo della fessura =   129.74 (N/mm²)
Ampiezza della fessura (w = 1.7 · S_m · □_sm / E_s)     = 0.0563 - 0.0563 mm
```

Il valore dell'ampiezza teorica delle fessure risulta inferiore al valore limite da normativa (0.3 mm); la verifica è pertanto soddisfatta.

12.4.4 VERIFICHE ALLO STATO LIMITE ULTIMO PER FLESSIONE

```
METODO SEMIPROBABILISTICO - VERIFICA A ROTTURA

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    60.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a    54.3 cm da intradosso
10 ø20 mm posizionati a     6.0 cm da intradosso

Area armatura normale = 3911.3 (mm²)     a    15.5 cm da intrad.

Caratteristiche Fisico-Elastiche dei materiali

Modulo Elastico acciaio normale          =  210000.0(N/mm²)
Modulo Elastico calcestruzzo             =   36000.0(N/mm²)
Resistenza cubica del calcestruzzo:  Rck  =   40.00(N/mm²)
Resistenza cubica iniziale (alla tesatura):Rckj  =   20.00(N/mm²)
Soglia di snervamento acciaio normale: Fyk       =  450.00(N/mm²)

Ipotesi di calcolo

Legge costitutiva del calcestruzzo :      Parabola Rettangolo
Accorciamento ultimo a flessione = 0.3500 %
Accorciamento ultimo a compress. = 0.2000 %
Legge costitutiva dell'acciaio normale :  Bilineare
Allungamento ultimo acciaio normale =  7.500 %
Coefficiente di sicurezza calcestruzzo : γc = 1.500
Coefficiente di sicurezza acciaio : γs = 1.150
Termine di lunga durata : F1 = 0.850
Rapporto Rcyl/Rcubo: F2 = 0.830
Resistenza di progetto calcestruzzo : F1·F2·Rcubo/γc = 0.47Rcubo
Resistenza di progetto dell'acciaio : Fsd = Fyk/γs = 0.87Fyk

Resistenze di progetto

Calcestruzzo             =   18.81(N/mm²)
Acciaio normale          =  391.30(N/mm²)

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Condizione di carico 1

Momento di Progetto Md  =     278.0(KN.m)
Sforzo di Progetto  Nd  =     -83.0(KN)

Distanza asse neutro da lembo compresso =    7.7 (cm)
Momento di Rottura  Mr  =     643.3(KN.m)
Sforzo di Rottura   Nr  =     -83.4(KN)
Rottura nel Dominio  3
Rapporto Mr/Md  =  2.314

Condizione di carico 2

Momento di Progetto Md  =     214.0(KN.m)
```

```
Sforzo di Progetto  Nd  =     -77.0(KN)

Distanza asse neutro da lembo compresso =    7.6 (cm)
Momento di Rottura  Mr  =     641.8(KN.m)
Sforzo di Rottura   Nr  =     -76.8(KN)
Rottura nel Dominio  3
Rapporto Mr/Md  =  2.999

Condizione di carico 3

Momento di Progetto Md  =     550.0(KN.m)
Sforzo di Progetto  Nd  =     -77.0(KN)

Distanza asse neutro da lembo compresso =    7.6 (cm)
Momento di Rottura  Mr  =     641.8(KN.m)
Sforzo di Rottura   Nr  =     -76.8(KN)
Rottura nel Dominio  3
Rapporto Mr/Md  =  1.167
```

La verifica risulta soddisfatta in quanto, per tutte le combinazioni di carico esaminate, il coefficiente di sicuezza è superiore a uno.

12.4.5 VERIFICHE ALLO STATO LIMITE ULTIMO PER TAGLIO

Si riportano le verifiche a taglio secondo quanto riportato in D.M. 14/01/2008 § 4.1.2.1.3.

Caratteristiche dei materiali:

Resistenza caratteristica a compressione cubica cls	R_{ck}	=	**40**	N/mm^2
Resistenza caratteristica a compressione cilindrica cls	f_{ck}	=	33	N/mm^2
Resistenza di calcolo a compressone del cls	f_{cd}	=	18.81	N/mm^2
Resistenza di calcolo a trazione dell'acciaio	f_{yd}	=	391.30	N/mm^2

Sollecitazioni di verifica (S.L.U.):

Valore di calcolo dello sforzo di taglio agente	V_{Ed}	=	**261.00**	kN
Valore di calcolo della forza assiale associata a V_{Ed}	$N (V_{Ed})$	=	**83.00**	kN
Valore di calcolo del momento flettente associato a V_{Ed}	$M (V_{Ed})$	=	**550.00**	kNm

Caratteristiche geometriche della sezione:

Altezza utile della sezione	d	=	**543**	mm
Larghezza minima della sezione	b_w	=	**1000**	mm

Armatura della sezione in zona tesa:

Diametro ferri longitudinali	¤	=	**20**	mm
Numero tondini longitudinali utilizzati	n	=	**10**	--
Area totale di armatura longitudinale in zona tesa	A_{sl}	=	3140	mm^2
Rapporto geometrico dell'armatura longitudinale (≤ 0.02)	¤$_l$	=	0.0058	--

Elementi senza armature trasversali resistenti a taglio

Fattore dipendente dall'altezza utile della sezione (≤ 2)	k	=	1.61	--
Tensione dipendente dal fattore k e dalla resistenza del cls	v_{min}	=	0.41	N/mm^2
Tensione media di compressione nella sezione (≤ 0.2¤f_{cd})	¤$_{cp}$	=	0.15	N/mm^2
Resistenza ultima a taglio minima	$V_{Rd,min}$	=	235.51	kN
Resistenza ultima a taglio (V_{Rd} ¤ $V_{Rd,min}$)	V_{Rd}	=	**292.82**	**kN**

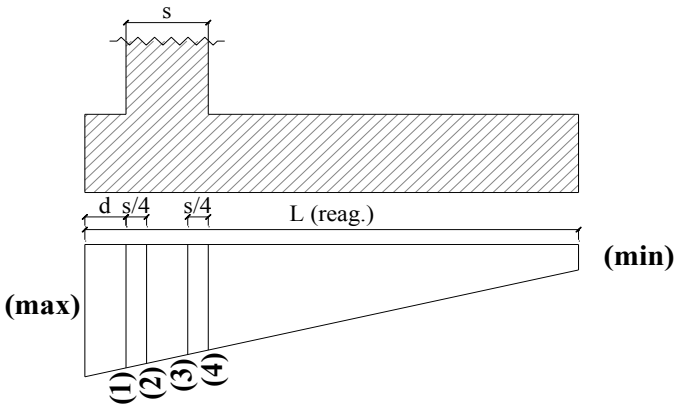
Dato che la verifica risulta soddisfatta non occorre disporre un'apposita armatura resistente a

taglio.

12.5 VERIFICHE DELLA FONDAZIONE

Considerando la geometria della ciabatta di fondazione, come indicato nella sottostante figura, si analizza la mensola a monte come una mensola snella e la mensola a valle come una mensola tozza.

Indicare il rapporto limite di snellezza h/L:				**1.20**
Tipologia della mensola anteriore:	**TOZZA**	***h/L =***	***0.43***	***< 1.20***
Tipologia della mensola posteriore:	**SNELLA**	***h/L =***	***5.57***	***> 1.20***



12.5.1 RIEPILOGO DELLE SOLLECITAZIONI DI VERIFICA MENSOLA SNELLA

Nella seguente tabella vengono riportate le sollecitazioni più gravose (con il sovraccarico accidentale) utilizzate per le verifiche sezionali della mensola snella posteriore.

Azioni a base fondazione (punto M)	N [kN/m]	V [kN/m]	b_{oriz} [m]	b_{vert} [m]
Peso proprio elevazione	82.50		1.80	
Peso proprio ciabatta di fondazione	84.00		0.00	
Peso del terreno da rilevato su ciabatta posteriore	429.00		-0.45	
Peso dei sovraccarichi permanenti su ciabatta posteriore	44.85		-0.45	
Spinte del terreno da rilevato a monte	35.32	75.46	-2.40	2.07
Spinte del terreno dovute a sovraccarichi permanenti	22.96	49.05	-2.40	3.10
Increm. sismico peso proprio elevazione (SLV)	5.74	11.47	1.80	3.45
Increm. sismico peso proprio ciabatta di fondazione (SLV)	5.84	11.68	0.00	0.35
Increm. sismico terreno da rilevato su ciabatta posteriore (SLV)	29.82	59.65	-0.45	3.45
Increm. sismico sovraccarichi perm. su ciabatta posteriore (SLV)	3.12	6.24	-0.45	0.70
Spinte sismiche del terreno da rilevato a monte (SLV)	50.28	107.44	-2.40	2.07
Spinte sismiche del terreno dovute a sovraccarichi perm. (SLV)	32.68	69.84	-2.40	3.10
Increm. sismico peso proprio elevazione (SLD)	1.56	3.12	1.80	3.45
Increm. sismico peso proprio ciabatta di fondazione (SLD)	1.59	3.18	0.00	0.35
Increm. sismico terreno da rilevato su ciabatta posteriore (SLD)	8.11	16.22	-0.45	3.45
Increm. sismico terreno da rilevato su ciabatta anteriore (SLD)	0.00		2.25	
Increm. sismico sovraccarichi perm. su ciabatta posteriore (SLD)	0.85	1.70	-0.45	0.70
Spinte sismiche del terreno da rilevato a monte (SLD)	38.71	82.70	-2.40	2.07
Spinte sismiche del terreno dovute a sovraccarichi perm. (SLD)	25.16	53.76	-2.40	3.10

Azioni mensola snella	AZIONI PER VERIFICHE	
	V [kN/m]	M [kNm/m]
Combinazione di carico SLU_STR	10	-62
Combinazione di carico SLU_ECC	6	-44
Combinazione di carico SLU_SISM	-117	-505
Combinazione di carico SLE_QP	6	-44
Combinazione di carico SLE_FR	6	-44
Combinazione di carico SLE_CAR	6	-44
Combinazione di carico SLE_SISM	-119	-333

12.5.2 VERIFICHE AGLI STATI LIMITE DI ESERCIZIO

Per la mensola snella si adotta la seguente armatura:

- Intradosso fondazione: ø 14/20 (ripartitori esterni: ø 10/20)
- Estradosso fondazione: ø 20/10 (ripartitori esterni: ø 10/10)

Si considera una sezione trasversale di conglomerato pari a 100 cm × 70 cm.

Il copriferro netto della sezione è pari a 4 cm.

Le condizioni di carico "1" e "2" sono utilizzate per le verifiche agli SLE (limitazione delle tensioni di trazione nell'acciaio e di compressione nel calcestruzzo); le condizioni di carico "1" sono anche relative alle verifiche a fessurazione.

```
Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    70.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.3 cm da intradosso
10 ø20 mm posizionati a    64.0 cm da intradosso

Area armatura normale = 3911.3 (mm²)     a    52.4 cm da intrad.

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Coefficiente d'omogeneizzazione dell'armatura =15

Condizione di carico 1

Momento        =     -44.0(KN.m)
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -0.72(N/mm²)
Trazione massima nell'acciaio           =   24.34(N/mm²)
Distanza asse neutro da lembo compresso =   19.6 (cm)
Braccio di leva interno           =   57.6 (cm)

Condizione di carico 2

Momento        =    -333.0(KN.m)
Sforzo normale =       0.0(KN)

Compressione massima nel calcestruzzo   =   -5.43(N/mm²)
Trazione massima nell'acciaio           =  184.19(N/mm²)
Distanza asse neutro da lembo compresso =   19.6 (cm)
Braccio di leva interno           =   57.6 (cm)
```

I valori di tensione nei materiali sono inferiori ai limiti di normativa.

12.5.3 VERIFICHE AGLI STATI LIMITE DI FESSURAZIONE

```
CALCOLO AMPIEZZA TEORICA DELLE FESSURE

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari -  3 Parametri geometrici -
Unita` di misura:(cm)   - Elenco dei parametri ad iniziare dall'estradosso

b1   100.0
h2    70.0   b3   100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a     5.3 cm da intradosso
10 ø20 mm posizionati a    64.0 cm da intradosso

Area armatura normale = 3911.3 (mm²)     a    52.4 cm da intrad.

Armatura in barre ad aderenza migliorata
E' teso l'estradosso della sezione
Copriferro minimo di norma      =   2.5 cm
Copriferro effettivo sezione    =   5.0 cm
Interferro                      =  10.0 cm
Diametro massimo barre          =  20.0 (mm)
Rapporto sforzo normale/momento =   0.0 cm^-1
Trazione calcestruzzo di fessurazione (fctm) =  26.0  kg/cm^2
Momento di prima fessurazione (■  = 0.7 · 1.2·fctm) = 216.88 (KN.m)
Momento di fessurazione (■  = fctm)            = -2.582E+02 (KN.m)
```

Poiché il momento sollecitante risulta inferiore al momento di 1° fessurazione la verifica a fessurazione perde di significato.

12.5.4 VERIFICHE ALLO STATO LIMITE ULTIMO PER FLESSIONE

METODO SEMIPROBABILISTICO - VERIFICA A ROTTURA

Sezione descritta con il metodo dei trapezi elementari

1 Trapezi elementari - 3 Parametri geometrici -
Unita` di misura:(cm) - Elenco dei parametri ad iniziare dall'estradosso

b1 100.0
h2 70.0 b3 100.0

Descrizione dell'armatura normale

5 ø14 mm posizionati a 5.3 cm da intradosso
10 ø20 mm posizionati a 64.0 cm da intradosso

Area armatura normale = 3911.3 (mm²) a 52.4 cm da intrad.

Caratteristiche Fisico-Elastiche dei materiali

Modulo Elastico acciaio normale = 210000.0(N/mm²)
Modulo Elastico calcestruzzo = 31176.9(N/mm²)
Resistenza cubica del calcestruzzo: R_{ck} = 30.00(N/mm²)
Resistenza cubica iniziale (alla tesatura):R_{ckj} = 20.00(N/mm²)
Soglia di snervamento acciaio normale: F_{yk} = 450.00(N/mm²)

Ipotesi di calcolo

Legge costitutiva del calcestruzzo : Parabola Rettangolo
Accorciamento ultimo a flessione = 0.3500 %
Accorciamento ultimo a compress. = 0.2000 %
Legge costitutiva dell'acciaio normale : Bilineare
Allungamento ultimo acciaio normale = 7.500 %
Coefficiente di sicurezza calcestruzzo : γ_c = 1.500
Coefficiente di sicurezza acciaio : γ_s = 1.150
Termine di lunga durata : F_1 = 0.850
Rapporto R_{cyl}/R_{cubo}: F_2 = 0.830
Resistenza di progetto calcestruzzo : $F_1 \cdot F_2 \cdot R_{cubo}/\gamma_c = 0.47R_{cubo}$
Resistenza di progetto dell'acciaio : $F_{sd} = F_{yk}/\gamma_s = 0.87F_{yk}$

Resistenze di progetto

Calcestruzzo = 14.11(N/mm²)
Acciaio normale = 391.30(N/mm²)

Convenzioni di segno

Sono positive le trazioni
Sono positivi i momenti che tendono l'intradosso sezione

Condizione di carico 1

Momento di Progetto M_d = -62.0(KN.m)
Sforzo di Progetto N_d = 0.0(KN)

Distanza asse neutro da lembo compresso = 8.8 (cm)
Momento di Rottura M_r = -739.2(KN.m)
Sforzo di Rottura N_r = -4.0(KN)
Rottura nel Dominio 3
Rapporto M_r/M_d = 11.923

Condizione di carico 2

Momento di Progetto M_d = -44.0(KN.m)

```
Sforzo di Progetto  Nd  =       0.0(KN)

Distanza asse neutro da lembo compresso =    8.8 (cm)
Momento di Rottura  Mr  =    -739.2(KN.m)
Sforzo di Rottura   Nr  =      -4.0(KN)
Rottura nel Dominio  3
Rapporto Mr/Md  = 16.801
```

<u>Condizione di carico 3</u>

```
Momento di Progetto Md  =    -505.0(KN.m)
Sforzo di Progetto  Nd  =       0.0(KN)

