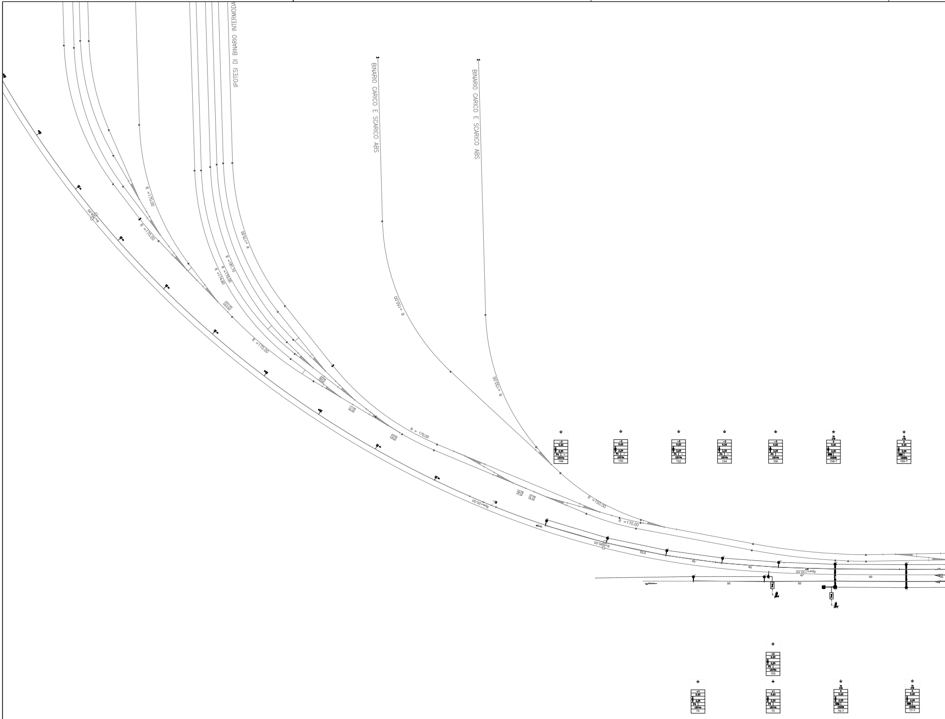
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BINARIO CARICO E SCARICO ABS
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D7
D5
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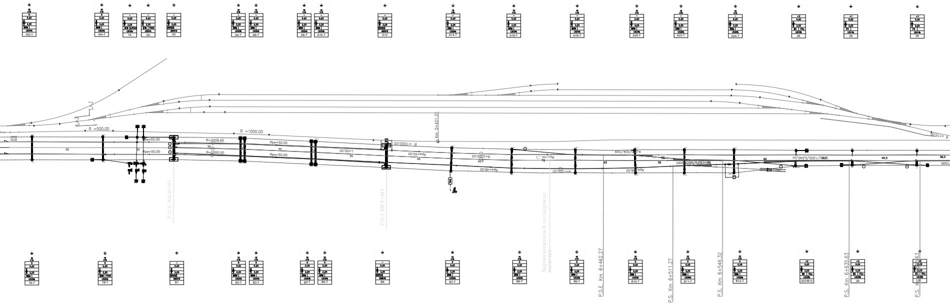
77-T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60U/400/0,074
42
35
44
45,5
38,5
S60U/1200/0,040/sx
R =170,00
P.O.E. KM 6+197
P.O.I. KM 6+347
Segnale protezione B.vo Cargnacco
Km 6+424
P.S.E. Km 6+462.27
P.S. Km 6+511.27
P.S. Km 6+546.32
P.S. Km 6+635.63
P.S. Km 6+685.63
78-T
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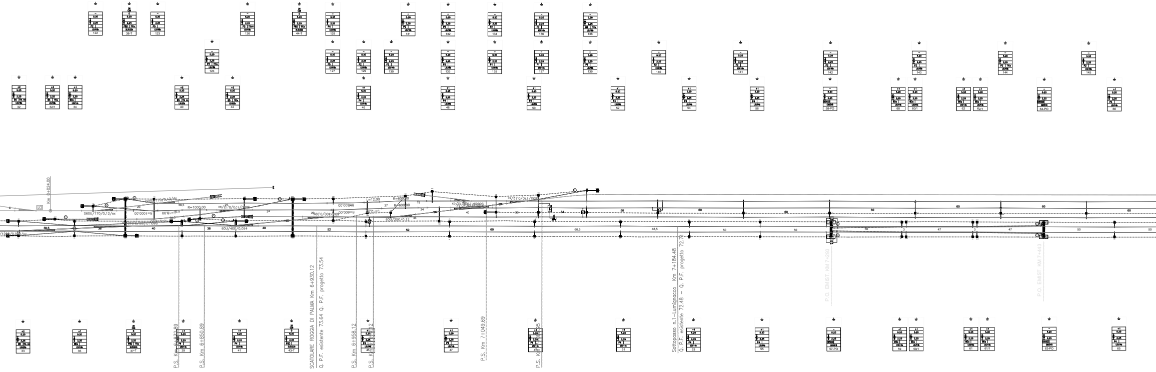

