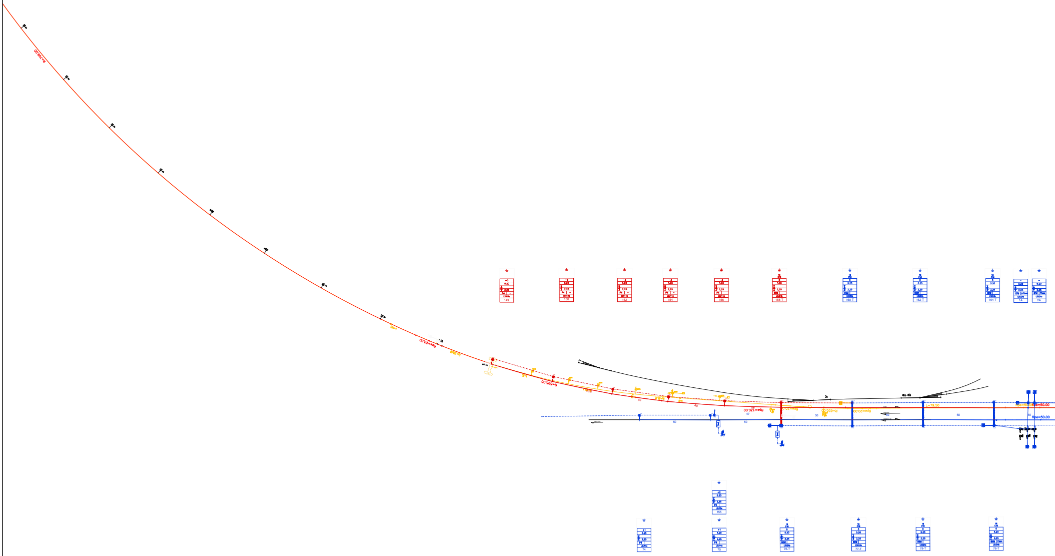
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P4
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-3
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2.25
P4
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C16
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2.25
BBM
LSU24b
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C16
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BBM
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C16
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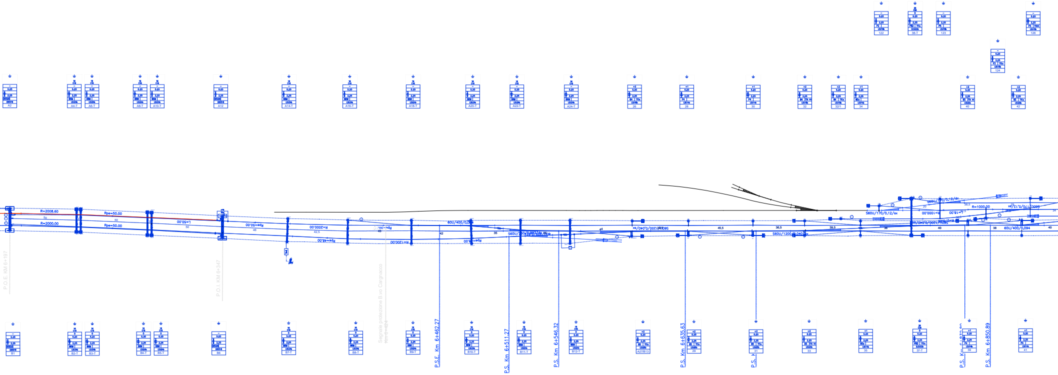
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P.O.I. KM 6+347
Segnale protezione B.vo Cargnacco
Km 6+424
P.S.E. Km 6+462.27
P.S. Km 6+511.27
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B5-T
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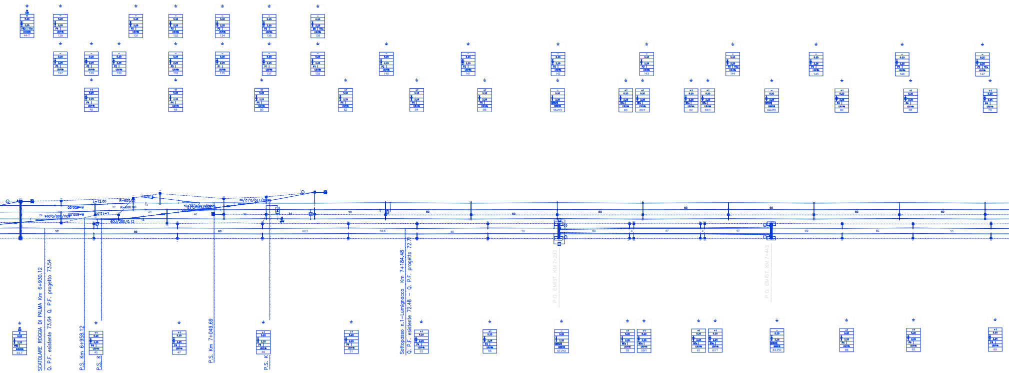
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P.S. Km 6+958.12
P.S. K
P.S. Km 7+049.69
P.S. K
Sottopasso n.1-Lumignacco Km 7+184.48
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2.25
+1
P4
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59
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60,5
48,5
50
47
3
55