Distanza asse neutro da lembo compresso =    8.8 (cm)
Momento di Rottura  Mr  =    -739.2(KN.m)
Sforzo di Rottura   Nr  =      -4.0(KN)
Rottura nel Dominio  3
Rapporto Mr/Md  =  1.464
```

La verifica risulta soddisfatta in quanto, per tutte le combinazioni di carico esaminate, il coefficiente di sicurezza è superiore a uno.

12.5.5 VERIFICHE ALLO STATO LIMITE ULTIMO PER TAGLIO

Si riportano le verifiche a taglio secondo quanto riportato in D.M. 14/01/2008 § 4.1.2.1.3.

Caratteristiche dei materiali:

Resistenza caratteristica a compressione cubica cls	R_{ck}	=	**30**	N/mm^2
Resistenza caratteristica a compressione cilindrica cls	f_{ck}	=	25.00	N/mm^2
Resistenza di calcolo a compressone del cls	f_{cd}	=	14.11	N/mm^2
Resistenza di calcolo a trazione dell'acciaio	f_{yd}	=	391.30	N/mm^2

Sollecitazioni di verifica (S.L.U.):

Valore di calcolo dello sforzo di taglio agente	V_{Ed}	=	**117.00**	kN
Valore di calcolo della forza assiale associata a V_{Ed}	**N (V_{Ed})**	=	**0.00**	kN
Valore di calcolo del momento flettente associato a V_{Ed}	**M (V_{Ed})**	=	**0.00**	kNm

Caratteristiche geometriche della sezione:

Altezza utile della sezione	**d**	=	**643**	mm
Larghezza minima della sezione	b_w	=	**1000**	mm

Armatura della sezione in zona tesa:

Diametro ferri longitudinali	**¤**	=	**20**	mm
Numero tondini longitudinali utilizzati	**n**	=	**10**	--
Area totale di armatura longitudinale in zona tesa	A_{sl}	=	3140	mm^2
Rapporto geometrico dell'armatura longitudinale (≤ 0.02)	$¤_l$	=	0.0049	--

Elementi senza armature trasversali resistenti a taglio

Fattore dipendente dall'altezza utile della sezione (≤ 2)	**k**	=	1.56	--
Tensione dipendente dal fattore k e dalla resistenza del cls	v_{min}	=	0.34	N/mm^2
Tensione media di compressione nella sezione (≤ 0.2¤f_{cd})	$¤_{cp}$	=	0.00	N/mm^2
Resistenza ultima a taglio minima	$V_{Rd,min}$	=	218.33	kN
Resistenza ultima a taglio (V_{Rd} ¤ $V_{Rd,min}$)	V_{Rd}	=	**276.39**	**kN**

Dato che la verifica risulta soddisfatta non occorre disporre un'apposita armatura resistente a

taglio.

12.6 VERIFICA MENSOLA TOZZA

Nella seguente tabella vengono riportate le sollecitazioni più gravose utilizzate per le verifiche sezionali della mensola tozza anteriore.

Azioni mensola tozza	F_{reaz} [kN/m]	b_{Freaz} [m]	F_{tir} [kN/m]	σ_s [N/mm^2]
Combinazione di carico SLU_STR	83.48	0.23	31.78	4.13
Combinazione di carico SLU_ECC	76.48	0.23	29.06	3.78
Combinazione di carico SLU_SISM	118.77	0.23	45.79	5.95

13 ANALISI DELLE PARATIE PROVVISORIE

13.1 CARATTERISTICHE DI CALCOLO

Il dimensionamento delle paratie è stato condotto utilizzando il metodo agli stati limite secondo le Nuove Norme Tecniche per le Costruzioni, il D.M. 14/01/2008. Tale normativa impone una doppia verifica, agli Stati Limite d'Esercizio e agli Stati Limite Ultimi. Nelle condizioni di esercizio si verifica che le deformazioni risultino ammissibili per le strutture e per i terreni in sito, considerando valori caratteristici sia dei carichi sia dei parametri del terreno, mentre agli S.L.U., la normativa impone di considerare almeno i seguenti stati limite:

- Collasso per rotazione attorno ad un punto dell'opera;
- Collasso per carico limite verticale;
- Sfilamento di uno o più ancoraggi;
- Instabilità del fondo scavo;
- Sifonamento del fondo scavo;
- Instabilità globale dell'insieme terreno-opera;
- Raggiungimento della resistenza in uno o più ancoraggi;
- Raggiungimento della resistenza in uno o più sistemi di contrasto;
- Raggiungimento della resistenza strutturale della paratia;

accertando che sia soddisfatta, per ogni stato limite considerato, la condizione:

$$E_d < R_d$$

dove E_d e R_d rappresentano rispettivamente le sollecitazioni e le resistenze di progetto, calcolate tenendo in conto dei coefficienti parziali per le azioni e per i parametri geotecnici riportati nelle seguenti tabelle:

carichi	effetto	coeff. parziale	EQU	A1 (STR)	A2 (GEO)
Permanenti	favorevole	G1	0.9	1.0	1.0
	sfavorevole		1.1	1.3	1.0
Permanenti non strutturali	favorevole	G2	0.0	0.0	0.0
	sfavorevole		1.5	1.5	1.3
Variabili	favorevole	Qi	0.0	0.0	0.0
	sfavorevole		1.5	1.5	1.3

Tabella 6.2.I delle N.T.C. 2008

parametro	simbolo	coeff. parziale	M1	M2
tangente angolo di attrito	$\tan\ '_k$	$'$	1.00	1.25
coesione efficace	c'_k	c'	1.00	1.25
resistenza non drenata	c_{uk}	cu	1.00	1.40
peso unità di volume			1.00	1.00

Tabella 6.2.II delle N.T.C. 2008

La verifica di stabilità globale dell'insieme terreno-opera è effettuata secondo l'approccio 1, combinazione2:

A2+M2+R2

In accordo con la Tabella 6.8.I del D.M. 14/02/2008 il coefficiente parziale sulle resistenza R2 è pari a 1.1, mentre i coefficienti A2 e M2 sono quelli già citati sopra.

Le rimanenti verifiche sono state effettuate adottando le seguenti combinazioni di coefficienti. Il segno '+', in ossequio alla nuova normativa, ha il significato di 'combinato con'.

	Combinazione
Comb1	A1+M1+R1
Comb2	A2+M2+R1

I fattori parziali associati al caso 'R1' risultano tutti unitari. Il programma di calcolo utilizzato, Paratie Plus 2010, è in grado di distinguere i contributi dei vari carichi è, conseguentemente, di amplificare le sollecitazioni ad essi associate per i coefficienti A corrispondenti.

La verifica strutturale dei contrasti è condotta con riferimento alla peggiore delle combinazioni sopra descritte (Comb1 e Comb2).

Poichè l'opera in oggetto è di tipo provvisionale e la durata prevista in progetto risulta inferiore a 2 anni, la fase sismica viene trascurata (in accordo con quanto riportato nel paragrafo 2.4.1 del D.M.14/01/2008).

13.2 STRATIGRAFIA DI PROGETTO

Di seguito si riportano i parametri geotecnici caratteristici delle varie unità assunti nei calcoli, conformi a quanto riportato nel paragrafo "Caratterizzazione geotecnica".
Si precisa che, a favore di sicurezza, viene trascurato lo strato di "*plutonite*". Tale strato presenta infatti caratteristiche meccaniche molto migliori rispetto allo strato che lo precede ("*depositi terrazzati marini*"), che pertanto verrà esteso oltre il suo limite.

Unità [-]	Tipologia [-]	S [m]	 [kN/m^3]	c [kPa]	 [°]	 [-]	E_{vc} [kPa]	E_{ur} [kPa]
A	Terreno da rilevato	2.50	20	0	38	0.3	50000	150000
B	Depositi terrazzati marini	15.00	20	0	38	0.2	41000	123000

dove:

S	Spessore dello strato di terreno (da quota testa paratia)
◘	Peso di volume del terreno
c	Coesione drenata
◘	Angolo di attrito
◘	Coefficiente di Poisson
E_{vc}	Modulo elastico in compressione vergine
E_{ur}	Modulo elastico in fase di scarico/ricarico

Per l'unità B ("*Depositi terrazzati marini*") viene assunto un valore del modulo elastico E_{vc} compatibile con quello definito nella caratterizzazione geotecnica per opere che subiscono spostamenti relativamente piccoli (dell'ordine di qualche cm).
La falda non risulta interferente con l'opera: nel programma di calcolo viene pertanto posizionata ad una quota inferiore rispetto alla quota di base della paratia (indicativamente -20 m dalla quota di testa della paratia).

13.3 PARAMETRI DI SPINTA

Il coefficiente di spinta a riposo dei terreni considerati è stato calcolato secondo il procedimento dell'equilibrio limite di Rankine:

$K_0 \quad 1 \quad \sin$ (spinta a riposo)

I valori dei coefficienti di spinta attiva (k_a) sono stati calcolati secondo la relazione di Coulomb, mentre i coefficienti di spinta passiva (k_p) secondo la relazioni di Rankine: il valore dell'angolo di attrito terreno-paratia (▫) è stato assunto pari a 0.5▫▫ per la spinta attiva, mentre è stato prudenzialmente assunto nullo per il calcolo della spinta passiva.

La relazione di Coulomb per il calcolo del coefficiente di spinta attiva, con le condizioni assunte, è la seguente:

$$K_a \quad \frac{\text{sen}^2(\quad)}{\text{sen}^2 \quad \text{sen} \quad 1 \quad \sqrt{\frac{\text{sen}(\quad) \ \text{sen}}{\text{sen}(\quad) \ \text{sen}(\quad)}}^{\,2}} \qquad \text{(spinta attiva)}$$

dove: φ = angolo d'attrito del terreno;

▫= inclinazione del paramento di monte del muro (90°);

▫= angolo d'attrito lungo la superficie di rottura;

▫ = Inclinazione del pendio a monte.

La relazione di Rankine per il calcolo della spinta passiva è:

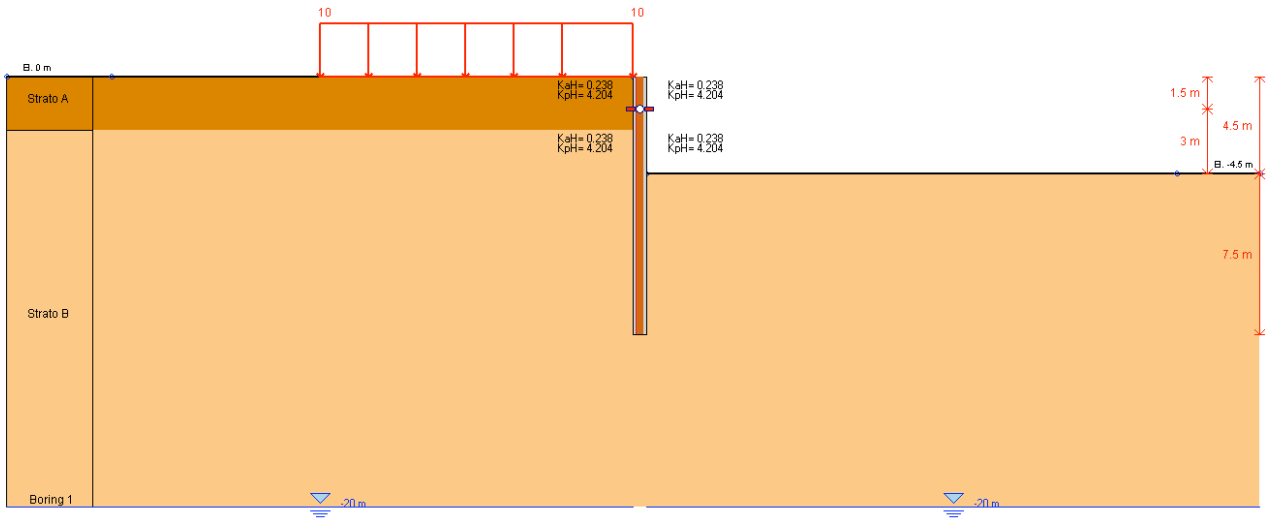
$$K_p \quad \frac{1 \quad \text{sen}}{1 \quad \text{sen}} \qquad \text{(spinta passiva)}$$

La tabella seguente riassume i coefficienti di spinta utilizzati nei calcoli effettuati; il pedice 'h' indica che i coefficienti di spinta attiva e passiva sono stati calcolati in direzione orizzontale.

Unità [-]	S.L. [-]	Valori [-]	Approccio [-]	▫ [°]	K_0 [-]	K_{ha} [-]	K_{hp} [-]
A	S.L.E.	caratteristici	-	38	0.38	0.24	4.20
	S.L.U.	caratteristici	A1+M1+R1	38	0.38	0.24	4.20
	S.L.U.	progetto	A2+M2+R1	32	0.47	0.31	3.26
B	S.L.E.	caratteristici	-	38	0.38	0.24	4.20
	S.L.U.	caratteristici	A1+M1+R1	38	0.38	0.24	4.20
	S.L.U.	progetto	A2+M2+R1	32	0.47	0.31	3.26

13.4 PARATIA H=4.50m

Il tratto in oggetto della paratia viene realizzato mediante micropali ◘ 220 mm di lunghezza 12 m e interasse 30 cm (armati con profili metallici PM127◘8) e sostenuti da 1 ordine di puntelli (posizionato a quota -1.50m dalla testa della paratia) composti da profili commerciali in acciaio tipo HEB260 e HEB200.



Modello di calcolo

13.4.1 GEOMETRIA E FASI DI REALIZZAZIONE

Nel paragrafo in oggetto si dimensiona dal punto di vista strutturale la paratia necessaria per raggiungere la massima quota di scavo, posta a circa -4.50 m dalla quota dello stato di fatto. Per tener conto dei carichi accidentali transitanti sulla pista di lavoro, a monte della paratia viene inserito un sovraccarico accidentale pari a 10 kN/m^2 (per una larghezza della pista posta pari a 5.00m). La situazione di studio viene riepilogata nella seguente tabella:

Tipologia paratia [-]	Quota testa paratia [m]	Quota fondo scavo [m]	Ordini di contrasti [n°]
Berlinese	0.00	-4.50	1

I contrasti sono affidati a profili commerciali in acciaio tipo HEB260 e HEB200.

Di seguito si riportano gli step di calcolo:

- *STEP 0: Condizione geostatica*

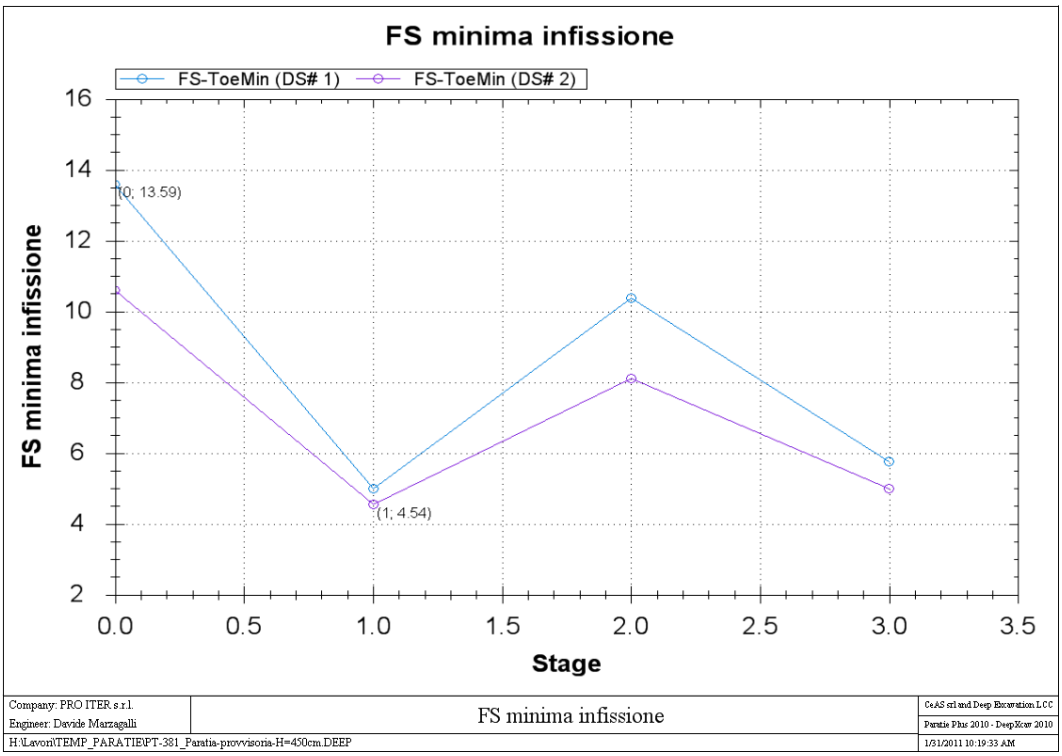
  Corrisponde alla fase geostatica iniziale: le quote del terreno a monte e a valle della paratia coincidono (quota 0 m).
- *STEP 1: Scavo per posizionamento 1° ordine di contrasti*

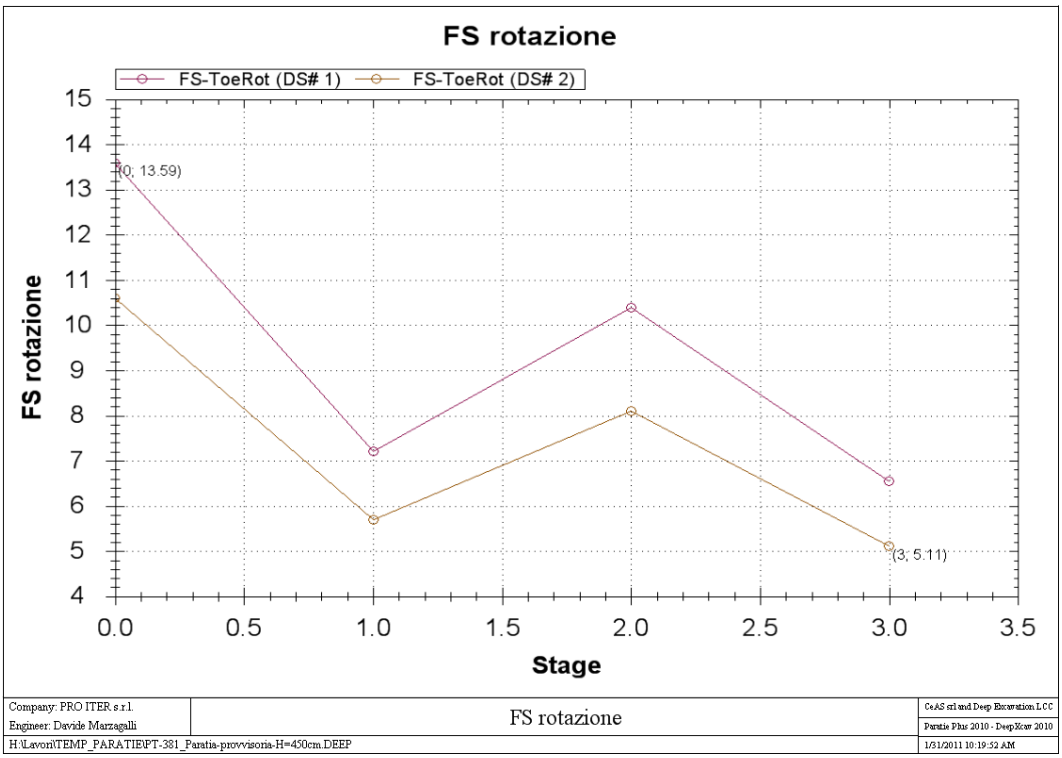
  Corrisponde alla fase di scavo a valle fino al raggiungimento di quota -2.00 m, al fine di poter mettere in opera il 1° ordine di contrasti (posti a quota -1.50 m).
- *STEP 2: Messa in opera 1° ordine di contrasti*

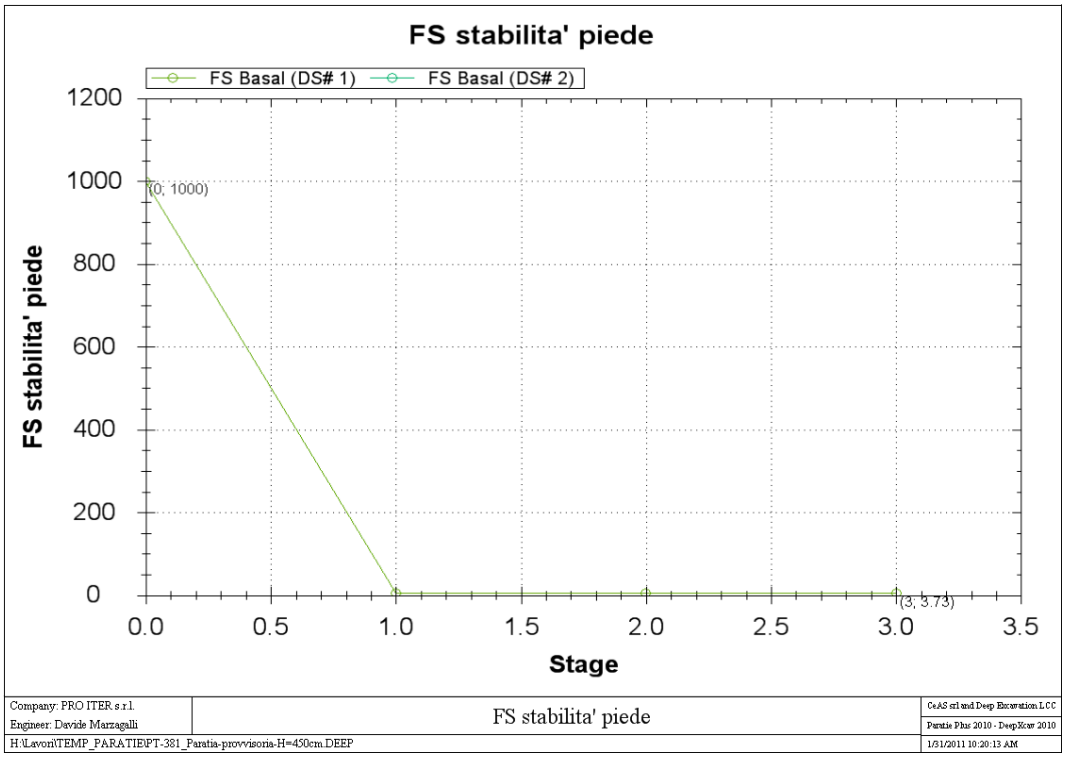
  In tale fase viene considerato attivo il 1° ordine di contrasti (vincolo fisso).
- *STEP 3: Fondo scavo*

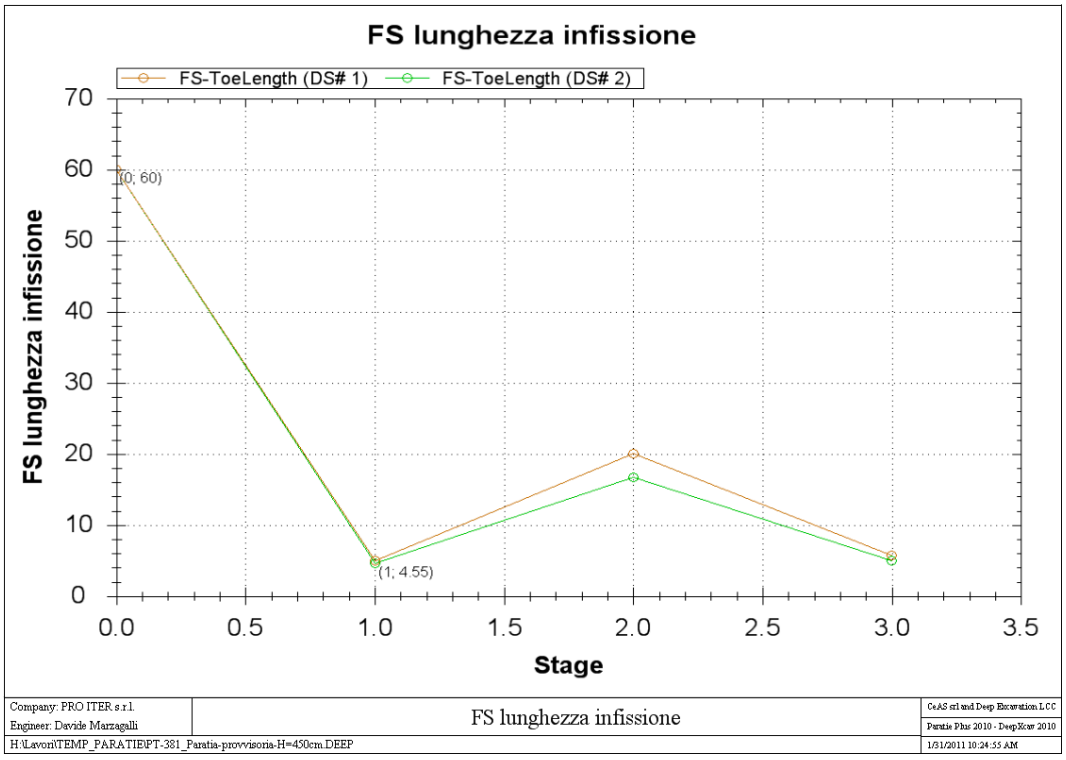
  Corrisponde alla fase di scavo a valle fino al raggiungimento di quota -4.50 m (fondo scavo).

13.4.2 VERIFICHE GEOTECNICHE






FS stabilita' piede
FS Basal (DS# 1)
FS Basal (DS# 2)
FS stabilita' piede
Stage
(0; 1000)
(3; 3.73)
Company: PRO ITER s.r.l.
Engineer: Davide Marzagalli
FS stabilita' piede
CeAS srl and Deep Excavation LCC
Paratie Plus 2010 - DeepXcav 2010
H:\Lavori\TEMP_PARATIE\PT-381_Paratia-provvisoria-H=450cm.DEEP
1/31/2011 10:20:13 AM


FS lunghezza infissione
FS-ToeLength (DS# 1)
FS-ToeLength (DS# 2)
FS lunghezza infissione
Stage
(0; 60)
(1; 4.55)
Company: PRO ITER s.r.l.
Engineer: Davide Marzagalli
FS lunghezza infissione
CeAS srl and Deep Excavation LCC
Paratie Plus 2010 - DeepXcav 2010
H:\Lavori\TEMP_PARATIE\PT-381_Paratia-provvisoria-H=450cm.DEEP
1/31/2011 10:24:55 AM

13.4.3 VERIFICHE DI STABILITÀ GLOBALE PARATIA-TERRENO

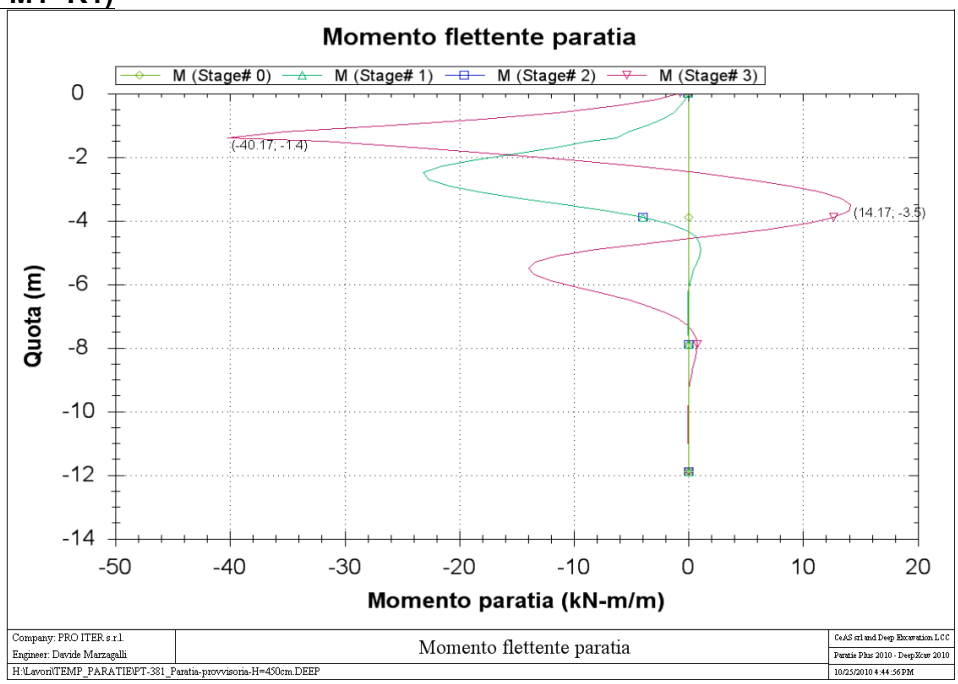
Poichè la paratia risulta di profondità minore rispetto a quella analizzata nel paragrafo 13.5 e tenuto conto della conformazione più favorevole del rilevato, per le verifiche di stabilità si rimanda a quanto svolto per la paratia successiva.

13.4.4 RISULTATI DELLE ANALISI

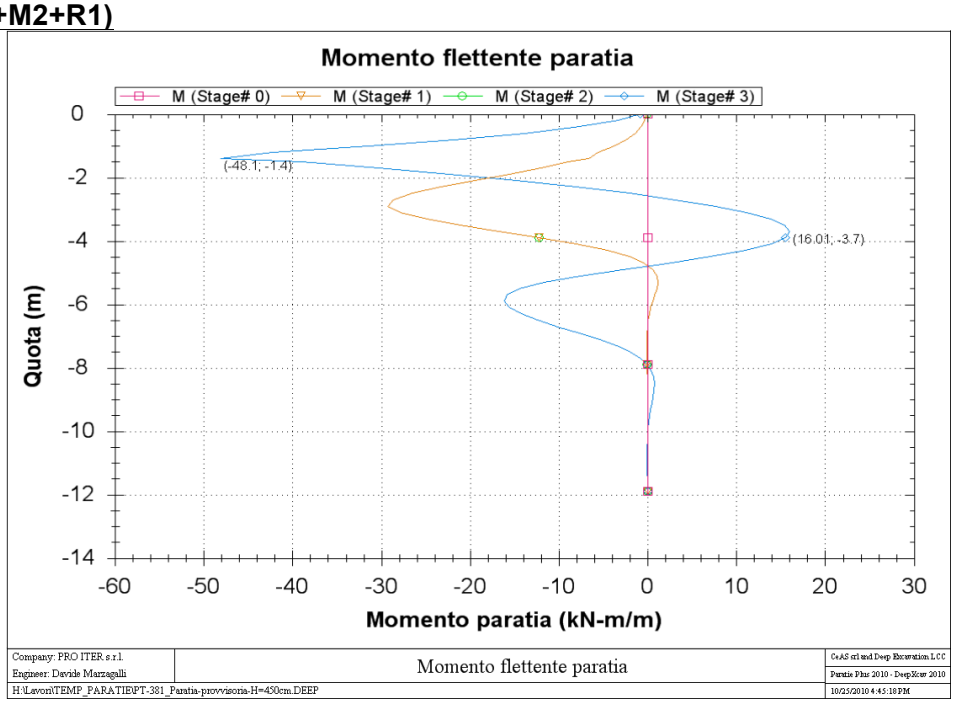
Di seguito vengono presentati i diagrammi dei momenti flettenti, dei tagli e delle azioni assiali nei contrasti per le due combinazioni di carico analizzate a Stato Limite Ultimo e le deformazioni a Stato Limite di Esercizio.

13.4.4.1 DIAGRAMMI DEL MOMENTO FLETTENTE

Comb1 (A1+M1+R1)

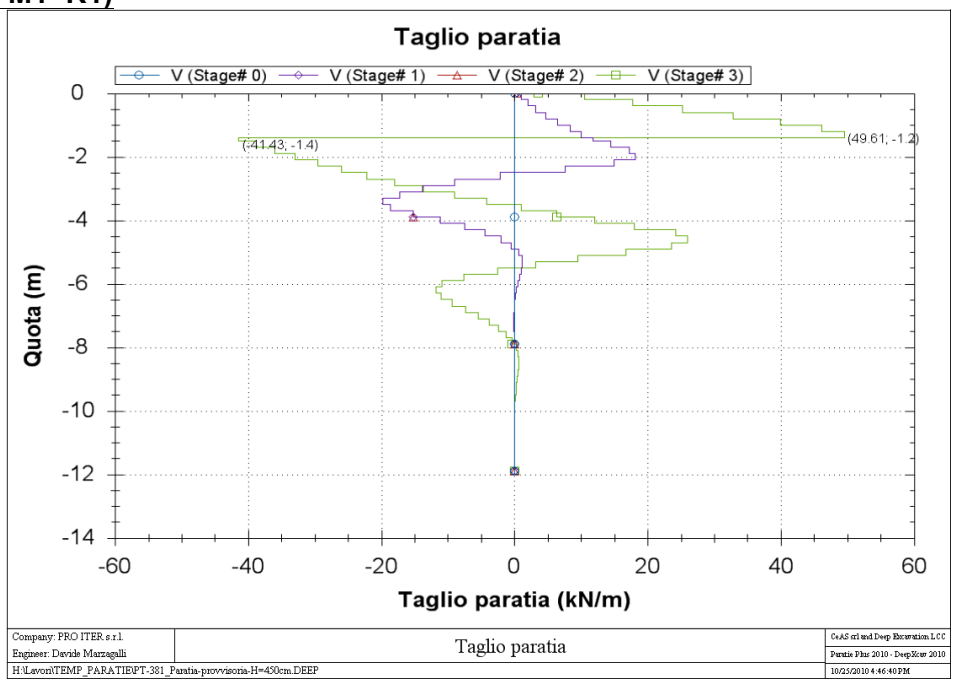


Comb2 (A2+M2+R1)

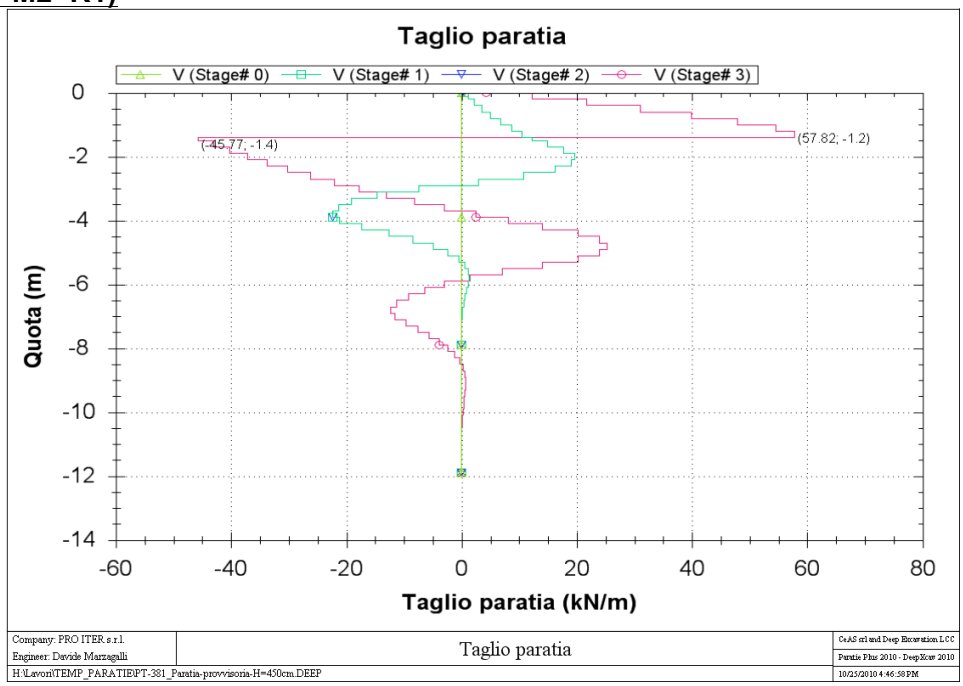


13.4.4.2 DIAGRAMMI DEL TAGLIO

Comb1 (A1+M1+R1)



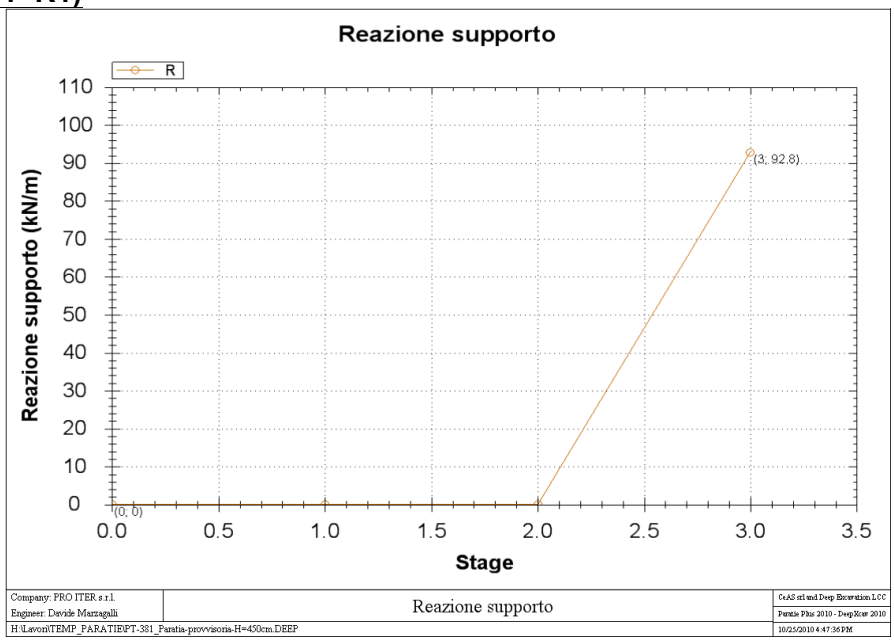
Comb2 (A2+M2+R1)



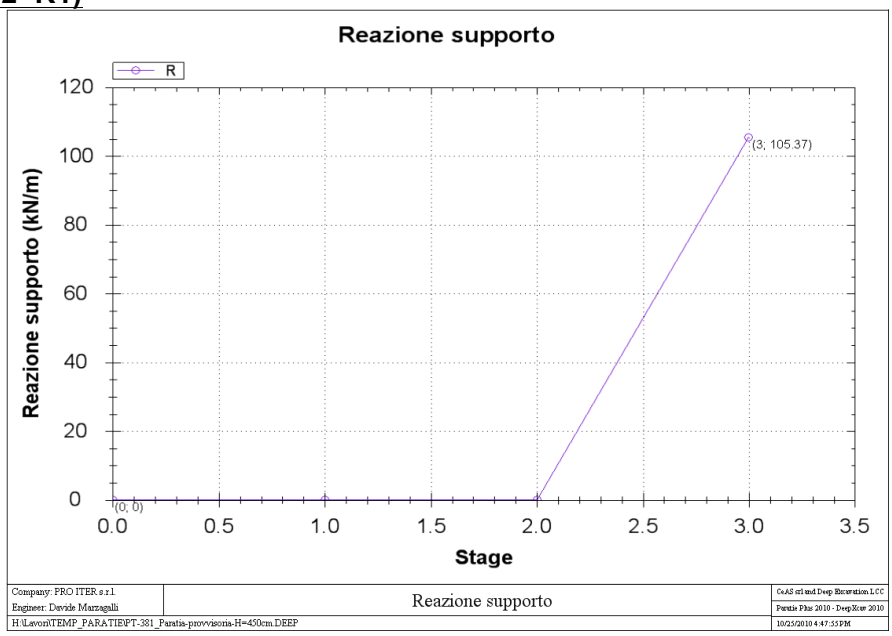
13.4.4.3 STORIA DI CARICO DEI CONTRASTI

Nel presente paragrafo si riporta la storia di carico dei contrasti.

Comb1 (A1+M1+R1)

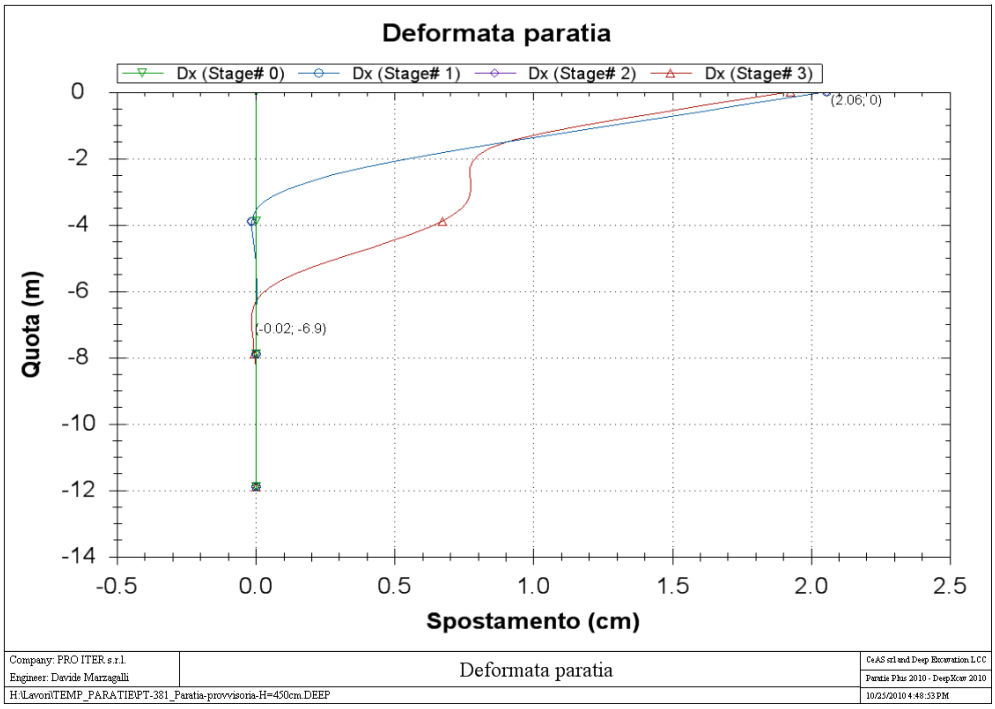


Comb2 (A2+M2+R1)



13.4.4.4 DIAGRAMMA DELLE DEFORMAZIONI

Di seguito si riportano i diagrammi delle deformazioni a Stato Limite di Esercizio.



Il valore massimo di spostamento pari a circa 2 cm è ritenuto ammissibile per l'opera in progetto e per la tipologia di terreno presente in sito.

13.4.5 VERIFICHE DEI MICROPALI

Le verifiche vengono effettuate a Stato Limite Ultimo, confrontando le sollecitazioni massime fornite dal programma nello step più sfavorevole con il dominio di progetto dei pali.
Nella seguente tabella si riportano le sollecitazioni massime per metro fuori piano e le sollecitazioni di progetto in ciascun micropalo (i = 0.30 m).

Combinazione	M_{Ed} [kNm/m]	V_{Ed} [kN/m]	$M_{Ed\text{-}palo}$ [kNm]	$V_{Ed\text{-}palo}$ [kN]
Comb 1	40.17	49.61	12.05	14.88
Comb 2	48.10	57.82	14.43	17.35

Con riferimento al paragrafo 4.2.4 delle N.T.C.2008, la resistenza di calcolo a flessione retta e a taglio (affidata, a favore di sicurezza) al solo profilato metallico, si calcola mediante le seguenti relazioni:

$$M_{Rd} \quad \frac{W_{pl} \quad f_{yk}}{\quad M0}$$

$$V_{Rd} \quad \frac{A_v \quad f_{yk}}{\sqrt{3} \quad M0}$$

Considerando le caratteristiche geometriche e meccaniche della sezione tubolare di acciaio del micropalo (costituita da un profilo cavo circolare commerciale tipo PM127□8 di acciaio S355), si ottiene:

$$M_{Rd} \quad \frac{W_{pl} \quad f_{yk}}{\quad M0} \quad \frac{113000 \quad 355}{1.05} \quad 10^{\ 6} \quad 38.20 \text{ kNm}$$

$$V_{Rd} \quad \frac{A_v \quad f_{yk}}{\sqrt{3} \quad M0} \quad \frac{1904 \quad 355}{\sqrt{3} \quad 1.05} \quad 10^{\ 3} \quad 371.66 \text{ kN}$$

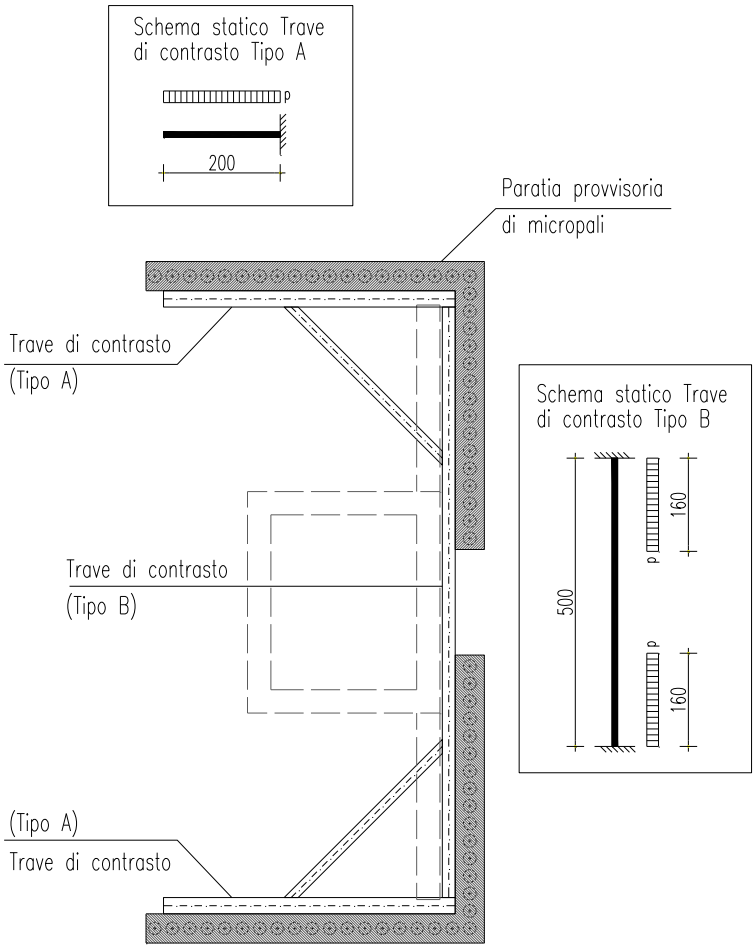
Le verifiche risultano soddisfatte poichè il momento resistente plastico M_{Rd} risulta superiore al momento di progetto M_{Ed} (si fa notare che, come prescritto da normativa, l'influenza del taglio sulla flessione viene trascurata poichè è sempre verificata la condizione $V_{Ed} < 0.5 \square V_{Rd}$).

13.4.6 VERIFICHE DEI CONTRASTI

Nella seguente tabella sono riportati i valori massimi dell'azione agente nei contrasti nelle diverse combinazioni (indicata nelle verifiche con T_{Ed}):

Ordine [-]	SLE [kN/m]	Comb1 [kN/m]	Comb2 [kN/m]
I	69.39	92.80	105.37

Nella figura seguente si evidenziano la disposizione, la tipologia e lo schema statico adottato per il calcolo dei contrasti.



In base a quanto riportato nella figura precedente, si procede al dimensionamento delle travi di

contrasto, utilizzando una forza "*p*" pari a 105.37 kN/m (valore a Stato Limite Ultimo).
Per la trave Tipo A si utilizza un profilo metallico commerciale tipo HEB260 (acciaio S275), mentre per la trave Tipo B un profilo HEB200 (acciaio S275).

Verifiche trave Tipo A

La sezione maggiormente sollecitata è quella d'incastro. Si ottiene pertanto:

$$M_{Sdu} \quad \frac{p \quad L^2}{2} \quad \frac{105.37 \quad 2^2}{2} \quad 211 \text{ kNm}$$

$$V_{Sdu} \quad p \quad L \quad 105.37 \quad 2 \quad 211 \text{ kN}$$

Considerando le caratteristiche meccaniche del profilo HEB260 ($W=1148cm^3$, $A_T=26.0cm^2$), si ottiene:

$$s \quad \frac{M_{Sdu}}{W} \quad \frac{211 \quad 10^6}{1148 \quad 10^3} \quad 183.57 \text{ N/mm}^2$$

$$s \quad \frac{V_{Sdu}}{A_T} \quad \frac{211 \quad 10^3}{26.00 \quad 10^2} \quad 81.05 \text{ N/mm}^2$$

$$id \quad \sqrt{\ \ ^2_s \quad 3 \quad ^2_s} \quad \sqrt{183.57^2 \quad 3 \quad 81.05^2} \quad 231.10 \text{ N/mm}^2 < f_{yd} = 261.90 \text{ N/mm}^2$$

La verifica risulta soddisfatta.

Verifiche trave Tipo B

La sezione maggiormente sollecitata è quella d'incastro. Si ottiene pertanto:

$$M_{Sdu} \quad \frac{p \quad a}{L} \quad a \quad L \quad a \quad \frac{L}{2} \quad \frac{a}{3} \quad \frac{105.37 \quad 1.6}{5} \quad 1.6 \quad 5 \quad 1.6 \quad \frac{5}{2} \quad \frac{1.6}{3} \quad 106 \text{ kNm}$$

$$V_{Sdu} \quad p \quad a \quad 105.37 \quad 1.6 \quad 169 \text{ kN}$$

Considerando le caratteristiche meccaniche del profilo HEB200 ($W=569.6cm^3$, $A_T=18.0cm^2$), si ottiene:

$$s \quad \frac{M_{Sdu}}{W} \quad \frac{106 \quad 10^6}{569.6 \quad 10^3} \quad 186.27 \text{ N/mm}^2$$

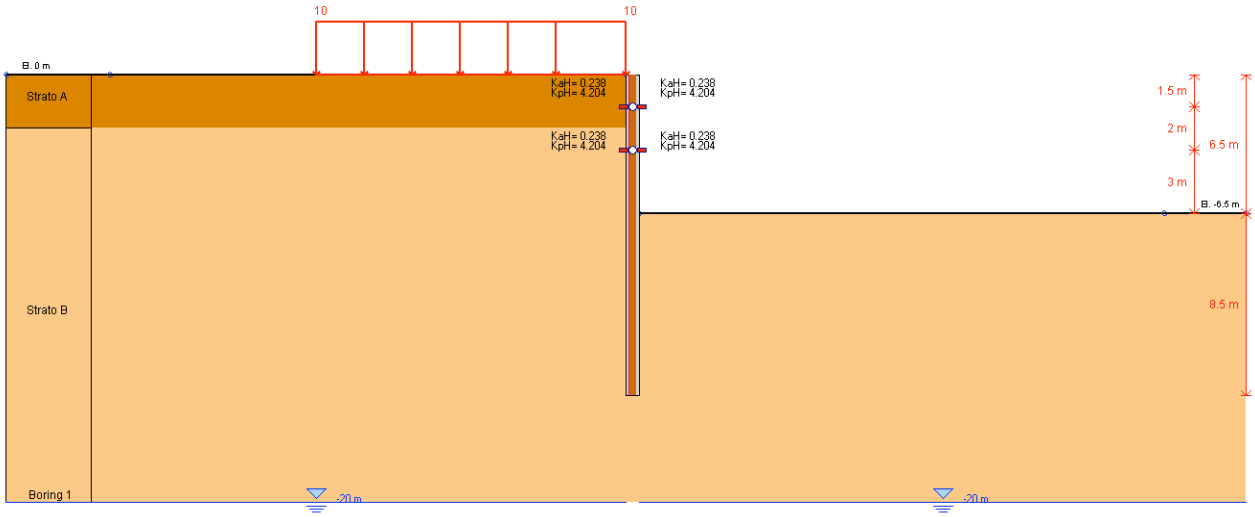
$$s \quad \frac{V_{Sdu}}{A_T} \quad \frac{169 \quad 10^3}{18.00 \quad 10^2} \quad 93.66 \text{ N/mm}^2$$

$$id \quad \sqrt{\ \ ^2_s \quad 3 \quad ^2_s} \quad \sqrt{186.27^2 \quad 3 \quad 93.66^2} \quad 247.01 \text{ N/mm}^2 < f_{yd} = 261.90 \text{ N/mm}^2$$

La verifica risulta soddisfatta.

13.5 PARATIA H=6.50m

Il tratto in oggetto della paratia viene realizzato mediante micropali ◘ 220 mm di lunghezza 15 m e interasse 30 cm (armati con profili metallici PM127◘8) e sostenuti da 2 ordini di puntelli (rispettivamente a quota -1.50 m e -3.50 m dalla testa della paratia) composti da profili commerciali in acciaio tipo HEB280 e HEB220.



Modello di calcolo

13.5.1 GEOMETRIA E FASI DI REALIZZAZIONE

Nel paragrafo in oggetto si dimensiona dal punto di vista strutturale la paratia necessaria per raggiungere la massima quota di scavo, posta a circa -6.50 m dalla quota dello stato di fatto. Per tener conto dei carichi accidentali transitanti sulla pista di lavoro, a monte della paratia viene inserito un sovraccarico accidentale pari a 10 kN/m^2 (per una larghezza della pista posta pari a 5.00m). La situazione di studio viene riepilogata nella seguente tabella:

Tipologia paratia [-]	Quota testa paratia [m]	Quota fondo scavo [m]	Ordini di contrasti [n°]
Berlinese	0.00	-6.50	2

I contrasti sono affidati a profili commerciali in acciaio tipo HEB280 e HEB220.

Di seguito si riportano gli step di calcolo:

- *STEP 0: Condizione geostatica*

  Corrisponde alla fase geostatica iniziale: le quote del terreno a monte e a valle della paratia coincidono (quota 0 m).
- *STEP 1: Scavo per posizionamento 1° ordine di contrasti*

  Corrisponde alla fase di scavo a valle fino al raggiungimento di quota -2.00 m, al fine di poter mettere in opera il 1° ordine di contrasti (posti a quota -1.50 m).
- *STEP 2: Messa in opera 1° ordine di contrasti*

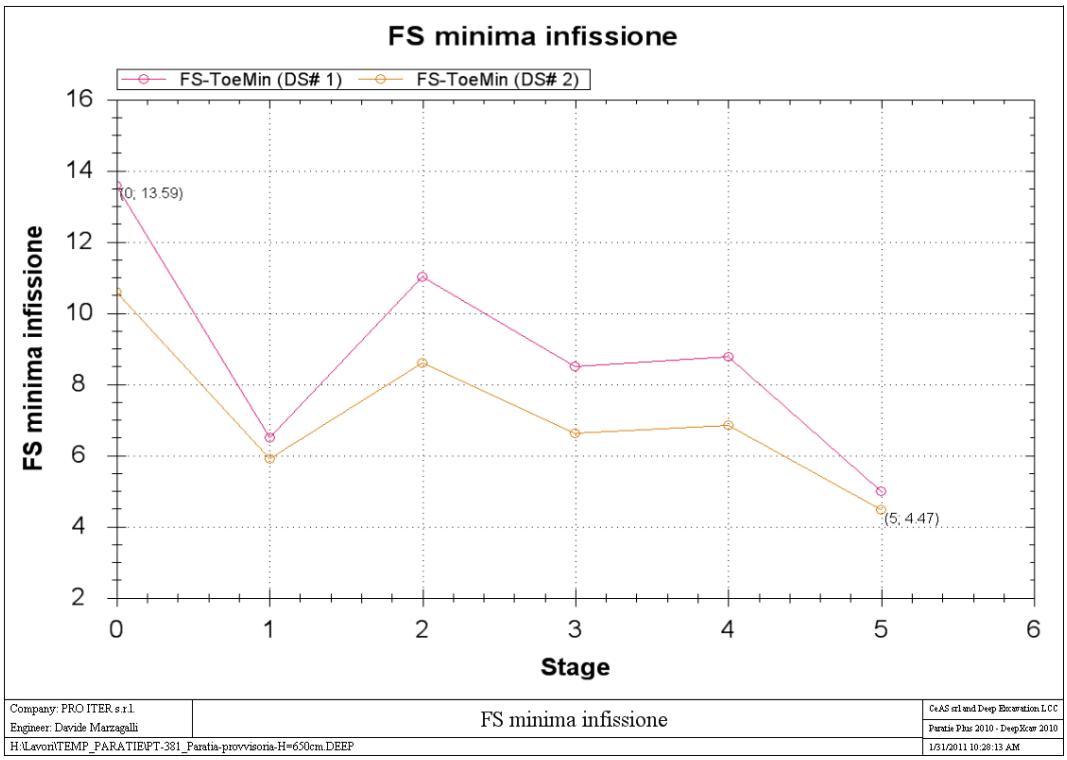
  In tale fase viene considerato attivo il 1° ordine di contrasti (vincolo fisso).
- *STEP 3: Scavo per posizionamento 2° ordine di contrasti*

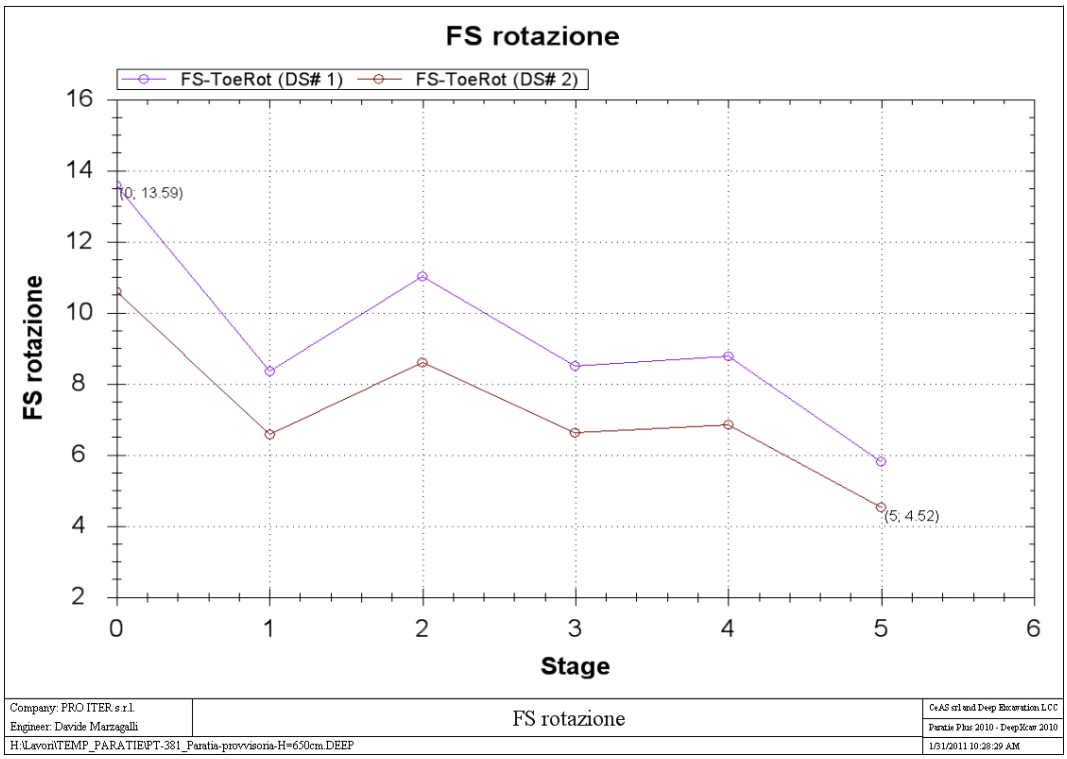
  Corrisponde alla fase di scavo a valle fino al raggiungimento di quota -4.00 m, al fine di poter mettere in opera il 2° ordine di contrasti (posti a quota -3.50 m).
- *STEP 4: Messa in opera 2° ordine di contrasti*

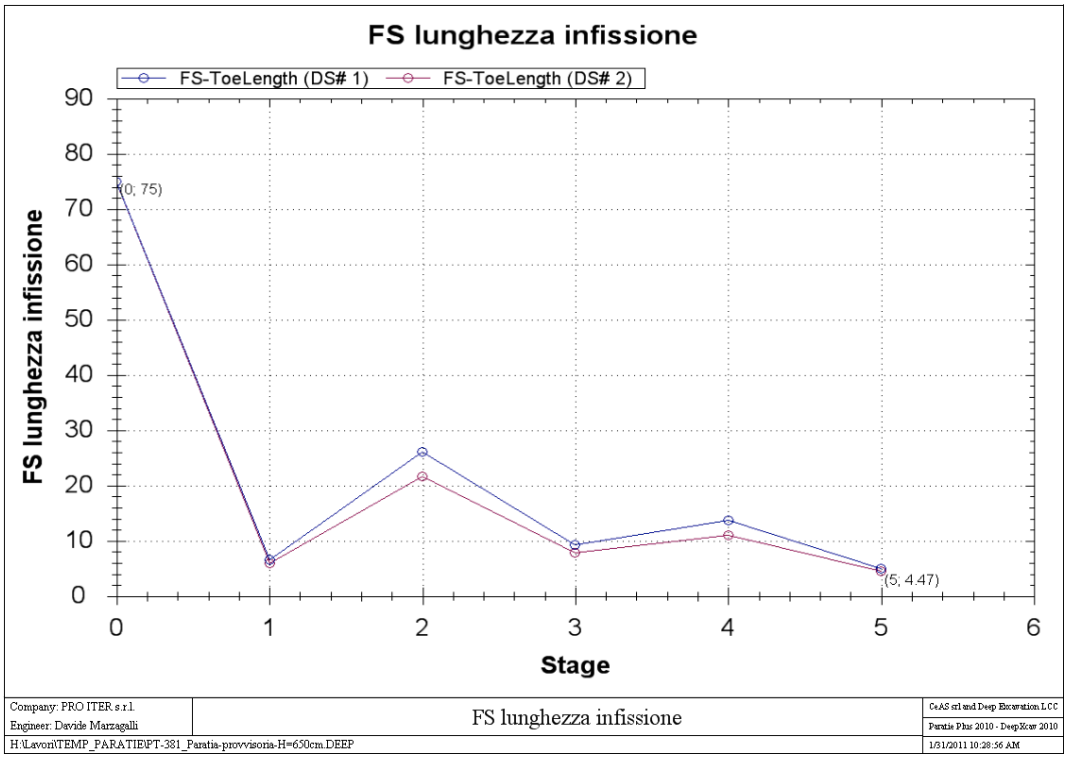
  In tale fase viene considerato attivo il 2° ordine di contrasti (vincolo fisso).
- *STEP 5: Fondo scavo*

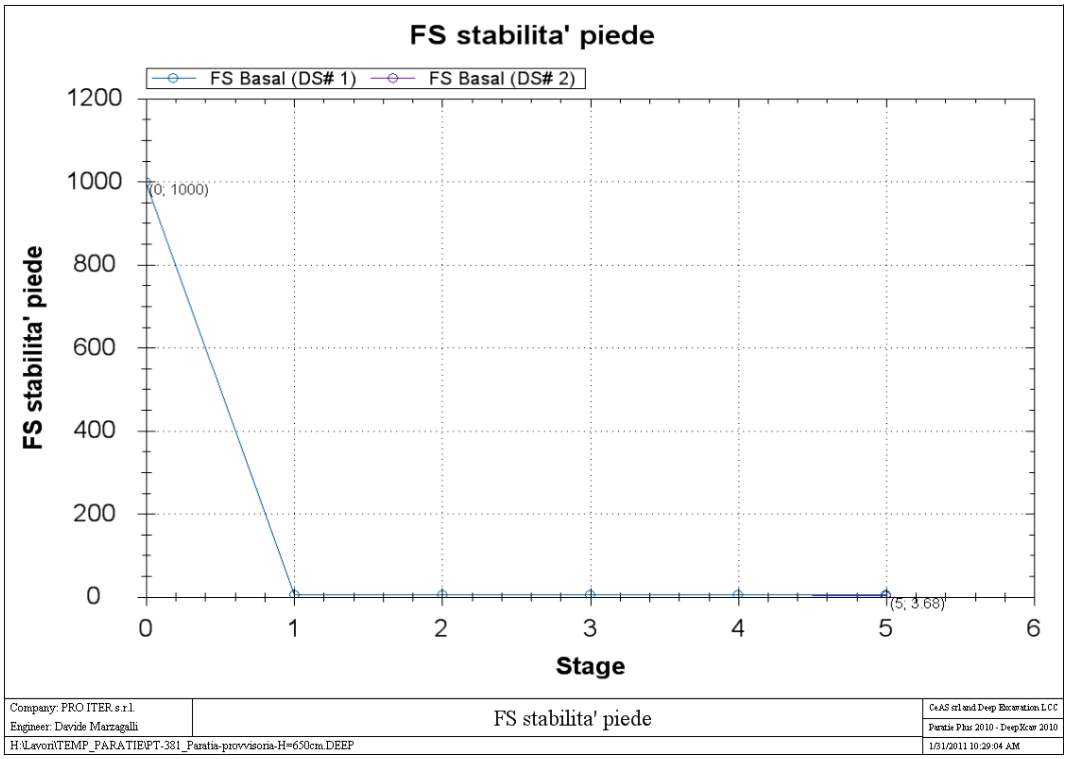
  Corrisponde alla fase di scavo a valle fino al raggiungimento di quota -6.50 m (fondo scavo).

13.5.2 VERIFICHE GEOTECNICHE






FS lunghezza infissione
FS-ToeLength (DS# 1)
FS-ToeLength (DS# 2)
FS lunghezza infissione
Stage
(0; 75)
(5; 4.47)
Company: PRO ITER s.r.l.
Engineer: Davide Marzagalli
FS lunghezza infissione
CeAS srl and Deep Excavation LCC
Paratie Plus 2010 - DeepXcav 2010
H:\Lavori\TEMP_PARATIE\PT-381_Paratia-provvisoria-H=650cm.DEEP
1/31/2011 10:28:56 AM

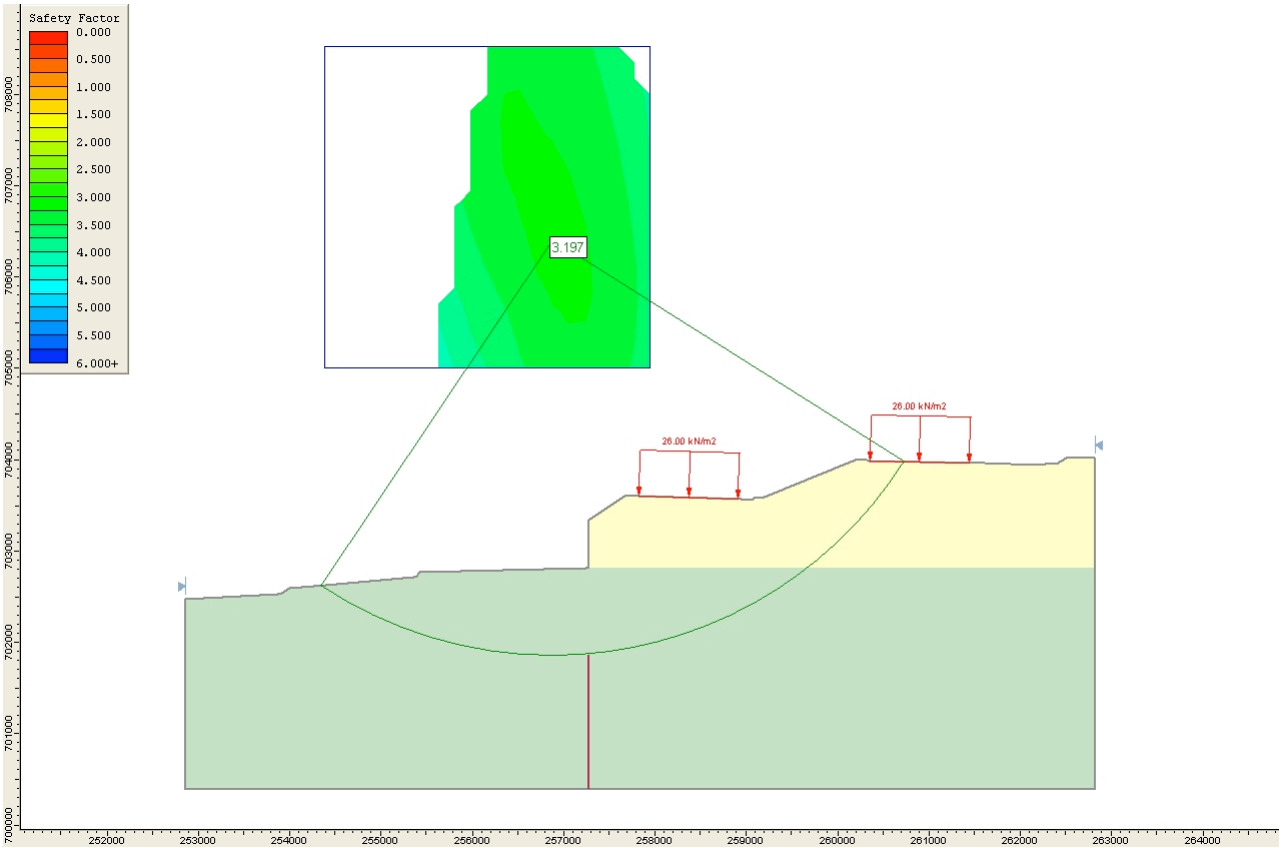

FS stabilita' piede
FS Basal (DS# 1)
FS Basal (DS# 2)
FS stabilita' piede
Stage
(0; 1000)
(5; 3.68)
Company: PRO ITER s.r.l.
Engineer: Davide Marzagalli
FS stabilita' piede
CeAS srl and Deep Excavation LCC
Paratie Plus 2010 - DeepXcav 2010
H:\Lavori\TEMP_PARATIE\PT-381_Paratia-provvisoria-H=650cm.DEEP
1/31/2011 10:29:04 AM

13.5.3 VERIFICHE DI STABILITÀ GLOBALE PARATIA-TERRENO

Al fine di valutare le condizioni di stabilità globale del versante in cui s'inserisce l'opera in progetto sono state condotte analisi di stabilità all'equilibrio limite con il metodo di Bishop basato sull'equilibrio dei momenti e delle forze verticali con risultante delle forze tra i conci contigui assunta orizzontale.

Le analisi di stabilità sono state condotte solo in condizioni statiche facendo riferimento alle indicazioni riportate in precedenza; in particolare si assume:

$$\gamma_r \geq 1.1$$



Analisi di stabilità: FS=3.197

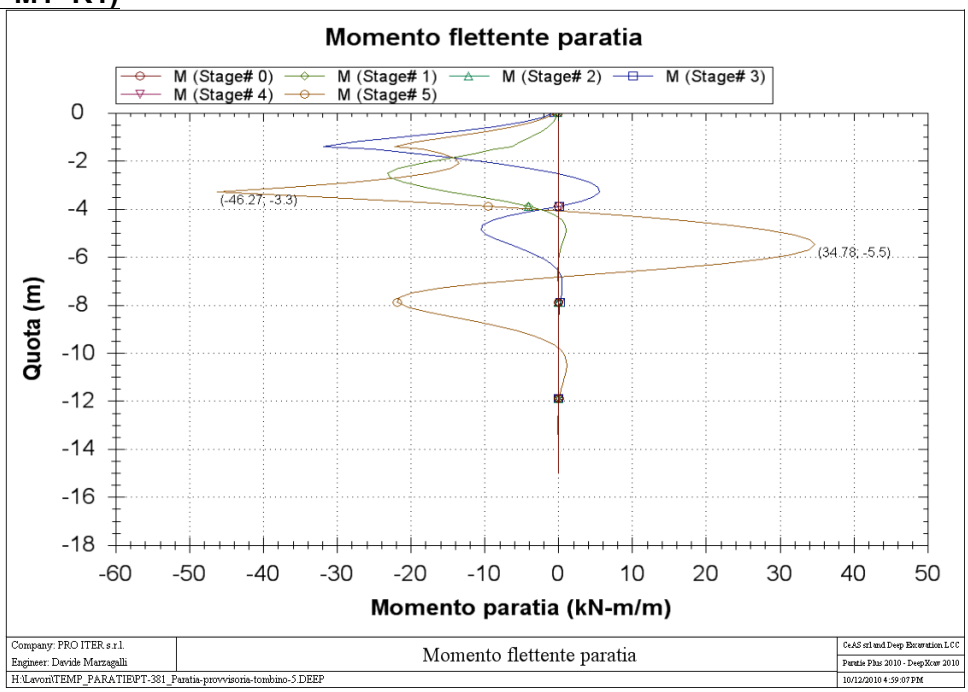
In accordo con la normativa vigente (D.M. 14/01/2008 paragrafo 2.4.1) si omettono le verifiche in fase sismica poichè lìopera risulta essere di tipo provvisorio e con durata prevista in progetto inferiore a 2 anni.

13.5.4 RISULTATI DELLE ANALISI

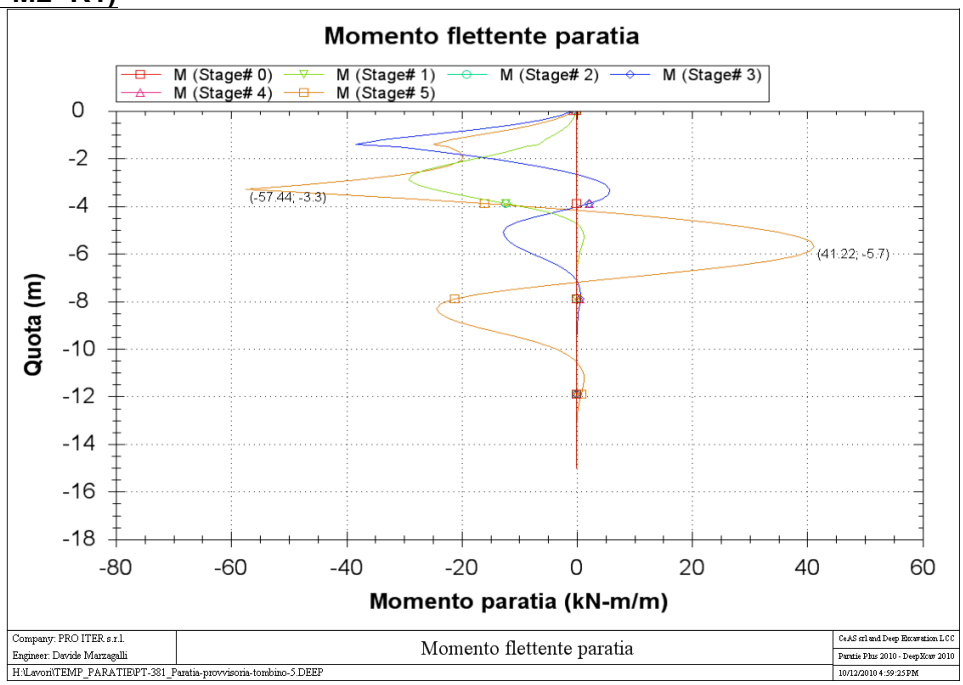
Di seguito vengono presentati i diagrammi dei momenti flettenti, dei tagli e delle azioni assiali nei contrasti per le due combinazioni di carico analizzate a Stato Limite Ultimo e le deformazioni a Stato Limite di Esercizio.

13.5.4.1 DIAGRAMMI DEL MOMENTO FLETTENTE

Comb1 (A1+M1+R1)

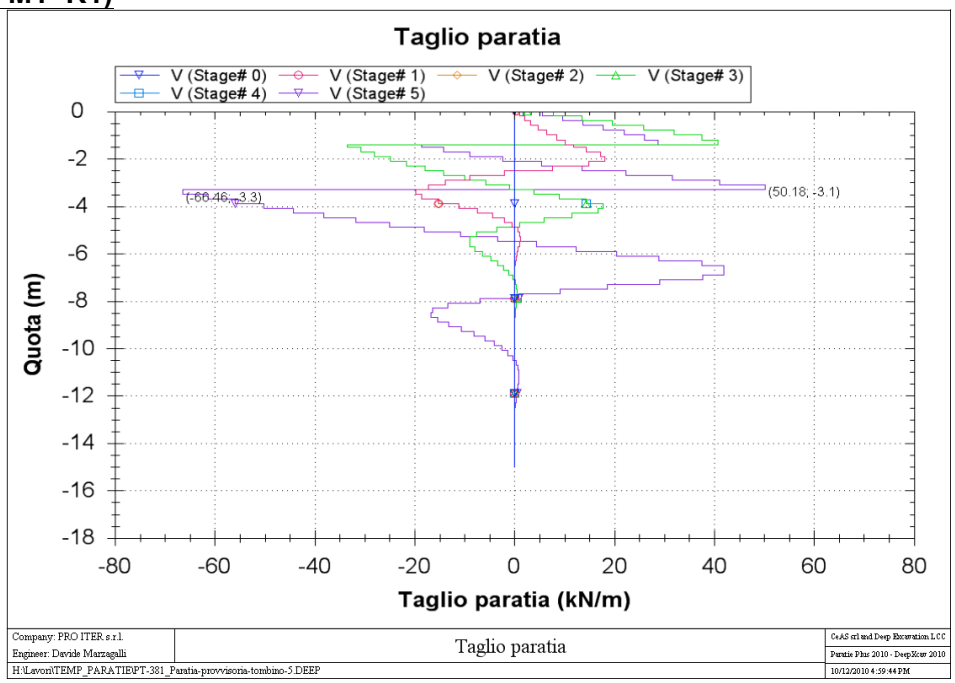


Comb2 (A2+M2+R1)

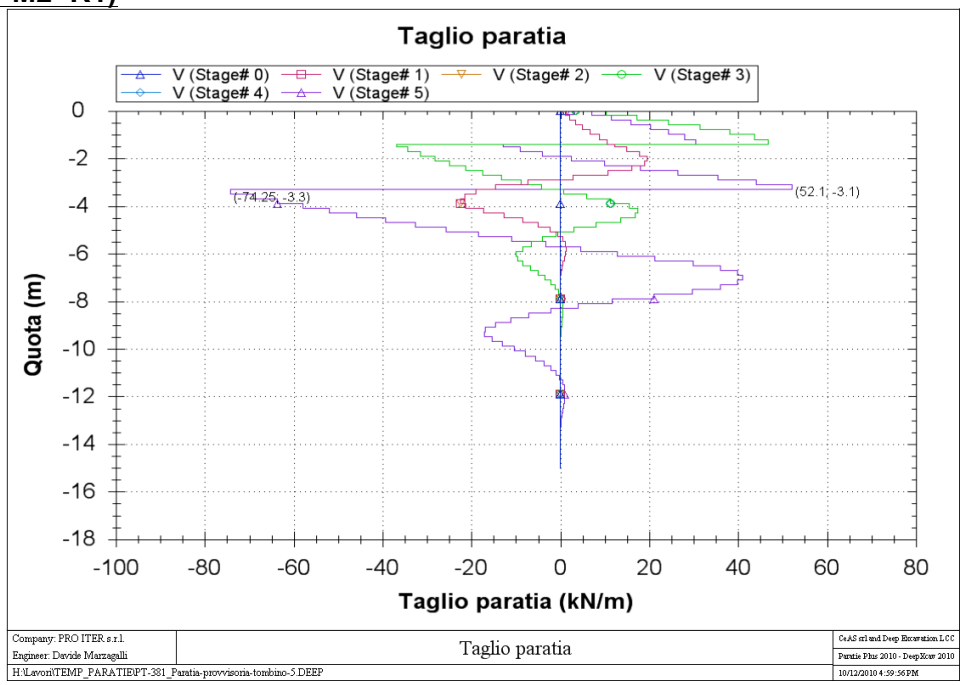


13.5.4.2 DIAGRAMMI DEL TAGLIO

Comb1 (A1+M1+R1)



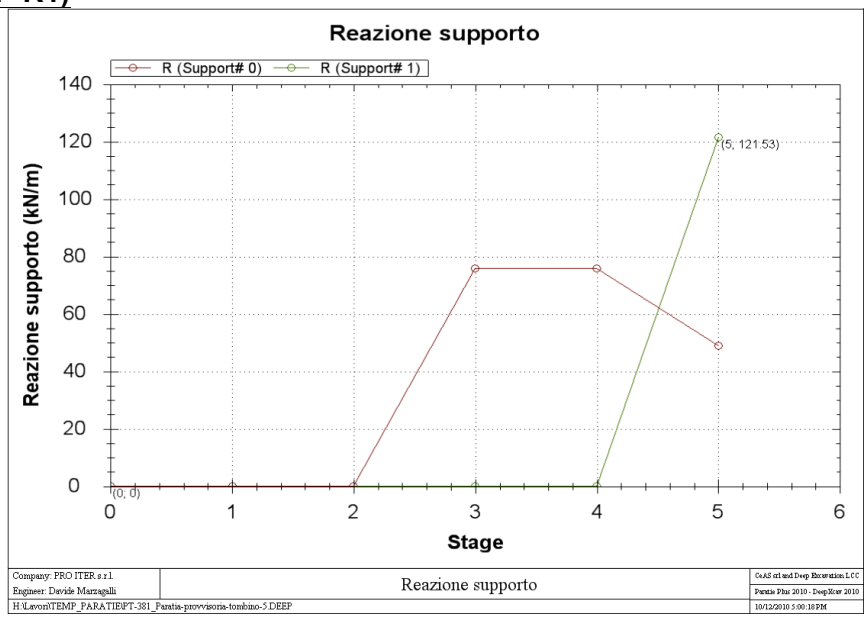
Comb2 (A2+M2+R1)



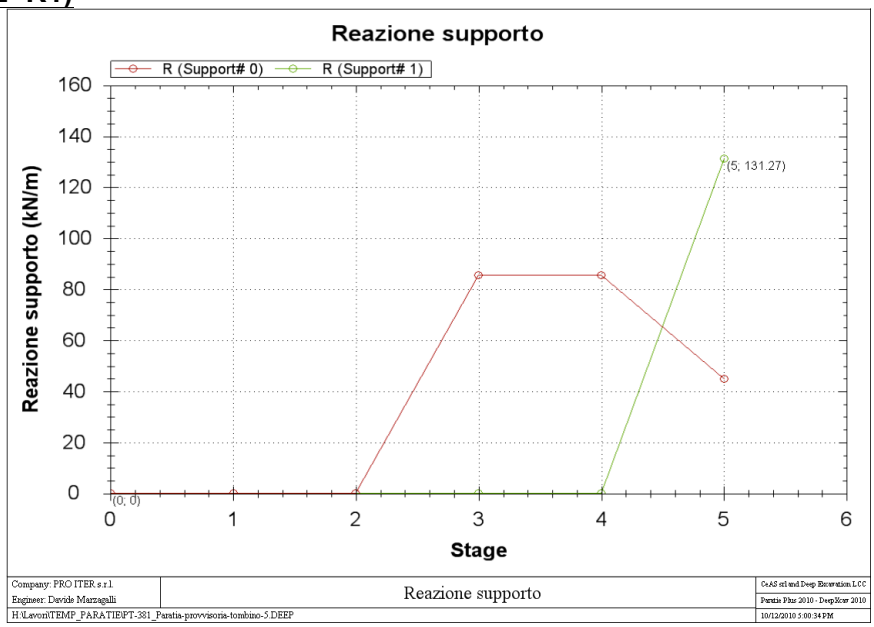
13.5.4.3 STORIA DI CARICO DEI CONTRASTI

Nel presente paragrafo si riporta la storia di carico dei contrasti.

Comb1 (A1+M1+R1)

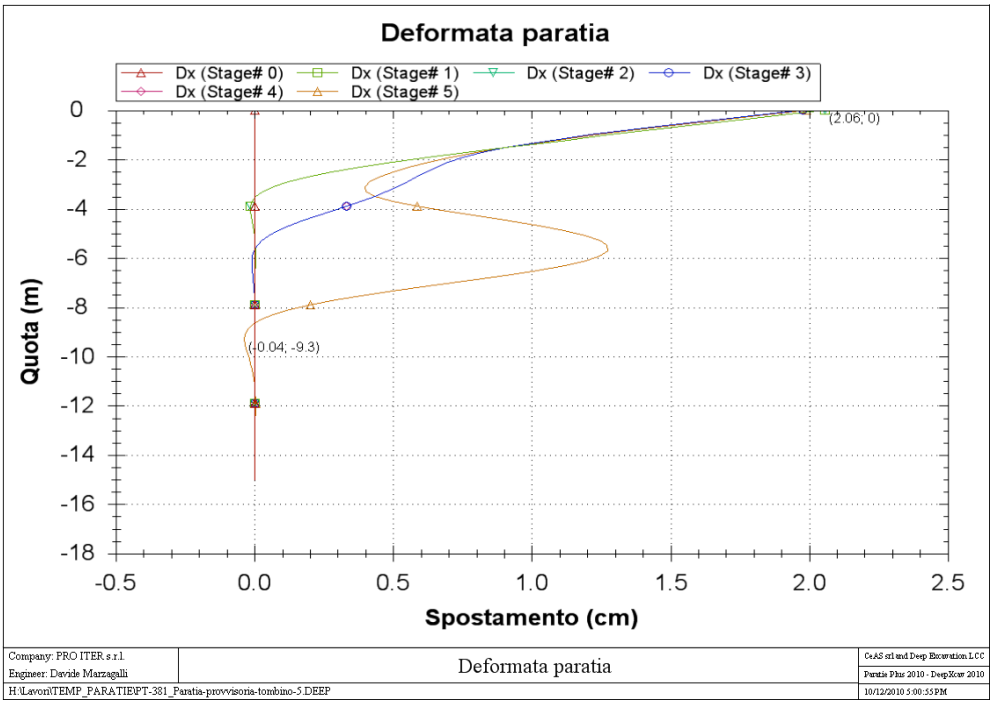


Comb2 (A2+M2+R1)



13.5.4.4 DIAGRAMMA DELLE DEFORMAZIONI

Di seguito si riportano i diagrammi delle deformazioni a Stato Limite di Esercizio.



Il valore massimo di spostamento pari a circa 2 cm è ritenuto ammissibile per l'opera in progetto e per la tipologia di terreno presente in sito.

13.5.5 VERIFICHE DEI MICROPALI

Le verifiche vengono effettuate a Stato Limite Ultimo, confrontando le sollecitazioni massime fornite dal programma nello step più sfavorevole con il dominio di progetto dei pali.
Nella seguente tabella si riportano le sollecitazioni massime per metro fuori piano e le sollecitazioni di progetto in ciascun micropalo (i = 0.30 m).

Combinazione	M_{Ed} [kNm/m]	V_{Ed} [kN/m]	$M_{Ed\text{-}palo}$ [kNm]	$V_{Ed\text{-}palo}$ [kN]
Comb 1	46.27	66.46	13.88	19.94
Comb 2	57.44	74.25	17.23	22.27

Con riferimento al paragrafo 4.2.4 delle N.T.C.2008, la resistenza di calcolo a flessione retta e a taglio (affidata, a favore di sicurezza) al solo profilato metallico, si calcola mediante le seguenti relazioni:

$$M_{Rd} \quad \frac{W_{pl} \quad f_{yk}}{\quad M0}$$

$$V_{Rd} \quad \frac{A_v \quad f_{yk}}{\sqrt{3} \quad M0}$$

Considerando le caratteristiche geometriche e meccaniche della sezione tubolare di acciaio del micropalo (costituita da un profilo cavo circolare commerciale tipo PM127□8 di acciaio S355), si ottiene:

$$M_{Rd} \quad \frac{W_{pl} \quad f_{yk}}{\quad M0} \quad \frac{113000 \quad 355}{1.05} \quad 10^{\ 6} \quad 38.20 \text{ kNm}$$

$$V_{Rd} \quad \frac{A_v \quad f_{yk}}{\sqrt{3} \quad M0} \quad \frac{1904 \quad 355}{\sqrt{3} \quad 1.05} \quad 10^{\ 3} \quad 371.66 \text{ kN}$$

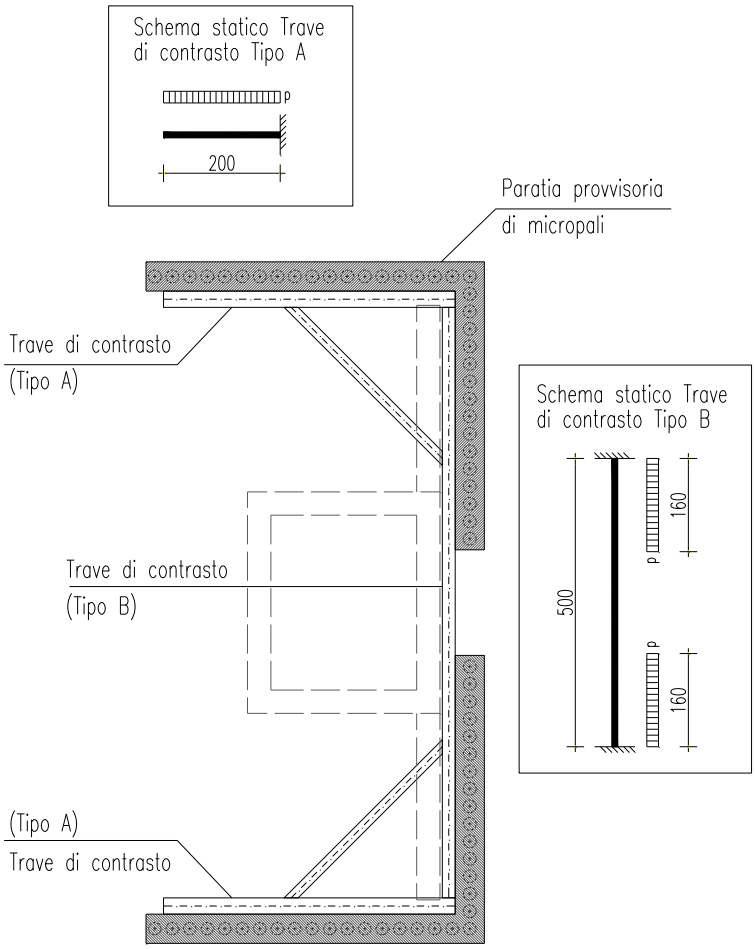
Le verifiche risultano soddisfatte poichè il momento resistente plastico M_{Rd} risulta superiore al momento di progetto M_{Ed} (si fa notare che, come prescritto da normativa, l'influenza del taglio sulla flessione viene trascurata poichè è sempre verificata la condizione $V_{Ed} < 0.5 \square V_{Rd}$).

13.5.6 VERIFICHE DEI CONTRASTI

Nella seguente tabella sono riportati i valori massimi dell'azione agente nei contrasti nelle diverse combinazioni (indicata nelle verifiche con T_{Ed}):

Ordine [-]	SLE [kN/m]	Comb1 [kN/m]	Comb2 [kN/m]
I	36.08	48.94	45.03
II	92.73	121.53	131.27

In questa fase si procede al dimensionamento dei contrasti maggiormente sollecitati (II° Ordine), rimandando eventuali affinamenti alla fase di P.E.; nella figura seguente si evidenziano la disposizione, la tipologia e lo schema statico adottato per il calcolo dei contrasti.



In base a quanto riportato nella figura precedente, si procede al dimensionamento delle travi di contrasto, utilizzando una forza "*p*" pari a 131.27 kN/m (valore a Stato Limite Ultimo).
Per la trave Tipo A si utilizza un profilo metallico commerciale tipo HEB280 (acciaio S275), mentre per la trave Tipo B un profilo HEB220 (acciaio S275).

Verifiche trave Tipo A

La sezione maggiormente sollecitata è quella d'incastro. Si ottiene pertanto:

$$M_{Sdu} \quad \frac{p \quad L^2}{2} \quad \frac{131.27 \quad 2^2}{2} \quad 263 \text{ kNm}$$

$$V_{Sdu} \quad p \quad L \quad 131.27 \quad 2 \quad 263 \text{ kN}$$

Considerando le caratteristiche meccaniche del profilo HEB280 ($W=1376cm^3$, $A_T=29.4cm^2$), si ottiene:

$$s \quad \frac{M_{Sdu}}{W} \quad \frac{263 \quad 10^6}{1376 \quad 10^3} \quad 190.80 \text{ N/mm}^2$$

$$s \quad \frac{V_{Sdu}}{A_T} \quad \frac{263 \quad 10^3}{29.40 \quad 10^2} \quad 89.30 \text{ N/mm}^2$$

$$id \quad \sqrt{\frac{2}{s} \quad 3 \quad \frac{2}{s}} \quad \sqrt{190.80^2 \quad 3 \quad 89.30^2} \quad 245.62 \text{ N/mm}^2 < f_{yd} = 261.90 \text{ N/mm}^2$$

La verifica risulta soddisfatta.

Verifiche trave Tipo B

La sezione maggiormente sollecitata è quella d'incastro. Si ottiene pertanto:

$$M_{Sdu} \quad \frac{p \quad a}{L} \quad a \quad L \quad a \quad \frac{L}{2} \quad \frac{a}{3} \quad \frac{131.27 \quad 1.6}{5} \quad 1.6 \quad 5 \quad 1.6 \quad \frac{5}{2} \quad \frac{1.6}{3} \quad 132 \text{ kNm}$$

$$V_{Sdu} \quad p \quad a \quad 131.27 \quad 1.6 \quad 210 \text{ kN}$$

Considerando le caratteristiche meccaniche del profilo HEB220 ($W=736cm^3$, $A_T=20.9cm^2$), si ottiene:

$$s \quad \frac{M_{Sdu}}{W} \quad \frac{132 \quad 10^6}{736 \quad 10^3} \quad 179.59 \text{ N/mm}^2$$

$$s \quad \frac{V_{Sdu}}{A_T} \quad \frac{210 \quad 10^3}{20.90 \quad 10^2} \quad 100.49 \text{ N/mm}^2$$

$$id \quad \sqrt{\frac{2}{s} \quad 3 \quad \frac{2}{s}} \quad \sqrt{179.59^2 \quad 3 \quad 100.49^2} \quad 250.10 \text{ N/mm}^2 < f_{yd} = 261.90 \text{ N/mm}^2$$

La verifica risulta soddisfatta.

14 TABULATI INPUT SAP2000

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File H:\Ospite\Tomb-NL-2x2.s2k was saved on 13/09/10 at 10.00.00

TABLE:  "PROGRAM CONTROL"
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LicenseOS=No     LicenseSC=No     LicenseBR=No     LicenseHT=No     CurrUnits="KN, m, C"
SteelCode=AISC-ASD89    ConcCode="ACI 318-99"    AlumCode="AA-ASD 2000"    ColdCode=AISI-
ASD96   BridgeCode="AASHTO LRFD 2007"   RegenHinge=No

TABLE:  "ACTIVE DEGREES OF FREEDOM"
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TABLE:  "COORDINATE SYSTEMS"
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TABLE:  "GRID LINES"
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TABLE:  "MATERIAL PROPERTIES 02 - BASIC MECHANICAL PROPERTIES"
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A1=.00001

TABLE:  "FRAME SECTION PROPERTIES 01 - GENERAL"
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TABLE:  "LINK PROPERTY DEFINITIONS 01 - GENERAL"
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PDM3J=0   Color=Magenta

TABLE:  "LINK PROPERTY DEFINITIONS 03 - MULTILINEAR"
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Force=-6272   Displ=-10
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DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-13       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-14       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-15       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-16       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-17       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-18       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-19       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-20       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-21       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
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   Case=SLE-FR-22      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-23      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-24      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-25      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-26      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-27      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-28      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-29      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-30      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-31      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-32      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-33      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-34      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-35      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-36      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-37      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-38      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-39      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-40      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-41      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-42      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-43      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-44      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-45      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-46      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-47      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-48      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-49      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-50      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-51      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-52      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-53      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-54      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
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   Case=SLE-FR-55        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-56        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-57        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-58        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-59        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-60        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-61        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-62        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-63        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-64        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-65        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-66        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-67        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-68        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-69        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-70        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-71        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-72        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-73        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-74        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-75        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-76        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-77        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-78        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-79        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-80        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-81        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-82        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-83        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-84        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-85        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-86        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-87        Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
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   Case=SLE-FR-88       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-89       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-90       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-91       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-92       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-93       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-94       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-95       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-FR-96       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-001      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-002      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-003      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-004      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-005      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-006      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-007      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-008      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-009      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-010      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-011      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-012      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-013      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-014      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-015      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-016      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-017      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-018      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-019      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-020      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-021      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-022      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-023      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-024      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
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   Case=SLE-CAR-025      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-026      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-027      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-028      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-029      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-030      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-031      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-032      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-033      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-034      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-035      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-036      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-037      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-038      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-039      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-040      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-041      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-042      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-043      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-044      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-045      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-046      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-047      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-048      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-049      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-050      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-051      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-052      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-053      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-054      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-055      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-056      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-057      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
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   Case=SLE-CAR-058      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-059      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-060      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-061      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-062      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-063      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-064      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-065      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-066      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-067      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-068      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-069      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-070      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-071      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-072      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-073      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-074      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-075      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-076      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-077      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-078      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-079      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-080      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-081      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-082      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-083      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-084      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-085      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-086      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-087      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-088      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-089      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-090      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
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DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-092       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-093       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-094       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-095       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-096       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-097       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-098       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-099       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-100       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-101       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-102       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-103       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-104       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-105       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-106       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-107       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-108       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-109       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-110       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-111       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-112       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-113       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-114       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-115       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-116       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-117       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-118       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-119       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-120       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-121       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-122       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-123       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
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   Case=SLE-CAR-124       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-125       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-126       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-127       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-128       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-129       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-130       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-131       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-132       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-133       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-134       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-135       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-136       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-137       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-138       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-139       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-140       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-141       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-142       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-143       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-144       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-145       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-146       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-147       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-148       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-149       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-150       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-151       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-152       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-153       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-154       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-155       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLE-CAR-156       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
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   Case=SLE-CAR-157      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-158      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-159      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-CAR-160      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-SIS-01      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-SIS-02      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-SIS-03      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-SIS-04      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-SIS-05      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-SIS-06      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-SIS-07      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-SIS-08      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-SIS-09      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-SIS-10      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-SIS-11      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-SIS-12      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-SIS-13      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-SIS-14      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-SIS-15      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLE-SIS-16      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-01      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-02      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-03      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-04      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-05      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-06      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-07      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-08      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-09      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-10      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-11      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-12      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-13      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
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DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-15       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-16       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-17       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-18       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-19       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-20       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-21       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-22       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-23       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-24       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-25       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-26       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-27       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-28       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-29       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-30       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-31       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-QP-32       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-01       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-02       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-03       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-04       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-05       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-06       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-07       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-08       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-09       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-10       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-11       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-12       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-13       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-14       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
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   Case=FESS-FR-15       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-16       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-17       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-18       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-19       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-20       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-21       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-22       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-23       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-24       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-25       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-26       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-27       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-28       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-29       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-30       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-31       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-32       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-33       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-34       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-35       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-36       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-37       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-38       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-39       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-40       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-41       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-42       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-43       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-44       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-45       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-46       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-47       Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
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   Case=FESS-FR-48       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-49       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-50       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-51       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-52       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-53       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-54       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-55       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-56       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-57       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-58       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-59       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-60       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-61       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-62       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-63       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-64       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-65       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-66       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-67       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-68       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-69       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-70       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-71       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-72       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-73       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-74       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-75       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-76       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-77       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-78       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-79       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=FESS-FR-80       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
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   Case=FESS-FR-81       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-82       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-83       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-84       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-85       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-86       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-87       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-88       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-89       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-90       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-91       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-92       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-93       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-94       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-95       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=FESS-FR-96       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-001       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-002       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-003       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-004       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-005       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-006       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-007       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-008       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-009       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-010       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-011       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-012       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-013       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-014       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-015       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-016       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-017       Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
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   Case=SLU-STR-018      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-019      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-020      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-021      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-022      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-023      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-024      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-025      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-026      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-027      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-028      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-029      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-030      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-031      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-032      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-033      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-034      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-035      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-036      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-037      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-038      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-039      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-040      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-041      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-042      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-043      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-044      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-045      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-046      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-047      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-048      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-049      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-050      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
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   Case=SLU-STR-051      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-052      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-053      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-054      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-055      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-056      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-057      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-058      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-059      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-060      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-061      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-062      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-063      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-064      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-065      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-066      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-067      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-068      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-069      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-070      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-071      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-072      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-073      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-074      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-075      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-076      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-077      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-078      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-079      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-080      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-081      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-082      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-STR-083      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
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   Case=SLU-STR-085      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-086      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-087      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-088      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-089      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-090      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-091      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-092      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-093      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-094      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-095      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-096      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-097      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-098      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-099      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-100      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-101      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-102      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-103      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-104      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-105      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-106      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-107      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-108      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-109      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-110      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-111      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-112      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-113      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-114      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-115      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
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DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
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DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-119      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-120      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-121      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-122      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-123      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-124      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-125      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-126      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-127      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-128      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-129      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-130      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-131      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-132      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-133      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-134      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-135      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-136      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-137      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-138      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-139      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-140      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-141      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-142      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-143      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-144      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-145      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-146      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-147      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-148      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-149      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
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DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
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DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
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DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-153      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-154      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-155      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-156      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-157      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-158      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-159      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-STR-160      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-001      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
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   Case=SLU-GEO-002      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-003      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-004      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-005      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-006      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-007      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-008      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-009      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-010      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-011      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-012      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-013      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-014      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-015      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-016      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-017      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-018      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-019      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-020      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-021      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
   Case=SLU-GEO-022      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None    RunCase=Yes    CaseStatus="Not Run"
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DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-024      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-025      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-026      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-027      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-028      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-029      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-030      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-031      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-032      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-033      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-034      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-035      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-036      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-037      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-038      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-039      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-040      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-041      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-042      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-043      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-044      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-045      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-046      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-047      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-048      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-049      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-050      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-051      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-052      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-053      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-054      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-055      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
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DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-057      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-058      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-059      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-060      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-061      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-062      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-063      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-064      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-065      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-066      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-067      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-068      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-069      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-070      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-071      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-072      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-073      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-074      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-075      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-076      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-077      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-078      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-079      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-080      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-081      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-082      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-083      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-084      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-085      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-086      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-087      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-088      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
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DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-090      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-091      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-092      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-093      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-094      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-095      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-096      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-097      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-098      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-099      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-100      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-101      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-102      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-103      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-104      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-105      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-106      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-107      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-108      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-109      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-110      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-111      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-112      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-113      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-114      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-115      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-116      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-117      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-118      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-119      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-120      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-121      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
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DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-123      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-124      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-125      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-126      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-127      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-128      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-129      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-130      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-131      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-132      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-133      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-134      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-135      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-136      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-137      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-138      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-139      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-140      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-141      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-142      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-143      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-144      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-145      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-146      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-147      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-148      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-149      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-150      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-151      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-152      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-153      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-154      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
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DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-156      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-157      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-158      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-159      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-GEO-160      Type=NonStatic      InitialCond=Zero      DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-01      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-02      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-03      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-04      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-05      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-06      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-07      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-08      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-09      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-10      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-11      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-12      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-13      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-14      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-15      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-16      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-17      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-18      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-19      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-20      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-21      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-22      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-23      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-24      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-25      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-26      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-27      Type=NonStatic      InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
```

```
   Case=SLU-SIS-28       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-29       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-30       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-31       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"
   Case=SLU-SIS-32       Type=NonStatic       InitialCond=Zero       DesTypeOpt="Prog  Det"
DesignType=DEAD   AutoType=None   RunCase=Yes   CaseStatus="Not Run"

TABLE:  "CASE - STATIC 1 - LOAD ASSIGNMENTS"
   Case=SLE-QP-01   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
   Case=SLE-QP-01   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
   Case=SLE-QP-01   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
   Case=SLE-QP-01   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
   Case=SLE-QP-01   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
   Case=SLE-QP-01   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
   Case=SLE-QP-01   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
   Case=SLE-QP-01   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
   Case=SLE-QP-01   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
   Case=SLE-QP-01   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
   Case=SLE-QP-02   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
   Case=SLE-QP-02   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
   Case=SLE-QP-02   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
   Case=SLE-QP-02   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
   Case=SLE-QP-02   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
   Case=SLE-QP-02   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
   Case=SLE-QP-02   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
   Case=SLE-QP-02   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
   Case=SLE-QP-02   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
   Case=SLE-QP-02   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
   Case=SLE-QP-03   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
   Case=SLE-QP-03   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
   Case=SLE-QP-03   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
   Case=SLE-QP-03   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
   Case=SLE-QP-03   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
   Case=SLE-QP-03   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
   Case=SLE-QP-03   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
   Case=SLE-QP-03   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
   Case=SLE-QP-03   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
   Case=SLE-QP-03   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
   Case=SLE-QP-04   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
   Case=SLE-QP-04   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
   Case=SLE-QP-04   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
   Case=SLE-QP-04   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
   Case=SLE-QP-04   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
   Case=SLE-QP-04   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
   Case=SLE-QP-04   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
   Case=SLE-QP-04   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
   Case=SLE-QP-04   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
   Case=SLE-QP-04   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
   Case=SLE-QP-05   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
   Case=SLE-QP-05   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
   Case=SLE-QP-05   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
   Case=SLE-QP-05   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
   Case=SLE-QP-05   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
   Case=SLE-QP-05   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
   Case=SLE-QP-05   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
   Case=SLE-QP-05   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
   Case=SLE-QP-05   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
   Case=SLE-QP-06   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
   Case=SLE-QP-06   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
   Case=SLE-QP-06   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
   Case=SLE-QP-06   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
   Case=SLE-QP-06   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
   Case=SLE-QP-06   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
```

```
Case=SLE-QP-06   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-06   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-QP-06   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-QP-07   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-07   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-07   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-07   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-QP-07   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-QP-07   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-07   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-07   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-QP-07   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-QP-08   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-08   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-08   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-08   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-QP-08   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-QP-08   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-08   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-08   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-QP-08   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-QP-09   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-09   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-09   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-09   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-QP-09   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-QP-09   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-09   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-09   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-QP-09   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-QP-09   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-QP-10   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-10   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-10   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-10   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-QP-10   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-QP-10   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-10   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-10   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-QP-10   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-QP-10   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-QP-11   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-11   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-11   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-11   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-QP-11   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-QP-11   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-11   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-11   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-QP-11   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-QP-11   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-QP-12   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-12   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-12   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-12   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-QP-12   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-QP-12   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-12   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-12   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-QP-12   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-QP-12   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-QP-13   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-13   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-13   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-13   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-QP-13   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-QP-13   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
```

```
Case=SLE-QP-13   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-13   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-QP-13   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-QP-14   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-14   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-14   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-14   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-QP-14   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-QP-14   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-14   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-14   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-QP-14   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-QP-15   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-15   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-15   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-15   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-QP-15   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-QP-15   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-15   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-15   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-QP-15   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-QP-16   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-16   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-16   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-16   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-QP-16   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-QP-16   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-16   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-16   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-QP-16   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-QP-17   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-17   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-17   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-17   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-QP-17   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-QP-17   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-17   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-17   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-QP-17   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-QP-17   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-QP-18   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-18   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-18   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-18   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-QP-18   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-QP-18   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-18   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-18   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-QP-18   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-QP-18   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-QP-19   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-19   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-19   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-19   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-QP-19   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-QP-19   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-19   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-19   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-QP-19   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-QP-19   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-QP-20   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-20   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-20   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-20   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-QP-20   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-QP-20   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-20   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
```

```
Case=SLE-QP-20   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-QP-20   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-.5
Case=SLE-QP-20   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-.5
Case=SLE-QP-21   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-QP-21   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-QP-21   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-QP-21   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLE-QP-21   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=1
Case=SLE-QP-21   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-QP-21   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-QP-21   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=.5
Case=SLE-QP-21   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=.5
Case=SLE-QP-22   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-QP-22   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-QP-22   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-QP-22   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLE-QP-22   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=1
Case=SLE-QP-22   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-QP-22   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-QP-22   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=.5
Case=SLE-QP-22   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-.5
Case=SLE-QP-23   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-QP-23   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-QP-23   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-QP-23   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLE-QP-23   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=1
Case=SLE-QP-23   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-QP-23   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-QP-23   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-.5
Case=SLE-QP-23   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=.5
Case=SLE-QP-24   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-QP-24   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-QP-24   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-QP-24   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLE-QP-24   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=1
Case=SLE-QP-24   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-QP-24   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-QP-24   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-.5
Case=SLE-QP-24   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-.5
Case=SLE-QP-25   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-QP-25   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-QP-25   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-QP-25   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLE-QP-25   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=.5
Case=SLE-QP-25   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-QP-25   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-QP-25   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-QP-25   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=.5
Case=SLE-QP-25   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=.5
Case=SLE-QP-26   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-QP-26   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-QP-26   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-QP-26   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLE-QP-26   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=.5
Case=SLE-QP-26   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-QP-26   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-QP-26   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-QP-26   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=.5
Case=SLE-QP-26   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-.5
Case=SLE-QP-27   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-QP-27   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-QP-27   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-QP-27   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLE-QP-27   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=.5
Case=SLE-QP-27   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-QP-27   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-QP-27   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
```

```
Case=SLE-QP-27   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-QP-27   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-QP-28   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-28   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-28   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-28   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-QP-28   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-QP-28   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-28   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-28   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-QP-28   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-QP-28   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-QP-29   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-29   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-29   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-29   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-QP-29   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-QP-29   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-29   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-29   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-QP-29   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-QP-30   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-30   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-30   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-30   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-QP-30   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-QP-30   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-30   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-30   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-QP-30   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-QP-31   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-31   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-31   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-31   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-QP-31   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-QP-31   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-31   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-31   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-QP-31   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-QP-32   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-QP-32   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-QP-32   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-QP-32   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-QP-32   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-QP-32   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-QP-32   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-QP-32   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-QP-32   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-01   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-01   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-01   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-01   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-01   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-01   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-01   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-01   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-01   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-FR-01   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-FR-02   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-02   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-02   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-02   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-02   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-02   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-02   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-02   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-02   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
```

```
Case=SLE-FR-02   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-FR-03   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-03   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-03   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-03   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-03   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-03   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-03   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-03   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-03   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-FR-03   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-FR-04   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-04   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-04   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-04   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-04   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-04   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-04   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-04   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-04   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-FR-04   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-FR-05   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-05   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-05   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-05   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-05   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-05   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-05   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-05   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-FR-05   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-FR-06   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-06   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-06   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-06   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-06   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-06   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-06   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-06   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-FR-06   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-FR-07   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-07   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-07   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-07   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-07   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-07   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-07   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-07   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-FR-07   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-FR-08   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-08   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-08   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-08   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-08   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-08   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-08   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-08   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-FR-08   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-FR-09   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-09   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-09   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-09   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-09   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-09   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-09   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-09   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-09   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-FR-09   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
```

```
Case=SLE-FR-10   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-10   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-10   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-10   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-10   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-10   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-10   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-10   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-10   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-FR-10   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-FR-11   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-11   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-11   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-11   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-11   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-11   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-11   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-11   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-11   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-FR-11   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-FR-12   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-12   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-12   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-12   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-12   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-12   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-12   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-12   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-12   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-FR-12   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-FR-13   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-13   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-13   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-13   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-13   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-13   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-13   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-13   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-FR-13   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-FR-14   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-14   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-14   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-14   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-14   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-14   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-14   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-14   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-FR-14   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-FR-15   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-15   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-15   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-15   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-15   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-15   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-15   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-15   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-FR-15   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-FR-16   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-16   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-16   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-16   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-16   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-16   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-16   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-16   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-FR-16   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-FR-17   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
```

```
Case=SLE-FR-17   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-17   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-17   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-17   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-17   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-17   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-17   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-17   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-FR-17   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-FR-18   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-18   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-18   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-18   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-18   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-18   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-18   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-18   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-18   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-FR-18   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-FR-19   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-19   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-19   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-19   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-19   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-19   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-19   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-19   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-19   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-FR-19   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-FR-20   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-20   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-20   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-20   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-20   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-20   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-20   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-20   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-20   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-FR-20   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-FR-21   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-21   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-21   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-21   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-21   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-21   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-21   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-21   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-FR-21   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-FR-22   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-22   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-22   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-22   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-22   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-22   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-22   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-22   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-FR-22   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-FR-23   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-23   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-23   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-23   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-23   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-23   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-23   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-23   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-FR-23   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-FR-24   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
```

```
Case=SLE-FR-24   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-24   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-24   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-24   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-24   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-24   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-24   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-FR-24   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-FR-25   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-25   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-25   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-25   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-25   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-25   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-25   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-25   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-25   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-FR-25   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-FR-26   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-26   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-26   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-26   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-26   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-26   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-26   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-26   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-26   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-FR-26   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-FR-27   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-27   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-27   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-27   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-27   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-27   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-27   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-27   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-27   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-FR-27   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-FR-28   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-28   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-28   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-28   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-28   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-28   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-28   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-28   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-28   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-FR-28   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-FR-29   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-29   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-29   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-29   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-29   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-29   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-29   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-29   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-FR-29   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-FR-30   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-30   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-30   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-30   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-30   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-30   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-30   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-30   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-FR-30   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-FR-31   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
```

```
Case=SLE-FR-31   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-31   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-31   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-31   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-31   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-31   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-31   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-FR-31   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-FR-32   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-32   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-32   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-32   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-32   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-32   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-32   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-32   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-FR-32   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-FR-33   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-33   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-33   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-33   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-33   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-33   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-33   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-33   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-33   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-33   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-33   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-33   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=SLE-FR-33   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-33   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-34   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-34   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-34   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-34   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-34   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-34   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-34   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-34   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-34   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-34   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-34   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-34   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=SLE-FR-34   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-34   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-35   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-35   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-35   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-35   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-35   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-35   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-35   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-35   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-35   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-35   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-35   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-35   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=SLE-FR-35   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-35   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-36   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-36   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-36   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-36   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-36   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-36   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-36   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-36   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
```

```
Case=SLE-FR-36   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-36   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-36   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-36   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=SLE-FR-36   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-36   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-37   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-37   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-37   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-37   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-37   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-37   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-37   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-37   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-37   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-37   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-37   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-37   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-37   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-38   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-38   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-38   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-38   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-38   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-38   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-38   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-38   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-38   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-38   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-38   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-38   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-38   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-39   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-39   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-39   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-39   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-39   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-39   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-39   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-39   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-39   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-39   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-39   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-39   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-39   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-40   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-40   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-40   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-40   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-40   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-40   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-40   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-40   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-40   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-40   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-40   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-40   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-40   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-41   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-41   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-41   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-41   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-41   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-41   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-41   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-41   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-41   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
```

```
Case=SLE-FR-41   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=SLE-FR-41   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-41   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-42   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-42   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-42   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-42   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-42   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-42   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-42   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-42   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-42   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-42   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=SLE-FR-42   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-42   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-43   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-43   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-43   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-43   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-43   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-43   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-43   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-43   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-43   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-43   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=SLE-FR-43   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-43   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-44   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-44   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-44   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-44   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-44   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-44   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-44   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-44   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-44   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-44   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=SLE-FR-44   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-44   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-45   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-45   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-45   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-45   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-45   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-45   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-45   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-45   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-45   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-45   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-45   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-46   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-46   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-46   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-46   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-46   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-46   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-46   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-46   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-46   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-46   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-46   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-47   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-47   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-47   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-47   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-47   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-47   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
```

```
Case=SLE-FR-47   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-47   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-47   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-47   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-47   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-48   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-48   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-48   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-48   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-48   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-FR-48   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-48   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-48   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-48   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-48   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-48   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-49   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-49   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-49   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-49   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-49   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-49   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-49   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-49   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-49   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-49   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-49   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-49   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=SLE-FR-49   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-49   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-50   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-50   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-50   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-50   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-50   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-50   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-50   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-50   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-50   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-50   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-50   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-50   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=SLE-FR-50   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-50   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-51   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-51   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-51   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-51   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-51   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-51   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-51   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-51   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-51   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-51   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-51   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-51   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=SLE-FR-51   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-51   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-52   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-52   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-52   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-52   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-52   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-52   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-52   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-52   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-52   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
```

```
Case=SLE-FR-52   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-52   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-52   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=SLE-FR-52   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-52   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-53   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-53   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-53   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-53   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-53   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-53   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-53   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-53   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-53   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-53   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-53   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-53   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-53   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-54   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-54   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-54   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-54   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-54   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-54   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-54   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-54   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-54   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-54   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-54   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-54   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-54   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-55   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-55   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-55   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-55   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-55   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-55   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-55   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-55   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-55   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-55   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-55   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-55   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-55   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-56   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-56   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-56   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-56   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-56   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-56   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-56   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-56   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-56   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-56   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-56   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-56   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-56   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-57   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-57   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-57   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-57   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-57   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-57   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-57   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-57   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-57   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-57   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
```

```
Case=SLE-FR-57   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-57   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-58   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-58   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-58   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-58   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-58   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-58   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-58   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-58   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-58   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-58   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=SLE-FR-58   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-58   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-59   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-59   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-59   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-59   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-59   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-59   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-59   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-59   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-59   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-59   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=SLE-FR-59   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-59   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-60   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-60   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-60   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-60   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-60   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-60   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-60   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-60   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-60   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-60   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=SLE-FR-60   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-60   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-61   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-61   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-61   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-61   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-61   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-61   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-61   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-61   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-61   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-61   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-61   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-62   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-62   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-62   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-62   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-62   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-62   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-62   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-62   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-62   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-62   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-62   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-63   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-63   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-63   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-63   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-63   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-63   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-63   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
```

```
Case=SLE-FR-63   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-63   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-63   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-63   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-64   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-64   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-64   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-64   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-FR-64   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-FR-64   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-64   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-64   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-64   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-FR-64   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-64   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-65   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-65   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-65   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-65   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-65   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-65   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-65   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-65   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-65   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-65   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-65   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-65   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=SLE-FR-65   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-65   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-66   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-66   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-66   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-66   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-66   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-66   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-66   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-66   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-66   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-66   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-66   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-66   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=SLE-FR-66   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-66   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-67   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-67   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-67   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-67   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-67   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-67   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-67   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-67   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-67   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-67   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-67   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-67   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=SLE-FR-67   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-67   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-68   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-68   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-68   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-68   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-68   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-68   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-68   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-68   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-68   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-68   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
```

```
Case=SLE-FR-68   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-68   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=SLE-FR-68   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-68   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-69   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-69   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-69   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-69   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-69   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-69   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-69   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-69   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-69   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-69   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-69   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-69   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-69   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-70   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-70   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-70   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-70   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-70   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-70   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-70   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-70   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-70   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-70   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-70   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-70   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-70   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-71   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-71   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-71   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-71   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-71   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-71   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-71   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-71   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-71   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-71   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-71   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-71   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-71   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-72   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-72   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-72   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-72   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-72   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-72   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-72   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-72   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-72   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-72   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-72   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-72   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-72   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-73   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-73   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-73   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-73   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-73   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-73   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-73   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-73   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-73   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-73   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=SLE-FR-73   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
```

```
Case=SLE-FR-73   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-74   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-74   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-74   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-74   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-74   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-74   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-74   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-74   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-74   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-74   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=SLE-FR-74   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-74   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-75   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-75   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-75   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-75   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-75   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-75   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-75   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-75   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-75   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-75   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=SLE-FR-75   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-75   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-76   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-76   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-76   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-76   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-76   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-76   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-76   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-76   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-76   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-76   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=SLE-FR-76   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-76   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-77   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-77   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-77   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-77   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-77   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-77   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-77   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-77   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-77   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-77   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-77   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-78   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-78   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-78   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-78   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-78   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-78   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-78   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-78   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-78   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-78   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-78   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-79   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-79   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-79   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-79   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-79   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-79   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-79   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-79   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
```

```
Case=SLE-FR-79   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-79   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-79   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-80   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-80   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-80   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-80   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-80   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-FR-80   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-80   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-80   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-80   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-80   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-80   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-81   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-81   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-81   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-81   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-81   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-81   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-81   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-81   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-81   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-81   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-81   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-81   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=SLE-FR-81   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-81   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-82   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-82   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-82   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-82   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-82   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-82   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-82   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-82   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-82   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-82   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-82   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-82   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=SLE-FR-82   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-82   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-83   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-83   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-83   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-83   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-83   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-83   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-83   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-83   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-83   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-83   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-83   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-83   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=SLE-FR-83   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-83   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-84   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-84   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-84   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-84   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-84   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-84   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-84   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-84   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-84   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-84   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-84   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
```

```
Case=SLE-FR-84   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=SLE-FR-84   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-84   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-85   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-85   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-85   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-85   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-85   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-85   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-85   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-85   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-85   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-85   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-85   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-85   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-85   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-86   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-86   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-86   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-86   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-86   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-86   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-86   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-86   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-86   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-86   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-86   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-86   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-86   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-87   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-87   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-87   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-87   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-87   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-87   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-87   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-87   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-87   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-87   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-87   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-87   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-87   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-FR-88   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-88   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-88   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-88   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-88   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-88   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-88   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-88   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-FR-88   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-FR-88   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-88   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-88   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-FR-88   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-FR-89   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-FR-89   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-FR-89   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-FR-89   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-89   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-89   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-FR-89   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-FR-89   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-FR-89   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-89   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=SLE-FR-89   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-FR-89   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
```

```
Case=SLE-FR-90    LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-FR-90    LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-FR-90    LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-FR-90    LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-90    LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-90    LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-FR-90    LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-FR-90    LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.75
Case=SLE-FR-90    LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-90    LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=SLE-FR-90    LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=.5
Case=SLE-FR-90    LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-.5
Case=SLE-FR-91    LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-FR-91    LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-FR-91    LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-FR-91    LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-91    LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-91    LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-FR-91    LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-FR-91    LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.75
Case=SLE-FR-91    LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-91    LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=SLE-FR-91    LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-.5
Case=SLE-FR-91    LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=.5
Case=SLE-FR-92    LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-FR-92    LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-FR-92    LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-FR-92    LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-92    LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-92    LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-FR-92    LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-FR-92    LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.75
Case=SLE-FR-92    LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-92    LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=SLE-FR-92    LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-.5
Case=SLE-FR-92    LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-.5
