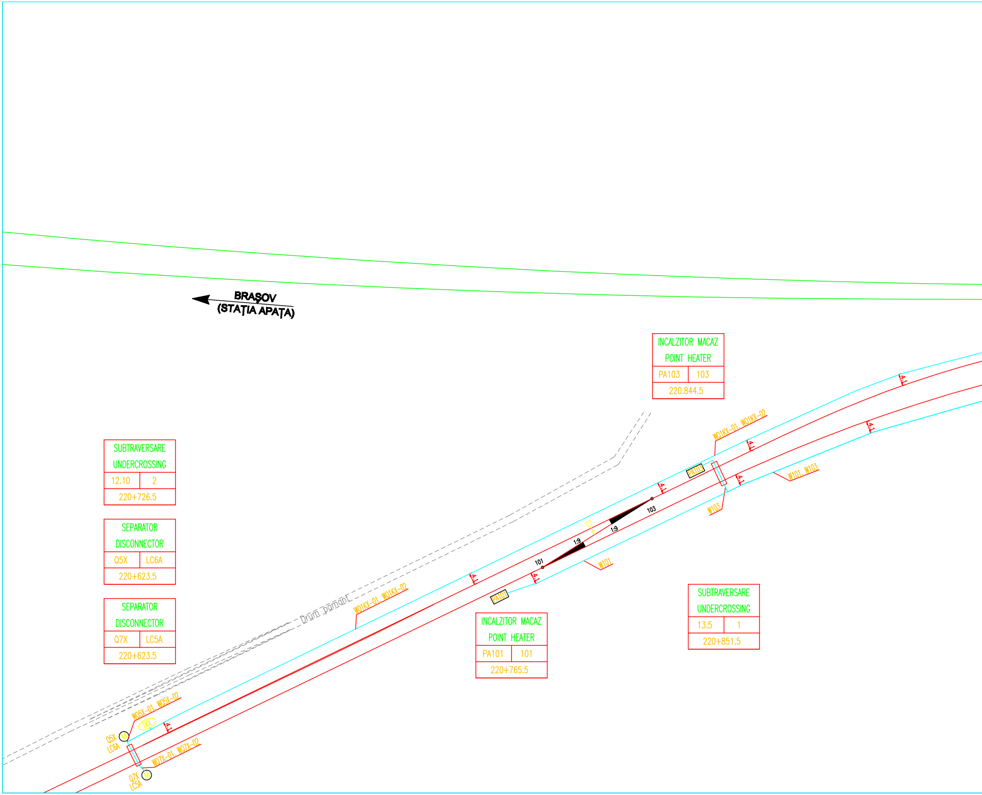
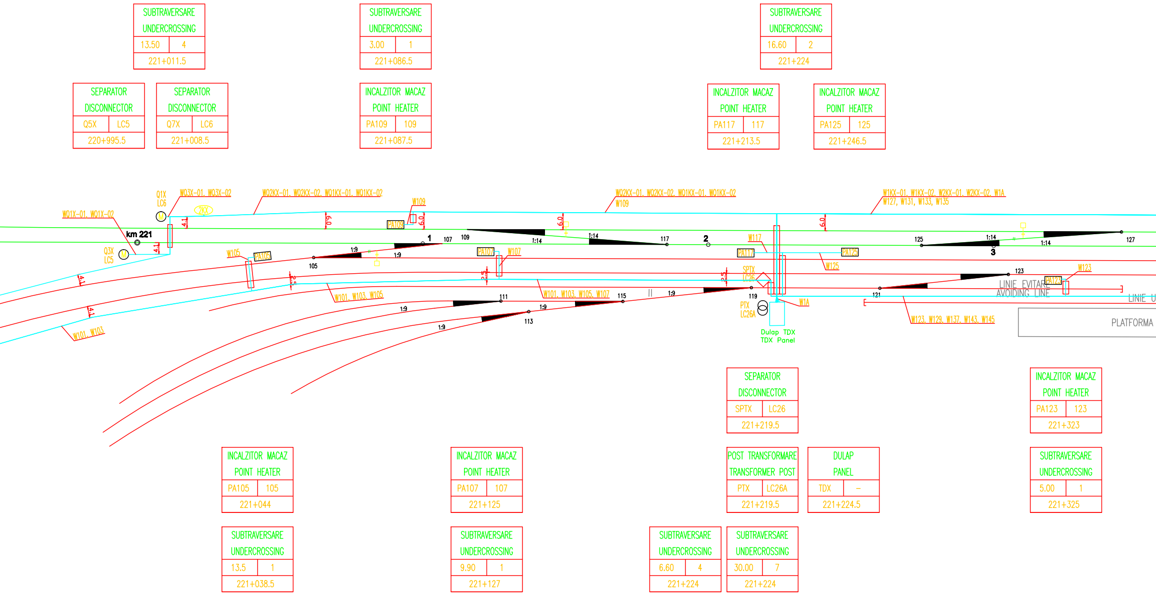

BRAȘOV
(STAȚIA APAȚA)
INCALZITOR MACAZ
POINT HEATER
PA103
103
220.844.5
SUBTRAVERSARE
UNDERCROSSING
12.10
2
220+726.5
SEPARATOR
DISCONNECTOR
Q5X
LC6A
220+623.5
SEPARATOR
DISCONNECTOR
Q7X
LC5A
220+623.5
INCALZITOR MACAZ
POINT HEATER
PA101
101
220+765.5
SUBTRAVERSARE
UNDERCROSSING
13.5
1
220+851.5
Drum pamant
WQ1KX-01, WQ1KX-02
WQ1KX-01, WQ1KX-02
WQ5X-01, WQ5X-02
WQ7X-01, WQ7X-02
1KX
Q5X
LC6A
M
Q7X
LC5A
M
4.1
PA101
PA103
101
103
1:9
1:9
W101
W103
W101, W103