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48
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54
56
58-PO
60
60/1
62
62/1
64-PO
66
P.S. Km 6+832,89
P.S. Km 6+850,89
SCATOLARE ROGGIA DI PALMA Km 6+930,12
Q. P.F. esistente 73.64 Q. P.F. progetto 73.54
P.S. Km 6+958,12
P.S. Km 7+049,69
Sottopasso n.1–Lumignacco Km 7+184,48
Q. P.F. esistente 72.48 – Q. P.F. progetto 72.71
P.O. EMIST. KM 7+293
P.O. EMIST. KM 7+443
33
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43-T
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47
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51
53
55
57-PO
59
59/1
61
61/1
63-PO
65

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		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2-2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3-3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4-4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5-5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[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]	[illegible]	[illegible]
TIPO	[illegible]	[illegible]	[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]	[illegible]	[illegible]

TAB 4 IMPIEGO BLOCCHI

	[illegible]	PALO TIPO	[illegible]	[illegible]								
				A (m)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	V (m³)
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]
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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]
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TAB 5 IMPIEGO BLOCCHI TIRANTI

N° PALO	TIPO BLOCCO	[illegible]						
		A (m)	B (m)	C (m)	[illegible]	[illegible]	[illegible]	V (m³)
[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]
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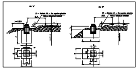
TAB 7 IMPIEGO BLOCCHI

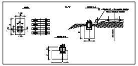
	[illegible]	PALO TIPO	[illegible]	[illegible]			
				A (m)	B (m)	C (m)	V (m³)
I	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]							

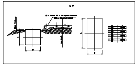
[illegible]

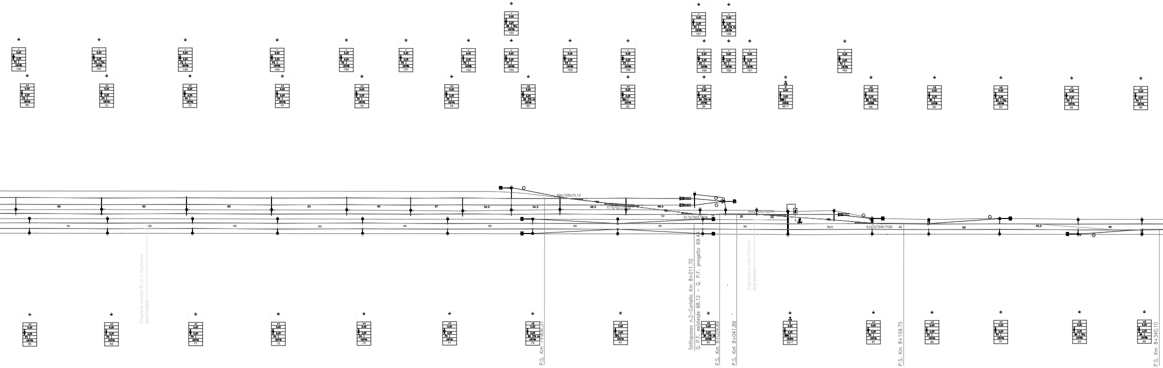
TAB 9 IMPIEGO TRAVI MEC

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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5,20
2,25
P4
B4
TTa 44
LS/14b
Segnale avviso B.vo Cargnacco
Km 7+626
P.S. Km 7+906.51
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
Segnale avviso Risano
Km 8+055
P.S. Km 8+159.75
P.S. Km 8+340.10

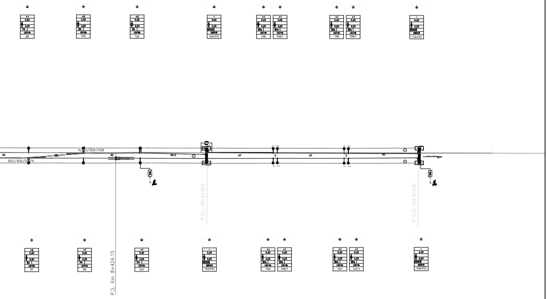
COLORE (PANTONE)	SIGNIFICATO
🟦	BLU
🟧	ARANCIO
🟨	GIALLO
🟪	FUKSIA
🟫	ORO
🟥	ROSSO
🟩	VERDE
🟫	MARRONE
🟦	AZZURRO
🟥	ROSA
🟪	VIOLA
⬜	BIANCO
⬛	NERO
🟩	PETROLIO
⬜	ARGENTO

: Picchetto di terra
: Note varie
: Luce asse palo-asse palo [m]
: Tipo trave MEC
: Strapiombo [cm]
: H Linea [m]
: OR [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 M	───	CONDUTTURA ATTIVA
▭	PALO LS	-------	CONDUTTURA INATTIVA
┬	PALO LSU con blocco e sospensione	───	BINARI NON ELETTRIFICATI
○─	PALO M CON UNA MENSOLA FISSA E UNA MENSOLA MOBILE	- - - -	CONDUTTORE DI ALIMENTAZIONE AEREO 3kV ==
▬	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 (220 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


+1
5.20
2,25
LSU14b
98
+2
100
102
104-PO
106
106/1
108
108/1
110-PO
35
60U/400/0,074
60U/400/0,074
40
46,5
47
3
47
3
50
P.O.I. KM 8+489
P.O.E. KM 8+638
P.S. Km 8+424.15
97
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 finale

SCALA :
1:1000

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.
IZ09	00	D	58	P8	LC0000	002	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

File: IZ0900D58P8LC0000002A.DWG

n. Elab.: --