Case=SLE-FR-93    LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-FR-93    LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-FR-93    LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-FR-93    LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-93    LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-93    LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-FR-93    LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-FR-93    LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.75
Case=SLE-FR-93    LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-93    LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=.5
Case=SLE-FR-93    LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=.5
Case=SLE-FR-94    LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-FR-94    LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-FR-94    LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-FR-94    LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-94    LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-94    LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-FR-94    LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-FR-94    LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.75
Case=SLE-FR-94    LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-FR-94    LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=.5
Case=SLE-FR-94    LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-.5
Case=SLE-FR-95    LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-FR-95    LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-FR-95    LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-FR-95    LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-FR-95    LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-FR-95    LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-FR-95    LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-FR-95    LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.75
Case=SLE-FR-95    LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
```

```
Case=SLE-FR-95    LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-.5
Case=SLE-FR-95    LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=.5
Case=SLE-FR-96    LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-FR-96    LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-FR-96    LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-FR-96    LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLE-FR-96    LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=.5
Case=SLE-FR-96    LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-FR-96    LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-FR-96    LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.75
Case=SLE-FR-96    LoadType="Load pattern"   LoadName=SPAKa-SX    LoadSF=.75
Case=SLE-FR-96    LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-.5
Case=SLE-FR-96    LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-.5
Case=SLE-CAR-001    LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-001    LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-001    LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-001    LoadType="Load pattern"   LoadName=SPT-SX    LoadSF=1
Case=SLE-CAR-001    LoadType="Load pattern"   LoadName=SPT-DX    LoadSF=1
Case=SLE-CAR-001    LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-001    LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-CAR-001    LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-001    LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=1
Case=SLE-CAR-001    LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=1
Case=SLE-CAR-002    LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-002    LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-002    LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-002    LoadType="Load pattern"   LoadName=SPT-SX    LoadSF=1
Case=SLE-CAR-002    LoadType="Load pattern"   LoadName=SPT-DX    LoadSF=1
Case=SLE-CAR-002    LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-002    LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-CAR-002    LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-002    LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=1
Case=SLE-CAR-002    LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-1
Case=SLE-CAR-003    LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-003    LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-003    LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-003    LoadType="Load pattern"   LoadName=SPT-SX    LoadSF=1
Case=SLE-CAR-003    LoadType="Load pattern"   LoadName=SPT-DX    LoadSF=1
Case=SLE-CAR-003    LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-003    LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-CAR-003    LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-003    LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-1
Case=SLE-CAR-003    LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=1
Case=SLE-CAR-004    LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-004    LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-004    LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-004    LoadType="Load pattern"   LoadName=SPT-SX    LoadSF=1
Case=SLE-CAR-004    LoadType="Load pattern"   LoadName=SPT-DX    LoadSF=1
Case=SLE-CAR-004    LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-004    LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-CAR-004    LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-004    LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-1
Case=SLE-CAR-004    LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-1
Case=SLE-CAR-005    LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-005    LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-005    LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-005    LoadType="Load pattern"   LoadName=SPT-SX    LoadSF=1
Case=SLE-CAR-005    LoadType="Load pattern"   LoadName=SPT-DX    LoadSF=1
Case=SLE-CAR-005    LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-005    LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-CAR-005    LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=1
Case=SLE-CAR-005    LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=1
Case=SLE-CAR-006    LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-006    LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-006    LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-006    LoadType="Load pattern"   LoadName=SPT-SX    LoadSF=1
Case=SLE-CAR-006    LoadType="Load pattern"   LoadName=SPT-DX    LoadSF=1
```

```
Case=SLE-CAR-006   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-006   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-006   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-006   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-007   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-007   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-007   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-007   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-007   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-007   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-007   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-007   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-007   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-008   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-008   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-008   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-008   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-008   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-008   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-008   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-008   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-008   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-009   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-009   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-009   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-009   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-009   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-009   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-009   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-009   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-009   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-009   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-009   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-009   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=SLE-CAR-009   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-009   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-010   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-010   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-010   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-010   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-010   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-010   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-010   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-010   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-010   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-010   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-010   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-010   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=SLE-CAR-010   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-010   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-011   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-011   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-011   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-011   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-011   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-011   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-011   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-011   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-011   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-011   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-011   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-011   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=SLE-CAR-011   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-011   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-012   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-012   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-012   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
```

```
Case=SLE-CAR-012   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-012   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-012   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-012   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-012   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-012   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-012   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-012   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-012   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=SLE-CAR-012   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-012   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-013   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-013   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-013   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-013   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-013   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-013   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-013   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-013   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-013   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-013   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-013   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-013   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-013   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-014   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-014   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-014   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-014   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-014   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-014   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-014   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-014   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-014   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-014   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-014   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-014   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-014   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-015   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-015   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-015   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-015   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-015   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-015   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-015   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-015   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-015   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-015   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-015   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-015   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-015   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-016   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-016   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-016   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-016   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-016   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-016   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-016   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-016   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-016   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-016   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-016   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-016   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-016   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-017   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-017   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-017   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-017   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
```

```
Case=SLE-CAR-017   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-017   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-017   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-017   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-017   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-017   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=SLE-CAR-017   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-017   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-018   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-018   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-018   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-018   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-018   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-018   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-018   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-018   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-018   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-018   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=SLE-CAR-018   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-018   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-019   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-019   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-019   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-019   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-019   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-019   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-019   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-019   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-019   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-019   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=SLE-CAR-019   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-019   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-020   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-020   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-020   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-020   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-020   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-020   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-020   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-020   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-020   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-020   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=SLE-CAR-020   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-020   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-021   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-021   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-021   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-021   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-021   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-021   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-021   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-021   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-021   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-021   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-021   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-022   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-022   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-022   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-022   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-022   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-022   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-022   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-022   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-022   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-022   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-022   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-023   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
```

```
Case=SLE-CAR-023   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-023   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-023   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-023   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-023   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-023   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-023   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-023   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-023   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-023   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-024   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-024   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-024   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-024   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-024   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-024   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-024   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-024   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-024   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-024   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-024   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-025   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-025   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-025   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-025   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-025   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-025   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-025   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-025   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-025   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-025   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-026   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-026   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-026   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-026   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-026   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-026   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-026   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-026   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-026   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-026   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-027   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-027   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-027   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-027   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-027   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-027   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-027   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-027   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-027   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-027   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-028   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-028   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-028   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-028   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-028   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-028   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-028   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-028   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-028   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-028   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-029   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-029   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-029   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-029   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-029   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-029   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
```

```
Case=SLE-CAR-029   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-029   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-029   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-030   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-030   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-030   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-030   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-030   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-030   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-030   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-030   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-030   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-031   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-031   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-031   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-031   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-031   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-031   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-031   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-031   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-031   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-032   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-032   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-032   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-032   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-032   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-032   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-032   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-032   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-032   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-033   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-033   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-033   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-033   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-033   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-033   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-033   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-033   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-033   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-033   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-033   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-033   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=SLE-CAR-033   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-033   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-034   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-034   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-034   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-034   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-034   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-034   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-034   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-034   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-034   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-034   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-034   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-034   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=SLE-CAR-034   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-034   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-035   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-035   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-035   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-035   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-035   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-035   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-035   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-035   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-035   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
```

```
Case=SLE-CAR-035   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-035   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-035   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=SLE-CAR-035   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-035   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-036   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-036   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-036   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-036   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-036   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-036   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-036   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-036   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-036   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-036   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-036   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-036   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=SLE-CAR-036   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-036   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-037   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-037   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-037   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-037   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-037   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-037   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-037   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-037   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-037   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-037   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-037   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-037   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-037   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-038   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-038   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-038   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-038   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-038   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-038   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-038   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-038   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-038   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-038   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-038   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-038   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-038   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-039   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-039   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-039   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-039   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-039   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-039   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-039   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-039   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-039   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-039   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-039   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-039   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-039   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-040   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-040   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-040   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-040   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-040   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-040   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-040   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-040   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-040   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
```

```
Case=SLE-CAR-040   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-040   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-040   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-040   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-041   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-041   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-041   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-041   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-041   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-041   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-041   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-041   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-041   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-041   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=SLE-CAR-041   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-041   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-042   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-042   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-042   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-042   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-042   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-042   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-042   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-042   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-042   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-042   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=SLE-CAR-042   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-042   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-043   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-043   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-043   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-043   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-043   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-043   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-043   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-043   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-043   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-043   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=SLE-CAR-043   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-043   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-044   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-044   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-044   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-044   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-044   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-044   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-044   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-044   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-044   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-044   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=SLE-CAR-044   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-044   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-045   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-045   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-045   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-045   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-045   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-045   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-045   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-045   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-045   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-045   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-045   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-046   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-046   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-046   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-046   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
```

```
Case=SLE-CAR-046   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-046   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-046   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-046   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-046   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-046   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-046   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-047   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-047   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-047   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-047   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-047   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-047   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-047   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-047   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-047   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-047   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-047   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-048   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-048   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-048   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-048   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-048   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-048   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-048   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-048   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-048   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=SLE-CAR-048   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-048   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-049   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-049   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-049   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-049   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-049   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-049   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-049   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-049   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-049   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-049   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-050   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-050   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-050   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-050   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-050   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-050   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-050   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-050   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-050   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-050   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-051   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-051   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-051   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-051   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-051   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-051   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-051   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-051   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-051   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-051   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-052   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-052   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-052   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-052   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-052   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-052   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-052   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-052   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
```

```
Case=SLE-CAR-052   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-052   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-053   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-053   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-053   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-053   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-053   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-053   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-053   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-053   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-053   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-054   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-054   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-054   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-054   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-054   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-054   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-054   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-054   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-054   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-055   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-055   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-055   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-055   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-055   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-055   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-055   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-055   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-055   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-056   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-056   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-056   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-056   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-056   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-056   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-056   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-056   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-056   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-057   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-057   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-057   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-057   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-057   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-057   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-057   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-057   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-057   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-057   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-057   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-057   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=SLE-CAR-057   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-057   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-058   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-058   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-058   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-058   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-058   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-058   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-058   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-058   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-058   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-058   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-058   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-058   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=SLE-CAR-058   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-058   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-059   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
```

```
Case=SLE-CAR-059   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-059   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-059   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-059   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-059   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-059   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-059   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-059   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-059   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-059   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-059   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=SLE-CAR-059   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-059   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-060   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-060   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-060   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-060   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-060   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-060   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-060   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-060   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-060   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-060   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-060   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-060   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=SLE-CAR-060   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-060   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-061   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-061   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-061   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-061   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-061   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-061   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-061   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-061   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-061   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-061   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-061   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-061   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-061   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-062   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-062   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-062   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-062   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-062   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-062   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-062   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-062   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-062   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-062   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-062   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-062   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-062   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-063   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-063   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-063   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-063   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-063   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-063   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-063   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-063   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-063   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-063   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-063   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-063   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-063   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-064   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
```

```
Case=SLE-CAR-064   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-064   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-064   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-064   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-064   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-064   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-064   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-064   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-064   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-064   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-064   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-064   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-065   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-065   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-065   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-065   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-065   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-065   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-065   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-065   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-065   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-065   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=SLE-CAR-065   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-065   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-066   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-066   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-066   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-066   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-066   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-066   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-066   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-066   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-066   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-066   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=SLE-CAR-066   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-066   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-067   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-067   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-067   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-067   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-067   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-067   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-067   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-067   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-067   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-067   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=SLE-CAR-067   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-067   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-068   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-068   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-068   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-068   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-068   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-068   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-068   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-068   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-068   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-068   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=SLE-CAR-068   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-068   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-069   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-069   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-069   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-069   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-069   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-069   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-069   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
```

```
Case=SLE-CAR-069   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.75
Case=SLE-CAR-069   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-069   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=1
Case=SLE-CAR-069   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=1
Case=SLE-CAR-070   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-070   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-070   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-070   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-070   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-070   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-070   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-CAR-070   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.75
Case=SLE-CAR-070   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-070   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=1
Case=SLE-CAR-070   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-1
Case=SLE-CAR-071   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-071   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-071   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-071   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-071   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-071   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-071   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-CAR-071   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.75
Case=SLE-CAR-071   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-071   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-1
Case=SLE-CAR-071   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=1
Case=SLE-CAR-072   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-072   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-072   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-072   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-072   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-072   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-072   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-CAR-072   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.75
Case=SLE-CAR-072   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-072   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-1
Case=SLE-CAR-072   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-1
Case=SLE-CAR-073   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-073   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-073   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-073   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-073   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-073   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-073   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-CAR-073   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-073   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=1
Case=SLE-CAR-073   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=1
Case=SLE-CAR-074   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-074   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-074   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-074   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-074   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-074   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-074   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-CAR-074   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-074   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=1
Case=SLE-CAR-074   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-1
Case=SLE-CAR-075   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-075   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-075   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-075   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-075   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-075   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-075   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-CAR-075   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-075   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-1
Case=SLE-CAR-075   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=1
```

```
Case=SLE-CAR-076   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-076   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-076   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-076   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLE-CAR-076   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=.5
Case=SLE-CAR-076   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-076   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-CAR-076   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-076   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-1
Case=SLE-CAR-076   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-1
Case=SLE-CAR-077   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-077   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-077   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-077   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLE-CAR-077   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=.5
Case=SLE-CAR-077   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-077   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-CAR-077   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=1
Case=SLE-CAR-077   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=1
Case=SLE-CAR-078   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-078   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-078   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-078   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLE-CAR-078   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=.5
Case=SLE-CAR-078   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-078   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-CAR-078   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=1
Case=SLE-CAR-078   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-1
Case=SLE-CAR-079   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-079   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-079   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-079   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLE-CAR-079   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=.5
Case=SLE-CAR-079   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-079   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-CAR-079   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-1
Case=SLE-CAR-079   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=1
Case=SLE-CAR-080   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-080   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-080   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-080   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLE-CAR-080   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=.5
Case=SLE-CAR-080   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-080   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-CAR-080   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-1
Case=SLE-CAR-080   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-1
Case=SLE-CAR-081   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-081   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-081   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-081   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLE-CAR-081   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=.5
Case=SLE-CAR-081   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-081   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLE-CAR-081   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-081   LoadType="Load pattern"   LoadName=ACCINF    LoadSF=.75
Case=SLE-CAR-081   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.75
Case=SLE-CAR-081   LoadType="Load pattern"   LoadName=SPAKa-SX    LoadSF=.75
Case=SLE-CAR-081   LoadType="Load pattern"   LoadName=SPAKa-DX    LoadSF=.375
Case=SLE-CAR-081   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=1
Case=SLE-CAR-081   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=1
Case=SLE-CAR-082   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLE-CAR-082   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLE-CAR-082   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLE-CAR-082   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLE-CAR-082   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=.5
Case=SLE-CAR-082   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLE-CAR-082   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
```

```
Case=SLE-CAR-082   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-082   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-082   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-082   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-082   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=SLE-CAR-082   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-082   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-083   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-083   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-083   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-083   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-083   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-083   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-083   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-083   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-083   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-083   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-083   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-083   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=SLE-CAR-083   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-083   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-084   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-084   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-084   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-084   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-084   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-084   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-084   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-084   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-084   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-084   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-084   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-084   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=SLE-CAR-084   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-084   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-085   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-085   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-085   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-085   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-085   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-085   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-085   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-085   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-085   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-085   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-085   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-085   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-085   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-086   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-086   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-086   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-086   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-086   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-086   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-086   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-086   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-086   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-086   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-086   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-086   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-086   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-087   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-087   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-087   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-087   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-087   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-087   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
```

```
Case=SLE-CAR-087   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-087   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-087   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-087   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-087   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-087   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-087   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-088   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-088   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-088   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-088   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-088   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-088   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-088   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-088   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-088   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=SLE-CAR-088   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-088   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-088   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-088   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-089   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-089   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-089   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-089   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-089   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-089   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-089   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-089   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-089   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-089   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=SLE-CAR-089   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-089   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-090   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-090   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-090   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-090   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-090   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-090   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-090   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-090   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-090   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-090   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=SLE-CAR-090   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-090   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-091   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-091   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-091   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-091   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-091   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-091   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-091   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-091   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-091   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-091   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=SLE-CAR-091   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-091   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-092   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-092   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-092   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-092   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-092   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-092   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-092   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-092   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-092   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-092   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=SLE-CAR-092   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
```

```
Case=SLE-CAR-092   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-093   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-093   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-093   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-093   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-093   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-093   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-093   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-093   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-093   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-093   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-093   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-094   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-094   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-094   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-094   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-094   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-094   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-094   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-094   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-094   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-094   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLE-CAR-094   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-095   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-095   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-095   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-095   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-095   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-095   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-095   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-095   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-095   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-095   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-095   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLE-CAR-096   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-096   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-096   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-096   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-096   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-096   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-096   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-096   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=SLE-CAR-096   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=SLE-CAR-096   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLE-CAR-096   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLE-CAR-097   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-097   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-097   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-097   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-097   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-097   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-097   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-097   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-097   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-097   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-097   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-097   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-097   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1
Case=SLE-CAR-097   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-097   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-098   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-098   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-098   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-098   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-098   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-098   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-098   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
```

```
Case=SLE-CAR-098   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-098   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-098   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-098   LoadType="Load pattern"   LoadName=FREN    LoadSF=1
Case=SLE-CAR-098   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-098   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1
Case=SLE-CAR-098   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-098   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-099   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-099   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-099   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-099   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-099   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-099   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-099   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-099   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-099   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-099   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-099   LoadType="Load pattern"   LoadName=FREN    LoadSF=1
Case=SLE-CAR-099   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-099   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1
Case=SLE-CAR-099   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-099   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-100   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-100   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-100   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-100   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-100   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-100   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-100   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-100   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-100   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-100   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-100   LoadType="Load pattern"   LoadName=FREN    LoadSF=1
Case=SLE-CAR-100   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-100   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1
Case=SLE-CAR-100   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-100   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-101   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-101   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-101   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-101   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-101   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-101   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-101   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-101   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-101   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-101   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-101   LoadType="Load pattern"   LoadName=FREN    LoadSF=1
Case=SLE-CAR-101   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-101   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-101   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-102   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-102   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-102   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-102   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-102   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-102   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-102   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-102   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-102   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-102   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-102   LoadType="Load pattern"   LoadName=FREN    LoadSF=1
Case=SLE-CAR-102   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-102   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-102   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-103   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
```

```
Case=SLE-CAR-103   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-103   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-103   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-103   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-103   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-103   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-103   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-103   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-103   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-103   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-103   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-103   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-103   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-104   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-104   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-104   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-104   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-104   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-104   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-104   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-104   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-104   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-104   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-104   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-104   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-104   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-104   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-105   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-105   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-105   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-105   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-105   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-105   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-105   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-105   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-105   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-105   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-105   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1
Case=SLE-CAR-105   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-105   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-106   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-106   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-106   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-106   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-106   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-106   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-106   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-106   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-106   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-106   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-106   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1
Case=SLE-CAR-106   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-106   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-107   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-107   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-107   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-107   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-107   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-107   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-107   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-107   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-107   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-107   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-107   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1
Case=SLE-CAR-107   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-107   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-108   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
```

```
Case=SLE-CAR-108   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-108   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-108   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-108   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-108   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-108   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-108   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-108   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-108   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-108   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1
Case=SLE-CAR-108   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-108   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-109   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-109   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-109   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-109   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-109   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-109   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-109   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-109   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-109   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-109   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-109   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-109   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-110   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-110   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-110   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-110   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-110   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-110   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-110   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-110   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-110   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-110   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-110   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-110   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-111   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-111   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-111   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-111   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-111   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-111   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-111   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-111   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-111   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-111   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-111   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-111   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-112   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-112   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-112   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-112   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-112   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-CAR-112   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-112   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-112   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-112   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-112   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-112   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-112   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-113   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-113   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-113   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-113   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-113   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-113   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-113   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
```

```
Case=SLE-CAR-113   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-113   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-113   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-113   LoadType="Load pattern"   LoadName=FREN    LoadSF=1
Case=SLE-CAR-113   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-113   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.5
Case=SLE-CAR-113   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-113   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-114   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-114   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-114   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-114   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-114   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-114   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-114   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-114   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-114   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-114   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-114   LoadType="Load pattern"   LoadName=FREN    LoadSF=1
Case=SLE-CAR-114   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-114   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.5
Case=SLE-CAR-114   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-114   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-115   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-115   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-115   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-115   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-115   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-115   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-115   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-115   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-115   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-115   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-115   LoadType="Load pattern"   LoadName=FREN    LoadSF=1
Case=SLE-CAR-115   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-115   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.5
Case=SLE-CAR-115   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-115   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-116   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-116   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-116   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-116   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-116   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-116   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-116   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-116   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-116   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-116   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-116   LoadType="Load pattern"   LoadName=FREN    LoadSF=1
Case=SLE-CAR-116   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-116   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.5
Case=SLE-CAR-116   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-116   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-117   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-117   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-117   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-117   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-117   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-117   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-117   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-117   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLE-CAR-117   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-117   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-117   LoadType="Load pattern"   LoadName=FREN    LoadSF=1
Case=SLE-CAR-117   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-117   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-117   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
```

```
Case=SLE-CAR-118   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-118   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-118   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-118   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-118   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-118   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-118   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-118   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-118   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-118   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-118   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-118   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-118   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-118   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-119   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-119   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-119   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-119   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-119   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-119   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-119   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-119   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-119   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-119   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-119   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-119   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-119   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-119   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-120   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-120   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-120   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-120   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-120   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-120   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-120   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-120   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-120   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-120   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-120   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-120   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-120   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-120   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-121   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-121   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-121   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-121   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-121   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-121   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-121   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-121   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-121   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-121   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-121   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.5
Case=SLE-CAR-121   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-121   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-122   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-122   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-122   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-122   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-122   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-122   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-122   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-122   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-122   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-122   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-122   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.5
Case=SLE-CAR-122   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
```

```
Case=SLE-CAR-122   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-123   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-123   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-123   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-123   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-123   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-123   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-123   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-123   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-123   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-123   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-123   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.5
Case=SLE-CAR-123   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-123   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-124   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-124   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-124   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-124   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-124   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-124   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-124   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-124   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-124   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-124   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-124   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.5
Case=SLE-CAR-124   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-124   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-125   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-125   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-125   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-125   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-125   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-125   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-125   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-125   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-125   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-125   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-125   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-125   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-126   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-126   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-126   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-126   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-126   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-126   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-126   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-126   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-126   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-126   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-126   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-126   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-127   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-127   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-127   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-127   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLE-CAR-127   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-127   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-127   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-127   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-127   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-127   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-127   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-127   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-128   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-128   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-128   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-128   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
```

```
Case=SLE-CAR-128   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLE-CAR-128   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-128   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-128   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-128   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-128   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1
Case=SLE-CAR-128   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-128   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-129   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-129   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-129   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-129   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-129   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-129   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-129   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-129   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-129   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-129   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-129   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-129   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-129   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1
Case=SLE-CAR-129   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-129   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-130   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-130   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-130   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-130   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-130   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-130   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-130   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-130   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-130   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-130   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-130   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-130   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-130   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1
Case=SLE-CAR-130   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-130   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-131   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-131   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-131   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-131   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-131   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-131   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-131   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-131   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-131   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-131   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-131   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-131   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-131   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1
Case=SLE-CAR-131   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-131   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-132   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-132   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-132   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-132   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-132   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-132   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-132   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-132   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-132   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-132   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-132   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-132   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-132   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1
Case=SLE-CAR-132   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
```

```
Case=SLE-CAR-132   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-133   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-133   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-133   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-133   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-133   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-133   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-133   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-133   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-133   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-133   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-133   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-133   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-133   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-133   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-134   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-134   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-134   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-134   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-134   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-134   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-134   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-134   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-134   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-134   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-134   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-134   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-134   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-134   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-135   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-135   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-135   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-135   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-135   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-135   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-135   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-135   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-135   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-135   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-135   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-135   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-135   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-135   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-136   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-136   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-136   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-136   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-136   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-136   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-136   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-136   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-136   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-136   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-136   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-136   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-136   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-136   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-137   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-137   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-137   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-137   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-137   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-137   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-137   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-137   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-137   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-137   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
```

```
Case=SLE-CAR-137   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1
Case=SLE-CAR-137   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-137   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-138   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-138   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-138   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-138   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-138   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-138   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-138   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-138   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-138   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-138   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-138   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1
Case=SLE-CAR-138   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-138   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-139   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-139   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-139   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-139   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-139   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-139   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-139   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-139   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-139   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-139   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-139   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1
Case=SLE-CAR-139   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-139   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-140   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-140   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-140   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-140   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-140   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-140   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-140   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-140   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-140   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-140   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-140   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1
Case=SLE-CAR-140   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-140   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-141   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-141   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-141   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-141   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-141   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-141   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-141   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-141   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-141   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-141   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-141   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-141   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-142   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-142   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-142   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-142   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-142   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-142   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-142   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-142   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-142   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-142   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-142   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-142   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-143   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
```

```
Case=SLE-CAR-143   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-143   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-143   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-143   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-143   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-143   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-143   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-143   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-143   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-143   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-143   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-144   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-144   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-144   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-144   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-144   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLE-CAR-144   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-144   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-144   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-144   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-144   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-144   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-144   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-145   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-145   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-145   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-145   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-145   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-145   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-145   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-145   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-145   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-145   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-145   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-145   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-145   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.5
Case=SLE-CAR-145   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-145   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-146   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-146   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-146   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-146   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-146   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-146   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-146   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-146   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-146   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-146   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-146   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-146   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-146   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.5
Case=SLE-CAR-146   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-146   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-147   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-147   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-147   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-147   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-147   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-147   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-147   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-147   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-147   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-147   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-147   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-147   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-147   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.5
Case=SLE-CAR-147   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
```

```
Case=SLE-CAR-147   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-148   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-148   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-148   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-148   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-148   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-148   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-148   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-148   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-148   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-148   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-148   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-148   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-148   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.5
Case=SLE-CAR-148   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-148   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-149   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-149   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-149   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-149   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-149   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-149   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-149   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-149   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-149   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-149   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-149   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-149   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-149   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-149   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-150   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-150   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-150   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-150   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-150   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-150   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-150   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-150   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-150   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-150   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-150   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-150   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-150   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-150   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-151   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-151   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-151   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-151   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-151   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-151   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-151   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-151   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-151   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
Case=SLE-CAR-151   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-151   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-151   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-151   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-151   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-152   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-152   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-152   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-152   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-152   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-152   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-152   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-152   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-CAR-152   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1
```

```
Case=SLE-CAR-152   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-152   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-152   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-152   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-152   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-153   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-153   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-153   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-153   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-153   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-153   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-153   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-153   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-153   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-153   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-153   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.5
Case=SLE-CAR-153   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-153   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-154   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-154   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-154   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-154   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-154   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-154   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-154   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-154   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-154   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-154   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-154   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.5
Case=SLE-CAR-154   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-154   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-155   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-155   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-155   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-155   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-155   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-155   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-155   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-155   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-155   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-155   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-155   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.5
Case=SLE-CAR-155   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-155   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-156   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-156   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-156   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-156   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-156   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-156   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-156   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-156   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-156   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-156   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-156   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.5
Case=SLE-CAR-156   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-156   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-157   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-157   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-157   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-157   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-157   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-157   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-157   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-157   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-157   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-157   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
```

```
Case=SLE-CAR-157   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-157   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-158   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-158   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-158   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-158   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-158   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-158   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-158   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-158   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-158   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-158   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-158   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLE-CAR-158   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-CAR-159   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-159   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-159   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-159   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-159   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-159   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-159   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-159   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-159   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-159   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-159   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-159   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLE-CAR-160   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-CAR-160   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-CAR-160   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-CAR-160   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-CAR-160   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLE-CAR-160   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-CAR-160   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-CAR-160   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1
Case=SLE-CAR-160   LoadType="Load pattern"   LoadName=FREN   LoadSF=1
Case=SLE-CAR-160   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1
Case=SLE-CAR-160   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLE-CAR-160   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLE-SIS-01   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-SIS-01   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-SIS-01   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-SIS-01   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-SIS-01   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-SIS-01   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-SIS-01   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-SIS-01   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-SIS-01   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-SIS-01   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-SIS-01   LoadType="Load pattern"   LoadName=G1-SLD-X   LoadSF=1
Case=SLE-SIS-01   LoadType="Load pattern"   LoadName=G1-SLD-Z   LoadSF=.3
Case=SLE-SIS-01   LoadType="Load pattern"   LoadName=G3-SLD-X   LoadSF=1
Case=SLE-SIS-01   LoadType="Load pattern"   LoadName=G3-SLD-Z   LoadSF=.3
Case=SLE-SIS-02   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-SIS-02   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-SIS-02   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-SIS-02   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-SIS-02   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-SIS-02   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-SIS-02   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-SIS-02   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-SIS-02   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-SIS-02   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-SIS-02   LoadType="Load pattern"   LoadName=G1-SLD-X   LoadSF=1
Case=SLE-SIS-02   LoadType="Load pattern"   LoadName=G1-SLD-Z   LoadSF=.3
Case=SLE-SIS-02   LoadType="Load pattern"   LoadName=G3-SLD-X   LoadSF=1
Case=SLE-SIS-02   LoadType="Load pattern"   LoadName=G3-SLD-Z   LoadSF=.3
Case=SLE-SIS-03   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
```

```
Case=SLE-SIS-03   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-SIS-03   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-SIS-03   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-SIS-03   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-SIS-03   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-SIS-03   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-SIS-03   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-SIS-03   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-SIS-03   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-SIS-03   LoadType="Load pattern"   LoadName=G1-SLD-X   LoadSF=1
Case=SLE-SIS-03   LoadType="Load pattern"   LoadName=G1-SLD-Z   LoadSF=.3
Case=SLE-SIS-03   LoadType="Load pattern"   LoadName=G3-SLD-X   LoadSF=1
Case=SLE-SIS-03   LoadType="Load pattern"   LoadName=G3-SLD-Z   LoadSF=.3
Case=SLE-SIS-04   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-SIS-04   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-SIS-04   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-SIS-04   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-SIS-04   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-SIS-04   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-SIS-04   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-SIS-04   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-SIS-04   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-SIS-04   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-SIS-04   LoadType="Load pattern"   LoadName=G1-SLD-X   LoadSF=1
Case=SLE-SIS-04   LoadType="Load pattern"   LoadName=G1-SLD-Z   LoadSF=.3
Case=SLE-SIS-04   LoadType="Load pattern"   LoadName=G3-SLD-X   LoadSF=1
Case=SLE-SIS-04   LoadType="Load pattern"   LoadName=G3-SLD-Z   LoadSF=.3
Case=SLE-SIS-05   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-SIS-05   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-SIS-05   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-SIS-05   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-SIS-05   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-SIS-05   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-SIS-05   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-SIS-05   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-SIS-05   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-SIS-05   LoadType="Load pattern"   LoadName=G1-SLD-X   LoadSF=1
Case=SLE-SIS-05   LoadType="Load pattern"   LoadName=G1-SLD-Z   LoadSF=.3
Case=SLE-SIS-06   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-SIS-06   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-SIS-06   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-SIS-06   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-SIS-06   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-SIS-06   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-SIS-06   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-SIS-06   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-SIS-06   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-SIS-06   LoadType="Load pattern"   LoadName=G1-SLD-X   LoadSF=1
Case=SLE-SIS-06   LoadType="Load pattern"   LoadName=G1-SLD-Z   LoadSF=.3
Case=SLE-SIS-07   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-SIS-07   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-SIS-07   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-SIS-07   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-SIS-07   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-SIS-07   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-SIS-07   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-SIS-07   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-SIS-07   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-SIS-07   LoadType="Load pattern"   LoadName=G1-SLD-X   LoadSF=1
Case=SLE-SIS-07   LoadType="Load pattern"   LoadName=G1-SLD-Z   LoadSF=.3
Case=SLE-SIS-08   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-SIS-08   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-SIS-08   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-SIS-08   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-SIS-08   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-SIS-08   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-SIS-08   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
```

```
Case=SLE-SIS-08   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-SIS-08   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-SIS-08   LoadType="Load pattern"   LoadName=G1-SLD-X   LoadSF=1
Case=SLE-SIS-08   LoadType="Load pattern"   LoadName=G1-SLD-Z   LoadSF=.3
Case=SLE-SIS-09   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-SIS-09   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-SIS-09   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-SIS-09   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-SIS-09   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-SIS-09   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-SIS-09   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-SIS-09   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-SIS-09   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-SIS-09   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-SIS-09   LoadType="Load pattern"   LoadName=G1-SLD-X   LoadSF=.3
Case=SLE-SIS-09   LoadType="Load pattern"   LoadName=G1-SLD-Z   LoadSF=1
Case=SLE-SIS-09   LoadType="Load pattern"   LoadName=G3-SLD-X   LoadSF=.3
Case=SLE-SIS-09   LoadType="Load pattern"   LoadName=G3-SLD-Z   LoadSF=1
Case=SLE-SIS-10   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-SIS-10   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-SIS-10   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-SIS-10   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-SIS-10   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-SIS-10   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-SIS-10   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-SIS-10   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-SIS-10   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-SIS-10   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-SIS-10   LoadType="Load pattern"   LoadName=G1-SLD-X   LoadSF=.3
Case=SLE-SIS-10   LoadType="Load pattern"   LoadName=G1-SLD-Z   LoadSF=1
Case=SLE-SIS-10   LoadType="Load pattern"   LoadName=G3-SLD-X   LoadSF=.3
Case=SLE-SIS-10   LoadType="Load pattern"   LoadName=G3-SLD-Z   LoadSF=1
Case=SLE-SIS-11   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-SIS-11   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-SIS-11   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-SIS-11   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-SIS-11   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-SIS-11   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-SIS-11   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-SIS-11   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-SIS-11   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-SIS-11   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-SIS-11   LoadType="Load pattern"   LoadName=G1-SLD-X   LoadSF=.3
Case=SLE-SIS-11   LoadType="Load pattern"   LoadName=G1-SLD-Z   LoadSF=1
Case=SLE-SIS-11   LoadType="Load pattern"   LoadName=G3-SLD-X   LoadSF=.3
Case=SLE-SIS-11   LoadType="Load pattern"   LoadName=G3-SLD-Z   LoadSF=1
Case=SLE-SIS-12   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-SIS-12   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-SIS-12   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-SIS-12   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-SIS-12   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-SIS-12   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-SIS-12   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-SIS-12   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLE-SIS-12   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-SIS-12   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-SIS-12   LoadType="Load pattern"   LoadName=G1-SLD-X   LoadSF=.3
Case=SLE-SIS-12   LoadType="Load pattern"   LoadName=G1-SLD-Z   LoadSF=1
Case=SLE-SIS-12   LoadType="Load pattern"   LoadName=G3-SLD-X   LoadSF=.3
Case=SLE-SIS-12   LoadType="Load pattern"   LoadName=G3-SLD-Z   LoadSF=1
Case=SLE-SIS-13   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-SIS-13   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-SIS-13   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-SIS-13   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-SIS-13   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-SIS-13   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-SIS-13   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
```

```
Case=SLE-SIS-13   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-SIS-13   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-SIS-13   LoadType="Load pattern"   LoadName=G1-SLD-X   LoadSF=.3
Case=SLE-SIS-13   LoadType="Load pattern"   LoadName=G1-SLD-Z   LoadSF=1
Case=SLE-SIS-14   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-SIS-14   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-SIS-14   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-SIS-14   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-SIS-14   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-SIS-14   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-SIS-14   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-SIS-14   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLE-SIS-14   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-SIS-14   LoadType="Load pattern"   LoadName=G1-SLD-X   LoadSF=.3
Case=SLE-SIS-14   LoadType="Load pattern"   LoadName=G1-SLD-Z   LoadSF=1
Case=SLE-SIS-15   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-SIS-15   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-SIS-15   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-SIS-15   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-SIS-15   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-SIS-15   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-SIS-15   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-SIS-15   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-SIS-15   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLE-SIS-15   LoadType="Load pattern"   LoadName=G1-SLD-X   LoadSF=.3
Case=SLE-SIS-15   LoadType="Load pattern"   LoadName=G1-SLD-Z   LoadSF=1
Case=SLE-SIS-16   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLE-SIS-16   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLE-SIS-16   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLE-SIS-16   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLE-SIS-16   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLE-SIS-16   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLE-SIS-16   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLE-SIS-16   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLE-SIS-16   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLE-SIS-16   LoadType="Load pattern"   LoadName=G1-SLD-X   LoadSF=.3
Case=SLE-SIS-16   LoadType="Load pattern"   LoadName=G1-SLD-Z   LoadSF=1
Case=FESS-QP-01   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-01   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-01   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-01   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-QP-01   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-QP-01   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-01   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-01   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-QP-01   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-QP-01   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-QP-02   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-02   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-02   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-02   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-QP-02   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-QP-02   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-02   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-02   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-QP-02   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-QP-02   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-QP-03   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-03   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-03   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-03   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-QP-03   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-QP-03   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-03   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-03   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-QP-03   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-QP-03   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
```

```
Case=FESS-QP-04   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-04   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-04   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-04   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-QP-04   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-QP-04   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-04   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-04   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-QP-04   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-QP-04   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-QP-05   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-05   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-05   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-05   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-QP-05   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-QP-05   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-05   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-05   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-QP-05   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-QP-06   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-06   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-06   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-06   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-QP-06   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-QP-06   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-06   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-06   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-QP-06   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-QP-07   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-07   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-07   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-07   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-QP-07   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-QP-07   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-07   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-07   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-QP-07   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-QP-08   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-08   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-08   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-08   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-QP-08   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-QP-08   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-08   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-08   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-QP-08   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-QP-09   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-09   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-09   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-09   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-QP-09   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-QP-09   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-09   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-09   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-QP-09   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-QP-09   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-QP-10   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-10   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-10   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-10   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-QP-10   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-QP-10   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-10   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-10   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-QP-10   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-QP-10   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-QP-11   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
```

```
Case=FESS-QP-11   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-11   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-11   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-QP-11   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-QP-11   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-11   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-11   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-QP-11   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-QP-11   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-QP-12   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-12   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-12   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-12   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-QP-12   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-QP-12   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-12   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-12   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-QP-12   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-QP-12   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-QP-13   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-13   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-13   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-13   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-QP-13   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-QP-13   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-13   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-13   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-QP-13   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-QP-14   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-14   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-14   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-14   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-QP-14   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-QP-14   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-14   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-14   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-QP-14   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-QP-15   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-15   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-15   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-15   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-QP-15   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-QP-15   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-15   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-15   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-QP-15   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-QP-16   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-16   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-16   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-16   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-QP-16   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-QP-16   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-16   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-16   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-QP-16   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-QP-17   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-17   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-17   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-17   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-QP-17   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-QP-17   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-17   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-17   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-QP-17   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-QP-17   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-QP-18   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-18   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
```

```
Case=FESS-QP-18   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-18   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-QP-18   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-QP-18   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-18   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-18   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-QP-18   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-QP-18   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-QP-19   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-19   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-19   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-19   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-QP-19   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-QP-19   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-19   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-19   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-QP-19   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-QP-19   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-QP-20   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-20   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-20   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-20   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-QP-20   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-QP-20   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-20   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-20   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-QP-20   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-QP-20   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-QP-21   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-21   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-21   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-21   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-QP-21   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-QP-21   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-21   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-21   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-QP-21   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-QP-22   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-22   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-22   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-22   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-QP-22   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-QP-22   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-22   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-22   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-QP-22   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-QP-23   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-23   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-23   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-23   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-QP-23   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-QP-23   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-23   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-23   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-QP-23   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-QP-24   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-24   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-24   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-24   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-QP-24   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-QP-24   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-24   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-24   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-QP-24   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-QP-25   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-25   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-25   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
```

```
Case=FESS-QP-25   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-QP-25   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-QP-25   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-25   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-25   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-QP-25   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-QP-25   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-QP-26   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-26   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-26   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-26   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-QP-26   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-QP-26   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-26   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-26   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-QP-26   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-QP-26   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-QP-27   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-27   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-27   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-27   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-QP-27   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-QP-27   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-27   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-27   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-QP-27   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-QP-27   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-QP-28   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-28   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-28   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-28   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-QP-28   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-QP-28   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-28   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-28   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-QP-28   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-QP-28   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-QP-29   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-29   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-29   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-29   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-QP-29   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-QP-29   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-29   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-29   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-QP-29   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-QP-30   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-30   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-30   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-30   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-QP-30   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-QP-30   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-30   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-30   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-QP-30   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-QP-31   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-31   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-31   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-QP-31   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-QP-31   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-QP-31   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-31   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-31   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-QP-31   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-QP-32   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-QP-32   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-QP-32   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
```

```
Case=FESS-QP-32   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-QP-32   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-QP-32   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-QP-32   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-QP-32   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-QP-32   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-01   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-01   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-01   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-01   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-01   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-01   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-01   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-01   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-01   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=FESS-FR-01   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=FESS-FR-02   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-02   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-02   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-02   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-02   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-02   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-02   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-02   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-02   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=FESS-FR-02   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=FESS-FR-03   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-03   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-03   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-03   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-03   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-03   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-03   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-03   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-03   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=FESS-FR-03   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=FESS-FR-04   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-04   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-04   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-04   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-04   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-04   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-04   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-04   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-04   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=FESS-FR-04   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=FESS-FR-05   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-05   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-05   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-05   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-05   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-05   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-05   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-05   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=FESS-FR-05   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=FESS-FR-06   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-06   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-06   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-06   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-06   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-06   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-06   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-06   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=FESS-FR-06   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=FESS-FR-07   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-07   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-07   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
```