TAB 1 IMPIEGO ALIMENTATORI/SEZIONATORI

Alimentatore Sezionatore	DA	A	Tipo e formazione collegamento	Lunghezza (m)
I	II	III	IV	V

TAB 2 IMPIEGO CONDUTTORI

N° COND.	DA PALO–PORTALE N°		A PALO–PORTALE N°		Filo sagomato sez. 100mm² Ø11,8		Fune portante binari di corsa 120mm² Ø14		Fune portante binari secondari 65mm² Ø10,5		Conduttori alimentatori		
											Filo	Fune	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
I	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TAB 3 IMPIEGO PALI PORTALI PENDULI

I	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TIPO	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
QUANTITA'	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]

TAB 4 IMPIEGO BLOCCHI

	[illegible] TIPO	PALO TIPO	[illegible]	[illegible]								
				[illegible] (m)	[illegible] (m)	[illegible] (m)	[illegible] (m)	[illegible] (m)	[illegible] (m)	[illegible] (m)	[illegible] (m)	V (m)
I	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TAB 5 IMPIEGO BLOCCHI TIRANTI

N° [illegible]	TIPO BLOCCHI	[illegible]						
		[illegible] (m)	[illegible] (m)	[illegible] (m)	[illegible] (m)	[illegible] (m)	[illegible] (m)	[illegible] (m)
-	-	-	-	-	-	-	-	-

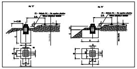
TAB 7 IMPIEGO BLOCCHI

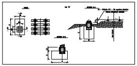
	[illegible] TIPO	PALO TIPO	[illegible]	[illegible]			
				[illegible] (m)	[illegible] (m)	[illegible] (m)	[illegible] (m)
I	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]							

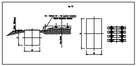
[illegible]