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Case=FESS-FR-07   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-07   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-07   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-07   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-07   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=FESS-FR-07   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=FESS-FR-08   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-08   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-08   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-08   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-08   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-08   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-08   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-08   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=FESS-FR-08   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=FESS-FR-09   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-09   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-09   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-09   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-09   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-09   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-09   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-09   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-09   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=FESS-FR-09   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=FESS-FR-10   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-10   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-10   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-10   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-10   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-10   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-10   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-10   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-10   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=FESS-FR-10   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=FESS-FR-11   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-11   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-11   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-11   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-11   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-11   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-11   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-11   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-11   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=FESS-FR-11   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=FESS-FR-12   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-12   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-12   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-12   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-12   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-12   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-12   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-12   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-12   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=FESS-FR-12   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=FESS-FR-13   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-13   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-13   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-13   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-13   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-13   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-13   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-13   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=FESS-FR-13   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=FESS-FR-14   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-14   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-14   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
```

```
Case=FESS-FR-14   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-14   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-14   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-14   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-14   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=FESS-FR-14   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=FESS-FR-15   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-15   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-15   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-15   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-15   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-15   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-15   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-15   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=FESS-FR-15   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=FESS-FR-16   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-16   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-16   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-16   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-16   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-16   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-16   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-16   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=FESS-FR-16   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=FESS-FR-17   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-17   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-17   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-17   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-17   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-17   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-17   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-17   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-17   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=FESS-FR-17   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=FESS-FR-18   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-18   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-18   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-18   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-18   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-18   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-18   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-18   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-18   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=FESS-FR-18   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=FESS-FR-19   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-19   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-19   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-19   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-19   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-19   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-19   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-19   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-19   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=FESS-FR-19   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=FESS-FR-20   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-20   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-20   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-20   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-20   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-20   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-20   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-20   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-20   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=FESS-FR-20   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=FESS-FR-21   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-21   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-21   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
```

```
Case=FESS-FR-21   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-21   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-21   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-21   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-21   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=FESS-FR-21   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=FESS-FR-22   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-22   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-22   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-22   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-22   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-22   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-22   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-22   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=FESS-FR-22   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=FESS-FR-23   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-23   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-23   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-23   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-23   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-23   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-23   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-23   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=FESS-FR-23   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=FESS-FR-24   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-24   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-24   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-24   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-24   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-24   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-24   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-24   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=FESS-FR-24   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=FESS-FR-25   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-25   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-25   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-25   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-25   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-25   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-25   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-25   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-25   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=FESS-FR-25   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=FESS-FR-26   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-26   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-26   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-26   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-26   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-26   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-26   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-26   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-26   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=FESS-FR-26   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=FESS-FR-27   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-27   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-27   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-27   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-27   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-27   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-27   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-27   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-27   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=FESS-FR-27   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=FESS-FR-28   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-28   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-28   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-28   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
```

```
Case=FESS-FR-28   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-28   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-28   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-28   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-28   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=FESS-FR-28   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=FESS-FR-29   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-29   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-29   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-29   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-29   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-29   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-29   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-29   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=FESS-FR-29   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=FESS-FR-30   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-30   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-30   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-30   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-30   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-30   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-30   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-30   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=FESS-FR-30   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=FESS-FR-31   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-31   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-31   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-31   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-31   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-31   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-31   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-31   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=FESS-FR-31   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=FESS-FR-32   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-32   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-32   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-32   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-32   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-32   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-32   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-32   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=FESS-FR-32   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=FESS-FR-33   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-33   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-33   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-33   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-33   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-33   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-33   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-33   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-33   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-33   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-33   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-33   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=FESS-FR-33   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-33   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-34   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-34   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-34   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-34   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-34   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-34   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-34   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-34   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-34   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-34   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-34   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
```

```
Case=FESS-FR-34   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=FESS-FR-34   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-34   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-35   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-35   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-35   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-35   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-35   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-35   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-35   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-35   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-35   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-35   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-35   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-35   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=FESS-FR-35   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-35   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-36   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-36   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-36   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-36   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-36   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-36   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-36   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-36   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-36   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-36   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-36   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-36   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=FESS-FR-36   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-36   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-37   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-37   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-37   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-37   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-37   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-37   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-37   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-37   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-37   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-37   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-37   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-37   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-37   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-38   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-38   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-38   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-38   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-38   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-38   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-38   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-38   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-38   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-38   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-38   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-38   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-38   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-39   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-39   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-39   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-39   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-39   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-39   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-39   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-39   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-39   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-39   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
```

```
Case=FESS-FR-39   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-39   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-39   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-40   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-40   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-40   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-40   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-40   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-40   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-40   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-40   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-40   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-40   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-40   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-40   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-40   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-41   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-41   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-41   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-41   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-41   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-41   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-41   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-41   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-41   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-41   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=FESS-FR-41   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-41   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-42   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-42   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-42   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-42   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-42   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-42   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-42   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-42   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-42   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-42   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=FESS-FR-42   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-42   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-43   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-43   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-43   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-43   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-43   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-43   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-43   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-43   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-43   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-43   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=FESS-FR-43   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-43   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-44   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-44   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-44   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-44   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-44   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-44   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-44   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-44   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-44   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-44   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.75
Case=FESS-FR-44   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-44   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-45   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-45   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-45   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
```

```
Case=FESS-FR-45   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-45   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-45   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-45   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-45   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-45   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-45   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-45   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-46   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-46   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-46   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-46   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-46   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-46   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-46   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-46   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-46   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-46   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-46   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-47   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-47   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-47   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-47   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-47   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-47   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-47   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-47   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-47   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-47   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-47   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-48   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-48   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-48   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-48   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-48   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=FESS-FR-48   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-48   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-48   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-48   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-48   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-48   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-49   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-49   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-49   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-49   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-49   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-49   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-49   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-49   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-49   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-49   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-49   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-49   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=FESS-FR-49   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-49   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-50   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-50   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-50   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-50   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-50   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-50   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-50   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-50   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-50   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-50   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-50   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-50   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
```

```
Case=FESS-FR-50   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-50   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-51   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-51   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-51   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-51   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-51   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-51   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-51   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-51   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-51   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-51   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-51   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-51   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=FESS-FR-51   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-51   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-52   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-52   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-52   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-52   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-52   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-52   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-52   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-52   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-52   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-52   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-52   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-52   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=FESS-FR-52   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-52   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-53   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-53   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-53   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-53   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-53   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-53   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-53   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-53   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-53   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-53   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-53   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-53   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-53   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-54   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-54   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-54   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-54   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-54   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-54   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-54   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-54   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-54   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-54   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-54   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-54   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-54   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-55   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-55   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-55   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-55   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-55   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-55   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-55   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-55   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-55   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-55   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-55   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
```

```
Case=FESS-FR-55   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-55   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-56   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-56   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-56   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-56   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-56   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-56   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-56   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-56   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-56   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-56   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-56   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-56   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-56   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-57   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-57   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-57   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-57   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-57   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-57   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-57   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-57   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-57   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-57   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=FESS-FR-57   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-57   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-58   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-58   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-58   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-58   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-58   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-58   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-58   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-58   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-58   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-58   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=FESS-FR-58   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-58   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-59   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-59   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-59   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-59   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-59   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-59   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-59   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-59   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-59   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-59   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=FESS-FR-59   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-59   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-60   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-60   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-60   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-60   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-60   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-60   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-60   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-60   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-60   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-60   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.375
Case=FESS-FR-60   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-60   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-61   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-61   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-61   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-61   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
```

```
Case=FESS-FR-61   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-61   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-61   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-61   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-61   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-61   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-61   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-62   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-62   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-62   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-62   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-62   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-62   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-62   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-62   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-62   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-62   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-62   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-63   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-63   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-63   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-63   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-63   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-63   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-63   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-63   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-63   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-63   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-63   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-64   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-64   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-64   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-64   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=FESS-FR-64   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=FESS-FR-64   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-64   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-64   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-64   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.75
Case=FESS-FR-64   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-64   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-65   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-65   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-65   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-65   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-65   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-65   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-65   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-65   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-65   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-65   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-65   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-65   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=FESS-FR-65   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-65   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-66   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-66   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-66   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-66   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-66   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-66   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-66   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-66   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-66   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-66   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-66   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-66   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=FESS-FR-66   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
```

```
Case=FESS-FR-66   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-67   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-67   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-67   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-67   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-67   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-67   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-67   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-67   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-67   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-67   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-67   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-67   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=FESS-FR-67   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-67   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-68   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-68   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-68   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-68   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-68   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-68   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-68   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-68   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-68   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-68   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-68   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-68   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=FESS-FR-68   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-68   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-69   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-69   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-69   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-69   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-69   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-69   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-69   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-69   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-69   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-69   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-69   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-69   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-69   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-70   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-70   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-70   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-70   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-70   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-70   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-70   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-70   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-70   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-70   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-70   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-70   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-70   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-71   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-71   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-71   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-71   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-71   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-71   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-71   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-71   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-71   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-71   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-71   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-71   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
```

```
Case=FESS-FR-71   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-72   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-72   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-72   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-72   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-72   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-72   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-72   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-72   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-72   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-72   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-72   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-72   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-72   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-73   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-73   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-73   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-73   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-73   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-73   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-73   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-73   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-73   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-73   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=FESS-FR-73   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-73   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-74   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-74   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-74   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-74   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-74   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-74   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-74   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-74   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-74   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-74   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=FESS-FR-74   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-74   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-75   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-75   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-75   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-75   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-75   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-75   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-75   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-75   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-75   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-75   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=FESS-FR-75   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-75   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-76   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-76   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-76   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-76   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-76   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-76   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-76   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-76   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-76   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-76   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.75
Case=FESS-FR-76   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-76   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-77   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-77   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-77   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-77   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-77   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
```

```
Case=FESS-FR-77   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-77   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-77   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-77   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-77   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-77   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-78   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-78   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-78   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-78   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-78   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-78   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-78   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-78   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-78   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-78   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-78   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-79   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-79   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-79   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-79   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-79   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-79   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-79   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-79   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-79   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-79   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-79   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-80   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-80   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-80   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-80   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-80   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=FESS-FR-80   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-80   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-80   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-80   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-80   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-80   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-81   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-81   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-81   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-81   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-81   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-81   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-81   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-81   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-81   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-81   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-81   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-81   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=FESS-FR-81   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-81   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-82   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-82   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-82   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-82   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-82   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-82   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-82   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-82   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-82   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-82   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-82   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-82   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=FESS-FR-82   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-82   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
```

```
Case=FESS-FR-83   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-83   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-83   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-83   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-83   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-83   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-83   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-83   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-83   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-83   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-83   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-83   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=FESS-FR-83   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-83   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-84   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-84   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-84   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-84   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-84   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-84   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-84   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-84   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-84   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-84   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-84   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-84   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=FESS-FR-84   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-84   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-85   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-85   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-85   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-85   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-85   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-85   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-85   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-85   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-85   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-85   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-85   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-85   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-85   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-86   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-86   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-86   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-86   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-86   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-86   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-86   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-86   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-86   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-86   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-86   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-86   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-86   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-87   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-87   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-87   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-87   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-87   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-87   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-87   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-87   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-87   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-87   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-87   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-87   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-87   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
```

```
Case=FESS-FR-88   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-88   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-88   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-88   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-88   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-88   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-88   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-88   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=FESS-FR-88   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.75
Case=FESS-FR-88   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-88   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-88   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-88   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-89   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-89   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-89   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-89   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-89   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-89   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-89   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-89   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-89   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-89   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=FESS-FR-89   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-89   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-90   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-90   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-90   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-90   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-90   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-90   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-90   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-90   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-90   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-90   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=FESS-FR-90   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-90   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-91   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-91   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-91   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-91   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-91   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-91   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-91   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-91   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-91   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-91   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=FESS-FR-91   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-91   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-92   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-92   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-92   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-92   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-92   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-92   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-92   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-92   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-92   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-92   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.375
Case=FESS-FR-92   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-92   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-93   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-93   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-93   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-93   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-93   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-93   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
```

```
Case=FESS-FR-93   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-93   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-93   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-93   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-93   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-94   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-94   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-94   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-94   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-94   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-94   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-94   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-94   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-94   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-94   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=FESS-FR-94   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=FESS-FR-95   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-95   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-95   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-95   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-95   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-95   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-95   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-95   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-95   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-95   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-95   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=FESS-FR-96   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=FESS-FR-96   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=FESS-FR-96   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=FESS-FR-96   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=FESS-FR-96   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=FESS-FR-96   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=FESS-FR-96   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=FESS-FR-96   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.75
Case=FESS-FR-96   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.75
Case=FESS-FR-96   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=FESS-FR-96   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLU-STR-001   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-001   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-001   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-001   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-001   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-001   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-001   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-001   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-001   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-001   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-002   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-002   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-002   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-002   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-002   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-002   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-002   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-002   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-002   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-002   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-003   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-003   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-003   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-003   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-003   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-003   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-003   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-003   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-003   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
```

```
Case=SLU-STR-003   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-004   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-004   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-004   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-004   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-004   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-004   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-004   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-004   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-004   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-004   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-005   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-005   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-005   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-005   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-005   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-005   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-005   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-005   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-005   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-006   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-006   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-006   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-006   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-006   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-006   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-006   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-006   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-006   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-007   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-007   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-007   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-007   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-007   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-007   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-007   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-007   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-007   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-008   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-008   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-008   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-008   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-008   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-008   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-008   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-008   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-008   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-009   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-009   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-009   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-009   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-009   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-009   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-009   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-009   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-009   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-009   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-009   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-009   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.0125
Case=SLU-STR-009   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-009   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-010   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-010   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-010   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-010   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-010   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-010   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
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```
Case=SLU-STR-010   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-010   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-010   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-010   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-010   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-010   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.0125
Case=SLU-STR-010   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-010   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-011   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-011   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-011   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-011   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-011   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-011   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-011   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-011   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-011   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-011   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-011   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-011   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.0125
Case=SLU-STR-011   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-011   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-012   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-012   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-012   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-012   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-012   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-012   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-012   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-012   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-012   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-012   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-012   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-012   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.0125
Case=SLU-STR-012   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-012   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-013   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-013   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-013   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-013   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-013   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-013   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-013   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-013   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-013   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-013   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-013   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-013   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-013   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-014   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-014   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-014   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-014   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-014   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-014   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-014   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-014   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-014   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-014   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-014   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-014   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-014   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-015   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-015   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-015   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-015   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-015   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
```

```
Case=SLU-STR-015   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-015   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-015   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-015   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-015   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-015   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-015   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-015   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-016   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-016   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-016   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-016   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-016   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-016   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-016   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-016   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-016   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-016   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-016   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-016   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-016   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-017   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-017   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-017   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-017   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-017   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-017   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-017   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-017   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-017   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-017   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.0125
Case=SLU-STR-017   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-017   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-018   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-018   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-018   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-018   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-018   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-018   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-018   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-018   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-018   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-018   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.0125
Case=SLU-STR-018   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-018   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-019   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-019   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-019   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-019   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-019   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-019   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-019   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-019   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-019   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-019   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.0125
Case=SLU-STR-019   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-019   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-020   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-020   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-020   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-020   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-020   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-020   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-020   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-020   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-020   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-020   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.0125
```

```
Case=SLU-STR-020   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-020   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-021   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-021   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-021   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-021   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-021   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-021   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-021   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-021   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-021   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-021   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-021   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-022   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-022   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-022   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-022   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-022   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-022   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-022   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-022   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-022   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-022   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-022   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-023   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-023   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-023   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-023   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-023   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-023   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-023   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-023   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-023   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-023   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-023   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-024   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-024   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-024   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-024   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-024   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-024   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-024   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-024   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-024   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-024   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-024   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-025   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-025   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-025   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-025   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-025   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-025   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-025   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-025   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-025   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-025   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-026   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-026   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-026   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-026   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-026   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-026   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-026   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-026   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-026   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-026   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-027   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
```

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Case=SLU-STR-027   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-027   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-027   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-027   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-027   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-027   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-027   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-027   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-027   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-028   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-028   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-028   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-028   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-028   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-028   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-028   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-028   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-028   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-028   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-029   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-029   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-029   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-029   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-029   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-029   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-029   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-029   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-029   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-030   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-030   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-030   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-030   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-030   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-030   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-030   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-030   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-030   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-031   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-031   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-031   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-031   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-031   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-031   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-031   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-031   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-031   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-032   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-032   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-032   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-032   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-032   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-032   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-032   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-032   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-032   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-033   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-033   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-033   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-033   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-033   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-033   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-033   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-033   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-033   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-033   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-033   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-033   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.50625
```

```
Case=SLU-STR-033   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-033   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-034   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-034   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-034   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-034   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-034   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-034   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-034   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-034   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-034   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-034   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-034   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-034   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.50625
Case=SLU-STR-034   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-034   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-035   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-035   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-035   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-035   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-035   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-035   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-035   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-035   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-035   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-035   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-035   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-035   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.50625
Case=SLU-STR-035   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-035   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-036   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-036   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-036   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-036   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-036   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-036   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-036   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-036   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-036   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-036   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-036   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-036   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.50625
Case=SLU-STR-036   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-036   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-037   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-037   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-037   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-037   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-037   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-037   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-037   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-037   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-037   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-037   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-037   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-037   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-037   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-038   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-038   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-038   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-038   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-038   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-038   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-038   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-038   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-038   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-038   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
```

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Case=SLU-STR-038   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-038   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-038   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-039   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-039   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-039   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-039   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-039   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-039   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-039   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-039   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-039   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-039   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-039   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-039   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-039   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-040   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-040   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-040   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-040   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-040   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-040   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-040   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-040   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-040   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-040   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-040   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-040   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-040   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-041   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-041   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-041   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-041   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-041   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-041   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-041   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-041   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-041   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-041   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.50625
Case=SLU-STR-041   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-041   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-042   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-042   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-042   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-042   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-042   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-042   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-042   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-042   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-042   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-042   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.50625
Case=SLU-STR-042   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-042   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-043   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-043   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-043   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-043   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-043   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-043   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-043   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-043   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-043   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-043   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.50625
Case=SLU-STR-043   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-043   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-044   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-044   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
```

```
Case=SLU-STR-044   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-044   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-044   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-044   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-044   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-044   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-044   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-044   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.50625
Case=SLU-STR-044   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-044   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-045   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-045   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-045   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-045   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-045   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-045   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-045   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-045   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-045   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-045   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-045   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-046   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-046   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-046   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-046   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-046   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-046   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-046   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-046   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-046   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-046   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-046   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-047   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-047   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-047   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-047   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-047   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-047   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-047   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-047   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-047   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-047   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-047   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-048   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-048   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-048   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-048   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-048   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-048   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-048   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-048   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-048   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.0125
Case=SLU-STR-048   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-048   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-049   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-049   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-049   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-049   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-049   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-049   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-049   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-049   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-049   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-049   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-050   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-050   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-050   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
```

```
Case=SLU-STR-050   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-050   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-050   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-050   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-050   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-050   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-050   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-051   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-051   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-051   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-051   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-051   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-051   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-051   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-051   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-051   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-051   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-052   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-052   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-052   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-052   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-052   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-052   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-052   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-052   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-052   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-052   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-053   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-053   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-053   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-053   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-053   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-053   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-053   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-053   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-053   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-054   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-054   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-054   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-054   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-054   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-054   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-054   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-054   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-054   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-055   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-055   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-055   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-055   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-055   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-055   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-055   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-055   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-055   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-056   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-056   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-056   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-056   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-056   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-056   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-056   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-056   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-056   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-057   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-057   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-057   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-057   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
```

```
Case=SLU-STR-057   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-057   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-057   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-057   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-057   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-057   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-057   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-057   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.0125
Case=SLU-STR-057   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-057   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-058   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-058   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-058   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-058   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-058   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-058   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-058   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-058   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-058   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-058   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-058   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-058   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.0125
Case=SLU-STR-058   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-058   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-059   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-059   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-059   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-059   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-059   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-059   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-059   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-059   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-059   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-059   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-059   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-059   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.0125
Case=SLU-STR-059   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-059   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-060   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-060   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-060   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-060   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-060   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-060   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-060   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-060   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-060   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-060   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-060   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-060   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.0125
Case=SLU-STR-060   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-060   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-061   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-061   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-061   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-061   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-061   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-061   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-061   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-061   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-061   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-061   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-061   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-061   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-061   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-062   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-062   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
```

```
Case=SLU-STR-062   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-062   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-062   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-062   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-062   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-062   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-062   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-062   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-062   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-062   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-062   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-063   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-063   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-063   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-063   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-063   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-063   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-063   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-063   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-063   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-063   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-063   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-063   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-063   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-064   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-064   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-064   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-064   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-064   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-064   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-064   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-064   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-064   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-064   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-064   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-064   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-064   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-065   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-065   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-065   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-065   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-065   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-065   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-065   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-065   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-065   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-065   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.0125
Case=SLU-STR-065   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-065   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-066   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-066   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-066   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-066   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-066   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-066   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-066   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-066   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-066   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-066   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.0125
Case=SLU-STR-066   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-066   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-067   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-067   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-067   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-067   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-067   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-067   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
```

```
Case=SLU-STR-067   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1.35
Case=SLU-STR-067   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=1.0125
Case=SLU-STR-067   LoadType="Load pattern"   LoadName=SPAKa-SX    LoadSF=1.0125
Case=SLU-STR-067   LoadType="Load pattern"   LoadName=SPAKa-DX    LoadSF=1.0125
Case=SLU-STR-067   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-1.2
Case=SLU-STR-067   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=1.2
Case=SLU-STR-068   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1.35
Case=SLU-STR-068   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1.35
Case=SLU-STR-068   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1.35
Case=SLU-STR-068   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1.35
Case=SLU-STR-068   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=1.35
Case=SLU-STR-068   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1.35
Case=SLU-STR-068   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1.35
Case=SLU-STR-068   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=1.0125
Case=SLU-STR-068   LoadType="Load pattern"   LoadName=SPAKa-SX    LoadSF=1.0125
Case=SLU-STR-068   LoadType="Load pattern"   LoadName=SPAKa-DX    LoadSF=1.0125
Case=SLU-STR-068   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-1.2
Case=SLU-STR-068   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-1.2
Case=SLU-STR-069   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1.35
Case=SLU-STR-069   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1.35
Case=SLU-STR-069   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1.35
Case=SLU-STR-069   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1.35
Case=SLU-STR-069   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=1.35
Case=SLU-STR-069   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1.35
Case=SLU-STR-069   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1.35
Case=SLU-STR-069   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=1.0125
Case=SLU-STR-069   LoadType="Load pattern"   LoadName=SPAKa-SX    LoadSF=1.0125
Case=SLU-STR-069   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=1.2
Case=SLU-STR-069   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=1.2
Case=SLU-STR-070   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1.35
Case=SLU-STR-070   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1.35
Case=SLU-STR-070   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1.35
Case=SLU-STR-070   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1.35
Case=SLU-STR-070   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=1.35
Case=SLU-STR-070   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1.35
Case=SLU-STR-070   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1.35
Case=SLU-STR-070   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=1.0125
Case=SLU-STR-070   LoadType="Load pattern"   LoadName=SPAKa-SX    LoadSF=1.0125
Case=SLU-STR-070   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=1.2
Case=SLU-STR-070   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-1.2
Case=SLU-STR-071   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1.35
Case=SLU-STR-071   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1.35
Case=SLU-STR-071   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1.35
Case=SLU-STR-071   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1.35
Case=SLU-STR-071   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=1.35
Case=SLU-STR-071   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1.35
Case=SLU-STR-071   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1.35
Case=SLU-STR-071   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=1.0125
Case=SLU-STR-071   LoadType="Load pattern"   LoadName=SPAKa-SX    LoadSF=1.0125
Case=SLU-STR-071   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-1.2
Case=SLU-STR-071   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=1.2
Case=SLU-STR-072   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1.35
Case=SLU-STR-072   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1.35
Case=SLU-STR-072   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1.35
Case=SLU-STR-072   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1.35
Case=SLU-STR-072   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=1.35
Case=SLU-STR-072   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1.35
Case=SLU-STR-072   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1.35
Case=SLU-STR-072   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=1.0125
Case=SLU-STR-072   LoadType="Load pattern"   LoadName=SPAKa-SX    LoadSF=1.0125
Case=SLU-STR-072   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-1.2
Case=SLU-STR-072   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-1.2
Case=SLU-STR-073   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1.35
Case=SLU-STR-073   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1.35
Case=SLU-STR-073   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1.35
Case=SLU-STR-073   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1.35
Case=SLU-STR-073   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=.675
```

```
Case=SLU-STR-073   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-073   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-073   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-073   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-073   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-074   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-074   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-074   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-074   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-074   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-074   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-074   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-074   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-074   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-074   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-075   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-075   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-075   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-075   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-075   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-075   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-075   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-075   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-075   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-075   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-076   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-076   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-076   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-076   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-076   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-076   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-076   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-076   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-076   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-076   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-077   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-077   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-077   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-077   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-077   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-077   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-077   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-077   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-077   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-078   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-078   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-078   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-078   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-078   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-078   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-078   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-078   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-078   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-079   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-079   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-079   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-079   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-079   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-079   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-079   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-079   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-079   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-080   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-080   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-080   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-080   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-080   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
```

```
Case=SLU-STR-080   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-080   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-080   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-080   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-081   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-081   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-081   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-081   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-081   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-081   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-081   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-081   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-081   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-081   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-081   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-081   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.50625
Case=SLU-STR-081   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-081   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-082   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-082   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-082   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-082   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-082   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-082   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-082   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-082   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-082   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-082   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-082   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-082   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.50625
Case=SLU-STR-082   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-082   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-083   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-083   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-083   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-083   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-083   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-083   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-083   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-083   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-083   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-083   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-083   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-083   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.50625
Case=SLU-STR-083   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-083   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-084   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-084   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-084   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-084   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-084   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-084   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-084   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-084   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-084   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-084   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-084   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-084   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.50625
Case=SLU-STR-084   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-084   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-085   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-085   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-085   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-085   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-085   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-085   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-085   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
```

```
Case=SLU-STR-085   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-085   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-085   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-085   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-085   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-085   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-086   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-086   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-086   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-086   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-086   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-086   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-086   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-086   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-086   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-086   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-086   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-086   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-086   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-087   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-087   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-087   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-087   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-087   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-087   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-087   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-087   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-087   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-087   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-087   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-087   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-087   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-088   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-088   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-088   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-088   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-088   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-088   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-088   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-088   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-088   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.0125
Case=SLU-STR-088   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-088   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-088   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-088   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-089   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-089   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-089   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-089   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-089   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-089   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-089   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-089   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-089   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-089   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.50625
Case=SLU-STR-089   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-089   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-090   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-090   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-090   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-090   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-090   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-090   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-090   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-090   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-090   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-090   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.50625
```

```
Case=SLU-STR-090   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-090   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-091   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-091   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-091   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-091   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-091   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-091   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-091   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-091   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-091   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-091   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.50625
Case=SLU-STR-091   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-091   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-092   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-092   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-092   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-092   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-092   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-092   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-092   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-092   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-092   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-092   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.50625
Case=SLU-STR-092   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-092   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-093   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-093   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-093   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-093   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-093   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-093   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-093   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-093   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-093   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-093   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-093   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-094   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-094   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-094   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-094   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-094   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-094   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-094   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-094   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-094   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-094   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1.2
Case=SLU-STR-094   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-095   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-095   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-095   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-095   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-095   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-095   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-095   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-095   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
Case=SLU-STR-095   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-095   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-095   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1.2
Case=SLU-STR-096   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-096   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-096   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-096   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-096   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-096   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-096   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-096   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.0125
```

```
Case=SLU-STR-096   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.0125
Case=SLU-STR-096   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1.2
Case=SLU-STR-096   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1.2
Case=SLU-STR-097   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-097   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-097   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-097   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-097   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-097   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-097   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-097   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-097   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-097   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-097   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-097   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-097   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.35
Case=SLU-STR-097   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-097   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-098   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-098   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-098   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-098   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-098   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-098   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-098   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-098   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-098   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-098   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-098   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-098   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-098   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.35
Case=SLU-STR-098   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-098   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-099   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-099   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-099   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-099   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-099   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-099   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-099   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-099   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-099   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-099   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-099   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-099   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-099   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.35
Case=SLU-STR-099   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-099   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-100   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-100   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-100   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-100   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-100   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-100   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-100   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-100   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-100   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-100   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-100   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-100   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-100   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.35
Case=SLU-STR-100   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-100   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-101   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-101   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-101   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-101   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
```

```
Case=SLU-STR-101   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-101   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-101   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-101   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-101   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-101   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-101   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-101   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-101   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-101   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-102   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-102   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-102   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-102   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-102   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-102   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-102   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-102   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-102   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-102   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-102   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-102   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-102   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-102   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-103   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-103   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-103   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-103   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-103   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-103   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-103   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-103   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-103   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-103   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-103   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-103   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-103   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-103   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-104   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-104   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-104   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-104   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-104   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-104   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-104   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-104   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-104   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-104   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-104   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-104   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-104   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-104   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-105   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-105   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-105   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-105   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-105   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-105   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-105   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-105   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-105   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-105   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-105   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.35
Case=SLU-STR-105   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-105   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-106   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-106   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
```

```
Case=SLU-STR-106   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-106   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-106   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-106   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-106   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-106   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-106   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-106   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-106   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.35
Case=SLU-STR-106   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-106   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-107   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-107   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-107   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-107   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-107   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-107   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-107   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-107   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-107   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-107   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-107   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.35
Case=SLU-STR-107   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-107   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-108   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-108   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-108   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-108   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-108   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-108   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-108   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-108   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-108   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-108   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-108   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.35
Case=SLU-STR-108   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-108   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-109   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-109   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-109   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-109   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-109   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-109   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-109   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-109   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-109   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-109   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-109   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-109   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-110   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-110   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-110   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-110   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-110   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-110   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-110   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-110   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-110   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-110   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-110   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-110   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-111   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-111   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-111   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-111   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-111   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-111   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
```

```
Case=SLU-STR-111   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-111   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-111   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-111   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-111   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-111   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-112   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-112   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-112   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-112   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-112   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1.35
Case=SLU-STR-112   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-112   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-112   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-112   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-112   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-112   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-112   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-113   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-113   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-113   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-113   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-113   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-113   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-113   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-113   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-113   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-113   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-113   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-113   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-113   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.675
Case=SLU-STR-113   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-113   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-114   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-114   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-114   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-114   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-114   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-114   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-114   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-114   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-114   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-114   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-114   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-114   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-114   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.675
Case=SLU-STR-114   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-114   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-115   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-115   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-115   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-115   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-115   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-115   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-115   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-115   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-115   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-115   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-115   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-115   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-115   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.675
Case=SLU-STR-115   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-115   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-116   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-116   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-116   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-116   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
```

```
Case=SLU-STR-116   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-116   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-116   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-116   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-116   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-116   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-116   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-116   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-116   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.675
Case=SLU-STR-116   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-116   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-117   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-117   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-117   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-117   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-117   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-117   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-117   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-117   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-117   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-117   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-117   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-117   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-117   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-117   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-118   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-118   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-118   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-118   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-118   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-118   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-118   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-118   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-118   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-118   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-118   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-118   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-118   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-118   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-119   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-119   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-119   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-119   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-119   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-119   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-119   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-119   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-119   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-119   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-119   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-119   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-119   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-119   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-120   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-120   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-120   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-120   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-120   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-120   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-120   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-120   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-120   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-120   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-120   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-120   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-120   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-120   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
```

```
Case=SLU-STR-121   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-121   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-121   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-121   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-121   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-121   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-121   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-121   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-121   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-121   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-121   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.675
Case=SLU-STR-121   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-121   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-122   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-122   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-122   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-122   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-122   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-122   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-122   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-122   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-122   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-122   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-122   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.675
Case=SLU-STR-122   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-122   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-123   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-123   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-123   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-123   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-123   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-123   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-123   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-123   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-123   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-123   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-123   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.675
Case=SLU-STR-123   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-123   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-124   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-124   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-124   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-124   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-124   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-124   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-124   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-124   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-124   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-124   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-124   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.675
Case=SLU-STR-124   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-124   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-125   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-125   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-125   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-125   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-125   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-125   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-125   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-125   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-125   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-125   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-125   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-125   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-126   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-126   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-126   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
```

```
Case=SLU-STR-126   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-126   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-126   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-126   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-126   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-126   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-126   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-126   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-126   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-127   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-127   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-127   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-127   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-127   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-127   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-127   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-127   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-127   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-127   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-127   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-127   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-128   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-128   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-128   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-128   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1.35
Case=SLU-STR-128   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.675
Case=SLU-STR-128   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-128   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-128   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-128   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-128   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.35
Case=SLU-STR-128   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-128   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-129   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-129   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-129   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-129   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-129   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-129   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-129   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-129   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-129   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-129   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-129   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-129   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-129   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.35
Case=SLU-STR-129   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-129   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-130   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-130   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-130   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-130   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-130   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-130   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-130   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-130   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-130   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-130   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-130   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-130   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-130   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.35
Case=SLU-STR-130   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-130   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-131   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-131   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-131   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-131   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
```

```
Case=SLU-STR-131   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-131   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-131   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-131   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-131   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-131   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-131   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-131   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-131   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.35
Case=SLU-STR-131   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-131   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-132   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-132   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-132   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-132   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-132   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-132   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-132   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-132   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-132   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-132   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-132   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-132   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-132   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.35
Case=SLU-STR-132   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-132   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-133   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-133   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-133   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-133   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-133   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-133   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-133   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-133   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-133   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-133   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-133   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-133   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-133   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-133   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-134   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-134   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-134   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-134   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-134   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-134   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-134   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-134   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-134   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-134   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-134   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-134   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-134   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-134   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-135   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-135   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-135   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-135   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-135   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-135   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-135   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-135   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-135   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-135   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-135   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-135   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-135   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
```

```
Case=SLU-STR-135   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-136   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-136   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-136   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-136   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-136   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-136   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-136   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-136   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-136   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-136   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-136   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-136   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-136   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-136   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-137   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-137   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-137   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-137   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-137   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-137   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-137   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-137   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-137   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-137   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-137   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.35
Case=SLU-STR-137   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-137   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-138   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-138   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-138   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-138   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-138   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-138   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-138   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-138   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-138   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-138   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-138   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.35
Case=SLU-STR-138   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-138   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-139   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-139   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-139   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-139   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-139   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-139   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-139   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-139   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-139   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-139   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-139   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.35
Case=SLU-STR-139   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-139   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-140   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-140   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-140   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-140   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-140   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-140   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-140   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-140   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-140   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-140   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-140   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.35
Case=SLU-STR-140   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-140   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
```

```
Case=SLU-STR-141   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-141   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-141   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-141   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-141   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-141   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-141   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-141   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-141   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-141   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-141   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-141   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-142   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-142   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-142   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-142   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-142   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-142   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-142   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-142   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-142   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-142   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-142   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-142   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-143   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-143   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-143   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-143   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-143   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-143   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-143   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-143   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-143   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-143   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-143   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-143   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-144   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-144   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-144   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-144   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-144   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1.35
Case=SLU-STR-144   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-144   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-144   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-144   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-144   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-144   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-144   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-145   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-145   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-145   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-145   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-145   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-145   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-145   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-145   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-145   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-145   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-145   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-145   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-145   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.675
Case=SLU-STR-145   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-145   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-146   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-146   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-146   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-146   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
```

```
Case=SLU-STR-146   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-146   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-146   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-146   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-146   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-146   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-146   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-146   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-146   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.675
Case=SLU-STR-146   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-146   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-147   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-147   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-147   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-147   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-147   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-147   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-147   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-147   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-147   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-147   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-147   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-147   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-147   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.675
Case=SLU-STR-147   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-147   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-148   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-148   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-148   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-148   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-148   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-148   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-148   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-148   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-148   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-148   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-148   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-148   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-148   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.675
Case=SLU-STR-148   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-148   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-149   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-149   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-149   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-149   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-149   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-149   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-149   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-149   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-149   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-149   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-149   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-149   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-149   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-149   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-150   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-150   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-150   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-150   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-150   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-150   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-150   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-150   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-150   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-150   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-150   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-150   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
```

```
Case=SLU-STR-150   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-150   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-151   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-151   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-151   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-151   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-151   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-151   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-151   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-151   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-151   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-151   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-151   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-151   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-151   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-151   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-152   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-152   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-152   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-152   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-152   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-152   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-152   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-152   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.5
Case=SLU-STR-152   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.35
Case=SLU-STR-152   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-152   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-152   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-152   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-152   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-153   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-153   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-153   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-153   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-153   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-153   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-153   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-153   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-153   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-153   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-153   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.675
Case=SLU-STR-153   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-153   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-154   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-154   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-154   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-154   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-154   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-154   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-154   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-154   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-154   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-154   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-154   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.675
Case=SLU-STR-154   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-154   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-155   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-155   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-155   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-155   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-155   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-155   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-155   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-155   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-155   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-155   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-155   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.675
```

```
Case=SLU-STR-155   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-155   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-156   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-156   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-156   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-156   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-156   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-156   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-156   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-156   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-156   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-156   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-156   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.675
Case=SLU-STR-156   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-156   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-157   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-157   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-157   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-157   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-157   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-157   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-157   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-157   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-157   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-157   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-157   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-157   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-158   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-158   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-158   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-158   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-158   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-158   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-158   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-158   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-158   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-158   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-158   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.72
Case=SLU-STR-158   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-STR-159   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-159   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-159   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-159   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-159   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-159   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-159   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-159   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-159   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-159   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-159   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-159   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.72
Case=SLU-STR-160   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1.35
Case=SLU-STR-160   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1.35
Case=SLU-STR-160   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1.35
Case=SLU-STR-160   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1.35
Case=SLU-STR-160   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.675
Case=SLU-STR-160   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1.35
Case=SLU-STR-160   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1.35
Case=SLU-STR-160   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.35
Case=SLU-STR-160   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.35
Case=SLU-STR-160   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.35
Case=SLU-STR-160   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.72
Case=SLU-STR-160   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.72
Case=SLU-GEO-001   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-001   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-001   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-001   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
```

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Case=SLU-GEO-001   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-001   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-001   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-001   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-001   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-001   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-002   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-002   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-002   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-002   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-002   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-002   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-002   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-002   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-002   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-002   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-003   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-003   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-003   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-003   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-003   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-003   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-003   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-003   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-003   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-003   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-004   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-004   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-004   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-004   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-004   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-004   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-004   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-004   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-004   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-004   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-005   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-005   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-005   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-005   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-005   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-005   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-005   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-005   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-005   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-006   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-006   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-006   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-006   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-006   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-006   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-006   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-006   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-006   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-007   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-007   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-007   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-007   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-007   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-007   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-007   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-007   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-007   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-008   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-008   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-008   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-008   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
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Case=SLU-GEO-008   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-008   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-008   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-008   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-008   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-009   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-009   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-009   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-009   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-009   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-009   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-009   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-009   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-009   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-009   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-009   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-009   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.8625
Case=SLU-GEO-009   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-009   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-010   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-010   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-010   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-010   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-010   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-010   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-010   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-010   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-010   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-010   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-010   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-010   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.8625
Case=SLU-GEO-010   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-010   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-011   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-011   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-011   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-011   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-011   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-011   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-011   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-011   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-011   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-011   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-011   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-011   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.8625
Case=SLU-GEO-011   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-011   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-012   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-012   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-012   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-012   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-012   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-012   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-012   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-012   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-012   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-012   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-012   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-012   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.8625
Case=SLU-GEO-012   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-012   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-013   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-013   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-013   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-013   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-013   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-013   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
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Case=SLU-GEO-013   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-013   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-013   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-013   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-013   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-013   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-013   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-014   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-014   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-014   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-014   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-014   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-014   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-014   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-014   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-014   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-014   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-014   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-014   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-014   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-015   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-015   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-015   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-015   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-015   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-015   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-015   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-015   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-015   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-015   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-015   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-015   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-015   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-016   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-016   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-016   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-016   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-016   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-016   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-016   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-016   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-016   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-016   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-016   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-016   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-016   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-017   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-017   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-017   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-017   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-017   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-017   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-017   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-017   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-017   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-017   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.8625
Case=SLU-GEO-017   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-017   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-018   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-018   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-018   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-018   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-018   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-018   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-018   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-018   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-018   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
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Case=SLU-GEO-018	LoadType="Load pattern"	LoadName=SPA-DX	LoadSF=.8625
Case=SLU-GEO-018	LoadType="Load pattern"	LoadName=TEMPUNI	LoadSF=1
Case=SLU-GEO-018	LoadType="Load pattern"	LoadName=TEMPVAR	LoadSF=-1
Case=SLU-GEO-019	LoadType="Load pattern"	LoadName=PROPRI	LoadSF=1
Case=SLU-GEO-019	LoadType="Load pattern"	LoadName=PERSUP	LoadSF=1
Case=SLU-GEO-019	LoadType="Load pattern"	LoadName=PERINF	LoadSF=1
Case=SLU-GEO-019	LoadType="Load pattern"	LoadName=SPT-SX	LoadSF=1
Case=SLU-GEO-019	LoadType="Load pattern"	LoadName=SPT-DX	LoadSF=1
Case=SLU-GEO-019	LoadType="Load pattern"	LoadName=SPW-SX	LoadSF=1
Case=SLU-GEO-019	LoadType="Load pattern"	LoadName=SPW-DX	LoadSF=1
Case=SLU-GEO-019	LoadType="Load pattern"	LoadName=ACCSUP	LoadSF=.8625
Case=SLU-GEO-019	LoadType="Load pattern"	LoadName=SPA-SX	LoadSF=.8625
Case=SLU-GEO-019	LoadType="Load pattern"	LoadName=SPA-DX	LoadSF=.8625
Case=SLU-GEO-019	LoadType="Load pattern"	LoadName=TEMPUNI	LoadSF=-1
Case=SLU-GEO-019	LoadType="Load pattern"	LoadName=TEMPVAR	LoadSF=1
Case=SLU-GEO-020	LoadType="Load pattern"	LoadName=PROPRI	LoadSF=1
Case=SLU-GEO-020	LoadType="Load pattern"	LoadName=PERSUP	LoadSF=1
Case=SLU-GEO-020	LoadType="Load pattern"	LoadName=PERINF	LoadSF=1
Case=SLU-GEO-020	LoadType="Load pattern"	LoadName=SPT-SX	LoadSF=1
Case=SLU-GEO-020	LoadType="Load pattern"	LoadName=SPT-DX	LoadSF=1
Case=SLU-GEO-020	LoadType="Load pattern"	LoadName=SPW-SX	LoadSF=1
Case=SLU-GEO-020	LoadType="Load pattern"	LoadName=SPW-DX	LoadSF=1
Case=SLU-GEO-020	LoadType="Load pattern"	LoadName=ACCSUP	LoadSF=.8625
Case=SLU-GEO-020	LoadType="Load pattern"	LoadName=SPA-SX	LoadSF=.8625
Case=SLU-GEO-020	LoadType="Load pattern"	LoadName=SPA-DX	LoadSF=.8625
Case=SLU-GEO-020	LoadType="Load pattern"	LoadName=TEMPUNI	LoadSF=-1
Case=SLU-GEO-020	LoadType="Load pattern"	LoadName=TEMPVAR	LoadSF=-1
Case=SLU-GEO-021	LoadType="Load pattern"	LoadName=PROPRI	LoadSF=1
Case=SLU-GEO-021	LoadType="Load pattern"	LoadName=PERSUP	LoadSF=1
Case=SLU-GEO-021	LoadType="Load pattern"	LoadName=PERINF	LoadSF=1
Case=SLU-GEO-021	LoadType="Load pattern"	LoadName=SPT-SX	LoadSF=1
Case=SLU-GEO-021	LoadType="Load pattern"	LoadName=SPT-DX	LoadSF=1
Case=SLU-GEO-021	LoadType="Load pattern"	LoadName=SPW-SX	LoadSF=1
Case=SLU-GEO-021	LoadType="Load pattern"	LoadName=SPW-DX	LoadSF=1
Case=SLU-GEO-021	LoadType="Load pattern"	LoadName=ACCSUP	LoadSF=.8625
Case=SLU-GEO-021	LoadType="Load pattern"	LoadName=SPA-SX	LoadSF=.8625
Case=SLU-GEO-021	LoadType="Load pattern"	LoadName=TEMPUNI	LoadSF=1
Case=SLU-GEO-021	LoadType="Load pattern"	LoadName=TEMPVAR	LoadSF=1
Case=SLU-GEO-022	LoadType="Load pattern"	LoadName=PROPRI	LoadSF=1
Case=SLU-GEO-022	LoadType="Load pattern"	LoadName=PERSUP	LoadSF=1
Case=SLU-GEO-022	LoadType="Load pattern"	LoadName=PERINF	LoadSF=1
Case=SLU-GEO-022	LoadType="Load pattern"	LoadName=SPT-SX	LoadSF=1
Case=SLU-GEO-022	LoadType="Load pattern"	LoadName=SPT-DX	LoadSF=1
Case=SLU-GEO-022	LoadType="Load pattern"	LoadName=SPW-SX	LoadSF=1
Case=SLU-GEO-022	LoadType="Load pattern"	LoadName=SPW-DX	LoadSF=1
Case=SLU-GEO-022	LoadType="Load pattern"	LoadName=ACCSUP	LoadSF=.8625
Case=SLU-GEO-022	LoadType="Load pattern"	LoadName=SPA-SX	LoadSF=.8625
Case=SLU-GEO-022	LoadType="Load pattern"	LoadName=TEMPUNI	LoadSF=1
Case=SLU-GEO-022	LoadType="Load pattern"	LoadName=TEMPVAR	LoadSF=-1
Case=SLU-GEO-023	LoadType="Load pattern"	LoadName=PROPRI	LoadSF=1
Case=SLU-GEO-023	LoadType="Load pattern"	LoadName=PERSUP	LoadSF=1
Case=SLU-GEO-023	LoadType="Load pattern"	LoadName=PERINF	LoadSF=1
Case=SLU-GEO-023	LoadType="Load pattern"	LoadName=SPT-SX	LoadSF=1
Case=SLU-GEO-023	LoadType="Load pattern"	LoadName=SPT-DX	LoadSF=1
Case=SLU-GEO-023	LoadType="Load pattern"	LoadName=SPW-SX	LoadSF=1
Case=SLU-GEO-023	LoadType="Load pattern"	LoadName=SPW-DX	LoadSF=1
Case=SLU-GEO-023	LoadType="Load pattern"	LoadName=ACCSUP	LoadSF=.8625
Case=SLU-GEO-023	LoadType="Load pattern"	LoadName=SPA-SX	LoadSF=.8625
Case=SLU-GEO-023	LoadType="Load pattern"	LoadName=TEMPUNI	LoadSF=-1
Case=SLU-GEO-023	LoadType="Load pattern"	LoadName=TEMPVAR	LoadSF=1
Case=SLU-GEO-024	LoadType="Load pattern"	LoadName=PROPRI	LoadSF=1
Case=SLU-GEO-024	LoadType="Load pattern"	LoadName=PERSUP	LoadSF=1
Case=SLU-GEO-024	LoadType="Load pattern"	LoadName=PERINF	LoadSF=1
Case=SLU-GEO-024	LoadType="Load pattern"	LoadName=SPT-SX	LoadSF=1
Case=SLU-GEO-024	LoadType="Load pattern"	LoadName=SPT-DX	LoadSF=1
Case=SLU-GEO-024	LoadType="Load pattern"	LoadName=SPW-SX	LoadSF=1
Case=SLU-GEO-024	LoadType="Load pattern"	LoadName=SPW-DX	LoadSF=1

```
Case=SLU-GEO-024   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-024   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-024   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-024   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-025   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-025   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-025   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-025   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-025   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-025   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-025   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-025   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-025   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-025   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-026   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-026   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-026   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-026   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-026   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-026   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-026   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-026   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-026   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-026   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-027   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-027   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-027   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-027   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-027   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-027   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-027   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-027   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-027   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-027   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-028   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-028   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-028   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-028   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-028   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-028   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-028   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-028   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-028   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-028   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-029   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-029   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-029   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-029   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-029   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-029   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-029   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-029   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-029   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-030   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-030   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-030   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-030   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-030   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-030   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-030   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-030   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-030   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-031   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-031   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-031   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-031   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-031   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
```

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Case=SLU-GEO-031   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-031   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-031   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-031   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-032   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-032   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-032   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-032   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-032   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-032   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-032   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-032   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-032   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-033   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-033   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-033   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-033   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-033   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-033   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-033   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-033   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-033   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-033   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-033   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-033   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.43125
Case=SLU-GEO-033   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-033   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-034   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-034   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-034   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-034   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-034   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-034   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-034   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-034   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-034   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-034   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-034   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-034   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.43125
Case=SLU-GEO-034   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-034   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-035   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-035   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-035   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-035   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-035   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-035   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-035   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-035   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-035   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-035   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-035   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-035   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.43125
Case=SLU-GEO-035   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-035   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-036   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-036   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-036   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-036   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-036   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-036   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-036   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-036   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-036   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-036   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-036   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-036   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.43125
```

```
Case=SLU-GEO-036   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-036   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-037   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-037   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-037   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-037   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-037   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-037   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-037   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-037   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-037   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-037   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-037   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-037   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-037   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-038   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-038   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-038   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-038   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-038   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-038   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-038   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-038   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-038   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-038   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-038   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-038   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-038   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-039   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-039   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-039   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-039   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-039   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-039   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-039   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-039   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-039   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-039   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-039   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-039   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-039   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-040   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-040   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-040   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-040   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-040   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-040   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-040   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-040   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-040   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-040   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-040   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-040   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-040   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-041   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-041   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-041   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-041   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-041   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-041   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-041   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-041   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-041   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-041   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.43125
Case=SLU-GEO-041   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-041   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-042   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
```

```
Case=SLU-GEO-042   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-042   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-042   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-042   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-042   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-042   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-042   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-042   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-042   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.43125
Case=SLU-GEO-042   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-042   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-043   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-043   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-043   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-043   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-043   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-043   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-043   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-043   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-043   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-043   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.43125
Case=SLU-GEO-043   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-043   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-044   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-044   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-044   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-044   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-044   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-044   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-044   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-044   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-044   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-044   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.43125
Case=SLU-GEO-044   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-044   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-045   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-045   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-045   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-045   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-045   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-045   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-045   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-045   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-045   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-045   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-045   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-046   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-046   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-046   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-046   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-046   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-046   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-046   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-046   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-046   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-046   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-046   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-047   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-047   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-047   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-047   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-047   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-047   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-047   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-047   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-047   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-047   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
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Case=SLU-GEO-047   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-048   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-048   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-048   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-048   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-048   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-048   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-048   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-048   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-048   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=.8625
Case=SLU-GEO-048   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-048   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-049   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-049   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-049   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-049   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-049   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-049   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-049   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-049   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-049   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-049   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-050   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-050   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-050   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-050   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-050   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-050   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-050   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-050   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-050   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-050   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-051   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-051   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-051   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-051   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-051   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-051   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-051   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-051   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-051   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-051   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-052   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-052   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-052   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-052   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-052   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-052   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-052   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-052   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-052   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-052   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-053   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-053   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-053   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-053   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-053   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-053   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-053   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-053   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-053   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-054   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-054   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-054   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-054   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-054   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-054   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
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Case=SLU-GEO-054   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-054   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-054   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-055   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-055   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-055   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-055   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-055   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-055   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-055   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-055   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-055   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-056   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-056   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-056   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-056   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-056   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-056   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-056   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-056   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-056   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-057   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-057   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-057   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-057   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-057   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-057   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-057   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-057   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-057   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-057   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-057   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-057   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.8625
Case=SLU-GEO-057   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-057   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-058   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-058   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-058   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-058   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-058   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-058   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-058   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-058   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-058   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-058   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-058   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-058   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.8625
Case=SLU-GEO-058   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-058   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-059   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-059   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-059   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-059   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-059   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-059   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-059   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-059   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-059   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-059   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-059   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-059   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.8625
Case=SLU-GEO-059   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-059   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-060   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-060   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-060   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-060   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
```

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Case=SLU-GEO-060   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-060   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-060   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-060   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-060   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-060   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-060   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-060   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.8625
Case=SLU-GEO-060   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-060   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-061   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-061   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-061   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-061   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-061   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-061   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-061   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-061   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-061   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-061   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-061   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-061   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-061   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-062   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-062   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-062   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-062   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-062   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-062   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-062   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-062   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-062   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-062   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-062   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-062   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-062   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-063   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-063   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-063   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-063   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-063   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-063   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-063   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-063   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-063   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-063   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-063   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-063   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-063   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-064   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-064   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-064   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-064   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-064   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-064   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-064   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-064   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-064   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-064   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-064   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-064   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-064   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-065   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-065   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-065   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-065   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-065   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
```

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Case=SLU-GEO-065   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-GEO-065   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-GEO-065   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.8625
Case=SLU-GEO-065   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-065   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.8625
Case=SLU-GEO-065   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=1
Case=SLU-GEO-065   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=1
Case=SLU-GEO-066   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-GEO-066   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-GEO-066   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-GEO-066   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-066   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-066   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-GEO-066   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-GEO-066   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.8625
Case=SLU-GEO-066   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-066   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.8625
Case=SLU-GEO-066   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=1
Case=SLU-GEO-066   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-1
Case=SLU-GEO-067   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-GEO-067   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-GEO-067   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-GEO-067   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-067   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-067   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-GEO-067   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-GEO-067   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.8625
Case=SLU-GEO-067   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-067   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.8625
Case=SLU-GEO-067   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-1
Case=SLU-GEO-067   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=1
Case=SLU-GEO-068   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-GEO-068   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-GEO-068   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-GEO-068   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-068   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-068   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-GEO-068   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-GEO-068   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.8625
Case=SLU-GEO-068   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-068   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.8625
Case=SLU-GEO-068   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-1
Case=SLU-GEO-068   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-1
Case=SLU-GEO-069   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-GEO-069   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-GEO-069   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-GEO-069   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-069   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-069   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-GEO-069   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-GEO-069   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.8625
Case=SLU-GEO-069   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-069   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=1
Case=SLU-GEO-069   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=1
Case=SLU-GEO-070   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-GEO-070   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-GEO-070   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-GEO-070   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-070   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-070   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-GEO-070   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-GEO-070   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=.8625
Case=SLU-GEO-070   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-070   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=1
Case=SLU-GEO-070   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-1
Case=SLU-GEO-071   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-GEO-071   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
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Case=SLU-GEO-071   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-071   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-071   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-071   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-071   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-071   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-071   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-071   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-071   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-072   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-072   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-072   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-072   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-072   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-072   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-072   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-072   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-072   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-072   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-072   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-073   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-073   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-073   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-073   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-073   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-073   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-073   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-073   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-073   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-073   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-074   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-074   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-074   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-074   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-074   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-074   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-074   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-074   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-074   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-074   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-075   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-075   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-075   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-075   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-075   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-075   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-075   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-075   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-075   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-075   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-076   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-076   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-076   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-076   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-076   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-076   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-076   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-076   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-076   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-076   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-077   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-077   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-077   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-077   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-077   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-077   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-077   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
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Case=SLU-GEO-077   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-077   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-078   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-078   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-078   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-078   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-078   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-078   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-078   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-078   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-078   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-079   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-079   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-079   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-079   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-079   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-079   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-079   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-079   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-079   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-080   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-080   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-080   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-080   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-080   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-080   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-080   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-080   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-080   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-081   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-081   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-081   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-081   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-081   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-081   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-081   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-081   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-081   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-081   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-081   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-081   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.43125
Case=SLU-GEO-081   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-081   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-082   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-082   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-082   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-082   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-082   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-082   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-082   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-082   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-082   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-082   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-082   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-082   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.43125
Case=SLU-GEO-082   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-082   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-083   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-083   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-083   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-083   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-083   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-083   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-083   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-083   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-083   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-083   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
```

```
Case=SLU-GEO-083   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-083   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.43125
Case=SLU-GEO-083   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-083   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-084   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-084   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-084   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-084   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-084   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-084   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-084   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-084   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-084   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-084   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-084   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-084   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.43125
Case=SLU-GEO-084   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-084   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-085   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-085   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-085   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-085   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-085   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-085   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-085   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-085   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-085   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-085   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-085   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-085   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-085   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-086   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-086   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-086   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-086   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-086   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-086   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-086   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-086   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-086   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-086   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-086   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-086   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-086   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-087   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-087   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-087   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-087   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-087   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-087   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-087   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-087   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-087   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-087   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-087   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-087   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-087   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-088   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-088   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-088   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-088   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-088   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-088   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-088   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-088   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-088   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=.8625
Case=SLU-GEO-088   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
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```
Case=SLU-GEO-088   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-088   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-088   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-089   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-089   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-089   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-089   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-089   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-089   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-089   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-089   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-089   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-089   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.43125
Case=SLU-GEO-089   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-089   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-090   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-090   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-090   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-090   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-090   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-090   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-090   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-090   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-090   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-090   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.43125
Case=SLU-GEO-090   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-090   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-091   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-091   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-091   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-091   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-091   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-091   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-091   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-091   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-091   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-091   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.43125
Case=SLU-GEO-091   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-091   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-092   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-092   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-092   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-092   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-092   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-092   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-092   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-092   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-092   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-092   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.43125
Case=SLU-GEO-092   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-092   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-093   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-093   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-093   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-093   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-093   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-093   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-093   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-093   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-093   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-093   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-093   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-094   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-094   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-094   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-094   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-094   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
```

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Case=SLU-GEO-094   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-094   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-094   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-094   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-094   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=1
Case=SLU-GEO-094   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-095   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-095   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-095   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-095   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-095   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-095   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-095   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-095   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-095   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-095   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-095   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=1
Case=SLU-GEO-096   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-096   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-096   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-096   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-096   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-096   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-096   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-096   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=.8625
Case=SLU-GEO-096   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=.8625
Case=SLU-GEO-096   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-1
Case=SLU-GEO-096   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-1
Case=SLU-GEO-097   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-097   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-097   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-097   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-097   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-097   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-097   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-097   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-097   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-097   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-097   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-097   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-097   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.15
Case=SLU-GEO-097   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-097   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-098   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-098   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-098   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-098   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-098   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-098   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-098   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-098   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-098   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-098   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-098   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-098   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-098   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.15
Case=SLU-GEO-098   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-098   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-099   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-099   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-099   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-099   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-099   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-099   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-099   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
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Case=SLU-GEO-099   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
```

```
Case=SLU-GEO-099   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-099   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-099   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-099   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.15
Case=SLU-GEO-099   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-099   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-100   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-100   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-100   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-100   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-100   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-100   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-100   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-100   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-100   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-100   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-100   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-100   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-100   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.15
Case=SLU-GEO-100   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-100   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-101   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-101   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-101   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-101   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-101   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-101   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-101   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-101   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-101   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-101   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-101   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-101   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-101   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-101   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-102   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-102   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-102   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-102   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-102   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-102   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-102   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-102   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-102   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-102   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-102   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-102   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-102   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-102   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-103   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-103   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-103   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-103   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-103   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-103   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-103   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-103   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-103   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-103   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-103   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-103   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-103   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-103   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-104   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-104   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-104   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-104   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
```

```
Case=SLU-GEO-104   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-104   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-104   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-104   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-104   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-104   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-104   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-104   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-104   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-104   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-105   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-105   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-105   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-105   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-105   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-105   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-105   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-105   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-105   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-105   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-105   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.15
Case=SLU-GEO-105   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-105   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-106   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-106   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-106   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-106   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-106   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-106   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-106   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-106   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-106   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-106   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-106   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.15
Case=SLU-GEO-106   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-106   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-107   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-107   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-107   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-107   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-107   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-107   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-107   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-107   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-107   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-107   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-107   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.15
Case=SLU-GEO-107   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-107   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-108   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-108   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-108   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-108   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-108   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-108   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-108   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-108   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-108   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-108   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-108   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=1.15
Case=SLU-GEO-108   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-108   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-109   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-109   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-109   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-109   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-109   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
```

```
Case=SLU-GEO-109   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-109   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-109   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-109   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-109   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-109   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-109   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-110   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-110   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-110   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-110   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-110   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-110   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-110   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-110   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-110   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-110   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-110   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-110   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-111   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-111   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-111   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-111   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-111   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-111   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-111   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-111   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-111   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-111   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-111   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-111   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-112   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-112   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-112   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-112   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-112   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-GEO-112   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-112   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-112   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-112   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-112   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-112   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-112   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-113   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-113   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-113   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-113   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-113   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-113   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-113   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-113   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-113   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-113   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-113   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-113   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-113   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.575
Case=SLU-GEO-113   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-113   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-114   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-114   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-114   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-114   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-114   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-114   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-114   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-114   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-114   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
```

```
Case=SLU-GEO-114   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-114   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-114   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-114   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.575
Case=SLU-GEO-114   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-114   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-115   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-115   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-115   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-115   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-115   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-115   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-115   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-115   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-115   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-115   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-115   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-115   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-115   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.575
Case=SLU-GEO-115   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-115   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-116   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-116   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-116   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-116   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-116   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-116   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-116   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-116   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-116   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-116   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-116   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-116   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-116   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.575
Case=SLU-GEO-116   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-116   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-117   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-117   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-117   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-117   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-117   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-117   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-117   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-117   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-117   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-117   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-117   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-117   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-117   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-117   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-118   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-118   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-118   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-118   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-118   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-118   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-118   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-118   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-118   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-118   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-118   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-118   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-118   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-118   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-119   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-119   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-119   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
```

```
Case=SLU-GEO-119   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-119   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-119   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-119   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-119   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-119   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-119   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-119   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-119   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-119   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-119   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-120   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-120   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-120   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-120   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-120   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-120   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-120   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-120   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-120   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-120   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-120   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-120   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-120   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-120   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-121   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-121   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-121   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-121   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-121   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-121   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-121   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-121   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-121   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-121   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-121   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.575
Case=SLU-GEO-121   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-121   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-122   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-122   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-122   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-122   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-122   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-122   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-122   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-122   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-122   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-122   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-122   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.575
Case=SLU-GEO-122   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-122   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-123   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-123   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-123   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-123   LoadType="Load pattern"   LoadName=SPT-SX   LoadSF=1
Case=SLU-GEO-123   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=.5
Case=SLU-GEO-123   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-123   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-123   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-123   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-123   LoadType="Load pattern"   LoadName=SPA-SX   LoadSF=1.15
Case=SLU-GEO-123   LoadType="Load pattern"   LoadName=SPA-DX   LoadSF=.575
Case=SLU-GEO-123   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-123   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-124   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-124   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-124   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
```

```
Case=SLU-GEO-124   LoadType="Load pattern"   LoadName=SPT-SX    LoadSF=1
Case=SLU-GEO-124   LoadType="Load pattern"   LoadName=SPT-DX    LoadSF=.5
Case=SLU-GEO-124   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-GEO-124   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-GEO-124   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=1.15
Case=SLU-GEO-124   LoadType="Load pattern"   LoadName=FREN    LoadSF=1.15
Case=SLU-GEO-124   LoadType="Load pattern"   LoadName=SPA-SX    LoadSF=1.15
Case=SLU-GEO-124   LoadType="Load pattern"   LoadName=SPA-DX    LoadSF=.575
Case=SLU-GEO-124   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-.6
Case=SLU-GEO-124   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-.6
Case=SLU-GEO-125   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-GEO-125   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-GEO-125   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-GEO-125   LoadType="Load pattern"   LoadName=SPT-SX    LoadSF=1
Case=SLU-GEO-125   LoadType="Load pattern"   LoadName=SPT-DX    LoadSF=.5
Case=SLU-GEO-125   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-GEO-125   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-GEO-125   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=1.15
Case=SLU-GEO-125   LoadType="Load pattern"   LoadName=FREN    LoadSF=1.15
Case=SLU-GEO-125   LoadType="Load pattern"   LoadName=SPA-SX    LoadSF=1.15
Case=SLU-GEO-125   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=.6
Case=SLU-GEO-125   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=.6
Case=SLU-GEO-126   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-GEO-126   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-GEO-126   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-GEO-126   LoadType="Load pattern"   LoadName=SPT-SX    LoadSF=1
Case=SLU-GEO-126   LoadType="Load pattern"   LoadName=SPT-DX    LoadSF=.5
Case=SLU-GEO-126   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-GEO-126   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-GEO-126   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=1.15
Case=SLU-GEO-126   LoadType="Load pattern"   LoadName=FREN    LoadSF=1.15
Case=SLU-GEO-126   LoadType="Load pattern"   LoadName=SPA-SX    LoadSF=1.15
Case=SLU-GEO-126   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=.6
Case=SLU-GEO-126   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-.6
Case=SLU-GEO-127   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-GEO-127   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-GEO-127   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-GEO-127   LoadType="Load pattern"   LoadName=SPT-SX    LoadSF=1
Case=SLU-GEO-127   LoadType="Load pattern"   LoadName=SPT-DX    LoadSF=.5
Case=SLU-GEO-127   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-GEO-127   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-GEO-127   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=1.15
Case=SLU-GEO-127   LoadType="Load pattern"   LoadName=FREN    LoadSF=1.15
Case=SLU-GEO-127   LoadType="Load pattern"   LoadName=SPA-SX    LoadSF=1.15
Case=SLU-GEO-127   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-.6
Case=SLU-GEO-127   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=.6
Case=SLU-GEO-128   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-GEO-128   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-GEO-128   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-GEO-128   LoadType="Load pattern"   LoadName=SPT-SX    LoadSF=1
Case=SLU-GEO-128   LoadType="Load pattern"   LoadName=SPT-DX    LoadSF=.5
Case=SLU-GEO-128   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-GEO-128   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-GEO-128   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=1.15
Case=SLU-GEO-128   LoadType="Load pattern"   LoadName=FREN    LoadSF=1.15
Case=SLU-GEO-128   LoadType="Load pattern"   LoadName=SPA-SX    LoadSF=1.15
Case=SLU-GEO-128   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-.6
Case=SLU-GEO-128   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-.6
Case=SLU-GEO-129   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-GEO-129   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-GEO-129   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-GEO-129   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLU-GEO-129   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=1
Case=SLU-GEO-129   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-GEO-129   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-GEO-129   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1.3
Case=SLU-GEO-129   LoadType="Load pattern"   LoadName=ACCINF    LoadSF=1.15
```

```
Case=SLU-GEO-129   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-129   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-129   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-129   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.15
Case=SLU-GEO-129   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-129   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-130   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-130   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-130   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-130   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-130   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-130   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-130   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-130   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-130   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-130   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-130   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-130   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-130   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.15
Case=SLU-GEO-130   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-130   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-131   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-131   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-131   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-131   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-131   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-131   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-131   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-131   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-131   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-131   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-131   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-131   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-131   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.15
Case=SLU-GEO-131   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-131   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-132   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-132   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-132   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-132   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-132   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-132   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-132   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-132   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-132   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-132   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-132   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-132   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-132   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.15
Case=SLU-GEO-132   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-132   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-133   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-133   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-133   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-133   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-133   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-133   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-133   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-133   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-133   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-133   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-133   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-133   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-133   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-133   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-134   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-134   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
```

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Case=SLU-GEO-134   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-134   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-134   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-134   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-134   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-134   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-134   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-134   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-134   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-134   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-134   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-134   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-135   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-135   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-135   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-135   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-135   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-135   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-135   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-135   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-135   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-135   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-135   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-135   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-135   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-135   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-136   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-136   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-136   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-136   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-136   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-136   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-136   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-136   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-136   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-136   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-136   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-136   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-136   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-136   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-137   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-137   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-137   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-137   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-137   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-137   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-137   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-137   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-137   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-137   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-137   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.15
Case=SLU-GEO-137   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-137   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-138   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-138   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-138   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-138   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-138   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-138   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-138   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-138   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-138   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-138   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-138   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.15
Case=SLU-GEO-138   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-138   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-139   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
```

```
Case=SLU-GEO-139   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-139   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-139   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-139   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-139   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-139   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-139   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-139   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-139   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-139   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.15
Case=SLU-GEO-139   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-139   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-140   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-140   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-140   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-140   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-140   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-140   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-140   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-140   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-140   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-140   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-140   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=1.15
Case=SLU-GEO-140   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-140   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-141   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-141   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-141   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-141   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-141   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-141   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-141   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-141   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-141   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-141   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-141   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-141   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-142   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-142   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-142   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-142   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-142   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-142   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-142   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-142   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-142   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-142   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-142   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-142   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-143   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-143   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-143   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-143   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-143   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-143   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-143   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-143   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-143   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-143   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-143   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-143   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-144   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-144   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-144   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-144   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-144   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=1
Case=SLU-GEO-144   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
```

```
Case=SLU-GEO-144   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-144   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-144   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-144   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-144   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-144   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-145   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-145   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-145   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-145   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-145   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-145   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-145   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-145   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-145   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-145   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-145   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-145   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-145   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.575
Case=SLU-GEO-145   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-145   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-146   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-146   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-146   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-146   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-146   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-146   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-146   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-146   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-146   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-146   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-146   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-146   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-146   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.575
Case=SLU-GEO-146   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-146   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-147   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-147   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-147   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-147   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-147   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-147   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-147   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-147   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-147   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-147   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-147   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-147   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-147   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.575
Case=SLU-GEO-147   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-147   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-148   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-148   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-148   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-148   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-148   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-148   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-148   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-148   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1.3
Case=SLU-GEO-148   LoadType="Load pattern"   LoadName=ACCINF   LoadSF=1.15
Case=SLU-GEO-148   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-148   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-148   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-148   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.575
Case=SLU-GEO-148   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-148   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-149   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
```

```
Case=SLU-GEO-149   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-GEO-149   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-GEO-149   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLU-GEO-149   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=.5
Case=SLU-GEO-149   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-GEO-149   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-GEO-149   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1.3
Case=SLU-GEO-149   LoadType="Load pattern"   LoadName=ACCINF    LoadSF=1.15
Case=SLU-GEO-149   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=1.15
Case=SLU-GEO-149   LoadType="Load pattern"   LoadName=FREN    LoadSF=1.15
Case=SLU-GEO-149   LoadType="Load pattern"   LoadName=SPAKa-SX    LoadSF=1.15
Case=SLU-GEO-149   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=.6
Case=SLU-GEO-149   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=.6
Case=SLU-GEO-150   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-GEO-150   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-GEO-150   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-GEO-150   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLU-GEO-150   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=.5
Case=SLU-GEO-150   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-GEO-150   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-GEO-150   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1.3
Case=SLU-GEO-150   LoadType="Load pattern"   LoadName=ACCINF    LoadSF=1.15
Case=SLU-GEO-150   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=1.15
Case=SLU-GEO-150   LoadType="Load pattern"   LoadName=FREN    LoadSF=1.15
Case=SLU-GEO-150   LoadType="Load pattern"   LoadName=SPAKa-SX    LoadSF=1.15
Case=SLU-GEO-150   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=.6
Case=SLU-GEO-150   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-.6
Case=SLU-GEO-151   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-GEO-151   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-GEO-151   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-GEO-151   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLU-GEO-151   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=.5
Case=SLU-GEO-151   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-GEO-151   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-GEO-151   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1.3
Case=SLU-GEO-151   LoadType="Load pattern"   LoadName=ACCINF    LoadSF=1.15
Case=SLU-GEO-151   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=1.15
Case=SLU-GEO-151   LoadType="Load pattern"   LoadName=FREN    LoadSF=1.15
Case=SLU-GEO-151   LoadType="Load pattern"   LoadName=SPAKa-SX    LoadSF=1.15
Case=SLU-GEO-151   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-.6
Case=SLU-GEO-151   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=.6
Case=SLU-GEO-152   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-GEO-152   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-GEO-152   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-GEO-152   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLU-GEO-152   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=.5
Case=SLU-GEO-152   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-GEO-152   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-GEO-152   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1.3
Case=SLU-GEO-152   LoadType="Load pattern"   LoadName=ACCINF    LoadSF=1.15
Case=SLU-GEO-152   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=1.15
Case=SLU-GEO-152   LoadType="Load pattern"   LoadName=FREN    LoadSF=1.15
Case=SLU-GEO-152   LoadType="Load pattern"   LoadName=SPAKa-SX    LoadSF=1.15
Case=SLU-GEO-152   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-.6
Case=SLU-GEO-152   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-.6
Case=SLU-GEO-153   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-GEO-153   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-GEO-153   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-GEO-153   LoadType="Load pattern"   LoadName=SPTKa-SX    LoadSF=1
Case=SLU-GEO-153   LoadType="Load pattern"   LoadName=SPTKa-DX    LoadSF=.5
Case=SLU-GEO-153   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-GEO-153   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-GEO-153   LoadType="Load pattern"   LoadName=ACCSUP    LoadSF=1.15
Case=SLU-GEO-153   LoadType="Load pattern"   LoadName=FREN    LoadSF=1.15
Case=SLU-GEO-153   LoadType="Load pattern"   LoadName=SPAKa-SX    LoadSF=1.15
Case=SLU-GEO-153   LoadType="Load pattern"   LoadName=SPAKa-DX    LoadSF=.575
Case=SLU-GEO-153   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=.6
```

```
Case=SLU-GEO-153   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-154   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-154   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-154   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-154   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-154   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-154   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-154   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-154   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-154   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-154   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-154   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.575
Case=SLU-GEO-154   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-154   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-155   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-155   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-155   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-155   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-155   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-155   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-155   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-155   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-155   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-155   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-155   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.575
Case=SLU-GEO-155   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-155   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-156   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-156   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-156   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-156   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-156   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-156   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-156   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-156   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-156   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-156   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-156   LoadType="Load pattern"   LoadName=SPAKa-DX   LoadSF=.575
Case=SLU-GEO-156   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-156   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-157   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-157   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-157   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-157   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-157   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-157   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-157   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-157   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-157   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-157   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-157   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-157   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-158   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-158   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-158   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-158   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-158   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-158   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-158   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-158   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-158   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-158   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-158   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.6
Case=SLU-GEO-158   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-GEO-159   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-159   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-159   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
```

```
Case=SLU-GEO-159   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-159   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-159   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-159   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-159   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-159   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-159   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-159   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-159   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.6
Case=SLU-GEO-160   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-GEO-160   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-GEO-160   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-GEO-160   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-GEO-160   LoadType="Load pattern"   LoadName=SPTKa-DX   LoadSF=.5
Case=SLU-GEO-160   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-GEO-160   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-GEO-160   LoadType="Load pattern"   LoadName=ACCSUP   LoadSF=1.15
Case=SLU-GEO-160   LoadType="Load pattern"   LoadName=FREN   LoadSF=1.15
Case=SLU-GEO-160   LoadType="Load pattern"   LoadName=SPAKa-SX   LoadSF=1.15
Case=SLU-GEO-160   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.6
Case=SLU-GEO-160   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.6
Case=SLU-SIS-01   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-01   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-01   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-01   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-SIS-01   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-SIS-01   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-01   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-01   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLU-SIS-01   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLU-SIS-01   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLU-SIS-01   LoadType="Load pattern"   LoadName=G1-SLV-X   LoadSF=1
Case=SLU-SIS-01   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=.3
Case=SLU-SIS-01   LoadType="Load pattern"   LoadName=G3-SLV-X   LoadSF=1
Case=SLU-SIS-01   LoadType="Load pattern"   LoadName=G3-SLV-Z   LoadSF=.3
Case=SLU-SIS-02   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-02   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-02   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-02   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-SIS-02   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-SIS-02   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-02   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-02   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLU-SIS-02   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLU-SIS-02   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLU-SIS-02   LoadType="Load pattern"   LoadName=G1-SLV-X   LoadSF=1
Case=SLU-SIS-02   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=.3
Case=SLU-SIS-02   LoadType="Load pattern"   LoadName=G3-SLV-X   LoadSF=1
Case=SLU-SIS-02   LoadType="Load pattern"   LoadName=G3-SLV-Z   LoadSF=.3
Case=SLU-SIS-03   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-03   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-03   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-03   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-SIS-03   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-SIS-03   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-03   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-03   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLU-SIS-03   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLU-SIS-03   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLU-SIS-03   LoadType="Load pattern"   LoadName=G1-SLV-X   LoadSF=1
Case=SLU-SIS-03   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=.3
Case=SLU-SIS-03   LoadType="Load pattern"   LoadName=G3-SLV-X   LoadSF=1
Case=SLU-SIS-03   LoadType="Load pattern"   LoadName=G3-SLV-Z   LoadSF=.3
Case=SLU-SIS-04   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-04   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-04   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-04   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
```

```
Case=SLU-SIS-04   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-SIS-04   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-04   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-04   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLU-SIS-04   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLU-SIS-04   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLU-SIS-04   LoadType="Load pattern"   LoadName=G1-SLV-X   LoadSF=1
Case=SLU-SIS-04   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=.3
Case=SLU-SIS-04   LoadType="Load pattern"   LoadName=G3-SLV-X   LoadSF=1
Case=SLU-SIS-04   LoadType="Load pattern"   LoadName=G3-SLV-Z   LoadSF=.3
Case=SLU-SIS-05   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-05   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-05   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-05   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-SIS-05   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-SIS-05   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-05   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-05   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLU-SIS-05   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLU-SIS-05   LoadType="Load pattern"   LoadName=G1-SLV-X   LoadSF=1
Case=SLU-SIS-05   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=.3
Case=SLU-SIS-06   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-06   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-06   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-06   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-SIS-06   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-SIS-06   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-06   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-06   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLU-SIS-06   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLU-SIS-06   LoadType="Load pattern"   LoadName=G1-SLV-X   LoadSF=1
Case=SLU-SIS-06   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=.3
Case=SLU-SIS-07   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-07   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-07   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-07   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-SIS-07   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-SIS-07   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-07   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-07   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLU-SIS-07   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLU-SIS-07   LoadType="Load pattern"   LoadName=G1-SLV-X   LoadSF=1
Case=SLU-SIS-07   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=.3
Case=SLU-SIS-08   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-08   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-08   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-08   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-SIS-08   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-SIS-08   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-08   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-08   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLU-SIS-08   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLU-SIS-08   LoadType="Load pattern"   LoadName=G1-SLV-X   LoadSF=1
Case=SLU-SIS-08   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=.3
Case=SLU-SIS-09   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-09   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-09   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-09   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-SIS-09   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-SIS-09   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-09   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-09   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLU-SIS-09   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLU-SIS-09   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLU-SIS-09   LoadType="Load pattern"   LoadName=G1-SLV-X   LoadSF=.3
Case=SLU-SIS-09   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=1
Case=SLU-SIS-09   LoadType="Load pattern"   LoadName=G3-SLV-X   LoadSF=.3
```

```
Case=SLU-SIS-09   LoadType="Load pattern"   LoadName=G3-SLV-Z   LoadSF=1
Case=SLU-SIS-10   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-10   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-10   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-10   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-SIS-10   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-SIS-10   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-10   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-10   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLU-SIS-10   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLU-SIS-10   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLU-SIS-10   LoadType="Load pattern"   LoadName=G1-SLV-X   LoadSF=.3
Case=SLU-SIS-10   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=1
Case=SLU-SIS-10   LoadType="Load pattern"   LoadName=G3-SLV-X   LoadSF=.3
Case=SLU-SIS-10   LoadType="Load pattern"   LoadName=G3-SLV-Z   LoadSF=1
Case=SLU-SIS-11   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-11   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-11   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-11   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-SIS-11   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-SIS-11   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-11   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-11   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLU-SIS-11   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLU-SIS-11   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLU-SIS-11   LoadType="Load pattern"   LoadName=G1-SLV-X   LoadSF=.3
Case=SLU-SIS-11   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=1
Case=SLU-SIS-11   LoadType="Load pattern"   LoadName=G3-SLV-X   LoadSF=.3
Case=SLU-SIS-11   LoadType="Load pattern"   LoadName=G3-SLV-Z   LoadSF=1
Case=SLU-SIS-12   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-12   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-12   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-12   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-SIS-12   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-SIS-12   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-12   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-12   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLU-SIS-12   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLU-SIS-12   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLU-SIS-12   LoadType="Load pattern"   LoadName=G1-SLV-X   LoadSF=.3
Case=SLU-SIS-12   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=1
Case=SLU-SIS-12   LoadType="Load pattern"   LoadName=G3-SLV-X   LoadSF=.3
Case=SLU-SIS-12   LoadType="Load pattern"   LoadName=G3-SLV-Z   LoadSF=1
Case=SLU-SIS-13   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-13   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-13   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-13   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-SIS-13   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-SIS-13   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-13   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-13   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLU-SIS-13   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLU-SIS-13   LoadType="Load pattern"   LoadName=G1-SLV-X   LoadSF=.3
Case=SLU-SIS-13   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=1
Case=SLU-SIS-14   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-14   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-14   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-14   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-SIS-14   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-SIS-14   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-14   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-14   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLU-SIS-14   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLU-SIS-14   LoadType="Load pattern"   LoadName=G1-SLV-X   LoadSF=.3
Case=SLU-SIS-14   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=1
Case=SLU-SIS-15   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-15   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
```

```
Case=SLU-SIS-15   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-15   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-SIS-15   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-SIS-15   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-15   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-15   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLU-SIS-15   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLU-SIS-15   LoadType="Load pattern"   LoadName=G1-SLV-X   LoadSF=.3
Case=SLU-SIS-15   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=1
Case=SLU-SIS-16   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-16   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-16   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-16   LoadType="Load pattern"   LoadName=SPTKa-SX   LoadSF=1
Case=SLU-SIS-16   LoadType="Load pattern"   LoadName=SPT-DX   LoadSF=1
Case=SLU-SIS-16   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-16   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-16   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLU-SIS-16   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLU-SIS-16   LoadType="Load pattern"   LoadName=G1-SLV-X   LoadSF=.3
Case=SLU-SIS-16   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=1
Case=SLU-SIS-17   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-17   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-17   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-17   LoadType="Load pattern"   LoadName=SPTKad-SX   LoadSF=1
Case=SLU-SIS-17   LoadType="Load pattern"   LoadName=SPTd-DX   LoadSF=1
Case=SLU-SIS-17   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-17   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-17   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLU-SIS-17   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLU-SIS-17   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLU-SIS-17   LoadType="Load pattern"   LoadName=G1d-SLV-X   LoadSF=1
Case=SLU-SIS-17   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=.3
Case=SLU-SIS-17   LoadType="Load pattern"   LoadName=G3-SLV-X   LoadSF=1
Case=SLU-SIS-17   LoadType="Load pattern"   LoadName=G3-SLV-Z   LoadSF=.3
Case=SLU-SIS-18   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-18   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-18   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-18   LoadType="Load pattern"   LoadName=SPTKad-SX   LoadSF=1
Case=SLU-SIS-18   LoadType="Load pattern"   LoadName=SPTd-DX   LoadSF=1
Case=SLU-SIS-18   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-18   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-18   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLU-SIS-18   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLU-SIS-18   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLU-SIS-18   LoadType="Load pattern"   LoadName=G1d-SLV-X   LoadSF=1
Case=SLU-SIS-18   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=.3
Case=SLU-SIS-18   LoadType="Load pattern"   LoadName=G3-SLV-X   LoadSF=1
Case=SLU-SIS-18   LoadType="Load pattern"   LoadName=G3-SLV-Z   LoadSF=.3
Case=SLU-SIS-19   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-19   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-19   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-19   LoadType="Load pattern"   LoadName=SPTKad-SX   LoadSF=1
Case=SLU-SIS-19   LoadType="Load pattern"   LoadName=SPTd-DX   LoadSF=1
Case=SLU-SIS-19   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-19   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-19   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLU-SIS-19   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLU-SIS-19   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLU-SIS-19   LoadType="Load pattern"   LoadName=G1d-SLV-X   LoadSF=1
Case=SLU-SIS-19   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=.3
Case=SLU-SIS-19   LoadType="Load pattern"   LoadName=G3-SLV-X   LoadSF=1
Case=SLU-SIS-19   LoadType="Load pattern"   LoadName=G3-SLV-Z   LoadSF=.3
Case=SLU-SIS-20   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-20   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-20   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-20   LoadType="Load pattern"   LoadName=SPTKad-SX   LoadSF=1
Case=SLU-SIS-20   LoadType="Load pattern"   LoadName=SPTd-DX   LoadSF=1
```

```
Case=SLU-SIS-20   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-20   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-20   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLU-SIS-20   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLU-SIS-20   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLU-SIS-20   LoadType="Load pattern"   LoadName=G1d-SLV-X   LoadSF=1
Case=SLU-SIS-20   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=.3
Case=SLU-SIS-20   LoadType="Load pattern"   LoadName=G3-SLV-X   LoadSF=1
Case=SLU-SIS-20   LoadType="Load pattern"   LoadName=G3-SLV-Z   LoadSF=.3
Case=SLU-SIS-21   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-21   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-21   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-21   LoadType="Load pattern"   LoadName=SPTKad-SX   LoadSF=1
Case=SLU-SIS-21   LoadType="Load pattern"   LoadName=SPTd-DX   LoadSF=1
Case=SLU-SIS-21   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-21   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-21   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLU-SIS-21   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLU-SIS-21   LoadType="Load pattern"   LoadName=G1d-SLV-X   LoadSF=1
Case=SLU-SIS-21   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=.3
Case=SLU-SIS-22   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-22   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-22   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-22   LoadType="Load pattern"   LoadName=SPTKad-SX   LoadSF=1
Case=SLU-SIS-22   LoadType="Load pattern"   LoadName=SPTd-DX   LoadSF=1
Case=SLU-SIS-22   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-22   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-22   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLU-SIS-22   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLU-SIS-22   LoadType="Load pattern"   LoadName=G1d-SLV-X   LoadSF=1
Case=SLU-SIS-22   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=.3
Case=SLU-SIS-23   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-23   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-23   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-23   LoadType="Load pattern"   LoadName=SPTKad-SX   LoadSF=1
Case=SLU-SIS-23   LoadType="Load pattern"   LoadName=SPTd-DX   LoadSF=1
Case=SLU-SIS-23   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-23   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-23   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLU-SIS-23   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLU-SIS-23   LoadType="Load pattern"   LoadName=G1d-SLV-X   LoadSF=1
Case=SLU-SIS-23   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=.3
Case=SLU-SIS-24   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-24   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-24   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-24   LoadType="Load pattern"   LoadName=SPTKad-SX   LoadSF=1
Case=SLU-SIS-24   LoadType="Load pattern"   LoadName=SPTd-DX   LoadSF=1
Case=SLU-SIS-24   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-24   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-24   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=-.5
Case=SLU-SIS-24   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=-.5
Case=SLU-SIS-24   LoadType="Load pattern"   LoadName=G1d-SLV-X   LoadSF=1
Case=SLU-SIS-24   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=.3
Case=SLU-SIS-25   LoadType="Load pattern"   LoadName=PROPRI   LoadSF=1
Case=SLU-SIS-25   LoadType="Load pattern"   LoadName=PERSUP   LoadSF=1
Case=SLU-SIS-25   LoadType="Load pattern"   LoadName=PERINF   LoadSF=1
Case=SLU-SIS-25   LoadType="Load pattern"   LoadName=SPTKad-SX   LoadSF=1
Case=SLU-SIS-25   LoadType="Load pattern"   LoadName=SPTd-DX   LoadSF=1
Case=SLU-SIS-25   LoadType="Load pattern"   LoadName=SPW-SX   LoadSF=1
Case=SLU-SIS-25   LoadType="Load pattern"   LoadName=SPW-DX   LoadSF=1
Case=SLU-SIS-25   LoadType="Load pattern"   LoadName=IDRO   LoadSF=1
Case=SLU-SIS-25   LoadType="Load pattern"   LoadName=TEMPUNI   LoadSF=.5
Case=SLU-SIS-25   LoadType="Load pattern"   LoadName=TEMPVAR   LoadSF=.5
Case=SLU-SIS-25   LoadType="Load pattern"   LoadName=G1d-SLV-X   LoadSF=.3
Case=SLU-SIS-25   LoadType="Load pattern"   LoadName=G1-SLV-Z   LoadSF=1
Case=SLU-SIS-25   LoadType="Load pattern"   LoadName=G3-SLV-X   LoadSF=.3
Case=SLU-SIS-25   LoadType="Load pattern"   LoadName=G3-SLV-Z   LoadSF=1
```

```
Case=SLU-SIS-26   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-SIS-26   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-SIS-26   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-SIS-26   LoadType="Load pattern"   LoadName=SPTKad-SX    LoadSF=1
Case=SLU-SIS-26   LoadType="Load pattern"   LoadName=SPTd-DX    LoadSF=1
Case=SLU-SIS-26   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-SIS-26   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-SIS-26   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLU-SIS-26   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=.5
Case=SLU-SIS-26   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-.5
Case=SLU-SIS-26   LoadType="Load pattern"   LoadName=G1d-SLV-X    LoadSF=.3
Case=SLU-SIS-26   LoadType="Load pattern"   LoadName=G1-SLV-Z    LoadSF=1
Case=SLU-SIS-26   LoadType="Load pattern"   LoadName=G3-SLV-X    LoadSF=.3
Case=SLU-SIS-26   LoadType="Load pattern"   LoadName=G3-SLV-Z    LoadSF=1
Case=SLU-SIS-27   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-SIS-27   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-SIS-27   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-SIS-27   LoadType="Load pattern"   LoadName=SPTKad-SX    LoadSF=1
Case=SLU-SIS-27   LoadType="Load pattern"   LoadName=SPTd-DX    LoadSF=1
Case=SLU-SIS-27   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-SIS-27   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-SIS-27   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLU-SIS-27   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-.5
Case=SLU-SIS-27   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=.5
Case=SLU-SIS-27   LoadType="Load pattern"   LoadName=G1d-SLV-X    LoadSF=.3
Case=SLU-SIS-27   LoadType="Load pattern"   LoadName=G1-SLV-Z    LoadSF=1
Case=SLU-SIS-27   LoadType="Load pattern"   LoadName=G3-SLV-X    LoadSF=.3
Case=SLU-SIS-27   LoadType="Load pattern"   LoadName=G3-SLV-Z    LoadSF=1
Case=SLU-SIS-28   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-SIS-28   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-SIS-28   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-SIS-28   LoadType="Load pattern"   LoadName=SPTKad-SX    LoadSF=1
Case=SLU-SIS-28   LoadType="Load pattern"   LoadName=SPTd-DX    LoadSF=1
Case=SLU-SIS-28   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-SIS-28   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-SIS-28   LoadType="Load pattern"   LoadName=IDRO    LoadSF=1
Case=SLU-SIS-28   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=-.5
Case=SLU-SIS-28   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-.5
Case=SLU-SIS-28   LoadType="Load pattern"   LoadName=G1d-SLV-X    LoadSF=.3
Case=SLU-SIS-28   LoadType="Load pattern"   LoadName=G1-SLV-Z    LoadSF=1
Case=SLU-SIS-28   LoadType="Load pattern"   LoadName=G3-SLV-X    LoadSF=.3
Case=SLU-SIS-28   LoadType="Load pattern"   LoadName=G3-SLV-Z    LoadSF=1
Case=SLU-SIS-29   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-SIS-29   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-SIS-29   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-SIS-29   LoadType="Load pattern"   LoadName=SPTKad-SX    LoadSF=1
Case=SLU-SIS-29   LoadType="Load pattern"   LoadName=SPTd-DX    LoadSF=1
Case=SLU-SIS-29   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-SIS-29   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-SIS-29   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=.5
Case=SLU-SIS-29   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=.5
Case=SLU-SIS-29   LoadType="Load pattern"   LoadName=G1d-SLV-X    LoadSF=.3
Case=SLU-SIS-29   LoadType="Load pattern"   LoadName=G1-SLV-Z    LoadSF=1
Case=SLU-SIS-30   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-SIS-30   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-SIS-30   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
Case=SLU-SIS-30   LoadType="Load pattern"   LoadName=SPTKad-SX    LoadSF=1
Case=SLU-SIS-30   LoadType="Load pattern"   LoadName=SPTd-DX    LoadSF=1
Case=SLU-SIS-30   LoadType="Load pattern"   LoadName=SPW-SX    LoadSF=1
Case=SLU-SIS-30   LoadType="Load pattern"   LoadName=SPW-DX    LoadSF=1
Case=SLU-SIS-30   LoadType="Load pattern"   LoadName=TEMPUNI    LoadSF=.5
Case=SLU-SIS-30   LoadType="Load pattern"   LoadName=TEMPVAR    LoadSF=-.5
Case=SLU-SIS-30   LoadType="Load pattern"   LoadName=G1d-SLV-X    LoadSF=.3
Case=SLU-SIS-30   LoadType="Load pattern"   LoadName=G1-SLV-Z    LoadSF=1
Case=SLU-SIS-31   LoadType="Load pattern"   LoadName=PROPRI    LoadSF=1
Case=SLU-SIS-31   LoadType="Load pattern"   LoadName=PERSUP    LoadSF=1
Case=SLU-SIS-31   LoadType="Load pattern"   LoadName=PERINF    LoadSF=1
```

```
   Case=SLU-SIS-31    LoadType="Load pattern"    LoadName=SPTKad-SX    LoadSF=1
   Case=SLU-SIS-31    LoadType="Load pattern"    LoadName=SPTd-DX    LoadSF=1
   Case=SLU-SIS-31    LoadType="Load pattern"    LoadName=SPW-SX    LoadSF=1
   Case=SLU-SIS-31    LoadType="Load pattern"    LoadName=SPW-DX    LoadSF=1
   Case=SLU-SIS-31    LoadType="Load pattern"    LoadName=TEMPUNI    LoadSF=-.5
   Case=SLU-SIS-31    LoadType="Load pattern"    LoadName=TEMPVAR    LoadSF=.5
   Case=SLU-SIS-31    LoadType="Load pattern"    LoadName=G1d-SLV-X    LoadSF=.3
   Case=SLU-SIS-31    LoadType="Load pattern"    LoadName=G1-SLV-Z    LoadSF=1
   Case=SLU-SIS-32    LoadType="Load pattern"    LoadName=PROPRI    LoadSF=1
   Case=SLU-SIS-32    LoadType="Load pattern"    LoadName=PERSUP    LoadSF=1
   Case=SLU-SIS-32    LoadType="Load pattern"    LoadName=PERINF    LoadSF=1
   Case=SLU-SIS-32    LoadType="Load pattern"    LoadName=SPTKad-SX    LoadSF=1
   Case=SLU-SIS-32    LoadType="Load pattern"    LoadName=SPTd-DX    LoadSF=1
   Case=SLU-SIS-32    LoadType="Load pattern"    LoadName=SPW-SX    LoadSF=1
   Case=SLU-SIS-32    LoadType="Load pattern"    LoadName=SPW-DX    LoadSF=1
   Case=SLU-SIS-32    LoadType="Load pattern"    LoadName=TEMPUNI    LoadSF=-.5
   Case=SLU-SIS-32    LoadType="Load pattern"    LoadName=TEMPVAR    LoadSF=-.5
   Case=SLU-SIS-32    LoadType="Load pattern"    LoadName=G1d-SLV-X    LoadSF=.3
   Case=SLU-SIS-32    LoadType="Load pattern"    LoadName=G1-SLV-Z    LoadSF=1

TABLE:  "CASE - STATIC 2 - NONLINEAR LOAD APPLICATION"
   Case=SLE-QP-01    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-02    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-03    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-04    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-05    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-06    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-07    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-08    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-09    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-10    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-11    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-12    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-13    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-14    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-15    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-16    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-17    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-18    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-19    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-20    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-21    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-22    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-23    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-24    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-25    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-26    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-27    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-28    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-29    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-30    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-31    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-QP-32    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-FR-01    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-FR-02    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-FR-03    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-FR-04    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-FR-05    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-FR-06    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-FR-07    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-FR-08    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-FR-09    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-FR-10    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-FR-11    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-FR-12    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-FR-13    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
   Case=SLE-FR-14    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
```

```
Case=SLE-FR-15   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-16   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-17   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-18   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-19   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-20   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-21   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-22   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-23   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-24   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-25   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-26   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-27   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-28   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-29   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-30   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-31   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-32   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-33   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-34   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-35   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-36   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-37   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-38   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-39   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-40   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-41   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-42   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-43   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-44   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-45   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-46   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-47   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-48   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-49   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-50   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-51   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-52   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-53   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-54   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-55   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-56   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-57   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-58   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-59   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-60   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-61   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-62   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-63   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-64   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-65   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-66   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-67   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-68   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-69   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-70   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-71   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-72   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-73   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-74   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-75   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-76   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-77   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-78   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-79   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-80   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-81   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
```

```
Case=SLE-FR-82   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-83   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-84   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-85   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-86   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-87   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-88   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-89   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-90   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-91   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-92   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-93   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-94   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-95   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-FR-96   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-001   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-002   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-003   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-004   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-005   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-006   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-007   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-008   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-009   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-010   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-011   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-012   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-013   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-014   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-015   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-016   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-017   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-018   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-019   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-020   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-021   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-022   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-023   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-024   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-025   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-026   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-027   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-028   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-029   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-030   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-031   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-032   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-033   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-034   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-035   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-036   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-037   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-038   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-039   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-040   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-041   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-042   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-043   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-044   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-045   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-046   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-047   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-048   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-049   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-050   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-051   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-052   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
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```
Case=SLE-CAR-053   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-054   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-055   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-056   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-057   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-058   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-059   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-060   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-061   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-062   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-063   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-064   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-065   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-066   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-067   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-068   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-069   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-070   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-071   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-072   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-073   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-074   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-075   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-076   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-077   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-078   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-079   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-080   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-081   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-082   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-083   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-084   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-085   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-086   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-087   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-088   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-089   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-090   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-091   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-092   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-093   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-094   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-095   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-096   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-097   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-098   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-099   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-100   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-101   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-102   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-103   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-104   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-105   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-106   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-107   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-108   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-109   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-110   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-111   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-112   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-113   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-114   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-115   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-116   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-117   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-118   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-119   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
```

```
Case=SLE-CAR-120   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-121   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-122   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-123   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-124   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-125   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-126   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-127   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-128   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-129   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-130   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-131   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-132   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-133   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-134   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-135   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-136   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-137   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-138   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-139   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-140   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-141   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-142   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-143   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-144   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-145   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-146   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-147   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-148   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-149   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-150   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-151   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-152   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-153   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-154   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-155   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-156   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-157   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-158   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-159   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-CAR-160   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-SIS-01   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-SIS-02   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-SIS-03   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-SIS-04   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-SIS-05   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-SIS-06   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-SIS-07   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-SIS-08   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-SIS-09   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-SIS-10   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-SIS-11   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-SIS-12   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-SIS-13   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-SIS-14   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-SIS-15   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLE-SIS-16   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-QP-01   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-QP-02   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-QP-03   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-QP-04   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-QP-05   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-QP-06   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-QP-07   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-QP-08   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-QP-09   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-QP-10   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
```

```
Case=FESS-QP-11    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-12    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-13    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-14    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-15    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-16    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-17    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-18    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-19    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-20    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-21    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-22    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-23    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-24    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-25    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-26    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-27    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-28    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-29    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-30    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-31    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-QP-32    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-01    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-02    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-03    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-04    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-05    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-06    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-07    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-08    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-09    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-10    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-11    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-12    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-13    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-14    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-15    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-16    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-17    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-18    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-19    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-20    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-21    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-22    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-23    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-24    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-25    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-26    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-27    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-28    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-29    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-30    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-31    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-32    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-33    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-34    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-35    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-36    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-37    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-38    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-39    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-40    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-41    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-42    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-43    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-44    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
Case=FESS-FR-45    LoadApp="Full Load"    MonitorDOF=U1    MonitorJt=2
```