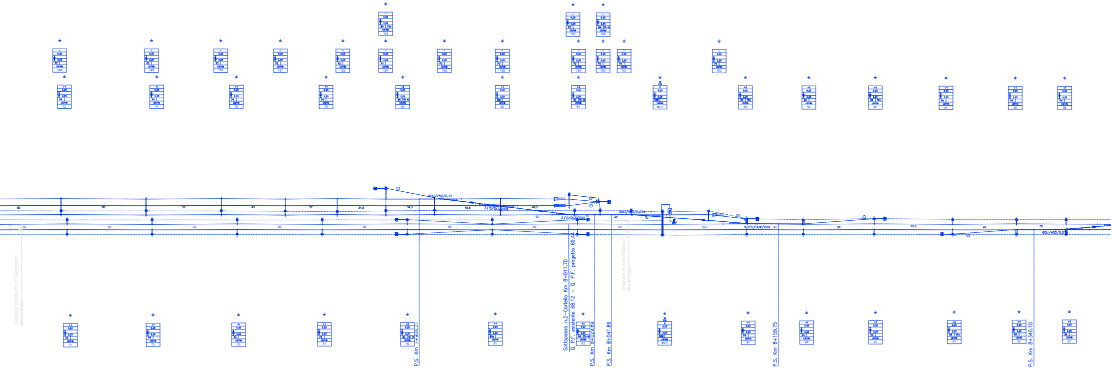
TAB 9 IMPIEGO TRAVI MEC

I	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TIPO	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
QUANTITA'	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]





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85-T
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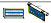
5,20
2,25
P4
LS/14b
P.S. Km 7+906.31
Sottopasso n.2–Cortello Km 8+011.70
Q. P.F. esistente 68.12 – Q. P.F. progetto 69.44
P.S. Km 8+029.89
P.S. Km 8+041.89
P.S. Km 8+159.75
P.S. Km 8+340.10
Segnale avviso B.vo Cargnacco
Km 7+826
Segnale avviso Risano
Km 8+055

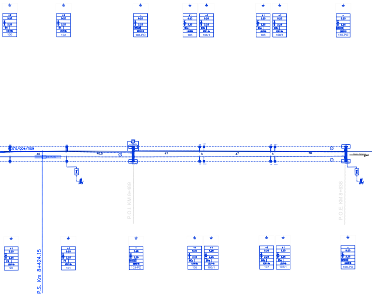
COLORE (PANTONE)	SIGNIFICATO
🟦	BLU
🟧	ARANCIO
🟨	GIALLO
🟪	FUKSIA
🟫	ORO
🟥	ROSSO
🟩	VERDE
🟫	MARRONE
🟦	AZZURRO
🟥	ROSA
🟪	VIOLA
⬜	BIANCO
⬛	NERO
🟩	PETROLIO
⬜	ARGENTO

Picchetto di terra
Note varie
Luce asse palo-asse palo [m]
Tipo trave MEC
Strapiombo [cm]
H Linea [m]
DR [m]
DR [m]
Tipo del blocco/tirante a terra
Tipo del sostegno
Numero del sostegno

TARGA	SIGNIFICATO	COSTRUTTIVO	SIMBOLOGIA ADEGUATA PER ELABORATI GRANDI IMPIANTI
	TARGA DI SICUREZZA "LIMITE INVALICABILE"		
	TARGA DI INDIVIDUAZIONE "ZONA ELETTRICA"		
	TARGA DI INDIVIDUAZIONE "ALIMENTATORE" "LINEA A MEDIA TENSIONE"		
	TARGA DI SICUREZZA "ATTENZIONE" LA FRECCIA INDICA, NELLA CAMPATA SUCCESSIVA, UNA DISTANZA < 1M. DALLA ZONA CONTIGUA		
	TARGA DI SEGNALAZIONE "ZONA EL. COMUNICAZIONI" SEGNALETICA UTILIZZATA IN PRESENZA DI COMUNICAZIONI, SEZIONAMENTI O PORTALI CON LE ADEGUATE PRESCRIZIONI.		
	CARTELLO DI AVVERTIMENTO "LINEA IN TENSIONE" "PERICOLO DI FOLGORAZIONE"		
	TARGA DI INDIVIDUAZIONE "CARTELLO MONITORE" DATI RELATIVI AL SOSTEGNO, LA PROPRIETA' E IL VALORE DELLA LINEA DI CONTATTO E LA DIREZ. CON IL POSTO TELEF. PIU' VICINO"		
	CARTELLO DI AVVERTIMENTO "ATTENZIONE AL SEZIONAMENTO"		
	CARTELLO DI AVVERTIMENTO "SEZIONAMENTO"		
	CARTELLO DI AVVERTIMENTO "ATTENZIONE ALLE DISCESE DI ALIMENTAZIONE"		