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Case=FESS-FR-46   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-47   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-48   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-49   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-50   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-51   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-52   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-53   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-54   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-55   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-56   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-57   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-58   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-59   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-60   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-61   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-62   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-63   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-64   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-65   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-66   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-67   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-68   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-69   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-70   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-71   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-72   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-73   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-74   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-75   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-76   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-77   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-78   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-79   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-80   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-81   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-82   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-83   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-84   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-85   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-86   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-87   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-88   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-89   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-90   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-91   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-92   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-93   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-94   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-95   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=FESS-FR-96   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-001   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-002   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-003   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-004   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-005   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-006   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-007   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-008   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-009   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-010   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-011   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-012   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-013   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-014   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-015   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-016   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
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```
Case=SLU-STR-017   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-018   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-019   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-020   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-021   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-022   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-023   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-024   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-025   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-026   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-027   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-028   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-029   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-030   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-031   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-032   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-033   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-034   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-035   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-036   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-037   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-038   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-039   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-040   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-041   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-042   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-043   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-044   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-045   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-046   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-047   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-048   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-049   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-050   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-051   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-052   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-053   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-054   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-055   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-056   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-057   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-058   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-059   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-060   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-061   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-062   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-063   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-064   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-065   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-066   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-067   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-068   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-069   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-070   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-071   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-072   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-073   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-074   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-075   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-076   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-077   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-078   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-079   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-080   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-081   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-082   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-083   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
```

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Case=SLU-STR-084   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-085   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-086   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-087   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-088   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-089   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-090   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-091   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-092   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-093   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-094   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-095   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-096   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-097   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-098   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-099   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-100   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-101   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-102   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-103   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-104   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-105   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-106   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-107   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-108   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-109   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-110   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-111   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-112   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-113   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-114   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-115   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-116   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-117   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-118   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-119   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-120   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-121   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-122   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-123   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-124   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-125   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-126   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-127   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-128   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-129   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-130   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-131   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-132   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-133   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-134   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-135   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-136   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-137   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-138   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-139   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-140   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-141   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-142   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-143   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-144   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-145   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-146   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-147   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-148   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-149   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-150   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
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Case=SLU-STR-151   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-152   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-153   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-154   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-155   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-156   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-157   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-158   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-159   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-STR-160   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-001   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-002   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-003   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-004   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-005   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-006   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-007   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-008   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-009   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-010   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-011   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-012   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-013   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-014   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-015   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-016   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-017   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-018   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-019   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-020   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-021   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-022   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-023   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-024   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-025   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-026   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-027   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-028   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-029   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-030   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-031   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-032   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-033   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-034   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-035   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-036   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-037   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-038   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-039   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-040   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-041   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-042   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-043   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-044   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-045   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-046   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-047   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-048   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-049   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-050   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-051   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-052   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-053   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-054   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-055   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-056   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-057   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
```

```
Case=SLU-GEO-058   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-059   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-060   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-061   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-062   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-063   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-064   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-065   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-066   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-067   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-068   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-069   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-070   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-071   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-072   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-073   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-074   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-075   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-076   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-077   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-078   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-079   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-080   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-081   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-082   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-083   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-084   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-085   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-086   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-087   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-088   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-089   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-090   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-091   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-092   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-093   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-094   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-095   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-096   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-097   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-098   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-099   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-100   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-101   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-102   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-103   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-104   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-105   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-106   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-107   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-108   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-109   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-110   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-111   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-112   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-113   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-114   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-115   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-116   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-117   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-118   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-119   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-120   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-121   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-122   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-123   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-124   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
```

```
Case=SLU-GEO-125   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-126   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-127   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-128   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-129   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-130   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-131   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-132   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-133   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-134   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-135   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-136   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-137   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-138   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-139   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-140   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-141   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-142   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-143   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-144   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-145   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-146   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-147   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-148   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-149   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-150   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-151   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-152   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-153   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-154   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-155   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-156   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-157   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-158   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-159   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-GEO-160   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-01   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-02   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-03   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-04   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-05   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-06   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-07   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-08   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-09   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-10   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-11   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-12   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-13   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-14   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-15   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-16   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-17   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-18   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-19   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-20   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-21   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-22   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-23   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-24   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-25   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-26   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-27   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-28   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-29   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-30   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
Case=SLU-SIS-31   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2
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   Case=SLU-SIS-32   LoadApp="Full Load"   MonitorDOF=U1   MonitorJt=2

TABLE:  "CASE - STATIC 4 - NONLINEAR PARAMETERS"
   Case=SLE-QP-01     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-QP-02     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-QP-03     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-QP-04     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-QP-05     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-QP-06     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-QP-07     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-QP-08     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-QP-09     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-QP-10     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-QP-11     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-QP-12     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-QP-13     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-14    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-15    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-16    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-17    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-18    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-19    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-20    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-21    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-22    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-23    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-24    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-25    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-26    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
```

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   Case=SLE-QP-27     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200      MaxNull=50     MaxIterCS=10      MaxIterNR=40      ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1        LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-28     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200      MaxNull=50     MaxIterCS=10      MaxIterNR=40      ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1        LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-29     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200      MaxNull=50     MaxIterCS=10      MaxIterNR=40      ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1        LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-30     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200      MaxNull=50     MaxIterCS=10      MaxIterNR=40      ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1        LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-31     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200      MaxNull=50     MaxIterCS=10      MaxIterNR=40      ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1        LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-QP-32     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200      MaxNull=50     MaxIterCS=10      MaxIterNR=40      ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1        LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-01     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200      MaxNull=50     MaxIterCS=10      MaxIterNR=40      ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1        LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-02     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200      MaxNull=50     MaxIterCS=10      MaxIterNR=40      ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1        LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-03     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200      MaxNull=50     MaxIterCS=10      MaxIterNR=40      ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1        LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-04     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200      MaxNull=50     MaxIterCS=10      MaxIterNR=40      ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1        LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-05     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200      MaxNull=50     MaxIterCS=10      MaxIterNR=40      ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1        LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-06     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200      MaxNull=50     MaxIterCS=10      MaxIterNR=40      ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1        LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-07     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200      MaxNull=50     MaxIterCS=10      MaxIterNR=40      ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1        LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-08     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200      MaxNull=50     MaxIterCS=10      MaxIterNR=40      ItConvTol=0.0001
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UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-09     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-10     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-11     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-12     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-13     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-14     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-15     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-16     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-17     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-18     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-19     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-20     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-21     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-22    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-23    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-24    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-25    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-26    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-27    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-28    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-29    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-30    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-31    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-32    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-33    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-34    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
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   Case=SLE-FR-35     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes     FrameHinge=Yes     CableTC=Yes     LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-36     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes     FrameHinge=Yes     CableTC=Yes     LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-37     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes     FrameHinge=Yes     CableTC=Yes     LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-38     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes     FrameHinge=Yes     CableTC=Yes     LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-39     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes     FrameHinge=Yes     CableTC=Yes     LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-40     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes     FrameHinge=Yes     CableTC=Yes     LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-41     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes     FrameHinge=Yes     CableTC=Yes     LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-42     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes     FrameHinge=Yes     CableTC=Yes     LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-43     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes     FrameHinge=Yes     CableTC=Yes     LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-44     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes     FrameHinge=Yes     CableTC=Yes     LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-45     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes     FrameHinge=Yes     CableTC=Yes     LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-46     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes     FrameHinge=Yes     CableTC=Yes     LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-47     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes     FrameHinge=Yes     CableTC=Yes     LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-48     Unloading="Unload  Entire"     GeoNonLin=None      ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
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UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-49     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-50     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-51     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-52     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-53     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-54     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-55     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-56     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-57     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-58     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-59     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-60     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-61     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-62    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-63    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-64    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-65    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-66    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-67    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-68    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-69    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-70    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-71    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-72    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-73    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-74    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
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   Case=SLE-FR-75    Unloading="Unload  Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-76    Unloading="Unload  Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-77    Unloading="Unload  Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-78    Unloading="Unload  Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-79    Unloading="Unload  Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-80    Unloading="Unload  Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-81    Unloading="Unload  Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-82    Unloading="Unload  Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-83    Unloading="Unload  Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-84    Unloading="Unload  Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-85    Unloading="Unload  Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-86    Unloading="Unload  Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-87    Unloading="Unload  Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-88    Unloading="Unload  Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
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UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-89     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-90     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-91     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-92     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-93     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-94     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-95     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-FR-96     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-001     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-002     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-003     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-004     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-005     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-006    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-007    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-008    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-009    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-010    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-011    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-012    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-013    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-014    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-015    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-016    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-017    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-018    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
```

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   Case=SLE-CAR-019    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-020    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-021    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-022    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-023    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-024    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-025    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-026    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-027    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-028    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-029    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-030    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-031    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-032    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
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UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-033    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-034    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-035    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-036    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-037    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-038    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-039    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-040    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-041    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-042    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-043    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-044    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-045    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-046    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-047    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-048    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-049    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-050    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-051    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-052    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-053    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-054    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-055    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-056    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-057    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-058    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
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   Case=SLE-CAR-059    Unloading="Unload Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-060    Unloading="Unload Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-061    Unloading="Unload Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-062    Unloading="Unload Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-063    Unloading="Unload Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-064    Unloading="Unload Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-065    Unloading="Unload Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-066    Unloading="Unload Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-067    Unloading="Unload Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-068    Unloading="Unload Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-069    Unloading="Unload Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-070    Unloading="Unload Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-071    Unloading="Unload Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-072    Unloading="Unload Entire"    GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
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UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-073    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-074    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-075    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-076    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-077    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-078    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-079    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-080    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-081    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-082    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-083    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-084    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-085    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-086    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-087    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-088    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-089    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-090    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-091    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-092    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-093    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-094    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-095    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-096    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-097    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-098    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
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   Case=SLE-CAR-099    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-100    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-101    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-102    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-103    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-104    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-105    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-106    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-107    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-108    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-109    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-110    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-111    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-112    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
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UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-113    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-114    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-115    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-116    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-117    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-118    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-119    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-120    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-121    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-122    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-123    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-124    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-125    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-126    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-127    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-128    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-129    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-130    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-131    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-132    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-133    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-134    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-135    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-136    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-137    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLE-CAR-138    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
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   Case=SLE-CAR-139    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-140    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-141    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-142    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-143    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-144    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-145    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-146    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-147    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-148    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-149    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-150    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-151    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-152    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
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UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-153    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-154    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-155    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-156    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-157    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-158    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-159    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-CAR-160    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-SIS-01    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-SIS-02    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-SIS-03    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-SIS-04    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-SIS-05    Unloading="Unload  Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
```

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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-SIS-06    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-SIS-07    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-SIS-08    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-SIS-09    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-SIS-10    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-SIS-11    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-SIS-12    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-SIS-13    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-SIS-14    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-SIS-15    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLE-SIS-16    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-01    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-02    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
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   Case=FESS-QP-03    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-04    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-05    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-06    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-07    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-08    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-09    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-10    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-11    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-12    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-13    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-14    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-15    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-16    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
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UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-17    Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-18    Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-19    Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-20    Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-21    Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-22    Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-23    Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-24    Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-25    Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-26    Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-27    Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-28    Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-29    Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-30    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-31    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-QP-32    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-01    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-02    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-03    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-04    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-05    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-06    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-07    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-08    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-09    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-10    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
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   Case=FESS-FR-11    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-12    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-13    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-14    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-15    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-16    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-17    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-18    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-19    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-20    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-21    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-22    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-23    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-24    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
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UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-25    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-26    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-27    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-28    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-29    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-30    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-31    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-32    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-33    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-34    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-35    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-36    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-37    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-38    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-39    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-40    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-41    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-42    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-43    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-44    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-45    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-46    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-47    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-48    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-49    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-50    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
```

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   Case=FESS-FR-51     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-52     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-53     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-54     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-55     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-56     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-57     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-58     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-59     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-60     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-61     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-62     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-63     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes     LinkOther=Yes     TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-64     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
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UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-65     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-66     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-67     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-68     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-69     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-70     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-71     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-72     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-73     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-74     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-75     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-76     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=FESS-FR-77     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-78    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-79    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-80    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-81    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-82    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-83    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-84    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-85    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-86    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-87    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-88    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-89    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-90    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
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   Case=FESS-FR-91    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-92    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-93    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-94    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-95    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=FESS-FR-96    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-001    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-002    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-003    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-004    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-005    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-006    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-007    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-008    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
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UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-009    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-010    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-011    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-012    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-013    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-014    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-015    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-016    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-017    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-018    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-019    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-020    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-021    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
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FrameTC=Yes   FrameHinge=Yes   CableTC=Yes   LinkTC=Yes   LinkOther=Yes   TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-022   Unloading="Unload Entire"   GeoNonLin=None   ResultsSave="Final
State"   MaxTotal=200   MaxNull=50   MaxIterCS=10   MaxIterNR=40   ItConvTol=0.0001
UseEvStep=Yes   EvLumpTol=0.01   LSPerIter=20   LSTol=0.1   LSStepFact=1.618
FrameTC=Yes   FrameHinge=Yes   CableTC=Yes   LinkTC=Yes   LinkOther=Yes   TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-023   Unloading="Unload Entire"   GeoNonLin=None   ResultsSave="Final
State"   MaxTotal=200   MaxNull=50   MaxIterCS=10   MaxIterNR=40   ItConvTol=0.0001
UseEvStep=Yes   EvLumpTol=0.01   LSPerIter=20   LSTol=0.1   LSStepFact=1.618
FrameTC=Yes   FrameHinge=Yes   CableTC=Yes   LinkTC=Yes   LinkOther=Yes   TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-024   Unloading="Unload Entire"   GeoNonLin=None   ResultsSave="Final
State"   MaxTotal=200   MaxNull=50   MaxIterCS=10   MaxIterNR=40   ItConvTol=0.0001
UseEvStep=Yes   EvLumpTol=0.01   LSPerIter=20   LSTol=0.1   LSStepFact=1.618
FrameTC=Yes   FrameHinge=Yes   CableTC=Yes   LinkTC=Yes   LinkOther=Yes   TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-025   Unloading="Unload Entire"   GeoNonLin=None   ResultsSave="Final
State"   MaxTotal=200   MaxNull=50   MaxIterCS=10   MaxIterNR=40   ItConvTol=0.0001
UseEvStep=Yes   EvLumpTol=0.01   LSPerIter=20   LSTol=0.1   LSStepFact=1.618
FrameTC=Yes   FrameHinge=Yes   CableTC=Yes   LinkTC=Yes   LinkOther=Yes   TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-026   Unloading="Unload Entire"   GeoNonLin=None   ResultsSave="Final
State"   MaxTotal=200   MaxNull=50   MaxIterCS=10   MaxIterNR=40   ItConvTol=0.0001
UseEvStep=Yes   EvLumpTol=0.01   LSPerIter=20   LSTol=0.1   LSStepFact=1.618
FrameTC=Yes   FrameHinge=Yes   CableTC=Yes   LinkTC=Yes   LinkOther=Yes   TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-027   Unloading="Unload Entire"   GeoNonLin=None   ResultsSave="Final
State"   MaxTotal=200   MaxNull=50   MaxIterCS=10   MaxIterNR=40   ItConvTol=0.0001
UseEvStep=Yes   EvLumpTol=0.01   LSPerIter=20   LSTol=0.1   LSStepFact=1.618
FrameTC=Yes   FrameHinge=Yes   CableTC=Yes   LinkTC=Yes   LinkOther=Yes   TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-028   Unloading="Unload Entire"   GeoNonLin=None   ResultsSave="Final
State"   MaxTotal=200   MaxNull=50   MaxIterCS=10   MaxIterNR=40   ItConvTol=0.0001
UseEvStep=Yes   EvLumpTol=0.01   LSPerIter=20   LSTol=0.1   LSStepFact=1.618
FrameTC=Yes   FrameHinge=Yes   CableTC=Yes   LinkTC=Yes   LinkOther=Yes   TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-029   Unloading="Unload Entire"   GeoNonLin=None   ResultsSave="Final
State"   MaxTotal=200   MaxNull=50   MaxIterCS=10   MaxIterNR=40   ItConvTol=0.0001
UseEvStep=Yes   EvLumpTol=0.01   LSPerIter=20   LSTol=0.1   LSStepFact=1.618
FrameTC=Yes   FrameHinge=Yes   CableTC=Yes   LinkTC=Yes   LinkOther=Yes   TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-030   Unloading="Unload Entire"   GeoNonLin=None   ResultsSave="Final
State"   MaxTotal=200   MaxNull=50   MaxIterCS=10   MaxIterNR=40   ItConvTol=0.0001
UseEvStep=Yes   EvLumpTol=0.01   LSPerIter=20   LSTol=0.1   LSStepFact=1.618
FrameTC=Yes   FrameHinge=Yes   CableTC=Yes   LinkTC=Yes   LinkOther=Yes   TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-031   Unloading="Unload Entire"   GeoNonLin=None   ResultsSave="Final
State"   MaxTotal=200   MaxNull=50   MaxIterCS=10   MaxIterNR=40   ItConvTol=0.0001
UseEvStep=Yes   EvLumpTol=0.01   LSPerIter=20   LSTol=0.1   LSStepFact=1.618
FrameTC=Yes   FrameHinge=Yes   CableTC=Yes   LinkTC=Yes   LinkOther=Yes   TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-032   Unloading="Unload Entire"   GeoNonLin=None   ResultsSave="Final
State"   MaxTotal=200   MaxNull=50   MaxIterCS=10   MaxIterNR=40   ItConvTol=0.0001
UseEvStep=Yes   EvLumpTol=0.01   LSPerIter=20   LSTol=0.1   LSStepFact=1.618
FrameTC=Yes   FrameHinge=Yes   CableTC=Yes   LinkTC=Yes   LinkOther=Yes   TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-033   Unloading="Unload Entire"   GeoNonLin=None   ResultsSave="Final
State"   MaxTotal=200   MaxNull=50   MaxIterCS=10   MaxIterNR=40   ItConvTol=0.0001
UseEvStep=Yes   EvLumpTol=0.01   LSPerIter=20   LSTol=0.1   LSStepFact=1.618
FrameTC=Yes   FrameHinge=Yes   CableTC=Yes   LinkTC=Yes   LinkOther=Yes   TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-034   Unloading="Unload Entire"   GeoNonLin=None   ResultsSave="Final
State"   MaxTotal=200   MaxNull=50   MaxIterCS=10   MaxIterNR=40   ItConvTol=0.0001
UseEvStep=Yes   EvLumpTol=0.01   LSPerIter=20   LSTol=0.1   LSStepFact=1.618
FrameTC=Yes   FrameHinge=Yes   CableTC=Yes   LinkTC=Yes   LinkOther=Yes   TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
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   Case=SLU-STR-035    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-036    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-037    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-038    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-039    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-040    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-041    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-042    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-043    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-044    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-045    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-046    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-047    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-048    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
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UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-049    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-050    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-051    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-052    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-053    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-054    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-055    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-056    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-057    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-058    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-059    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-060    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-061    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-062    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-063    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-064    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-065    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-066    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-067    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-068    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-069    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-070    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-071    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-072    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-073    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-074    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
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   Case=SLU-STR-075     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-076     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-077     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-078     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-079     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-080     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-081     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-082     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-083     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-084     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-085     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-086     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-087     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-STR-088     Unloading="Unload Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
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UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-089    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-090    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-091    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-092    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-093    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-094    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-095    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-096    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-097    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-098    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-099    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-100    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-101    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
```

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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-102    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-103    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-104    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-105    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-106    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-107    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-108    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-109    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-110    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-111    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-112    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-113    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-114    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
```

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   Case=SLU-STR-115    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-116    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-117    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-118    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-119    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-120    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-121    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-122    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-123    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-124    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-125    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-126    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-127    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-128    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
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UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-129    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-130    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-131    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-132    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-133    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-134    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-135    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-136    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-137    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-138    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-139    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-140    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-141    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-142    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-143    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-144    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-145    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-146    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-147    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-148    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-149    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-150    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-151    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-152    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-153    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-154    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"   MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
```

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   Case=SLU-STR-155    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-156    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-157    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-158    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-159    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-STR-160    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-001    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-002    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-003    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-004    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-005    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-006    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-007    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-008    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
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UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-009    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-010    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-011    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-012    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-013    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-014    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-015    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-016    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-017    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-018    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-019    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-020    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-021    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-022    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-023    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-024    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-025    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-026    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-027    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-028    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-029    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-030    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-031    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-032    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-033    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-034    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
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   Case=SLU-GEO-035    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-036    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-037    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-038    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-039    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-040    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-041    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-042    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-043    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-044    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-045    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-046    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-047    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-048    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
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UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-049    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-050    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-051    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-052    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-053    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-054    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-055    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-056    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-057    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-058    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-059    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-060    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-061    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-062    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-063    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-064    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-065    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-066    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-067    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-068    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-069    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-070    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-071    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-072    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-073    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-074    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
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   Case=SLU-GEO-075    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-076    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-077    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-078    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-079    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-080    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-081    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-082    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-083    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-084    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-085    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-086    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-087    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-GEO-088    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
```

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UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-089    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-090    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-091    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-092    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-093    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-094    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-095    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-096    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-097    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-098    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-099    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-100    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-101    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-102    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-103    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-104    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-105    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-106    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-107    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-108    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-109    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-110    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-111    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-112    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-113    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-114    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
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   Case=SLU-GEO-115    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-116    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-117    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-118    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-119    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-120    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-121    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-122    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-123    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-124    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-125    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-126    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-127    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-128    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
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UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-129    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-130    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-131    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-132    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-133    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-134    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-135    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-136    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-137    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-138    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-139    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-140    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-141    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
```

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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-142    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-143    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-144    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-145    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-146    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-147    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-148    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-149    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-150    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-151    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-152    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-153    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-154    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes     EvLumpTol=0.01     LSPerIter=20     LSTol=0.1     LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
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   Case=SLU-GEO-155    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-156    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-157    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-158    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-159    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-GEO-160    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-01    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-02    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-03    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-04    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-05    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-06    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-07    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes    EvLumpTol=0.01    LSPerIter=20    LSTol=0.1    LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-08    Unloading="Unload Entire"    GeoNonLin=None    ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
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UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-09    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-10    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-11    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-12    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-13    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-14    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-15    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-16    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-17    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-18    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-19    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-20    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01   TFAccelFact=1   TFNoStop=No
   Case=SLU-SIS-21    Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"    MaxTotal=200    MaxNull=50    MaxIterCS=10    MaxIterNR=40    ItConvTol=0.0001
UseEvStep=Yes      EvLumpTol=0.01      LSPerIter=20      LSTol=0.1      LSStepFact=1.618
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FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-SIS-22     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-SIS-23     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-SIS-24     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-SIS-25     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-SIS-26     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-SIS-27     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-SIS-28     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-SIS-29     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-SIS-30     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-SIS-31     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No
   Case=SLU-SIS-32     Unloading="Unload  Entire"     GeoNonLin=None     ResultsSave="Final
State"     MaxTotal=200     MaxNull=50     MaxIterCS=10     MaxIterNR=40     ItConvTol=0.0001
UseEvStep=Yes       EvLumpTol=0.01       LSPerIter=20       LSTol=0.1       LSStepFact=1.618
FrameTC=Yes    FrameHinge=Yes    CableTC=Yes    LinkTC=Yes    LinkOther=Yes    TFMaxIter=10
TFTol=0.01    TFAccelFact=1    TFNoStop=No

TABLE:  "JOINT COORDINATES"
   Joint=1    CoordSys=GLOBAL    CoordType=Cartesian    XorR=0    Y=0    Z=0    SpecialJt=No
GlobalX=0    GlobalY=0    GlobalZ=0
   Joint=2    CoordSys=GLOBAL    CoordType=Cartesian    XorR=0    Y=0    Z=2.35    SpecialJt=No
GlobalX=0    GlobalY=0    GlobalZ=2.35
   Joint=3      CoordSys=GLOBAL      CoordType=Cartesian      XorR=2.3      Y=0      Z=2.35
SpecialJt=No    GlobalX=2.3    GlobalY=0    GlobalZ=2.35
   Joint=4    CoordSys=GLOBAL    CoordType=Cartesian    XorR=2.3    Y=0    Z=0    SpecialJt=No
GlobalX=2.3    GlobalY=0    GlobalZ=0
```

```
   Joint=5    CoordSys=GLOBAL    CoordType=Cartesian    XorR=.104545454545455    Y=0    Z=0
SpecialJt=No    GlobalX=.104545454545455    GlobalY=0    GlobalZ=0
   Joint=6    CoordSys=GLOBAL    CoordType=Cartesian    XorR=.313636363636364    Y=0    Z=0
SpecialJt=No    GlobalX=.313636363636364    GlobalY=0    GlobalZ=0
   Joint=7    CoordSys=GLOBAL    CoordType=Cartesian    XorR=.522727272727273    Y=0    Z=0
SpecialJt=No    GlobalX=.522727272727273    GlobalY=0    GlobalZ=0
   Joint=8    CoordSys=GLOBAL    CoordType=Cartesian    XorR=.731818181818182    Y=0    Z=0
SpecialJt=No    GlobalX=.731818181818182    GlobalY=0    GlobalZ=0
   Joint=9    CoordSys=GLOBAL    CoordType=Cartesian    XorR=.940909090909091    Y=0    Z=0
SpecialJt=No    GlobalX=.940909090909091    GlobalY=0    GlobalZ=0
   Joint=10    CoordSys=GLOBAL    CoordType=Cartesian    XorR=1.15    Y=0    Z=0
SpecialJt=No    GlobalX=1.15    GlobalY=0    GlobalZ=0
   Joint=11    CoordSys=GLOBAL    CoordType=Cartesian    XorR=1.35909090909091    Y=0    Z=0
SpecialJt=No    GlobalX=1.35909090909091    GlobalY=0    GlobalZ=0
   Joint=12    CoordSys=GLOBAL    CoordType=Cartesian    XorR=1.56818181818182    Y=0    Z=0
SpecialJt=No    GlobalX=1.56818181818182    GlobalY=0    GlobalZ=0
   Joint=13    CoordSys=GLOBAL    CoordType=Cartesian    XorR=1.77727272727273    Y=0    Z=0
SpecialJt=No    GlobalX=1.77727272727273    GlobalY=0    GlobalZ=0
   Joint=14    CoordSys=GLOBAL    CoordType=Cartesian    XorR=1.98636363636364    Y=0    Z=0
SpecialJt=No    GlobalX=1.98636363636364    GlobalY=0    GlobalZ=0
   Joint=15    CoordSys=GLOBAL    CoordType=Cartesian    XorR=2.19545454545455    Y=0    Z=0
SpecialJt=No    GlobalX=2.19545454545455    GlobalY=0    GlobalZ=0
   Joint=16    CoordSys=GLOBAL    CoordType=Cartesian    XorR=.104545454545455    Y=0    Z=-
0.2    SpecialJt=No    GlobalX=.104545454545455    GlobalY=0    GlobalZ=-0.2
   Joint=17    CoordSys=GLOBAL    CoordType=Cartesian    XorR=.313636363636364    Y=0    Z=-
0.2    SpecialJt=No    GlobalX=.313636363636364    GlobalY=0    GlobalZ=-0.2
   Joint=18    CoordSys=GLOBAL    CoordType=Cartesian    XorR=.522727272727273    Y=0    Z=-
0.2    SpecialJt=No    GlobalX=.522727272727273    GlobalY=0    GlobalZ=-0.2
   Joint=19    CoordSys=GLOBAL    CoordType=Cartesian    XorR=.731818181818182    Y=0    Z=-
0.2    SpecialJt=No    GlobalX=.731818181818182    GlobalY=0    GlobalZ=-0.2
   Joint=20    CoordSys=GLOBAL    CoordType=Cartesian    XorR=.940909090909091    Y=0    Z=-
0.2    SpecialJt=No    GlobalX=.940909090909091    GlobalY=0    GlobalZ=-0.2
   Joint=21    CoordSys=GLOBAL    CoordType=Cartesian    XorR=1.15    Y=0    Z=-0.2
SpecialJt=No    GlobalX=1.15    GlobalY=0    GlobalZ=-0.2
   Joint=22    CoordSys=GLOBAL    CoordType=Cartesian    XorR=1.35909090909091    Y=0    Z=-
0.2    SpecialJt=No    GlobalX=1.35909090909091    GlobalY=0    GlobalZ=-0.2
   Joint=23    CoordSys=GLOBAL    CoordType=Cartesian    XorR=1.56818181818182    Y=0    Z=-
0.2    SpecialJt=No    GlobalX=1.56818181818182    GlobalY=0    GlobalZ=-0.2
   Joint=24    CoordSys=GLOBAL    CoordType=Cartesian    XorR=1.77727272727273    Y=0    Z=-
0.2    SpecialJt=No    GlobalX=1.77727272727273    GlobalY=0    GlobalZ=-0.2
   Joint=25    CoordSys=GLOBAL    CoordType=Cartesian    XorR=1.98636363636364    Y=0    Z=-
0.2    SpecialJt=No    GlobalX=1.98636363636364    GlobalY=0    GlobalZ=-0.2
   Joint=26    CoordSys=GLOBAL    CoordType=Cartesian    XorR=2.19545454545455    Y=0    Z=-
0.2    SpecialJt=No    GlobalX=2.19545454545455    GlobalY=0    GlobalZ=-0.2

TABLE:  "CONNECTIVITY - FRAME"
   Frame=1    JointI=1    JointJ=2    IsCurved=No    Lenght=2.35    CentroidX=0    CentroidY=0
CentroidZ=1.175
   Frame=2    JointI=2    JointJ=3    IsCurved=No    Lenght=2.3    CentroidX=1.15
CentroidY=0    CentroidZ=2.35
   Frame=3    JointI=4    JointJ=3    IsCurved=No    Lenght=2.35    CentroidX=2.3
CentroidY=0    CentroidZ=1.175
   Frame=4    JointI=1    JointJ=5    IsCurved=No    Lenght=.104545454545455
CentroidX=5.22727272727273E-02    CentroidY=0    CentroidZ=0
   Frame=5    JointI=5    JointJ=6    IsCurved=No    Lenght=.209090909090909
CentroidX=.209090909090909    CentroidY=0    CentroidZ=0
   Frame=6    JointI=6    JointJ=7    IsCurved=No    Lenght=.209090909090909
CentroidX=.418181818181818    CentroidY=0    CentroidZ=0
   Frame=7    JointI=7    JointJ=8    IsCurved=No    Lenght=.209090909090909
CentroidX=.627272727272727    CentroidY=0    CentroidZ=0
   Frame=8    JointI=8    JointJ=9    IsCurved=No    Lenght=.209090909090909
CentroidX=.836363636363636    CentroidY=0    CentroidZ=0
   Frame=9    JointI=9    JointJ=10    IsCurved=No    Lenght=.209090909090909
CentroidX=1.04545454545455    CentroidY=0    CentroidZ=0
   Frame=10    JointI=10    JointJ=11    IsCurved=No    Lenght=.209090909090909
CentroidX=1.25454545454545    CentroidY=0    CentroidZ=0
```

```
   Frame=11       JointI=11       JointJ=12       IsCurved=No       Lenght=.209090909090909
CentroidX=1.46363636363636   CentroidY=0   CentroidZ=0
   Frame=12       JointI=12       JointJ=13       IsCurved=No       Lenght=.209090909090909
CentroidX=1.67272727272727   CentroidY=0   CentroidZ=0
   Frame=13       JointI=13       JointJ=14       IsCurved=No       Lenght=.209090909090909
CentroidX=1.88181818181818   CentroidY=0   CentroidZ=0
   Frame=14       JointI=14       JointJ=15       IsCurved=No       Lenght=.209090909090909
CentroidX=2.09090909090909   CentroidY=0   CentroidZ=0
   Frame=15       JointI=15       JointJ=4       IsCurved=No       Lenght=.104545454545455
CentroidX=2.24772727272727   CentroidY=0   CentroidZ=0

TABLE:  "CONNECTIVITY - LINK"
   Link=5   JointI=16   JointJ=5
   Link=6   JointI=17   JointJ=6
   Link=7   JointI=18   JointJ=7
   Link=8   JointI=19   JointJ=8
   Link=9   JointI=20   JointJ=9
   Link=10   JointI=21   JointJ=10
   Link=11   JointI=22   JointJ=11
   Link=12   JointI=23   JointJ=12
   Link=13   JointI=24   JointJ=13
   Link=14   JointI=25   JointJ=14
   Link=15   JointI=26   JointJ=15

TABLE:  "JOINT RESTRAINT ASSIGNMENTS"
   Joint=16   U1=No   U2=No   U3=Yes   R1=No   R2=No   R3=No
   Joint=17   U1=No   U2=No   U3=Yes   R1=No   R2=No   R3=No
   Joint=18   U1=No   U2=No   U3=Yes   R1=No   R2=No   R3=No
   Joint=19   U1=No   U2=No   U3=Yes   R1=No   R2=No   R3=No
   Joint=20   U1=No   U2=No   U3=Yes   R1=No   R2=No   R3=No
   Joint=21   U1=No   U2=No   U3=Yes   R1=No   R2=No   R3=No
   Joint=22   U1=No   U2=No   U3=Yes   R1=No   R2=No   R3=No
   Joint=23   U1=No   U2=No   U3=Yes   R1=No   R2=No   R3=No
   Joint=24   U1=No   U2=No   U3=Yes   R1=No   R2=No   R3=No
   Joint=25   U1=No   U2=No   U3=Yes   R1=No   R2=No   R3=No
   Joint=26   U1=No   U2=No   U3=Yes   R1=No   R2=No   R3=No

TABLE:  "JOINT SPRING ASSIGNMENTS 1 - UNCOUPLED"
   Joint=5   CoordSys=Local   U1=6272   U2=0   U3=0   R1=0   R2=0   R3=0
   Joint=6   CoordSys=Local   U1=6272   U2=0   U3=0   R1=0   R2=0   R3=0
   Joint=7   CoordSys=Local   U1=6272   U2=0   U3=0   R1=0   R2=0   R3=0
   Joint=8   CoordSys=Local   U1=6272   U2=0   U3=0   R1=0   R2=0   R3=0
   Joint=9   CoordSys=Local   U1=6272   U2=0   U3=0   R1=0   R2=0   R3=0
   Joint=10   CoordSys=Local   U1=6272   U2=0   U3=0   R1=0   R2=0   R3=0
   Joint=11   CoordSys=Local   U1=6272   U2=0   U3=0   R1=0   R2=0   R3=0
   Joint=12   CoordSys=Local   U1=6272   U2=0   U3=0   R1=0   R2=0   R3=0
   Joint=13   CoordSys=Local   U1=6272   U2=0   U3=0   R1=0   R2=0   R3=0
   Joint=14   CoordSys=Local   U1=6272   U2=0   U3=0   R1=0   R2=0   R3=0
   Joint=15   CoordSys=Local   U1=6272   U2=0   U3=0   R1=0   R2=0   R3=0

TABLE:  "FRAME SECTION ASSIGNMENTS"
   Frame=1       SectionType=Rectangular       AutoSelect=N.A.       AnalSect=RITTI
DesignSect=RITTI   MatProp=Default
   Frame=2       SectionType=Rectangular       AutoSelect=N.A.       AnalSect=SOLETTA
DesignSect=SOLETTA   MatProp=Default
   Frame=3       SectionType=Rectangular       AutoSelect=N.A.       AnalSect=RITTI
DesignSect=RITTI   MatProp=Default
   Frame=4       SectionType=Rectangular       AutoSelect=N.A.       AnalSect=FONDAZIONE
DesignSect=FONDAZIONE   MatProp=Default
   Frame=5       SectionType=Rectangular       AutoSelect=N.A.       AnalSect=FONDAZIONE
DesignSect=FONDAZIONE   MatProp=Default
   Frame=6       SectionType=Rectangular       AutoSelect=N.A.       AnalSect=FONDAZIONE
DesignSect=FONDAZIONE   MatProp=Default
   Frame=7       SectionType=Rectangular       AutoSelect=N.A.       AnalSect=FONDAZIONE
DesignSect=FONDAZIONE   MatProp=Default
   Frame=8       SectionType=Rectangular       AutoSelect=N.A.       AnalSect=FONDAZIONE
DesignSect=FONDAZIONE   MatProp=Default
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   Frame=9        SectionType=Rectangular        AutoSelect=N.A.        AnalSect=FONDAZIONE
DesignSect=FONDAZIONE   MatProp=Default
   Frame=10       SectionType=Rectangular        AutoSelect=N.A.        AnalSect=FONDAZIONE
DesignSect=FONDAZIONE   MatProp=Default
   Frame=11       SectionType=Rectangular        AutoSelect=N.A.        AnalSect=FONDAZIONE
DesignSect=FONDAZIONE   MatProp=Default
   Frame=12       SectionType=Rectangular        AutoSelect=N.A.        AnalSect=FONDAZIONE
DesignSect=FONDAZIONE   MatProp=Default
   Frame=13       SectionType=Rectangular        AutoSelect=N.A.        AnalSect=FONDAZIONE
DesignSect=FONDAZIONE   MatProp=Default
   Frame=14       SectionType=Rectangular        AutoSelect=N.A.        AnalSect=FONDAZIONE
DesignSect=FONDAZIONE   MatProp=Default
   Frame=15       SectionType=Rectangular        AutoSelect=N.A.        AnalSect=FONDAZIONE
DesignSect=FONDAZIONE   MatProp=Default

TABLE:  "FRAME LOCAL AXES ASSIGNMENTS 1 - TYPICAL"
   Frame=1   Angle=180   MirrorAbt2=No   MirrorAbt3=No   AdvancedAxes=No

TABLE:  "FRAME OUTPUT STATION ASSIGNMENTS"
   Frame=1   StationType=MinNumSta   MinNumSta=12   AddAtElmInt=Yes   AddAtPtLoad=Yes
   Frame=2   StationType=MinNumSta   MinNumSta=12   AddAtElmInt=Yes   AddAtPtLoad=Yes
   Frame=3   StationType=MinNumSta   MinNumSta=12   AddAtElmInt=Yes   AddAtPtLoad=Yes
   Frame=4   StationType=MinNumSta   MinNumSta=2   AddAtElmInt=Yes   AddAtPtLoad=Yes
   Frame=5   StationType=MinNumSta   MinNumSta=2   AddAtElmInt=Yes   AddAtPtLoad=Yes
   Frame=6   StationType=MinNumSta   MinNumSta=2   AddAtElmInt=Yes   AddAtPtLoad=Yes
   Frame=7   StationType=MinNumSta   MinNumSta=2   AddAtElmInt=Yes   AddAtPtLoad=Yes
   Frame=8   StationType=MinNumSta   MinNumSta=2   AddAtElmInt=Yes   AddAtPtLoad=Yes
   Frame=9   StationType=MinNumSta   MinNumSta=2   AddAtElmInt=Yes   AddAtPtLoad=Yes
   Frame=10   StationType=MinNumSta   MinNumSta=2   AddAtElmInt=Yes   AddAtPtLoad=Yes
   Frame=11   StationType=MinNumSta   MinNumSta=2   AddAtElmInt=Yes   AddAtPtLoad=Yes
   Frame=12   StationType=MinNumSta   MinNumSta=2   AddAtElmInt=Yes   AddAtPtLoad=Yes
   Frame=13   StationType=MinNumSta   MinNumSta=2   AddAtElmInt=Yes   AddAtPtLoad=Yes
   Frame=14   StationType=MinNumSta   MinNumSta=2   AddAtElmInt=Yes   AddAtPtLoad=Yes
   Frame=15   StationType=MinNumSta   MinNumSta=2   AddAtElmInt=Yes   AddAtPtLoad=Yes

TABLE:  "FRAME LOADS - GRAVITY"
   Frame=1     LoadPat=G1-SLD-X     CoordSys=GLOBAL     MultiplierX=.1575     MultiplierY=0
MultiplierZ=0
   Frame=2     LoadPat=G1-SLD-X     CoordSys=GLOBAL     MultiplierX=.1575     MultiplierY=0
MultiplierZ=0
   Frame=3     LoadPat=G1-SLD-X     CoordSys=GLOBAL     MultiplierX=.1575     MultiplierY=0
MultiplierZ=0
   Frame=4     LoadPat=G1-SLD-X     CoordSys=GLOBAL     MultiplierX=.1575     MultiplierY=0
MultiplierZ=0
   Frame=5     LoadPat=G1-SLD-X     CoordSys=GLOBAL     MultiplierX=.1575     MultiplierY=0
MultiplierZ=0
   Frame=6     LoadPat=G1-SLD-X     CoordSys=GLOBAL     MultiplierX=.1575     MultiplierY=0
MultiplierZ=0
   Frame=7     LoadPat=G1-SLD-X     CoordSys=GLOBAL     MultiplierX=.1575     MultiplierY=0
MultiplierZ=0
   Frame=8     LoadPat=G1-SLD-X     CoordSys=GLOBAL     MultiplierX=.1575     MultiplierY=0
MultiplierZ=0
   Frame=9     LoadPat=G1-SLD-X     CoordSys=GLOBAL     MultiplierX=.1575     MultiplierY=0
MultiplierZ=0
   Frame=10     LoadPat=G1-SLD-X     CoordSys=GLOBAL     MultiplierX=.1575     MultiplierY=0
MultiplierZ=0
   Frame=11     LoadPat=G1-SLD-X     CoordSys=GLOBAL     MultiplierX=.1575     MultiplierY=0
MultiplierZ=0
   Frame=12     LoadPat=G1-SLD-X     CoordSys=GLOBAL     MultiplierX=.1575     MultiplierY=0
MultiplierZ=0
   Frame=13     LoadPat=G1-SLD-X     CoordSys=GLOBAL     MultiplierX=.1575     MultiplierY=0
MultiplierZ=0
   Frame=14     LoadPat=G1-SLD-X     CoordSys=GLOBAL     MultiplierX=.1575     MultiplierY=0
MultiplierZ=0
   Frame=15     LoadPat=G1-SLD-X     CoordSys=GLOBAL     MultiplierX=.1575     MultiplierY=0
MultiplierZ=0
```

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   Frame=1      LoadPat=G1-SLD-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.0525
   Frame=2      LoadPat=G1-SLD-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.0525
   Frame=3      LoadPat=G1-SLD-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.0525
   Frame=4      LoadPat=G1-SLD-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.0525
   Frame=5      LoadPat=G1-SLD-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.0525
   Frame=6      LoadPat=G1-SLD-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.0525
   Frame=7      LoadPat=G1-SLD-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.0525
   Frame=8      LoadPat=G1-SLD-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.0525
   Frame=9      LoadPat=G1-SLD-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.0525
   Frame=10      LoadPat=G1-SLD-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.0525
   Frame=11      LoadPat=G1-SLD-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.0525
   Frame=12      LoadPat=G1-SLD-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.0525
   Frame=13      LoadPat=G1-SLD-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.0525
   Frame=14      LoadPat=G1-SLD-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.0525
   Frame=15      LoadPat=G1-SLD-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.0525
   Frame=1     LoadPat=G1-SLV-X     CoordSys=GLOBAL     MultiplierX=.4485     MultiplierY=0
MultiplierZ=0
   Frame=2     LoadPat=G1-SLV-X     CoordSys=GLOBAL     MultiplierX=.4485     MultiplierY=0
MultiplierZ=0
   Frame=3     LoadPat=G1-SLV-X     CoordSys=GLOBAL     MultiplierX=.4485     MultiplierY=0
MultiplierZ=0
   Frame=4     LoadPat=G1-SLV-X     CoordSys=GLOBAL     MultiplierX=.4485     MultiplierY=0
MultiplierZ=0
   Frame=5     LoadPat=G1-SLV-X     CoordSys=GLOBAL     MultiplierX=.4485     MultiplierY=0
MultiplierZ=0
   Frame=6     LoadPat=G1-SLV-X     CoordSys=GLOBAL     MultiplierX=.4485     MultiplierY=0
MultiplierZ=0
   Frame=7     LoadPat=G1-SLV-X     CoordSys=GLOBAL     MultiplierX=.4485     MultiplierY=0
MultiplierZ=0
   Frame=8     LoadPat=G1-SLV-X     CoordSys=GLOBAL     MultiplierX=.4485     MultiplierY=0
MultiplierZ=0
   Frame=9     LoadPat=G1-SLV-X     CoordSys=GLOBAL     MultiplierX=.4485     MultiplierY=0
MultiplierZ=0
   Frame=10     LoadPat=G1-SLV-X     CoordSys=GLOBAL     MultiplierX=.4485     MultiplierY=0
MultiplierZ=0
   Frame=11     LoadPat=G1-SLV-X     CoordSys=GLOBAL     MultiplierX=.4485     MultiplierY=0
MultiplierZ=0
   Frame=12     LoadPat=G1-SLV-X     CoordSys=GLOBAL     MultiplierX=.4485     MultiplierY=0
MultiplierZ=0
   Frame=13     LoadPat=G1-SLV-X     CoordSys=GLOBAL     MultiplierX=.4485     MultiplierY=0
MultiplierZ=0
   Frame=14     LoadPat=G1-SLV-X     CoordSys=GLOBAL     MultiplierX=.4485     MultiplierY=0
MultiplierZ=0
   Frame=15     LoadPat=G1-SLV-X     CoordSys=GLOBAL     MultiplierX=.4485     MultiplierY=0
MultiplierZ=0
   Frame=1      LoadPat=G1-SLV-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.1495
   Frame=2      LoadPat=G1-SLV-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.1495
   Frame=3      LoadPat=G1-SLV-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.1495
```

```
   Frame=4      LoadPat=G1-SLV-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.1495
   Frame=5      LoadPat=G1-SLV-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.1495
   Frame=6      LoadPat=G1-SLV-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.1495
   Frame=7      LoadPat=G1-SLV-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.1495
   Frame=8      LoadPat=G1-SLV-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.1495
   Frame=9      LoadPat=G1-SLV-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.1495
   Frame=10      LoadPat=G1-SLV-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.1495
   Frame=11      LoadPat=G1-SLV-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.1495
   Frame=12      LoadPat=G1-SLV-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.1495
   Frame=13      LoadPat=G1-SLV-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.1495
   Frame=14      LoadPat=G1-SLV-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.1495
   Frame=15      LoadPat=G1-SLV-Z      CoordSys=GLOBAL      MultiplierX=0      MultiplierY=0
MultiplierZ=.1495

TABLE:  "FRAME LOADS - DISTRIBUTED"
   Frame=1     LoadPat=SPT-SX     CoordSys=GLOBAL     Type=Force     Dir=X     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=61.878502472569    FOverLB=43.814591812875
   Frame=1     LoadPat=SPTd-SX     CoordSys=GLOBAL     Type=Force     Dir=X     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=75.6673725435196    FOverLB=53.5781395649766
   Frame=1     LoadPat=SPTKa-SX     CoordSys=GLOBAL     Type=Force     Dir=X     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=38.2991755498141    FOverLB=27.1186708862038
   Frame=1     LoadPat=SPTKad-SX     CoordSys=GLOBAL     Type=Force     Dir=X     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=49.4552715379083    FOverLB=35.0180183560345
   Frame=1     LoadPat=SPA-SX     CoordSys=GLOBAL     Type=Force     Dir=X     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=7.28842347906892    FOverLB=7.88994269935349
   Frame=1     LoadPat=SPAd-SX     CoordSys=GLOBAL     Type=Force     Dir=X     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=8.9125598165554    FOverLB=9.64812026347374
   Frame=1     LoadPat=SPAKa-SX     CoordSys=GLOBAL     Type=Force     Dir=X     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=4.51110804483336    FOverLB=4.88341327675908
   Frame=1     LoadPat=SPAKad-SX     CoordSys=GLOBAL     Type=Force     Dir=X     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=5.82514036115223    FOverLB=6.30589369527876
   Frame=1     LoadPat=IDRO     CoordSys=GLOBAL     Type=Force     Dir=X     DistType=RelDist
RelDistA=8.51063829787234E-02    RelDistB=.936170212765957    FOverLA=-20    FOverLB=0
   Frame=1     LoadPat=G1-SLD-X     CoordSys=GLOBAL     Type=Force     Dir=X     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=16.0872434607865    FOverLB=11.3909674194389
   Frame=1     LoadPat=G1-SLV-X     CoordSys=GLOBAL     Type=Force     Dir=X     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=56.6391407321572    FOverLB=40.1047331892293
   Frame=1     LoadPat=G1d-SLV-X     CoordSys=GLOBAL     Type=Force     Dir=X     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=67.8449605899351    FOverLB=48.039288864923
   Frame=2     LoadPat=PERSUP     CoordSys=GLOBAL     Type=Force     Dir=Z     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-111    FOverLB=-111
   Frame=2     LoadPat=ACCSUP     CoordSys=GLOBAL     Type=Force     Dir=Z     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-21.0688144686916    FOverLB=-21.0688144686916
   Frame=2     LoadPat=FREN     CoordSys=GLOBAL     Type=Force     Dir=X     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=26.424974173129    FOverLB=26.424974173129
   Frame=2     LoadPat=G1-SLD-X     CoordSys=GLOBAL     Type=Force     Dir=X     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=17.4825    FOverLB=17.4825
   Frame=2     LoadPat=G1-SLD-Z     CoordSys=GLOBAL     Type=Force     Dir=Z     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-5.8275    FOverLB=-5.8275
   Frame=2     LoadPat=G1-SLV-X     CoordSys=GLOBAL     Type=Force     Dir=X     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=49.7835    FOverLB=49.7835
   Frame=2     LoadPat=G1-SLV-Z     CoordSys=GLOBAL     Type=Force     Dir=Z     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-16.5945    FOverLB=-16.5945
   Frame=3     LoadPat=SPT-DX     CoordSys=GLOBAL     Type=Force     Dir=X     DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-61.878502472569    FOverLB=-43.814591812875
```

```
   Frame=3    LoadPat=SPTd-DX    CoordSys=GLOBAL    Type=Force    Dir=X    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-75.6673725435196    FOverLB=-53.5781395649766
   Frame=3    LoadPat=SPTKa-DX    CoordSys=GLOBAL    Type=Force    Dir=X    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-38.2991755498141    FOverLB=-27.1186708862038
   Frame=3    LoadPat=SPTKad-DX    CoordSys=GLOBAL    Type=Force    Dir=X    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-49.4552715379083    FOverLB=-35.0180183560345
   Frame=3    LoadPat=SPA-DX    CoordSys=GLOBAL    Type=Force    Dir=X    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-3.45904672206908    FOverLB=-3.45904672206908
   Frame=3    LoadPat=SPAd-DX    CoordSys=GLOBAL    Type=Force    Dir=X    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-4.22985312355079    FOverLB=-4.22985312355079
   Frame=3    LoadPat=SPAKa-DX    CoordSys=GLOBAL    Type=Force    Dir=X    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-2.1409477015424    FOverLB=-2.1409477015424
   Frame=3    LoadPat=SPAKad-DX    CoordSys=GLOBAL    Type=Force    Dir=X    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-2.76458039652904    FOverLB=-2.76458039652904
   Frame=3    LoadPat=IDRO    CoordSys=GLOBAL    Type=Force    Dir=X    DistType=RelDist
RelDistA=8.51063829787234E-02    RelDistB=.936170212765957    FOverLA=20    FOverLB=0
   Frame=3    LoadPat=G3-SLD-X    CoordSys=GLOBAL    Type=Force    Dir=X    DistType=RelDist
RelDistA=8.51063829787234E-02    RelDistB=.936170212765957    FOverLA=2.75625    FOverLB=0
   Frame=3    LoadPat=G3-SLV-X    CoordSys=GLOBAL    Type=Force    Dir=X    DistType=RelDist
RelDistA=8.51063829787234E-02    RelDistB=.936170212765957    FOverLA=2.75625    FOverLB=0
   Frame=5    LoadPat=IDRO    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=.217391304347826    RelDistB=1    FOverLA=-20    FOverLB=-20
   Frame=6    LoadPat=IDRO    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-20    FOverLB=-20
   Frame=7    LoadPat=IDRO    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-20    FOverLB=-20
   Frame=8    LoadPat=IDRO    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-20    FOverLB=-20
   Frame=9    LoadPat=IDRO    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-20    FOverLB=-20
   Frame=10    LoadPat=IDRO    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-20    FOverLB=-20
   Frame=11    LoadPat=IDRO    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-20    FOverLB=-20
   Frame=12    LoadPat=IDRO    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-20    FOverLB=-20
   Frame=13    LoadPat=IDRO    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-20    FOverLB=-20
   Frame=14    LoadPat=IDRO    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=.782608695652174    FOverLA=-20    FOverLB=-20
   Frame=5    LoadPat=G3-SLD-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=.217391304347826    RelDistB=1    FOverLA=-1.05    FOverLB=-1.05
   Frame=6    LoadPat=G3-SLD-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-1.05    FOverLB=-1.05
   Frame=7    LoadPat=G3-SLD-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-1.05    FOverLB=-1.05
   Frame=8    LoadPat=G3-SLD-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-1.05    FOverLB=-1.05
   Frame=9    LoadPat=G3-SLD-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-1.05    FOverLB=-1.05
   Frame=10    LoadPat=G3-SLD-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-1.05    FOverLB=-1.05
   Frame=11    LoadPat=G3-SLD-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-1.05    FOverLB=-1.05
   Frame=12    LoadPat=G3-SLD-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-1.05    FOverLB=-1.05
   Frame=13    LoadPat=G3-SLD-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-1.05    FOverLB=-1.05
   Frame=14    LoadPat=G3-SLD-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=.782608695652174    FOverLA=-1.05    FOverLB=-1.05
   Frame=5    LoadPat=G3-SLV-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=.217391304347826    RelDistB=1    FOverLA=-2.99    FOverLB=-2.99
   Frame=6    LoadPat=G3-SLV-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-2.99    FOverLB=-2.99
   Frame=7    LoadPat=G3-SLV-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0    RelDistB=1    FOverLA=-2.99    FOverLB=-2.99
```

```
   Frame=8    LoadPat=G3-SLV-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0   RelDistB=1   FOverLA=-2.99   FOverLB=-2.99
   Frame=9    LoadPat=G3-SLV-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0   RelDistB=1   FOverLA=-2.99   FOverLB=-2.99
   Frame=10    LoadPat=G3-SLV-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0   RelDistB=1   FOverLA=-2.99   FOverLB=-2.99
   Frame=11    LoadPat=G3-SLV-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0   RelDistB=1   FOverLA=-2.99   FOverLB=-2.99
   Frame=12    LoadPat=G3-SLV-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0   RelDistB=1   FOverLA=-2.99   FOverLB=-2.99
   Frame=13    LoadPat=G3-SLV-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0   RelDistB=1   FOverLA=-2.99   FOverLB=-2.99
   Frame=14    LoadPat=G3-SLV-Z    CoordSys=GLOBAL    Type=Force    Dir=Z    DistType=RelDist
RelDistA=0   RelDistB=.782608695652174   FOverLA=-2.99   FOverLB=-2.99

TABLE:  "FRAME LOADS - TEMPERATURE"
   Frame=2   LoadPat=TEMPUNI   Type=Temperature   Temp=10   JtPattern=None
   Frame=2        LoadPat=TEMPVAR        Type=Gradient2        TempGrad2=16.6666666666667
JtPattern=None

TABLE:  "LINK PROPERTY ASSIGNMENTS"
   Link=5     LinkType="MultiLinear  Elastic"     LinkJoints=TwoJoint     LinkProp=TERR_NL
LinkFDProp=None
   Link=6     LinkType="MultiLinear  Elastic"     LinkJoints=TwoJoint     LinkProp=TERR_NL
LinkFDProp=None
   Link=7     LinkType="MultiLinear  Elastic"     LinkJoints=TwoJoint     LinkProp=TERR_NL
LinkFDProp=None
   Link=8     LinkType="MultiLinear  Elastic"     LinkJoints=TwoJoint     LinkProp=TERR_NL
LinkFDProp=None
   Link=9     LinkType="MultiLinear  Elastic"     LinkJoints=TwoJoint     LinkProp=TERR_NL
LinkFDProp=None
   Link=10     LinkType="MultiLinear  Elastic"     LinkJoints=TwoJoint     LinkProp=TERR_NL
LinkFDProp=None
   Link=11     LinkType="MultiLinear  Elastic"     LinkJoints=TwoJoint     LinkProp=TERR_NL
LinkFDProp=None
   Link=12     LinkType="MultiLinear  Elastic"     LinkJoints=TwoJoint     LinkProp=TERR_NL
LinkFDProp=None
   Link=13     LinkType="MultiLinear  Elastic"     LinkJoints=TwoJoint     LinkProp=TERR_NL
LinkFDProp=None
   Link=14     LinkType="MultiLinear  Elastic"     LinkJoints=TwoJoint     LinkProp=TERR_NL
LinkFDProp=None
   Link=15     LinkType="MultiLinear  Elastic"     LinkJoints=TwoJoint     LinkProp=TERR_NL
LinkFDProp=None

END TABLE DATA
```

15 TABULATI INPUT PARATIE

15.1 PARATIA DA 4.50m

```
**
* PARATIE ANALYSIS FOR DESIGN SECTION:Base model
*1: Define General Calculation Settings
delta 0.2
unit m kN
option param itemax 40

*2. ADD GENERAL WALLS & DIMESIONS
wall Leftwall 0 -15 0

*3.1 DEFINE SURFACE FOR LEFT WALL
soil 0_L Leftwall -15 0 1 0
soil 0_R Leftwall -15 0 2 180

*4: DEFINE SOIL LAYER ELEVATIONS & STRENGTHS
* BORING Boring 1
    *DATA FOR LAYER: 1, SOIL TYPE= 8, Strato A
        Ldata L1 0
            weight 20 10 10
            Resistance 0 38 0.238 4.204
            atrest 0.384338524674342 1  1
            Young 50000 150000
            permeabil 0.0001
        Endl

    *DATA FOR LAYER: 2, SOIL TYPE= 9, Strato B
        Ldata L2 -2.5
            weight 21 11 10
            Resistance 0 38 0.238 4.204
```

```
        atrest 0.384338524674342 1  1
        Young 41000 123000
        permeabil 0.0001
    Endl


*5.1: DEFINE STRUCTURAL MATERIALS
*START GENERAL MATERIALS
  * GENERAL CONCRETE MATERIALS - CONVERTED TO CONSISTENT UNITS WITH FORCE/LENGTH^2
  *Concrete material: 0 Name= C25/30, E= 28960MPa
    material CONC_0_C 28960000

  * GENERAL STEEL MEMBER MATERIALS - CONVERTED TO CONSISTENT UNITS WITH FORCE/LENGTH^2
  *Steel material: 0 Name= S355, E= 210000MPa
    material STEEL_0_ 210000000

* GENERAL REBAR MATERIALS - CONVERTED TO CONSISTENT UNITS WITH FORCE/LENGTH^2, USED FOR ANCHORS
  *Rebar material: 0 Name= Grade 60, E= 200100MPa
    material REB_0_Gr 200100000

  *Rebar material: 1 Name= Grade 75, E= 200100MPa
    material REB_1_Gr 200100000

  *Rebar material: 2 Name= Grade 80, E= 200100MPa
    material REB_2_Gr 200100000

  *Rebar material: 3 Name= Grade 150, E= 200100MPa
    material REB_3_Gr 200100000

  *Rebar material: 4 Name= Strands 270 ksi, E= 200100MPa
    material REB_4_St 200100000
```

```
    * USER DEFINED MATERIALS - CONVERTED TO CONSISTENT UNITS WITH FORCE/LENGTH^2, USED FOR
ANCHORS
    *User material: 0 Name= User mat 0, E= 1MPa
        material USER_0_U 1000

* END GENERAL MATERIALS

* 5.2 Define a very stiff material for rigid supports
   mate stiffMAT 100000000000

* 6.1 LEFT WALL STRUCTURAL PROPERTIES
   *Calculate equivalent Secant Pile Ixx, * with Steel Pipe, use pipe Ixx and concrete effective at: 25%
   * Ewall= 210000 MPa, Stiffness Ixx= 557.491 cm4
   * Iequivalent= Ewall x Ixx x ConvEI / (Estandard x ConvEL x Wall Spacing) =>
   * Iequivalent= 210000 MPa x 557.491 cm4 x 1E-08/ (210000 x 1 x 0.3)= 2E-05     (m^4/m)
   *Now calculate Equivalent Wall Thickness from Ixx/Length
   * Wall thick= (12 x Ixx/L)^(1/3) = (12 x 2E-05)^(1/3) = 0.06064 (m)
   BEAM Leftwall_BEAM Leftwall -15 0 STEEL_0_ 0.060641 00 00

* GENERATE BEAMS FROM ADDITIONAL WALL ELEMENTS
*7.1: GENERATE SUPPORTS FOR LEFT WALL
   WIRE SPL_0 Leftwall -1.5 stiffMAT 100000 0 0  0 0
   WIRE SPL_1 Leftwall -3.5 stiffMAT 100000 0 0  0 0
   WIRE SPL_2 Leftwall -5.5 stiffMAT 100000 0 0  0 0

*8.1: ADD WALL LOADS & PRESCRIBED CONDITIONS FOR LEFT WALL
   *
* END OF NODE ADDITION

* Simplified paratie surcharge modeling assumed by user.
* 9.A 1st wall compute external wall surcharges. Stage 0
*     Elasticity load factor that accounts for possible rigidity effects mElastic= 1
* 9.A 1st wall compute external wall surcharges. Stage 1
```

* Elasticity load factor that accounts for possible rigidity effects mElastic= 1

* 9.A 1st wall compute external wall surcharges. Stage 2

* Elasticity load factor that accounts for possible rigidity effects mElastic= 1

* 9.A 1st wall compute external wall surcharges. Stage 3

* Elasticity load factor that accounts for possible rigidity effects mElastic= 1

* 9.A 1st wall compute external wall surcharges. Stage 4

* Elasticity load factor that accounts for possible rigidity effects mElastic= 1

* 9.A 1st wall compute external wall surcharges. Stage 5

* Elasticity load factor that accounts for possible rigidity effects mElastic= 1

* 9.A 1st wall compute external wall surcharges. Stage 6

* Elasticity load factor that accounts for possible rigidity effects mElastic= 1

* 9.A 1st wall compute external wall surcharges. Stage 7

* Elasticity load factor that accounts for possible rigidity effects mElastic= 1

* 9.1.1: STRIP SURCHARGE LOADS FOR LEFT WALL

* WARNING: STRIP LOADS MAY BE APPROXIMATE, HORIZONTAL COMPONENTS, FOOTINGS, SURFACE LINE LOADS AND BUILDING LOADS ARE IGNORED

* Stage: 0, examine surcharge load 0 1st point at Elev. 0, x= -5, qx = 0, qz= 10

* 2nd point at Elev. 0, x= 0, qx = 0, qz= 10

* Auto Procedure: Excavation on the right, load is on left side. Load is treated as unfavorable variable load LF=1

***** END determination of load factors for strip surcharge load 0

* Stage: 1, examine surcharge load 0 1st point at Elev. 0, x= -5, qx = 0, qz= 10

* 2nd point at Elev. 0, x= 0, qx = 0, qz= 10

* Auto Procedure: Excavation on the right, load is on left side. Load is treated as unfavorable variable load LF=1

***** END determination of load factors for strip surcharge load 0

* Stage: 2, examine surcharge load 0 1st point at Elev. 0, x= -5, qx = 0, qz= 10

* 2nd point at Elev. 0, x= 0, qx = 0, qz= 10

* Auto Procedure: Excavation on the right, load is on left side. Load is treated as unfavorable variable load LF=1

***** END determination of load factors for strip surcharge load 0

* Stage: 3, examine surcharge load 0 1st point at Elev. 0, x= -5, qx = 0, qz= 10

* 2nd point at Elev. 0, x= 0, qx = 0, qz= 10

* Auto Procedure: Excavation on the right, load is on left side. Load is treated as unfavorable variable load LF=1

***** END determination of load factors for strip surcharge load 0

* Stage: 4, examine surcharge load 0 1st point at Elev. 0, x= -5, qx = 0, qz= 10

* 2nd point at Elev. 0, x= 0, qx = 0, qz= 10

* Auto Procedure: Excavation on the right, load is on left side. Load is treated as unfavorable variable load LF=1

***** END determination of load factors for strip surcharge load 0

* Stage: 5, examine surcharge load 0 1st point at Elev. 0, x= -5, qx = 0, qz= 10

* 2nd point at Elev. 0, x= 0, qx = 0, qz= 10

* Auto Procedure: Excavation on the right, load is on left side. Load is treated as unfavorable variable load LF=1

***** END determination of load factors for strip surcharge load 0

* Stage: 6, examine surcharge load 0 1st point at Elev. 0, x= -5, qx = 0, qz= 10

* 2nd point at Elev. 0, x= 0, qx = 0, qz= 10

* Auto Procedure: Excavation on the right, load is on left side. Load is treated as unfavorable variable load LF=1

***** END determination of load factors for strip surcharge load 0

* Stage: 7, examine surcharge load 0 1st point at Elev. 0, x= -5, qx = 0, qz= 10

* 2nd point at Elev. 0, x= 0, qx = 0, qz= 10

* Auto Procedure: Excavation on the right, load is on left side. Load is treated as unfavorable variable load LF=1

***** END determination of load factors for strip surcharge load 0

* Strip surcharge not active on stage 0

STRIP Leftwall 2 2 0 5 0 10 45

STRIP Leftwall 3 3 0 5 0 10 45

STRIP Leftwall 4 4 0 5 0 10 45

STRIP Leftwall 5 5 0 5 0 10 45

STRIP Leftwall 6 6 0 5 0 10 45

STRIP Leftwall 7 7 0 5 0 10 45

STRIP Leftwall 8 8 0 5 0 10 45

****

```
* 10: GENERATE ALL STEP/STAGES
*****************************************************************
*START DATA FOR STAGE: 0 Name: 0_Geostatica
step 0 : 0_Geostatica


* DATA FOR LEFT WALL
setwall Leftwall
*10.a: DESCRIBE Kp, Ka Changes for this stage due to Defined Wall Friction, Slope or Strength Code Changes
* LAYER 1 Stage 0
* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaUH = 0.238 x 0.238/0.238 = 0.238
* KpDH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpDH = 4.204 x 4.204 /4.204 = 4.204
* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaDH = 0.238 x 0.238/0.238 = 0.238
* KpUH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpUH = 4.204 x 4.204 /4.204 = 4.204
* END LAYER 1 Stage : 0
* LAYER 2 Stage 0
* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaUH = 0.238 x 0.238/0.238 = 0.238
* KpDH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpDH = 4.204 x 4.204 /4.204 = 4.204
* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaDH = 0.238 x 0.238/0.238 = 0.238
* KpUH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpUH = 4.204 x 4.204 /4.204 = 4.204
* END LAYER 2 Stage : 0
* If Section 10.b is not specified then parameters are same as in previous stage.
*END 10.a
```

*10.1 Generate left wall water elevations for stage 0

geom 0 0

water -20 0 -2520 0 0

*11: ADD LEFT WALL SUPPORTS

*13.1: ADD LEFT WALL SURCHARGES NOT FROM LOADS DIRECTLY LOADING THE WALL

*13.2.1: ADD LEFT WALL SURCHARGES CALCULATED FROM PARATIE ENGINE

*13.2.1B: ADD LEFT WALL SURCHARGES CALCULATED OUTSIDE FROM PARATIE ENGINE, FOR LOADS NOT CONFORMING TO SIMPLIFIED APPROACH

*13.3: ADD WALL SURCHARGES THAT ARE DIRECTLY ON THE LEFT WALL

*13.3: END ADDING WALL SURCHARGES ON LEFT WALL

* END DATA FOR LEFT WALL

*19.1 EXAMINE IF SUPPORTS ARE REMOVED FOR LEFT WALL

* 19: END SUPPORT REMOVAL

*20: ADD LATERAL LINE LOADS PLACED DIRECTLY ON WALL

ENDSTEP

*END DATA FOR STAGE 0 NAME: 0_Geostatica

****

****

*START DATA FOR STAGE: 1 Name: 1_Scavo

step 1 : 1_Scavo

* DATA FOR LEFT WALL

setwall Leftwall

*10.a: DESCRIBE Kp, Ka Changes for this stage due to Defined Wall Friction, Slope or Strength Code Changes

* LAYER 1 Stage 1

* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>

* KaUH = 0.238 x 0.238/0.238 = 0.238

* KpDH= KpHBase x [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>

* KpDH = 4.204 x 4.204 /4.204 = 4.204

* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>

* KaDH = 0.238 x 0.238/0.238 = 0.238

* KpUH= KpHBase x [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>

* KpUH = 4.204 x 4.204 /4.204 = 4.204

* END LAYER 1 Stage : 1

* LAYER 2 Stage 1

* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>

* KaUH = 0.238 x 0.238/0.238 = 0.238

* KpDH= KpHBase x [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>

* KpDH = 4.204 x 4.204 /4.204 = 4.204

* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>

* KaDH = 0.238 x 0.238/0.238 = 0.238

* KpUH= KpHBase x [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>

* KpUH = 4.204 x 4.204 /4.204 = 4.204

* END LAYER 2 Stage : 1

* If Section 10.b is not specified then parameters are same as in previous stage.

*END 10.a

*10.1 Generate left wall water elevations for stage 1

geom 0 -2

water -20 0 -2520 0 0

*11: ADD LEFT WALL SUPPORTS

*13.1: ADD LEFT WALL SURCHARGES NOT FROM LOADS DIRECTLY LOADING THE WALL

*13.2.1: ADD LEFT WALL SURCHARGES CALCULATED FROM PARATIE ENGINE

*13.2.1B: ADD LEFT WALL SURCHARGES CALCULATED OUTSIDE FROM PARATIE ENGINE, FOR LOADS NOT CONFORMING TO SIMPLIFIED APPROACH

*13.3: ADD WALL SURCHARGES THAT ARE DIRECTLY ON THE LEFT WALL

*13.3: END ADDING WALL SURCHARGES ON LEFT WALL

* END DATA FOR LEFT WALL

*19.1 EXAMINE IF SUPPORTS ARE REMOVED FOR LEFT WALL

* 19: END SUPPORT REMOVAL

*20: ADD LATERAL LINE LOADS PLACED DIRECTLY ON WALL

ENDSTEP

*END DATA FOR STAGE 1 NAME: 1_Scavo

****

****

*START DATA FOR STAGE: 2 Name: 2_Puntello

step 2 : 2_Puntello

* DATA FOR LEFT WALL

setwall Leftwall

*10.a: DESCRIBE Kp, Ka Changes for this stage due to Defined Wall Friction, Slope or Strength Code Changes

* LAYER 1 Stage 2

* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>

* KaUH = 0.238 x 0.238/0.238 = 0.238

* KpDH= KpHBase x [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>

* KpDH = 4.204 x 4.204 /4.204 = 4.204

* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>

* KaDH = 0.238 x 0.238/0.238 = 0.238

* KpUH= KpHBase x [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>

* KpUH = 4.204 x 4.204 /4.204 = 4.204

* END LAYER 1 Stage : 2

* LAYER 2 Stage 2

* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>

* KaUH = 0.238 x 0.238/0.238 = 0.238

* KpDH= KpHBase x [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>

* KpDH = 4.204 x 4.204 /4.204 = 4.204

* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>

* KaDH = 0.238 x 0.238/0.238 = 0.238

* KpUH= KpHBase x [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>

* KpUH = 4.204 x 4.204 /4.204 = 4.204

* END LAYER 2 Stage : 2

* If Section 10.b is not specified then parameters are same as in previous stage.

*END 10.a

*10.1 Generate left wall water elevations for stage 2

geom 0 -2

water -20 0 -2520 0 0

*11: ADD LEFT WALL SUPPORTS

ADD SPL_0

*13.1: ADD LEFT WALL SURCHARGES NOT FROM LOADS DIRECTLY LOADING THE WALL

*13.2.1: ADD LEFT WALL SURCHARGES CALCULATED FROM PARATIE ENGINE

*13.2.1B: ADD LEFT WALL SURCHARGES CALCULATED OUTSIDE FROM PARATIE ENGINE, FOR LOADS NOT CONFORMING TO SIMPLIFIED APPROACH

*13.3: ADD WALL SURCHARGES THAT ARE DIRECTLY ON THE LEFT WALL

*13.3: END ADDING WALL SURCHARGES ON LEFT WALL

```
   * END DATA FOR LEFT WALL

   *19.1 EXAMINE IF SUPPORTS ARE REMOVED FOR LEFT WALL
   * 19: END SUPPORT REMOVAL

   *20: ADD LATERAL LINE LOADS PLACED DIRECTLY ON WALL

ENDSTEP
*END DATA FOR STAGE 2 NAME: 2_Puntello
*****************************************************************

*****************************************************************
*START DATA FOR STAGE: 3 Name: 3_scavo
step 3 : 3_scavo


* DATA FOR LEFT WALL
setwall Leftwall
*10.a: DESCRIBE Kp, Ka Changes for this stage due to Defined Wall Friction, Slope or Strength Code Changes
* LAYER 1 Stage 3
* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaUH = 0.238 x 0.238/0.238 = 0.238
* KpDH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpDH = 4.204 x 4.204 /4.204 = 4.204
* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaDH = 0.238 x 0.238/0.238 = 0.238
* KpUH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpUH = 4.204 x 4.204 /4.204 = 4.204

   *10.1 Generate left wall water elevations for stage 3
   geom 0 -4
   water -20 0 -2520 0 0
```

*11: ADD LEFT WALL SUPPORTS

*13.1: ADD LEFT WALL SURCHARGES NOT FROM LOADS DIRECTLY LOADING THE WALL

*13.2.1: ADD LEFT WALL SURCHARGES CALCULATED FROM PARATIE ENGINE

*13.2.1B: ADD LEFT WALL SURCHARGES CALCULATED OUTSIDE FROM PARATIE ENGINE, FOR LOADS NOT CONFORMING TO SIMPLIFIED APPROACH

*13.3: ADD WALL SURCHARGES THAT ARE DIRECTLY ON THE LEFT WALL

*13.3: END ADDING WALL SURCHARGES ON LEFT WALL

* END DATA FOR LEFT WALL

*19.1 EXAMINE IF SUPPORTS ARE REMOVED FOR LEFT WALL

* 19: END SUPPORT REMOVAL

*20: ADD LATERAL LINE LOADS PLACED DIRECTLY ON WALL

ENDSTEP

*END DATA FOR STAGE 3 NAME: 3_scavo

****

****

*START DATA FOR STAGE: 4 Name: 4_Puntello

step 4 : 4_Puntello

* DATA FOR LEFT WALL

setwall Leftwall

*10.a: DESCRIBE Kp, Ka Changes for this stage due to Defined Wall Friction, Slope or Strength Code Changes

* LAYER 1 Stage 4

* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>

* KaUH = 0.238 x 0.238/0.238 = 0.238

* KpDH= KpHBase x [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpDH = 4.204 x 4.204 /4.204 = 4.204
* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaDH = 0.238 x 0.238/0.238 = 0.238
* KpUH= KpHBase x [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpUH = 4.204 x 4.204 /4.204 = 4.204

*10.1 Generate left wall water elevations for stage 4
geom 0 -4
water -20 0 -2520 0 0

*11: ADD LEFT WALL SUPPORTS
ADD SPL_1

*13.1: ADD LEFT WALL SURCHARGES NOT FROM LOADS DIRECTLY LOADING THE WALL
*13.2.1: ADD LEFT WALL SURCHARGES CALCULATED FROM PARATIE ENGINE
*13.2.1B: ADD LEFT WALL SURCHARGES CALCULATED OUTSIDE FROM PARATIE ENGINE, FOR LOADS NOT CONFORMING TO SIMPLIFIED APPROACH

*13.3: ADD WALL SURCHARGES THAT ARE DIRECTLY ON THE LEFT WALL
*13.3: END ADDING WALL SURCHARGES ON LEFT WALL
* END DATA FOR LEFT WALL

*19.1 EXAMINE IF SUPPORTS ARE REMOVED FOR LEFT WALL
* 19: END SUPPORT REMOVAL

*20: ADD LATERAL LINE LOADS PLACED DIRECTLY ON WALL

ENDSTEP
*END DATA FOR STAGE 4 NAME: 4_Puntello
****

****

*START DATA FOR STAGE: 5 Name: 5_Scavo

step 5 : 5_Scavo

* DATA FOR LEFT WALL

setwall Leftwall

*10.a: DESCRIBE Kp, Ka Changes for this stage due to Defined Wall Friction, Slope or Strength Code Changes

* LAYER 1 Stage 5

* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>

* KaUH = 0.238 x 0.238/0.238 = 0.238

* KpDH= KpHBase x [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>

* KpDH = 4.204 x 4.204 /4.204 = 4.204

* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>

* KaDH = 0.238 x 0.238/0.238 = 0.238

* KpUH= KpHBase x [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>

* KpUH = 4.204 x 4.204 /4.204 = 4.204

*10.1 Generate left wall water elevations for stage 5

geom 0 -6

water -20 0 -2520 0 0

*11: ADD LEFT WALL SUPPORTS

*13.1: ADD LEFT WALL SURCHARGES NOT FROM LOADS DIRECTLY LOADING THE WALL

*13.2.1: ADD LEFT WALL SURCHARGES CALCULATED FROM PARATIE ENGINE

*13.2.1B: ADD LEFT WALL SURCHARGES CALCULATED OUTSIDE FROM PARATIE ENGINE, FOR LOADS NOT CONFORMING TO SIMPLIFIED APPROACH

*13.3: ADD WALL SURCHARGES THAT ARE DIRECTLY ON THE LEFT WALL

*13.3: END ADDING WALL SURCHARGES ON LEFT WALL

* END DATA FOR LEFT WALL

```
   *19.1 EXAMINE IF SUPPORTS ARE REMOVED FOR LEFT WALL
   * 19: END SUPPORT REMOVAL

   *20: ADD LATERAL LINE LOADS PLACED DIRECTLY ON WALL

ENDSTEP
*END DATA FOR STAGE 5 NAME: 5_Scavo
*****************************************************************

*****************************************************************
*START DATA FOR STAGE: 6 Name: 6_Puntello
step 6 : 6_Puntello


* DATA FOR LEFT WALL
setwall Leftwall
*10.a: DESCRIBE Kp, Ka Changes for this stage due to Defined Wall Friction, Slope or Strength Code Changes
* LAYER 1 Stage 6
* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaUH = 0.238 x 0.238/0.238 = 0.238
* KpDH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpDH = 4.204 x 4.204 /4.204 = 4.204
* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaDH = 0.238 x 0.238/0.238 = 0.238
* KpUH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpUH = 4.204 x 4.204 /4.204 = 4.204

   *10.1 Generate left wall water elevations for stage 6
   geom 0 -6
   water -20 0 -2520 0 0

   *11: ADD LEFT WALL SUPPORTS
```

ADD SPL_2

*13.1: ADD LEFT WALL SURCHARGES NOT FROM LOADS DIRECTLY LOADING THE WALL

*13.2.1: ADD LEFT WALL SURCHARGES CALCULATED FROM PARATIE ENGINE

*13.2.1B: ADD LEFT WALL SURCHARGES CALCULATED OUTSIDE FROM PARATIE ENGINE, FOR LOADS NOT CONFORMING TO SIMPLIFIED APPROACH

*13.3: ADD WALL SURCHARGES THAT ARE DIRECTLY ON THE LEFT WALL

*13.3: END ADDING WALL SURCHARGES ON LEFT WALL

* END DATA FOR LEFT WALL

*19.1 EXAMINE IF SUPPORTS ARE REMOVED FOR LEFT WALL

* 19: END SUPPORT REMOVAL

*20: ADD LATERAL LINE LOADS PLACED DIRECTLY ON WALL

ENDSTEP

*END DATA FOR STAGE 6 NAME: 6_Puntello

****

****

*START DATA FOR STAGE: 7 Name: 7_Fondo-scavo

step 7 : 7_Fondo-scavo

* DATA FOR LEFT WALL

setwall Leftwall

*10.a: DESCRIBE Kp, Ka Changes for this stage due to Defined Wall Friction, Slope or Strength Code Changes

* LAYER 1 Stage 7

* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>

* KaUH = 0.238 x 0.238/0.238 = 0.238

* KpDH= KpHBase x [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>

* KpDH = 4.204 x 4.204 /4.204 = 4.204

* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>

* KaDH = 0.238 x 0.238/0.238 = 0.238

* KpUH= KpHBase x [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>

* KpUH = 4.204 x 4.204 /4.204 = 4.204

*10.1 Generate left wall water elevations for stage 7

geom 0 -7.5

water -20 0 -2520 0 0

*11: ADD LEFT WALL SUPPORTS

*13.1: ADD LEFT WALL SURCHARGES NOT FROM LOADS DIRECTLY LOADING THE WALL

*13.2.1: ADD LEFT WALL SURCHARGES CALCULATED FROM PARATIE ENGINE

*13.2.1B: ADD LEFT WALL SURCHARGES CALCULATED OUTSIDE FROM PARATIE ENGINE, FOR LOADS NOT CONFORMING TO SIMPLIFIED APPROACH

*13.3: ADD WALL SURCHARGES THAT ARE DIRECTLY ON THE LEFT WALL

*13.3: END ADDING WALL SURCHARGES ON LEFT WALL

* END DATA FOR LEFT WALL

*19.1 EXAMINE IF SUPPORTS ARE REMOVED FOR LEFT WALL

* 19: END SUPPORT REMOVAL

*20: ADD LATERAL LINE LOADS PLACED DIRECTLY ON WALL

ENDSTEP

*END DATA FOR STAGE 7 NAME: 7_Fondo-scavo

****

set country english

*

*

15.2 PARATIA DA 6.50m

```
**
* PARATIE ANALYSIS FOR DESIGN SECTION:Base model
*1: Define General Calculation Settings
delta 0.2
unit m kN
option param itemax 40

*2. ADD GENERAL WALLS & DIMESIONS
wall Leftwall 0 -15 0

*3.1 DEFINE SURFACE FOR LEFT WALL
soil 0_L Leftwall -15 0 1 0
soil 0_R Leftwall -15 0 2 180

*4: DEFINE SOIL LAYER ELEVATIONS & STRENGTHS
* BORING Boring 1
    *DATA FOR LAYER: 1, SOIL TYPE= 8, Strato A
        Ldata L1 0
            weight 20 10 10
            Resistance 0 38 0.238 4.204
            atrest 0.384338524674342 1  1
            Young 50000 150000
            permeabil 0.0001
        Endl

    *DATA FOR LAYER: 2, SOIL TYPE= 9, Strato B
        Ldata L2 -2.5
            weight 21 11 10
            Resistance 0 38 0.238 4.204
            atrest 0.384338524674342 1  1
            Young 41000 123000
            permeabil 0.0001
        Endl


*5.1: DEFINE STRUCTURAL MATERIALS
*START GENERAL MATERIALS
   * GENERAL CONCRETE MATERIALS - CONVERTED TO CONSISTENT UNITS WITH FORCE/LENGTH^2
   *Concrete material: 0 Name= C25/30, E= 28960MPa
      material CONC_0_C 28960000

   * GENERAL STEEL MEMBER MATERIALS - CONVERTED TO CONSISTENT UNITS WITH FORCE/LENGTH^2
   *Steel material: 0 Name= S355, E= 210000MPa
      material STEEL_0_ 210000000

* GENERAL REBAR MATERIALS - CONVERTED TO CONSISTENT UNITS WITH FORCE/LENGTH^2, USED FOR
ANCHORS
   *Rebar material: 0 Name= Grade 60, E= 200100MPa
      material REB_0_Gr 200100000

   *Rebar material: 1 Name= Grade 75, E= 200100MPa
      material REB_1_Gr 200100000

   *Rebar material: 2 Name= Grade 80, E= 200100MPa
```

```
        material REB_2_Gr 200100000

    *Rebar material: 3 Name= Grade 150, E= 200100MPa
        material REB_3_Gr 200100000

    *Rebar material: 4 Name= Strands 270 ksi, E= 200100MPa
        material REB_4_St 200100000

    * USER DEFINED MATERIALS - CONVERTED TO CONSISTENT UNITS WITH FORCE/LENGTH^2, USED FOR ANCHORS
    *User material: 0 Name= User mat 0, E= 1MPa
        material USER_0_U 1000

* END GENERAL MATERIALS

* 5.2 Define a very stiff material for rigid supports
   mate stiffMAT 100000000000

* 6.1 LEFT WALL STRUCTURAL PROPERTIES
   *Calculate equivalent Secant Pile Ixx, * with Steel Pipe, use pipe Ixx and concrete effective at: 25%
   * Ewall= 210000 MPa, Stiffness Ixx= 557.491 cm4
   * Iequivalent= Ewall x Ixx x ConvEI / (Estandard x ConvEL x Wall Spacing) =>
   * Iequivalent= 210000 MPa x 557.491 cm4 x 1E-08/ (210000 x 1 x 0.3)= 2E-05     (m^4/m)
   *Now calculate Equivalent Wall Thickness from Ixx/Length
   * Wall thick= (12 x Ixx/L)^(1/3) = (12 x 2E-05)^(1/3) = 0.06064 (m)
   BEAM Leftwall_BEAM Leftwall -15 0 STEEL_0_ 0.060641 00 00

* GENERATE BEAMS FROM ADDITIONAL WALL ELEMENTS
*7.1: GENERATE SUPPORTS FOR LEFT WALL
   WIRE SPL_0 Leftwall -1.5 stiffMAT 100000 0 0  0 0
   WIRE SPL_1 Leftwall -3.5 stiffMAT 100000 0 0  0 0

*8.1: ADD WALL LOADS & PRESCRIBED CONDITIONS FOR LEFT WALL
   *
* END OF NODE ADDITION

* Simplified paratie surcharge modeling assumed by user.
* 9.A 1st wall compute external wall surcharges. Stage 0
*     Elasticity load factor that accounts for possible rigidity effects mElastic= 1
* 9.A 1st wall compute external wall surcharges. Stage 1
*     Elasticity load factor that accounts for possible rigidity effects mElastic= 1
* 9.A 1st wall compute external wall surcharges. Stage 2
*     Elasticity load factor that accounts for possible rigidity effects mElastic= 1
* 9.A 1st wall compute external wall surcharges. Stage 3
*     Elasticity load factor that accounts for possible rigidity effects mElastic= 1
* 9.A 1st wall compute external wall surcharges. Stage 4
*     Elasticity load factor that accounts for possible rigidity effects mElastic= 1
* 9.A 1st wall compute external wall surcharges. Stage 5
*     Elasticity load factor that accounts for possible rigidity effects mElastic= 1
* 9.1.1: STRIP SURCHARGE LOADS FOR LEFT WALL
* WARNING: STRIP LOADS MAY BE APPROXIMATE, HORIZONTAL COMPONENTS, FOOTINGS, SURFACE LINE LOADS AND BUILDING LOADS ARE IGNORED
    * Stage: 0, examine surcharge load 0 1st point at Elev. 0, x= -5, qx = 0, qz= 10
*                           2nd point at Elev. 0, x= 0, qx = 0, qz= 10
* Auto Procedure: Excavation on the right, load is on left side. Load is treated as unfavorable variable load LF=1
***** END determination of load factors for strip surcharge load 0

* Stage: 1, examine surcharge load 0 1st point at Elev. 0, x= -5, qx = 0, qz= 10
```

```
*                          2nd point at Elev. 0, x= 0, qx = 0, qz= 10
* Auto Procedure: Excavation on the right, load is on left side. Load is treated as unfavorable variable load LF=1
***** END determination of load factors for strip surcharge load 0

* Stage: 2, examine surcharge load 0 1st point at Elev. 0, x= -5, qx = 0, qz= 10
*                          2nd point at Elev. 0, x= 0, qx = 0, qz= 10
* Auto Procedure: Excavation on the right, load is on left side. Load is treated as unfavorable variable load LF=1
***** END determination of load factors for strip surcharge load 0

* Stage: 3, examine surcharge load 0 1st point at Elev. 0, x= -5, qx = 0, qz= 10
*                          2nd point at Elev. 0, x= 0, qx = 0, qz= 10
* Auto Procedure: Excavation on the right, load is on left side. Load is treated as unfavorable variable load LF=1
***** END determination of load factors for strip surcharge load 0

* Stage: 4, examine surcharge load 0 1st point at Elev. 0, x= -5, qx = 0, qz= 10
*                          2nd point at Elev. 0, x= 0, qx = 0, qz= 10
* Auto Procedure: Excavation on the right, load is on left side. Load is treated as unfavorable variable load LF=1
***** END determination of load factors for strip surcharge load 0

* Stage: 5, examine surcharge load 0 1st point at Elev. 0, x= -5, qx = 0, qz= 10
*                          2nd point at Elev. 0, x= 0, qx = 0, qz= 10
* Auto Procedure: Excavation on the right, load is on left side. Load is treated as unfavorable variable load LF=1
***** END determination of load factors for strip surcharge load 0

* Strip surcharge not active on stage 0
STRIP Leftwall 2 2 0 5 0 10 45
STRIP Leftwall 3 3 0 5 0 10 45
STRIP Leftwall 4 4 0 5 0 10 45
STRIP Leftwall 5 5 0 5 0 10 45
STRIP Leftwall 6 6 0 5 0 10 45

*****************************************************************
* 10: GENERATE ALL STEP/STAGES
*****************************************************************
*START DATA FOR STAGE: 0 Name: 0_Geostatica
step 0 : 0_Geostatica


* DATA FOR LEFT WALL
setwall Leftwall
*10.a: DESCRIBE Kp, Ka Changes for this stage due to Defined Wall Friction, Slope or Strength Code Changes
* LAYER 1 Stage 0
* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaUH = 0.238 x 0.238/0.238 = 0.238
* KpDH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpDH = 4.204 x 4.204 /4.204 = 4.204
* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaDH = 0.238 x 0.238/0.238 = 0.238
* KpUH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpUH = 4.204 x 4.204 /4.204 = 4.204
* END LAYER 1 Stage : 0
* LAYER 2 Stage 0
* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaUH = 0.238 x 0.238/0.238 = 0.238
* KpDH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpDH = 4.204 x 4.204 /4.204 = 4.204
* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaDH = 0.238 x 0.238/0.238 = 0.238
```

```
* KpUH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpUH = 4.204 x 4.204 /4.204 = 4.204
* END LAYER 2 Stage : 0
* If Section 10.b is not specified then parameters are same as in previous stage.
*END 10.a


   *10.1 Generate left wall water elevations for stage 0
   geom 0 0
   water -20 0 -2520 0 0

   *11: ADD LEFT WALL SUPPORTS

   *13.1: ADD LEFT WALL SURCHARGES NOT FROM LOADS DIRECTLY LOADING THE WALL
   *13.2.1: ADD LEFT WALL SURCHARGES CALCULATED FROM PARATIE ENGINE
         *13.2.1B: ADD LEFT WALL SURCHARGES CALCULATED OUTSIDE FROM PARATIE ENGINE, FOR LOADS
NOT CONFORMING TO SIMPLIFIED APPROACH



   *13.3: ADD WALL SURCHARGES THAT ARE DIRECTLY ON THE LEFT WALL
   *13.3: END ADDING WALL SURCHARGES ON LEFT WALL
   * END DATA FOR LEFT WALL

   *19.1 EXAMINE IF SUPPORTS ARE REMOVED FOR LEFT WALL
   * 19: END SUPPORT REMOVAL

   *20: ADD LATERAL LINE LOADS PLACED DIRECTLY ON WALL

ENDSTEP
*END DATA FOR STAGE 0 NAME: 0_Geostatica
*****************************************************************

*****************************************************************
*START DATA FOR STAGE: 1 Name: 1_Scavo
step 1 : 1_Scavo


* DATA FOR LEFT WALL
setwall Leftwall
*10.a: DESCRIBE Kp, Ka Changes for this stage due to Defined Wall Friction, Slope or Strength Code Changes
* LAYER 1 Stage 1
* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaUH = 0.238 x 0.238/0.238 = 0.238
* KpDH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpDH = 4.204 x 4.204 /4.204 = 4.204
* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaDH = 0.238 x 0.238/0.238 = 0.238
* KpUH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpUH = 4.204 x 4.204 /4.204 = 4.204
* END LAYER 1 Stage : 1
* LAYER 2 Stage 1
* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaUH = 0.238 x 0.238/0.238 = 0.238
* KpDH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpDH = 4.204 x 4.204 /4.204 = 4.204
* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaDH = 0.238 x 0.238/0.238 = 0.238
```

```
* KpUH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpUH = 4.204 x 4.204 /4.204 = 4.204
* END LAYER 2 Stage : 1
* If Section 10.b is not specified then parameters are same as in previous stage.
*END 10.a


   *10.1 Generate left wall water elevations for stage 1
   geom 0 -2
   water -20 0 -2520 0 0

   *11: ADD LEFT WALL SUPPORTS

   *13.1: ADD LEFT WALL SURCHARGES NOT FROM LOADS DIRECTLY LOADING THE WALL
   *13.2.1: ADD LEFT WALL SURCHARGES CALCULATED FROM PARATIE ENGINE
   *13.2.1B: ADD LEFT WALL SURCHARGES CALCULATED OUTSIDE FROM PARATIE ENGINE, FOR LOADS NOT
CONFORMING TO SIMPLIFIED APPROACH



   *13.3: ADD WALL SURCHARGES THAT ARE DIRECTLY ON THE LEFT WALL
   *13.3: END ADDING WALL SURCHARGES ON LEFT WALL
   * END DATA FOR LEFT WALL

   *19.1 EXAMINE IF SUPPORTS ARE REMOVED FOR LEFT WALL
   * 19: END SUPPORT REMOVAL

   *20: ADD LATERAL LINE LOADS PLACED DIRECTLY ON WALL

ENDSTEP
*END DATA FOR STAGE 1 NAME: 1_Scavo
*****************************************************************

*****************************************************************
*START DATA FOR STAGE: 2 Name: 2_Puntello
step 2 : 2_Puntello


* DATA FOR LEFT WALL
setwall Leftwall
*10.a: DESCRIBE Kp, Ka Changes for this stage due to Defined Wall Friction, Slope or Strength Code Changes
* LAYER 1 Stage 2
* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaUH = 0.238 x 0.238/0.238 = 0.238
* KpDH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpDH = 4.204 x 4.204 /4.204 = 4.204
* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaDH = 0.238 x 0.238/0.238 = 0.238
* KpUH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpUH = 4.204 x 4.204 /4.204 = 4.204
* END LAYER 1 Stage : 2
* LAYER 2 Stage 2
* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaUH = 0.238 x 0.238/0.238 = 0.238
* KpDH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpDH = 4.204 x 4.204 /4.204 = 4.204
* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaDH = 0.238 x 0.238/0.238 = 0.238
```

```
* KpUH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpUH = 4.204 x 4.204 /4.204 = 4.204
* END LAYER 2 Stage : 2
* If Section 10.b is not specified then parameters are same as in previous stage.
*END 10.a


   *10.1 Generate left wall water elevations for stage 2
   geom 0 -2
   water -20 0 -2520 0 0

   *11: ADD LEFT WALL SUPPORTS
      ADD SPL_0

   *13.1: ADD LEFT WALL SURCHARGES NOT FROM LOADS DIRECTLY LOADING THE WALL
   *13.2.1: ADD LEFT WALL SURCHARGES CALCULATED FROM PARATIE ENGINE
   *13.2.1B: ADD LEFT WALL SURCHARGES CALCULATED OUTSIDE FROM PARATIE ENGINE, FOR LOADS NOT
CONFORMING TO SIMPLIFIED APPROACH



   *13.3: ADD WALL SURCHARGES THAT ARE DIRECTLY ON THE LEFT WALL
   *13.3: END ADDING WALL SURCHARGES ON LEFT WALL
   * END DATA FOR LEFT WALL

   *19.1 EXAMINE IF SUPPORTS ARE REMOVED FOR LEFT WALL
   * 19: END SUPPORT REMOVAL

   *20: ADD LATERAL LINE LOADS PLACED DIRECTLY ON WALL

ENDSTEP
*END DATA FOR STAGE 2 NAME: 2_Puntello
*****************************************************************

*****************************************************************
*START DATA FOR STAGE: 3 Name: 3_scavo
step 3 : 3_scavo


* DATA FOR LEFT WALL
setwall Leftwall
*10.a: DESCRIBE Kp, Ka Changes for this stage due to Defined Wall Friction, Slope or Strength Code Changes
* LAYER 1 Stage 3
* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaUH = 0.238 x 0.238/0.238 = 0.238
* KpDH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpDH = 4.204 x 4.204 /4.204 = 4.204
* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaDH = 0.238 x 0.238/0.238 = 0.238
* KpUH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpUH = 4.204 x 4.204 /4.204 = 4.204

   *10.1 Generate left wall water elevations for stage 3
   geom 0 -4
   water -20 0 -2520 0 0

   *11: ADD LEFT WALL SUPPORTS
```

```
   *13.1: ADD LEFT WALL SURCHARGES NOT FROM LOADS DIRECTLY LOADING THE WALL
   *13.2.1: ADD LEFT WALL SURCHARGES CALCULATED FROM PARATIE ENGINE
   *13.2.1B: ADD LEFT WALL SURCHARGES CALCULATED OUTSIDE FROM PARATIE ENGINE, FOR LOADS NOT
CONFORMING TO SIMPLIFIED APPROACH



   *13.3: ADD WALL SURCHARGES THAT ARE DIRECTLY ON THE LEFT WALL
   *13.3: END ADDING WALL SURCHARGES ON LEFT WALL
   * END DATA FOR LEFT WALL

   *19.1 EXAMINE IF SUPPORTS ARE REMOVED FOR LEFT WALL
   * 19: END SUPPORT REMOVAL

   *20: ADD LATERAL LINE LOADS PLACED DIRECTLY ON WALL

ENDSTEP
*END DATA FOR STAGE 3 NAME: 3_scavo
*****************************************************************

*****************************************************************
*START DATA FOR STAGE: 4 Name: 4_Puntello
step 4 : 4_Puntello


* DATA FOR LEFT WALL
setwall Leftwall
*10.a: DESCRIBE Kp, Ka Changes for this stage due to Defined Wall Friction, Slope or Strength Code Changes
* LAYER 1 Stage 4
* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaUH = 0.238 x 0.238/0.238 = 0.238
* KpDH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpDH = 4.204 x 4.204 /4.204 = 4.204
* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaDH = 0.238 x 0.238/0.238 = 0.238
* KpUH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpUH = 4.204 x 4.204 /4.204 = 4.204

   *10.1 Generate left wall water elevations for stage 4
   geom 0 -4
   water -20 0 -2520 0 0

   *11: ADD LEFT WALL SUPPORTS
      ADD SPL_1

   *13.1: ADD LEFT WALL SURCHARGES NOT FROM LOADS DIRECTLY LOADING THE WALL
   *13.2.1: ADD LEFT WALL SURCHARGES CALCULATED FROM PARATIE ENGINE
   *13.2.1B: ADD LEFT WALL SURCHARGES CALCULATED OUTSIDE FROM PARATIE ENGINE, FOR LOADS NOT
CONFORMING TO SIMPLIFIED APPROACH



   *13.3: ADD WALL SURCHARGES THAT ARE DIRECTLY ON THE LEFT WALL
   *13.3: END ADDING WALL SURCHARGES ON LEFT WALL
   * END DATA FOR LEFT WALL

   *19.1 EXAMINE IF SUPPORTS ARE REMOVED FOR LEFT WALL
   * 19: END SUPPORT REMOVAL
```

```
   *20: ADD LATERAL LINE LOADS PLACED DIRECTLY ON WALL

ENDSTEP
*END DATA FOR STAGE 4 NAME: 4_Puntello
*****************************************************************

*****************************************************************
*START DATA FOR STAGE: 5 Name: 5_Scavo
step 5 : 5_Scavo


* DATA FOR LEFT WALL
setwall Leftwall
*10.a: DESCRIBE Kp, Ka Changes for this stage due to Defined Wall Friction, Slope or Strength Code Changes
* LAYER 1 Stage 5
* KaUH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaUH = 0.238 x 0.238/0.238 = 0.238
* KpDH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpDH = 4.204 x 4.204 /4.204 = 4.204
* KaDH= KaHBase x [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kah(deg FR= 38, DFR= 0, Asur= 0)]=>
* KaDH = 0.238 x 0.238/0.238 = 0.238
* KpUH= KpHBase x  [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)] / [Rankine_Kph(deg FR= 38, DFR= 0, Asur= 0)]=>
* KpUH = 4.204 x 4.204 /4.204 = 4.204

   *10.1 Generate left wall water elevations for stage 5
   geom 0 -6.5
   water -20 0 -2520 0 0

   *11: ADD LEFT WALL SUPPORTS

   *13.1: ADD LEFT WALL SURCHARGES NOT FROM LOADS DIRECTLY LOADING THE WALL
   *13.2.1: ADD LEFT WALL SURCHARGES CALCULATED FROM PARATIE ENGINE
   *13.2.1B: ADD LEFT WALL SURCHARGES CALCULATED OUTSIDE FROM PARATIE ENGINE, FOR LOADS NOT
CONFORMING TO SIMPLIFIED APPROACH



   *13.3: ADD WALL SURCHARGES THAT ARE DIRECTLY ON THE LEFT WALL
   *13.3: END ADDING WALL SURCHARGES ON LEFT WALL
   * END DATA FOR LEFT WALL

   *19.1 EXAMINE IF SUPPORTS ARE REMOVED FOR LEFT WALL
   * 19: END SUPPORT REMOVAL

   *20: ADD LATERAL LINE LOADS PLACED DIRECTLY ON WALL

ENDSTEP
*END DATA FOR STAGE 5 NAME: 5_Scavo
*****************************************************************

set country english
*
*
```