LEGENDA

GRAFICO	SIGNIFICATO	GRAFICO	SIGNIFICATO
○	PALO SI	——	CONDUTTURA ATTIVA
▭	PALO LS	------	CONDUTTURA INATTIVA
	PALO LSU con blocco e sospensione	——	BINARI NON ELETTRIFICATI
	PALO SI CON UNA MENSOLA FISSA E UNA MENSOLA MOBILE	- - - -	CONDUTTORE DI ALIMENTAZIONE AEREO 3kV cc
	TRAVE MEC SU PALI LSFP	········	CORDA DI TERRA AEREA N.2 CORDE TACSR
	PORTALE TUBOLARE A DUE BINARI	------	ATTRAVERSAMENTO AEREO N.2 CORDE CU
	PORTALE TRALICCIATO A DUE BINARI	—·—·—	TREFOLO IN ACCIAIO PER PUNTO FISSO
•	PENDULO	✕	PUNTO FISSO
	TIRANTE A TERRA CON ISOLATORE AD ANELLO	○	SEZIONATORE MANOVRA MANUALE "NORMALMENTE CHIUSO"
	ISOLAMENTO CONDUTTURE ATTIVE/INATTIVE	○	SEZIONATORE MANOVRA MANUALE "NORMALMENTE APERTO"
	ORMEGGIO FISSO	○	SEZIONATORE MANOVRA ELETTRICA "NORMALMENTE CHIUSO"
	ORMEGGIO FISSO CON ISOLAMENTO	○	SEZIONATORE MANOVRA ELETTRICA "NORMALMENTE CHIUSO" TELECOMANDATO
	R.A. DI CONDUTTURE CON FILO E FUNE FISSA (320 mmq)	RV	RELE' DI PROTEZIONE VOLTMETRICO
	R.A. DI CONDUTTURE CON DUE FILI E UNA FUNE FISSA (320 mmq)		SPAZIO D'ARIA
	R.A. DI CONDUTTURE CON DUE FILI E UNA FUNE FISSA CON SISTEMA TRC+(320 mmq CPF)		SEGNALE DI PROTEZIONE C.S. (LEGALE)
	R.A. DI CONDUTTURE CON UN FILO REGOLATO E UNA FUNE FISSA CON SISTEMA TRC+(220 mmq CPF)		SEGNALE DI PROTEZIONE C.D. (ILLEGALE)
	PICCHETTO LIMITE DI MANOVRA	—○	SEGNALE DI PARTENZA
	ISOLATORE DI SEZIONE		RIPETIZIONE SEGNALE DI PARTENZA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B4
LS/14b
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108/1
110-PO
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46,5
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3
47
3
50
P.O.I. KM 8+489
P.O.E. KM 8+638
P.S. Km 8+424,15
+1
5,20
2,25
F4
99
101
103-PO
105
105/1
107
107/1
108-PO

COMMITTENTE:

RFI RETE FERROVIARIA ITALIANA
GRUPPO FERROVIE DELLO STATO ITALIANE

CUP: J54H17000130009

PROGETTAZIONE:

ITALFERR
GRUPPO FERROVIE DELLO STATO ITALIANE

DIREZIONE TECNICA
U.O. TECNOLOGIE NORD

PROGETTO DEFINITIVO PER APPALTO

COMPLETAMENTO DEL NODO DI UDINE - PRG E ACC DEL P.M. CARGNACCO E OPERE SOSTITUTIVE DEI PL INTERFERENTI

P.M. CARGNACCO
IMPIANTO T.E.
Piano di elettrificazione circuito di terra e protezione fase 4

SCALA :
1:1000

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.
IZ09	00	D	58	P8	LC0000	007	A

Revis.	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	Autorizzato Data
A	Emissione esecutiva	R.Gheri	Giug.2019	M. Reggiani	Giug.2019	S.Lo Presti	Giug.2019	M.Gambaro Giugno.2019 GAMBARO MARIO 9652A

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