16 TABULATI SLIDE

16.1 MURO DI SOSTEGNO - FASE STATICA

16.1.1 INPUT

Document Name

File Name: pk1+863_ASSE C muro stat.sli

Project Settings

Project Title: SLIDE - An Interactive Slope Stability Program
Failure Direction: Right to Left
Units of Measurement: SI Units
Pore Fluid Unit Weight: 9.81 kN/m3
Groundwater Method: Water Surfaces
Data Output: Standard
Calculate Excess Pore Pressure: Off
Allow Ru with Water Surfaces or Grids: Off
Random Numbers: Pseudo-random Seed
Random Number Seed: 10116
Random Number Generation Method: Park and Miller v.3

Analysis Methods

Analysis Methods used:
Bishop simplified
Janbu simplified
Ordinary/Fellenius
Spencer

Number of slices: 25
Tolerance: 0.005
Maximum number of iterations: 50

Surface Options

Surface Type: Circular
Search Method: Grid Search
Radius increment: 10
Composite Surfaces: Disabled
Reverse Curvature: Create Tension Crack
Minimum Elevation: Not Defined
Minimum Depth: Not Defined

Loading

2 Distributed Loads present:
Distributed Load Constant Distribution, Orientation: Normal to boundary, Magnitude: 26 kN/m2
Distributed Load Constant Distribution, Orientation: Normal to boundary, Magnitude: 26 kN/m2

Material Properties

Material: Material 1
Strength Type: Mohr-Coulomb
Unit Weight: 20 kN/m3
Cohesion: 0 kPa
Friction Angle: 32 degrees
Water Surface: None

Material: Material 2
Strength Type: Mohr-Coulomb
Unit Weight: 20 kN/m3
Cohesion: 0 kPa
Friction Angle: 32 degrees
Water Surface: None

Material: muro
Strength Type: Mohr-Coulomb
Unit Weight: 20 kN/m3
Cohesion: 1 kPa
Friction Angle: 35 degrees
Water Surface: None

List of All Coordinates

Material Boundary

249219.161	688844.705
249219.161	688818.652
249169.161	688818.652
249169.161	688748.652
249659.161	688748.652
249659.161	688752.092
249659.161	688818.652
249279.161	688818.652
249279.161	689267.958

Material Boundary

249655.801	688751.858
249659.161	688752.092
252378.859	688941.868

External Boundary

252378.859	689908.282
252003.013	689898.886
252003.013	689908.886
251853.013	689908.886
251634.763	689784.172
251239.215	689784.172
251089.215	689784.172
251089.215	689774.172
250989.207	689771.675
250589.173	689761.691
250439.161	689757.958
250439.161	689767.958
250289.161	689767.958
249414.161	689267.958
249279.161	689267.958
249279.161	689276.430
249219.161	689276.430
249219.161	688844.705

249093.050 688844.705
248549.033 688851.623
248454.977 688851.623
248381.926 688839.194
247210.859 688759.148
247188.786 688740.194
246970.719 688651.137
246970.719 687617.187
252378.859 687617.187
252378.859 688941.868

Focus/Block Search Line
249658.891 687618.624
249658.891 688748.698

Search Grid
247740.685 689132.392
249617.541 689132.392
249617.541 690679.724
247740.685 690679.724

Distributed Load
251066.632 689773.608
250989.207 689771.675
250589.173 689761.691
250455.946 689758.375

Distributed Load
252378.859 689908.282
252003.013 689898.886

16.1.2 OUTPUT

```
Raw Data for Minimum Circle Results
Center_x      Center_y      Radius Factor_of_Safety
247740.685    689132.392     1956.204   -1000.00000
247740.685    689218.355     1974.865   -1000.00000
247740.685    689304.318     1997.055   -1000.00000
247740.685    689390.281     2022.657   -1000.00000
247740.685    689476.244     2051.545   -1000.00000
247740.685    689562.206     2083.581   -1000.00000
247740.685    689648.169     2118.623   -1000.00000
247740.685    689734.132     2156.524   -1000.00000
247740.685    689820.095     2197.136   -1000.00000
247740.685    689906.058     2240.312   -1000.00000
247740.685    689992.021     2285.906   -1000.00000
247740.685    690077.984     2333.777   -1000.00000
247740.685    690163.947     2383.788   -1000.00000
247740.685    690249.910     2435.806   -1000.00000
247740.685    690335.872     2489.706   -1000.00000
247740.685    690421.835     2545.369   -1000.00000
247740.685    690507.798     2602.681   -1000.00000
247740.685    690593.761     2661.536   -1000.00000
247740.685    690679.724     2721.833   -1000.00000
247825.997    689132.392     1872.625   -1000.00000
247825.997    689218.355     1892.110   -1000.00000
247825.997    689304.318     1915.258   -1000.00000
247825.997    689390.281     1941.940   -1000.00000
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247825.997    689648.169     2041.703   -1000.00000
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249446.918	689132.392	547.372	2.87168
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249446.918	689304.318	594.681	2.29695
249446.918	689390.281	675.693	2.11865
249446.918	689476.244	757.796	1.98904
249446.918	689562.206	840.672	1.89274
249446.918	689648.169	924.111	1.82596
249446.918	689734.132	1007.975	1.78268
249446.918	689820.095	1092.165	1.75642
249446.918	689906.058	1176.612	1.74326
249446.918	689992.021	1261.263	1.74215
249446.918	690077.984	1346.081	1.74832
249446.918	690163.947	1431.035	1.75936
249446.918	690249.910	1516.103	1.77403
249446.918	690335.872	1601.267	1.79134
249446.918	690421.835	1686.512	1.81060
249446.918	690507.798	1771.826	1.83132
249446.918	690593.761	1857.200	1.85249
249446.918	690679.724	1942.626	1.87422
249532.229	689132.392	627.059	3.26674
249532.229	689218.355	710.097	2.91194
249532.229	689304.318	681.931	2.61893
249532.229	689390.281	766.187	2.40060
249532.229	689476.244	850.833	2.25856
249532.229	689562.206	823.310	2.14151
249532.229	689648.169	908.346	2.04349
249532.229	689734.132	993.541	1.98231
249532.229	689820.095	1078.858	1.94360
249532.229	689906.058	1164.270	1.92006
249532.229	689992.021	1249.758	1.91004
249532.229	690077.984	1335.307	1.90849
249532.229	690163.947	1420.905	1.91395
249532.229	690249.910	1506.545	1.92395
249532.229	690335.872	1592.220	1.93730
249532.229	690421.835	1677.925	1.95319
249532.229	690507.798	1763.654	1.97041
249532.229	690593.761	1849.406	1.98858
249532.229	690679.724	1935.176	2.00931
249617.541	689132.392	724.441	3.56338
249617.541	689218.355	810.111	3.24095
249617.541	689304.318	782.965	2.93487
249617.541	689390.281	755.836	2.70486
249617.541	689476.244	841.656	2.50939
249617.541	689562.206	927.505	2.37694
249617.541	689648.169	1013.376	2.29570
249617.541	689734.132	1099.262	2.23701
249617.541	689820.095	1185.161	2.19594
249617.541	689906.058	1158.098	2.15735

249617.541	689992.021	1244.010	2.13442
249617.541	690077.984	1329.929	2.12263
249617.541	690163.947	1415.853	2.11881
249617.541	690249.910	1501.781	2.12078
249617.541	690335.872	1587.713	2.12714
249617.541	690421.835	1673.648	2.13574
249617.541	690507.798	1759.586	2.14740
249617.541	690593.761	1845.526	2.16248
249617.541	690679.724	1931.469	2.17839

16.2 MURO DI SOSTEGNO - FASE SISMICA

16.2.1 INPUT

Document Name

File Name: pk1+863_ASSE C muro sis.sli

Project Settings

Project Title: SLIDE - An Interactive Slope Stability Program
Failure Direction: Right to Left
Units of Measurement: SI Units
Pore Fluid Unit Weight: 9.81 kN/m3
Groundwater Method: Water Surfaces
Data Output: Standard
Calculate Excess Pore Pressure: Off
Allow Ru with Water Surfaces or Grids: Off
Random Numbers: Pseudo-random Seed
Random Number Seed: 10116
Random Number Generation Method: Park and Miller v.3

Analysis Methods

Analysis Methods used:
Bishop simplified
Janbu simplified
Ordinary/Fellenius
Spencer

Number of slices: 25
Tolerance: 0.005
Maximum number of iterations: 50

Surface Options

Surface Type: Circular
Search Method: Grid Search
Radius increment: 10
Composite Surfaces: Disabled
Reverse Curvature: Create Tension Crack
Minimum Elevation: Not Defined
Minimum Depth: Not Defined

Loading

Seismic Load Coefficient (Horizontal): 0.126
Seismic Load Coefficient (Vertical): -0.063
2 Distributed Loads present:
Distributed Load Constant Distribution, Orientation: Normal to boundary, Magnitude: 10 kN/m2
Distributed Load Constant Distribution, Orientation: Normal to boundary, Magnitude: 10 kN/m2

Material Properties

Material: Material 1
Strength Type: Mohr-Coulomb

Unit Weight: 20 kN/m3
Cohesion: 0 kPa
Friction Angle: 32 degrees
Water Surface: None

Material: Material 2
Strength Type: Mohr-Coulomb
Unit Weight: 20 kN/m3
Cohesion: 0 kPa
Friction Angle: 32 degrees
Water Surface: None

Material: muro
Strength Type: Mohr-Coulomb
Unit Weight: 20 kN/m3
Cohesion: 1 kPa
Friction Angle: 35 degrees
Water Surface: None

List of All Coordinates

Material Boundary

249219.161	688844.705
249219.161	688818.652
249169.161	688818.652
249169.161	688748.652
249659.161	688748.652
249659.161	688752.092
249659.161	688818.652
249279.161	688818.652
249279.161	689267.958

Material Boundary

249655.801	688751.858
249659.161	688752.092
252378.859	688941.868

External Boundary

252378.859	689908.282
252003.013	689898.886
252003.013	689908.886
251853.013	689908.886
251634.763	689784.172
251239.215	689784.172
251089.215	689784.172
251089.215	689774.172
250989.207	689771.675
250589.173	689761.691
250439.161	689757.958
250439.161	689767.958
250289.161	689767.958
249414.161	689267.958
249279.161	689267.958
249279.161	689276.430
249219.161	689276.430
249219.161	688844.705
249093.050	688844.705
248549.033	688851.623

248454.977 688851.623
248381.926 688839.194
247210.859 688759.148
247188.786 688740.194
246970.719 688651.137
246970.719 687617.187
252378.859 687617.187
252378.859 688941.868

Focus/Block Search Line
249658.891 687618.624
249658.891 688748.698

Search Grid
247740.685 689132.392
249617.541 689132.392
249617.541 690679.724
247740.685 690679.724

Distributed Load
251066.632 689773.608
250989.207 689771.675
250589.173 689761.691
250455.946 689758.375

Distributed Load
252378.859 689908.282
252003.013 689898.886

16.2.2 OUTPUT

```
Raw Data for Minimum Circle Results
Center_x      Center_y      Radius Factor_of_Safety
247740.685    689132.392     1956.204   -1000.00000
247740.685    689218.355     1974.865   -1000.00000
247740.685    689304.318     1997.055   -1000.00000
247740.685    689390.281     2022.657   -1000.00000
247740.685    689476.244     2051.545   -1000.00000
247740.685    689562.206     2083.581   -1000.00000
247740.685    689648.169     2118.623   -1000.00000
247740.685    689734.132     2156.524   -1000.00000
247740.685    689820.095     2197.136   -1000.00000
247740.685    689906.058     2240.312   -1000.00000
247740.685    689992.021     2285.906   -1000.00000
247740.685    690077.984     2333.777   -1000.00000
247740.685    690163.947     2383.788   -1000.00000
247740.685    690249.910     2435.806   -1000.00000
247740.685    690335.872     2489.706   -1000.00000
247740.685    690421.835     2545.369   -1000.00000
247740.685    690507.798     2602.681   -1000.00000
247740.685    690593.761     2661.536   -1000.00000
247740.685    690679.724     2721.833   -1000.00000
247825.997    689132.392     1872.625   -1000.00000
247825.997    689218.355     1892.110   -1000.00000
247825.997    689304.318     1915.258   -1000.00000
247825.997    689390.281     1941.940   -1000.00000
247825.997    689476.244     1972.010   -1000.00000
247825.997    689562.206     2005.317   -1000.00000
247825.997    689648.169     2041.703   -1000.00000
247825.997    689734.132     2081.005   -1000.00000
247825.997    689820.095     2123.062   -1000.00000
```

247825.997	689906.058	2167.714	-1000.00000
247825.997	689992.021	2214.803	-1000.00000
247825.997	690077.984	2264.178	-1000.00000
247825.997	690163.947	2315.692	-1000.00000
247825.997	690249.910	2369.206	-1000.00000
247825.997	690335.872	2424.587	-1000.00000
247825.997	690421.835	2481.711	-1000.00000
247825.997	690507.798	2540.460	-1000.00000
247825.997	690593.761	2600.723	-1000.00000
247825.997	690679.724	2662.398	-1000.00000
247911.308	689132.392	1789.208	-1000.00000
247911.308	689218.355	1809.592	-1000.00000
247911.308	689304.318	1833.783	-1000.00000
247911.308	689390.281	1861.632	-1000.00000
247911.308	689476.244	1892.979	-1000.00000
247911.308	689562.206	1927.652	-1000.00000
247911.308	689648.169	1965.476	-1000.00000
247911.308	689734.132	2006.272	-1000.00000
247911.308	689820.095	2049.863	-1000.00000
247911.308	689906.058	2096.074	-1000.00000
247911.308	689992.021	2144.737	-1000.00000
247911.308	690077.984	2195.688	-1000.00000
247911.308	690163.947	2248.772	-1000.00000
247911.308	690249.910	2303.841	-1000.00000
247911.308	690335.872	2360.756	-1000.00000
247911.308	690421.835	2419.387	-1000.00000
247911.308	690507.798	2479.613	-1000.00000
247911.308	690593.761	2541.319	-1000.00000
247911.308	690679.724	2604.401	-1000.00000
247996.620	689132.392	1705.980	-1000.00000
247996.620	689218.355	1727.346	-1000.00000
247996.620	689304.318	1752.672	-1000.00000
247996.620	689390.281	1781.789	-1000.00000
247996.620	689476.244	1814.516	-1000.00000
247996.620	689562.206	1850.660	-1000.00000
247996.620	689648.169	1890.025	-1000.00000
247996.620	689734.132	1932.414	-1000.00000
247996.620	689820.095	1977.634	-1000.00000
247996.620	689906.058	2025.494	-1000.00000
247996.620	689992.021	2075.812	-1000.00000
247996.620	690077.984	2128.414	-1000.00000
247996.620	690163.947	2183.134	-1000.00000
247996.620	690249.910	2239.817	-1000.00000
247996.620	690335.872	2298.318	-1000.00000
247996.620	690421.835	2358.502	-1000.00000
247996.620	690507.798	2420.244	-1000.00000
247996.620	690593.761	2483.426	-1000.00000
247996.620	690679.724	2547.942	-1000.00000
248081.932	689132.392	1622.967	-1000.00000
248081.932	689218.355	1645.411	-1000.00000
248081.932	689304.318	1671.979	-1000.00000
248081.932	689390.281	1702.477	-1000.00000
248081.932	689476.244	1736.699	-1000.00000
248081.932	689562.206	1774.429	-1000.00000
248081.932	689648.169	1815.448	-1000.00000
248081.932	689734.132	1859.538	-1000.00000
248081.932	689820.095	1906.487	-1000.00000
248081.932	689906.058	1956.089	-1000.00000
248081.932	689992.021	2008.147	-1000.00000
248081.932	690077.984	2062.475	-1000.00000
248081.932	690163.947	2118.898	-1000.00000
248081.932	690249.910	2177.255	-1000.00000
248081.932	690335.872	2237.392	-1000.00000
248081.932	690421.835	2299.172	-1000.00000
248081.932	690507.798	2362.464	-1000.00000
248081.932	690593.761	2427.150	-1000.00000
248081.932	690679.724	2493.123	-1000.00000

248167.243	689132.392	1540.206	-1000.00000
248167.243	689218.355	1563.838	-1000.00000
248167.243	689304.318	1591.768	-1000.00000
248167.243	689390.281	1623.774	-1000.00000
248167.243	689476.244	1659.619	-1000.00000
248167.243	689562.206	1699.061	-1000.00000
248167.243	689648.169	1741.856	-1000.00000
248167.243	689734.132	1787.762	-1000.00000
248167.243	689820.095	1836.547	-1000.00000
248167.243	689906.058	1887.987	-1000.00000
248167.243	689992.021	1941.872	-1000.00000
248167.243	690077.984	1998.002	-1000.00000
248167.243	690163.947	2056.196	-1000.00000
248167.243	690249.910	2116.282	-1000.00000
248167.243	690335.872	2178.104	-1000.00000
248167.243	690421.835	2241.518	-1000.00000
248167.243	690507.798	2306.393	-1000.00000
248167.243	690593.761	2372.609	-1000.00000
248167.243	690679.724	2440.056	-1000.00000
248252.555	689132.392	1457.739	-1000.00000
248252.555	689218.355	1482.686	-1000.00000
248252.555	689304.318	1512.116	-1000.00000
248252.555	689390.281	1545.772	-1000.00000
248252.555	689476.244	1583.384	-1000.00000
248252.555	689562.206	1624.678	-1000.00000
248252.555	689648.169	1669.380	-1000.00000
248252.555	689734.132	1717.225	-1000.00000
248252.555	689820.095	1767.957	-1000.00000
248252.555	689906.058	1821.336	-1000.00000
248252.555	689992.021	1877.134	-1000.00000
248252.555	690077.984	1935.144	-1000.00000
248252.555	690163.947	1995.172	-1000.00000
248252.555	690249.910	2057.041	-1000.00000
248252.555	690335.872	2120.591	-1000.00000
248252.555	690421.835	2185.674	-1000.00000
248252.555	690507.798	2252.158	-1000.00000
248252.555	690593.761	2319.922	-1000.00000
248252.555	690679.724	2388.858	-1000.00000
248337.866	689132.392	1391.686	4.54434
248337.866	689218.355	1425.196	4.18164
248337.866	689304.318	1462.707	3.87437
248337.866	689390.281	1503.989	3.61441
248337.866	689476.244	1548.767	3.31275
248337.866	689562.206	1565.024	3.10682
248337.866	689648.169	1603.129	2.91297
248337.866	689734.132	1648.086	2.71913
248337.866	689820.095	1700.881	2.57060
248337.866	689906.058	1756.300	2.43958
248337.866	689992.021	1814.100	2.31409
248337.866	690077.984	1874.062	2.21068
248337.866	690163.947	1935.984	2.11841
248337.866	690249.910	1999.685	2.03033
248337.866	690335.872	2065.001	1.95524
248337.866	690421.835	2131.782	1.88937
248337.866	690507.798	2199.895	1.83176
248337.866	690593.761	2269.221	1.77899
248337.866	690679.724	2339.651	1.73562
248423.178	689132.392	1467.735	4.33569
248423.178	689218.355	1499.727	4.00694
248423.178	689304.318	1535.633	3.72464
248423.178	689390.281	1575.209	3.48250
248423.178	689476.244	1433.984	3.17849
248423.178	689562.206	1479.453	2.96787
248423.178	689648.169	1528.409	2.74736
248423.178	689734.132	1580.527	2.58103
248423.178	689820.095	1635.505	2.43640
248423.178	689906.058	1693.065	2.29979

248423.178	689992.021	1752.951	2.18842
248423.178	690077.984	1814.934	2.09010
248423.178	690163.947	1878.807	1.99750
248423.178	690249.910	1944.382	1.91878
248423.178	690335.872	2011.494	1.84963
248423.178	690421.835	2079.994	1.78729
248423.178	690507.798	2149.749	1.73567
248423.178	690593.761	2220.641	1.69163
248423.178	690679.724	2292.564	1.65342
248508.490	689132.392	1511.582	4.20010
248508.490	689218.355	1242.578	3.85211
248508.490	689304.318	1277.551	3.54377
248508.490	689390.281	1317.214	3.20385
248508.490	689476.244	1361.156	2.97163
248508.490	689562.206	1408.978	2.77326
248508.490	689648.169	1460.299	2.55667
248508.490	689734.132	1514.762	2.40044
248508.490	689820.095	1572.042	2.25521
248508.490	689906.058	1631.841	2.13844
248508.490	689992.021	1693.893	2.03596
248508.490	690077.984	1757.960	1.94112
248508.490	690163.947	1823.829	1.86122
248508.490	690249.910	1891.312	1.79044
248508.490	690335.872	1960.241	1.72780
248508.490	690421.835	2030.471	1.67630
248508.490	690507.798	2101.870	1.63265
248508.490	690593.761	2174.323	1.59551
248508.490	690679.724	2247.729	1.56242
248593.801	689132.392	1132.094	3.97214
248593.801	689218.355	1164.042	3.60927
248593.801	689304.318	1201.303	3.31127
248593.801	689390.281	1243.400	2.98078
248593.801	689476.244	1289.860	2.76046
248593.801	689562.206	1340.228	2.54129
248593.801	689648.169	1394.082	2.37091
248593.801	689734.132	1451.033	2.21117
248593.801	689820.095	1510.731	2.08785
248593.801	689906.058	1572.863	1.98110
248593.801	689992.021	1637.152	1.88297
248593.801	690077.984	1703.355	1.80194
248593.801	690163.947	1771.255	1.72837
248593.801	690249.910	1840.666	1.66761
248593.801	690335.872	1911.423	1.61639
248593.801	690421.835	1983.382	1.57347
248593.801	690507.798	2056.417	1.53687
248593.801	690593.761	2130.416	1.50686
248593.801	690679.724	2205.284	1.48157
248679.113	689132.392	1052.229	3.70947
248679.113	689218.355	1086.528	3.35750
248679.113	689304.318	1126.356	3.00176
248679.113	689390.281	1171.150	2.75251
248679.113	689476.244	1220.364	2.51865
248679.113	689562.206	1273.484	2.34315
248679.113	689648.169	1330.043	2.17364
248679.113	689734.132	1389.621	2.04222
248679.113	689820.095	1451.846	1.93032
248679.113	689906.058	1516.393	1.82734
248679.113	689992.021	1582.977	1.74500
248679.113	690077.984	1651.353	1.66936
248679.113	690163.947	1721.306	1.60823
248679.113	690249.910	1792.652	1.55750
248679.113	690335.872	1865.231	1.51511
248679.113	690421.835	1938.905	1.48111
248679.113	690507.798	2013.554	1.45305
248679.113	690593.761	2089.072	1.42958
248679.113	690679.724	2165.370	1.41063
248764.425	689132.392	973.289	3.44282

248764.425	689218.355	1010.271	3.10523
248764.425	689304.318	1052.988	2.76208
248764.425	689390.281	1100.772	2.52978
248764.425	689476.244	1152.993	2.30862
248764.425	689562.206	1209.077	2.14994
248764.425	689648.169	1268.510	1.99853
248764.425	689734.132	1330.846	1.87371
248764.425	689820.095	1395.694	1.77504
248764.425	689906.058	1462.721	1.68697
248764.425	689992.021	1531.640	1.61547
248764.425	690077.984	1602.208	1.55388
248764.425	690163.947	1674.216	1.50054
248764.425	690249.910	1747.486	1.45978
248764.425	690335.872	1821.865	1.42769
248764.425	690421.835	1897.224	1.40211
248764.425	690507.798	1973.450	1.38139
248764.425	690593.761	2050.446	1.36493
248764.425	690679.724	2128.129	1.35205
248849.736	689132.392	895.518	3.16758
248849.736	689218.355	935.579	2.78990
248849.736	689304.318	981.552	2.52408
248849.736	689390.281	1032.647	2.28728
248849.736	689476.244	1088.142	2.11336
248849.736	689562.206	1147.400	1.95614
248849.736	689648.169	1209.868	1.82698
248849.736	689734.132	1275.073	1.72467
248849.736	689820.095	1342.618	1.63614
248849.736	689906.058	1412.166	1.56465
248849.736	689992.021	1483.436	1.50128
248849.736	690077.984	1556.192	1.45152
248849.736	690163.947	1630.233	1.41201
248849.736	690249.910	1705.394	1.37957
248849.736	690335.872	1781.531	1.35600
248849.736	690421.835	1858.526	1.33774
248849.736	690507.798	1936.276	1.32400
248849.736	690593.761	2014.693	1.31376
248849.736	690679.724	2093.703	1.30644
248935.048	689132.392	819.250	2.89747
248935.048	689218.355	862.859	2.54146
248935.048	689304.318	912.503	2.27568
248935.048	689390.281	967.252	2.08264
248935.048	689476.244	1026.290	1.91667
248935.048	689562.206	1088.919	1.78532
248935.048	689648.169	1154.555	1.68436
248935.048	689734.132	1222.714	1.59099
248935.048	689820.095	1292.997	1.51912
248935.048	689906.058	1365.075	1.45656
248935.048	689992.021	1438.680	1.40708
248935.048	690077.984	1513.588	1.36793
248935.048	690163.947	1589.616	1.33913
248935.048	690249.910	1666.609	1.31786
248935.048	690335.872	1744.440	1.30102
248935.048	690421.835	1823.002	1.28981
248935.048	690507.798	1902.205	1.28213
248935.048	690593.761	1981.970	1.27722
248935.048	690679.724	2062.234	1.27494
249020.360	689132.392	744.945	2.59189
249020.360	689218.355	792.654	2.30726
249020.360	689304.318	846.425	2.06885
249020.360	689390.281	905.180	1.89009
249020.360	689476.244	968.011	1.74904
249020.360	689562.206	1034.175	1.64394
249020.360	689648.169	1103.073	1.55515
249020.360	689734.132	1174.224	1.48136
249020.360	689820.095	1247.243	1.42222
249020.360	689906.058	1321.819	1.36952
249020.360	689992.021	1397.703	1.33235

249020.360	690077.984	1474.694	1.30523
249020.360	690163.947	1552.627	1.28628
249020.360	690249.910	1631.367	1.27311
249020.360	690335.872	1710.802	1.26384
249020.360	690421.835	1790.841	1.25872
249020.360	690507.798	1871.405	1.25647
249020.360	690593.761	1952.429	1.25645
249020.360	690679.724	2033.859	1.25792
249105.671	689132.392	673.256	2.34412
249105.671	689218.355	725.693	2.07420
249105.671	689304.318	784.070	1.87719
249105.671	689390.281	847.160	1.72678
249105.671	689476.244	913.988	1.61792
249105.671	689562.206	983.793	1.52806
249105.671	689648.169	1055.983	1.45450
249105.671	689734.132	1130.103	1.39801
249105.671	689820.095	1205.796	1.34995
249105.671	689906.058	1282.784	1.31000
249105.671	689992.021	1360.847	1.28319
249105.671	690077.984	1439.810	1.26571
249105.671	690163.947	1519.533	1.25442
249105.671	690249.910	1599.903	1.24811
249105.671	690335.872	1680.826	1.24534
249105.671	690421.835	1762.226	1.24512
249105.671	690507.798	1844.041	1.24722
249105.671	690593.761	1926.217	1.25106
249105.671	690679.724	2008.709	1.25623
249190.983	689132.392	605.111	2.12734
249190.983	689218.355	662.960	1.89639
249190.983	689304.318	726.396	1.72790
249190.983	689390.281	794.082	1.60623
249190.983	689476.244	865.021	1.51636
249190.983	689562.206	938.474	1.44219
249190.983	689648.169	1013.897	1.38582
249190.983	689734.132	1090.880	1.33840
249190.983	689820.095	1169.115	1.30167
249190.983	689906.058	1248.367	1.27418
249190.983	689992.021	1328.454	1.25741
249190.983	690077.984	1409.233	1.24782
249190.983	690163.947	1490.593	1.24240
249190.983	690249.910	1572.442	1.24181
249190.983	690335.872	1654.709	1.24392
249190.983	690421.835	1737.333	1.24811
249190.983	690507.798	1820.267	1.25370
249190.983	690593.761	1903.469	1.26052
249190.983	690679.724	1986.907	1.26830
249276.294	689132.392	541.850	2.04142
249276.294	689218.355	605.770	1.82301
249276.294	689304.318	674.606	1.66845
249276.294	689390.281	747.000	1.55955
249276.294	689476.244	822.011	1.47633
249276.294	689562.206	898.986	1.41484
249276.294	689648.169	977.460	1.36261
249276.294	689734.132	1057.100	1.32365
249276.294	689820.095	1137.661	1.29310
249276.294	689906.058	1218.960	1.27177
249276.294	689992.021	1300.858	1.26118
249276.294	690077.984	1383.250	1.25542
249276.294	690163.947	1466.052	1.25439
249276.294	690249.910	1549.199	1.25639
249276.294	690335.872	1632.637	1.26093
249276.294	690421.835	1716.324	1.26812
249276.294	690507.798	1800.226	1.27562
249276.294	690593.761	1884.314	1.28405
249276.294	690679.724	1968.563	1.29324
249361.606	689132.392	485.386	2.16903
249361.606	689218.355	555.838	1.90478

249361.606	689304.318	630.152	1.72966
249361.606	689390.281	707.111	1.60658
249361.606	689476.244	785.939	1.51584
249361.606	689562.206	866.126	1.44606
249361.606	689648.169	947.326	1.39186
249361.606	689734.132	1029.300	1.35318
249361.606	689820.095	1111.877	1.32447
249361.606	689906.058	1194.931	1.30689
249361.606	689992.021	1278.370	1.29723
249361.606	690077.984	1362.123	1.29400
249361.606	690163.947	1446.135	1.29402
249361.606	690249.910	1530.364	1.29682
249361.606	690335.872	1614.776	1.30166
249361.606	690421.835	1699.343	1.30848
249361.606	690507.798	1784.044	1.31634
249361.606	690593.761	1868.860	1.32500
249361.606	690679.724	1953.776	1.33428
249446.918	689132.392	547.372	2.55867
249446.918	689218.355	625.121	2.22212
249446.918	689304.318	594.681	1.95288
249446.918	689390.281	675.693	1.77146
249446.918	689476.244	757.796	1.64329
249446.918	689562.206	840.672	1.54959
249446.918	689648.169	924.111	1.48255
249446.918	689734.132	1007.975	1.43533
249446.918	689820.095	1092.165	1.40275
249446.918	689906.058	1176.612	1.38115
249446.918	689992.021	1261.263	1.36907
249446.918	690077.984	1346.081	1.36298
249446.918	690163.947	1431.035	1.36102
249446.918	690249.910	1516.103	1.36216
249446.918	690335.872	1601.267	1.36558
249446.918	690421.835	1686.512	1.37072
249446.918	690507.798	1771.826	1.37715
249446.918	690593.761	1857.200	1.38416
249446.918	690679.724	1942.626	1.39178
249532.229	689132.392	627.059	2.90311
249532.229	689218.355	710.097	2.51010
249532.229	689304.318	681.931	2.22218
249532.229	689390.281	766.187	2.00491
249532.229	689476.244	850.833	1.86136
249532.229	689562.206	823.310	1.74816
249532.229	689648.169	908.346	1.65256
249532.229	689734.132	993.541	1.58791
249532.229	689820.095	1078.858	1.54292
249532.229	689906.058	1164.270	1.51143
249532.229	689992.021	1249.758	1.49073
249532.229	690077.984	1335.307	1.47729
249532.229	690163.947	1420.905	1.46963
249532.229	690249.910	1506.545	1.46592
249532.229	690335.872	1592.220	1.46516
249532.229	690421.835	1677.925	1.46664
249532.229	690507.798	1763.654	1.46945
249532.229	690593.761	1849.406	1.47334
249532.229	690679.724	1935.176	1.47928
249617.541	689132.392	837.282	3.15141
249617.541	689218.355	810.111	2.77943
249617.541	689304.318	782.965	2.48225
249617.541	689390.281	755.836	2.25382
249617.541	689476.244	841.656	2.05855
249617.541	689562.206	927.505	1.92388
249617.541	689648.169	1013.376	1.83503
249617.541	689734.132	1099.262	1.76866
249617.541	689820.095	1185.161	1.71916
249617.541	689906.058	1158.098	1.68084
249617.541	689992.021	1244.010	1.64862
249617.541	690077.984	1329.929	1.62579

249617.541	690163.947	1415.853	1.60977
249617.541	690249.910	1501.781	1.59877
249617.541	690335.872	1587.713	1.59161
249617.541	690421.835	1673.648	1.58681
249617.541	690507.798	1759.586	1.58462
249617.541	690593.761	1845.526	1.58517
249617.541	690679.724	1931.469	1.58665

16.3 PARATIA PROVVISORIA

16.3.1 INPUT

Document Name

File Name: pk1+863_ASSE C para stat.sli

Project Settings

Project Title: SLIDE - An Interactive Slope Stability Program
Failure Direction: Right to Left
Units of Measurement: SI Units
Pore Fluid Unit Weight: 9.81 kN/m3
Groundwater Method: Water Surfaces
Data Output: Standard
Calculate Excess Pore Pressure: Off
Allow Ru with Water Surfaces or Grids: Off
Random Numbers: Pseudo-random Seed
Random Number Seed: 10116
Random Number Generation Method: Park and Miller v.3

Analysis Methods

Analysis Methods used:
Bishop simplified
Janbu simplified
Ordinary/Fellenius
Spencer

Number of slices: 25
Tolerance: 0.005
Maximum number of iterations: 50

Surface Options

Surface Type: Circular
Search Method: Grid Search
Radius increment: 10
Composite Surfaces: Disabled
Reverse Curvature: Create Tension Crack
Minimum Elevation: Not Defined
Minimum Depth: Not Defined

Loading

2 Distributed Loads present:
Distributed Load Constant Distribution, Orientation: Normal to boundary, Magnitude: 26 kN/m2
Distributed Load Constant Distribution, Orientation: Normal to boundary, Magnitude: 26 kN/m2

Material Properties

Material: Material 1
Strength Type: Mohr-Coulomb
Unit Weight: 20 kN/m3
Cohesion: 0 kPa

Friction Angle: 32 degrees
Water Surface: None

Material: Material 2
Strength Type: Mohr-Coulomb
Unit Weight: 20 kN/m3
Cohesion: 0 kPa
Friction Angle: 32 degrees
Water Surface: None

List of All Coordinates

Material Boundary

257273.325	702817.241
262814.426	702817.241

External Boundary

262814.426	704017.674
262498.794	704017.674
262388.649	703951.865
262267.299	703951.865
262147.299	703941.865
261897.298	703948.117
261628.704	703954.831
261613.975	703964.385
261481.397	703964.385
261461.455	703959.630
260340.917	703987.626
260320.855	703992.370
260191.271	703992.370
259169.069	703582.181
259079.070	703582.181
259064.070	703555.202
258945.070	703567.102
258944.070	703572.204
257824.070	703600.203
257804.070	703604.703
257674.249	703604.703
257273.325	703337.420
257273.325	702817.241
257273.325	702808.482
257242.656	702808.482
255424.277	702763.022
255390.564	702723.641
255360.889	702710.175
254387.727	702623.641
253994.176	702596.813
253909.955	702537.679
253864.545	702523.641
252859.403	702472.904
252859.403	700395.433
262814.426	700395.433
262814.426	702817.241

Focus/Block Search Line

257274.409	700403.654
257274.409	701862.941

Search Grid
254382.285 705001.780
257946.339 705001.780
257946.339 708525.638
254382.285 708525.638

Distributed Load
258911.804 703573.011
257824.070 703600.203

Distributed Load
261442.754 703960.098
260348.971 703987.424

16.3.2 OUTPUT

Raw Data for Minimum Circle Results

Center_x	Center_y	Radius	Factor_of_Safety
254382.285	705001.780	4268.102	-1000.00000
254382.285	705177.973	4399.298	-1000.00000
254382.285	705354.166	4533.545	-1000.00000
254382.285	705530.359	4670.582	-1000.00000
254382.285	705706.552	4810.169	-1000.00000
254382.285	705882.745	4952.091	-1000.00000
254382.285	706058.937	5096.152	-1000.00000
254382.285	706235.130	5242.177	-1000.00000
254382.285	706411.323	5390.006	-1000.00000
254382.285	706587.516	5539.494	-1000.00000
254382.285	706763.709	5690.511	-1000.00000
254382.285	706939.902	5842.937	-1000.00000
254382.285	707116.095	5996.666	-1000.00000
254382.285	707292.288	6151.601	-1000.00000
254382.285	707468.481	6307.651	-1000.00000
254382.285	707644.674	6464.736	-1000.00000
254382.285	707820.866	6622.783	-1000.00000
254382.285	707997.059	6781.725	-1000.00000
254382.285	708173.252	6941.499	-1000.00000
254382.285	708349.445	7102.050	-1000.00000
254382.285	708525.638	7263.327	-1000.00000
254560.488	705001.780	4149.419	-1000.00000
254560.488	705177.973	4284.251	-1000.00000
254560.488	705354.166	4421.993	-1000.00000
254560.488	705530.359	4562.381	-1000.00000
254560.488	705706.552	4705.179	-1000.00000
254560.488	705882.745	4850.174	-1000.00000
254560.488	706058.937	4997.175	-1000.00000
254560.488	706235.130	5146.009	-1000.00000
254560.488	706411.323	5296.523	-1000.00000
254560.488	706587.516	5448.576	-1000.00000
254560.488	706763.709	5602.044	-1000.00000
254560.488	706939.902	5756.814	-1000.00000
254560.488	707116.095	5912.782	-1000.00000
254560.488	707292.288	6069.858	-1000.00000
254560.488	707468.481	6227.957	-1000.00000
254560.488	707644.674	6387.003	-1000.00000
254560.488	707820.866	6546.926	-1000.00000
254560.488	707997.059	6707.666	-1000.00000
254560.488	708173.252	6869.163	-1000.00000
254560.488	708349.445	7031.366	-1000.00000
254560.488	708525.638	7194.227	-1000.00000
254738.690	705001.780	4035.119	-1000.00000
254738.690	705177.973	4173.644	-1000.00000
254738.690	705354.166	4314.919	-1000.00000

254738.690	705530.359	4458.680	-1000.00000
254738.690	705706.552	4604.695	-1000.00000
254738.690	705882.745	4752.756	-1000.00000
254738.690	706058.937	4902.679	-1000.00000
254738.690	706235.130	5054.296	-1000.00000
254738.690	706411.323	5207.461	-1000.00000
254738.690	706587.516	5362.041	-1000.00000
254738.690	706763.709	5517.916	-1000.00000
254738.690	706939.902	5674.980	-1000.00000
254738.690	707116.095	5833.138	-1000.00000
254738.690	707292.288	5992.301	-1000.00000
254738.690	707468.481	6152.393	-1000.00000
254738.690	707644.674	6313.343	-1000.00000
254738.690	707820.866	6475.087	-1000.00000
254738.690	707997.059	6637.566	-1000.00000
254738.690	708173.252	6800.728	-1000.00000
254738.690	708349.445	6964.525	-1000.00000
254738.690	708525.638	7128.913	-1000.00000
254916.893	705001.780	3925.582	-1000.00000
254916.893	705177.973	4067.840	-1000.00000
254916.893	705354.166	4212.664	-1000.00000
254916.893	705530.359	4359.798	-1000.00000
254916.893	705706.552	4509.016	-1000.00000
254916.893	705882.745	4660.118	-1000.00000
254916.893	706058.937	4812.927	-1000.00000
254916.893	706235.130	4967.285	-1000.00000
254916.893	706411.323	5123.052	-1000.00000
254916.893	706587.516	5280.104	-1000.00000
254916.893	706763.709	5438.328	-1000.00000
254916.893	706939.902	5597.626	-1000.00000
254916.893	707116.095	5757.908	-1000.00000
254916.893	707292.288	5919.095	-1000.00000
254916.893	707468.481	6081.115	-1000.00000
254916.893	707644.674	6243.902	-1000.00000
254916.893	707820.866	6407.399	-1000.00000
254916.893	707997.059	6571.552	-1000.00000
254916.893	708173.252	6736.313	-1000.00000
254916.893	708349.445	6901.639	-1000.00000
254916.893	708525.638	7067.490	-1000.00000
255095.096	705001.780	3821.219	-1000.00000
255095.096	705177.973	3967.221	-1000.00000
255095.096	705354.166	4115.587	-1000.00000
255095.096	705530.359	4266.071	-1000.00000
255095.096	705706.552	4418.456	-1000.00000
255095.096	705882.745	4572.552	-1000.00000
255095.096	706058.937	4728.191	-1000.00000
255095.096	706235.130	4885.227	-1000.00000
255095.096	706411.323	5043.529	-1000.00000
255095.096	706587.516	5202.982	-1000.00000
255095.096	706763.709	5363.482	-1000.00000
255095.096	706939.902	5524.938	-1000.00000
255095.096	707116.095	5687.269	-1000.00000
255095.096	707292.288	5850.403	-1000.00000
255095.096	707468.481	6014.273	-1000.00000
255095.096	707644.674	6178.822	-1000.00000
255095.096	707820.866	6343.996	-1000.00000
255095.096	707997.059	6509.748	-1000.00000
255095.096	708173.252	6676.034	-1000.00000
255095.096	708349.445	6842.817	-1000.00000
255095.096	708525.638	7010.060	-1000.00000
255273.299	705001.780	3722.466	-1000.00000
255273.299	705177.973	3872.193	-1000.00000
255273.299	705354.166	4024.065	-1000.00000
255273.299	705530.359	4177.846	-1000.00000
255273.299	705706.552	4333.334	-1000.00000
255273.299	705882.745	4490.352	-1000.00000
255273.299	706058.937	4648.745	-1000.00000

255273.299	706235.130	4808.376	-1000.00000
255273.299	706411.323	4969.127	-1000.00000
255273.299	706587.516	5130.892	-1000.00000
255273.299	706763.709	5293.578	-1000.00000
255273.299	706939.902	5457.103	-1000.00000
255273.299	707116.095	5621.394	-1000.00000
255273.299	707292.288	5786.385	-1000.00000
255273.299	707468.481	5952.018	-1000.00000
255273.299	707644.674	6118.241	-1000.00000
255273.299	707820.866	6285.008	-1000.00000
255273.299	707997.059	6452.275	-1000.00000
255273.299	708173.252	6620.005	-1000.00000
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255629.704	705354.166	3859.237	4.03638
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255629.704	705706.552	4180.718	3.95096
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255807.907	705882.745	4278.954	3.75974
255807.907	706058.937	4444.887	3.72193
255807.907	706235.130	4611.580	3.68395
255807.907	706411.323	4778.955	3.64533
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255807.907	706763.709	5115.482	3.56214

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255986.109	705354.166	3721.340	3.75271
255986.109	705530.359	3887.116	3.71656
255986.109	705706.552	4053.771	3.67892
255986.109	705882.745	4221.201	3.64051
255986.109	706058.937	4389.317	3.60136
255986.109	706235.130	4558.043	3.56164
255986.109	706411.323	4727.314	3.51980
255986.109	706587.516	4897.073	3.48018
255986.109	706763.709	5067.272	3.44090
255986.109	706939.902	5237.867	3.40715
255986.109	707116.095	5408.821	3.38003
255986.109	707292.288	5580.101	3.35854
255986.109	707468.481	5751.677	3.34257
255986.109	707644.674	5923.525	3.33145
255986.109	707820.866	6095.621	3.32373
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256164.312	705177.973	3495.962	3.69854
256164.312	705354.166	3663.464	3.65897
256164.312	705530.359	3831.745	3.61801
256164.312	705706.552	4000.707	3.57724
256164.312	705882.745	4170.268	3.53786
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256164.312	706763.709	5024.922	3.34471
256164.312	706939.902	5196.908	3.32135
256164.312	707116.095	5369.166	3.30366
256164.312	707292.288	5541.671	3.29068
256164.312	707468.481	5714.402	3.28166
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256164.312	708349.445	6580.809	3.27975
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256342.515	705001.780	3274.254	3.61971
256342.515	705177.973	3443.525	3.59498
256342.515	705354.166	3613.458	3.56672
256342.515	705530.359	3783.964	3.53447
256342.515	705706.552	3954.968	3.49723
256342.515	705882.745	4126.409	3.45303
256342.515	706058.937	4298.234	3.41090
256342.515	706235.130	4470.399	3.36797
256342.515	706411.323	4642.866	3.33039
256342.515	706587.516	4815.604	3.30108
256342.515	706763.709	4988.582	3.27895
256342.515	706939.902	5161.779	3.26252
256342.515	707116.095	5335.171	3.25096
256342.515	707292.288	5508.742	3.24471
256342.515	707468.481	5682.473	3.24207

256342.515	707644.674	5856.352	3.24227
256342.515	707820.866	6030.365	3.24500
256342.515	707997.059	6204.501	3.24981
256342.515	708173.252	6378.750	3.25647
256342.515	708349.445	6553.103	3.26481
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256520.717	705354.166	3571.653	3.46325
256520.717	705530.359	3744.063	3.43095
256520.717	705706.552	3916.809	3.39119
256520.717	705882.745	4089.850	3.35408
256520.717	706058.937	4263.149	3.31863
256520.717	706235.130	4436.676	3.29127
256520.717	706411.323	4610.405	3.27072
256520.717	706587.516	4784.314	3.25485
256520.717	706763.709	4958.385	3.24296
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256520.717	707116.095	5306.946	3.22967
256520.717	707292.288	5481.410	3.22802
256520.717	707468.481	5655.981	3.22921
256520.717	707644.674	5830.650	3.23290
256520.717	707820.866	6005.408	3.23878
256520.717	707997.059	6180.247	3.24660
256520.717	708173.252	6355.162	3.25605
256520.717	708349.445	6530.144	3.26694
256520.717	708525.638	6705.191	3.27913
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256698.920	705177.973	3364.614	3.42026
256698.920	705354.166	3538.338	3.38490
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256698.920	705706.552	3886.455	3.30667
256698.920	705882.745	4060.789	3.27232
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256698.920	706411.323	4584.645	3.21878
256698.920	706587.516	4759.496	3.21282
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256698.920	706939.902	5109.474	3.21340
256698.920	707116.095	5284.583	3.21895
256698.920	707292.288	5459.761	3.22622
256698.920	707468.481	5635.003	3.23469
256698.920	707644.674	5810.303	3.24419
256698.920	707820.866	5985.655	3.25467
256698.920	707997.059	6161.055	3.26617
256698.920	708173.252	6336.499	3.27871
256698.920	708349.445	6511.983	3.29235
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256877.123	705001.780	3163.882	3.40278
256877.123	705177.973	3338.753	3.36442
256877.123	705354.166	3513.757	3.31752
256877.123	705530.359	3688.874	3.27779
256877.123	705706.552	3864.088	3.24552
256877.123	705882.745	4039.388	3.22319
256877.123	706058.937	4214.762	3.20856
256877.123	706235.130	4390.202	3.20041
256877.123	706411.323	4565.700	3.19748
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256877.123	707116.095	5268.155	3.22142
256877.123	707292.288	5443.863	3.23368
256877.123	707468.481	5619.601	3.24759
256877.123	707644.674	5795.366	3.26295
256877.123	707820.866	5971.157	3.27954
256877.123	707997.059	6146.970	3.29639
256877.123	708173.252	6322.805	3.31301

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257055.326	705882.745	4025.769	3.20657
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257233.528	706235.130	4372.380	3.22966
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257768.136	707292.288	5451.749	3.59261
257768.136	707468.481	5627.241	3.61506
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257768.136	708349.445	6505.267	3.71823
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257946.339	705354.166	3555.297	3.61792
257946.339	705530.359	3728.464	3.61082
257946.339	705706.552	3901.901	3.61240
257946.339	705882.745	4075.575	3.61509
257946.339	706058.937	4249.456	3.61958
257946.339	706235.130	4423.520	3.62867
257946.339	706411.323	4597.746	3.64067
257946.339	706587.516	4772.117	3.65504
257946.339	706763.709	4946.617	3.67134
257946.339	706939.902	5121.232	3.68958
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257946.339	707292.288	5470.767	3.72910
257946.339	707468.481	5645.668	3.74931
257946.339	707644.674	5820.646	3.76806
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