SUBTRAVERSARE
UNDERCROSSING
13.50 | 4
221+011.5
SUBTRAVERSARE
UNDERCROSSING
3.00 | 1
221+086.5
SUBTRAVERSARE
UNDERCROSSING
16.60 | 2
221+224
SEPARATOR
DISCONNECTOR
Q5X | LC5
220+995.5
SEPARATOR
DISCONNECTOR
Q7X | LC6
221+008.5
INCALZITOR MACAZ
POINT HEATER
PA109 | 109
221+087.5
INCALZITOR MACAZ
POINT HEATER
PA117 | 117
221+213.5
INCALZITOR MACAZ
POINT HEATER
PA125 | 125
221+246.5
WQ1X-01, WQ1X-02
Q1X
LC6
M
WQ3X-01, WQ3X-02
2KX
WQ2KX-01, WQ2KX-02, WQ1KX-01, WQ1KX-02
W109
PA109
6.0
6.0
4.1
4.1
4.1
4.1
2.5
2.5
2.5
km 221
Q3X
LC5
M
W105
PA105
105
1:9
1:9
1
107
109
1:14
1:14
117
2
WQ2KX-01, WQ2KX-02, WQ1KX-01, WQ1KX-02
W109
6.0
PA107
W107
W101, W103, W105
W101, W103
111
1:9
113
1:9
1:9
W101, W103, W105, W107
115
1:9
119
W117
PA117
SPTX
LC26
PTX
LC26A
Dulap TDX
TDX Panel
W1A
W1KX-01, W1KX-02, W2KX-01, W2KX-02, W1A
W127, W131, W133, W135
6.0
PA125
W125
125
1:14
3
1:14
127
123
121
LINIE EVITARE
AVOIDING LINE
PA123
W123
W123, W129, W137, W143, W145
LINIE U
PLATFORMA
SEPARATOR
DISCONNECTOR
SPTX | LC26
221+219.5
INCALZITOR MACAZ
POINT HEATER
PA123 | 123
221+323
INCALZITOR MACAZ
POINT HEATER
PA105 | 105
221+044
INCALZITOR MACAZ
POINT HEATER
PA107 | 107
221+125
POST TRANSFORMARE
TRANSFORMER POST
PTX | LC26A
221+219.5
DULAP
PANEL
TDX | –
221+224.5
SUBTRAVERSARE
UNDERCROSSING
5.00 | 1
221+325
SUBTRAVERSARE
UNDERCROSSING
13.5 | 1
221+038.5
SUBTRAVERSARE
UNDERCROSSING
9.90 | 1
221+127
SUBTRAVERSARE
UNDERCROSSING
6.60 | 4
221+224
SUBTRAVERSARE
UNDERCROSSING
30.00 | 7
221+224

SUBTRAVERSARE UNDERCROSSING	
3.00	1
221+372	

SUBTRAVERSARE UNDERCROSSING	
3.00	1
221+404.5	

SUBTRAVERSARE UNDERCROSSING	
3.00	1
221+535	

POST TRANSFORMARE TRANSFORMER POST	
TT2	LC76
221+675.5	

INCALZITOR MACAZ POINT HEATER	
PA127	127
221+373	

INCALZITOR MACAZ POINT HEATER	
PA131	131
221+405.5	

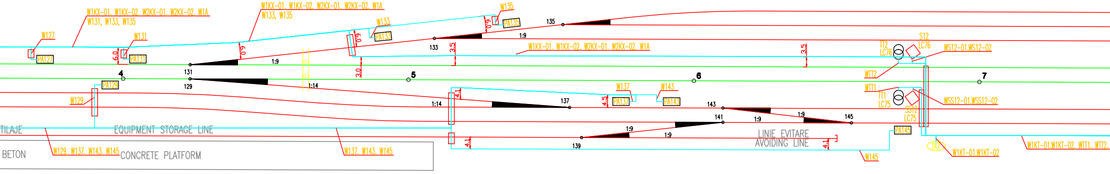
SUBTRAVERSARE UNDERCROSSING	
7.50	5
221+480	

INCALZITOR MACAZ POINT HEATER	
PA133	133
221+491	

INCALZITOR MACAZ POINT HEATER	
PA135	135
221+536	

SEPARATOR DISCONNECTOR	
S12	LC76
221+675.5	

SUBTRAVERSARE UNDERCROSSING	
27.70	8
221+736	



W1KX-01, W1KX-02, W2KX-01, W2KX-02, W1A
W131, W133, W135
W1KX-01, W1KX-02, W2KX-01, W2KX-02, W1A
W133, W135
W135
PA135
W133
PA133
W127
PA127
W131
PA131
6.0
6.0
6.0
6.0
135
1:9
133
3.5
3.5
3.0
131
1:9
129
1:14
4
5
6
7
W1KX-01, W1KX-02, W2KX-01, W2KX-02, W1A
TT2
LC76
S12
LC76
WS12-01,WS12-02
WTT2
WTT1
TT1
LC75
SS12
LC75
WSS12-01,WSS12-02
PA129
W129
1:14
4.1
137
W137
4.5
PA137
W143
PA143
143
1:9
141
1:9
145
1:9
1:9
139
4.1
4.1
LINIE EVITARE
AVOIDING LINE
PA145
W145
TK1
W1KT-01,W1KT-02
W1KT-01,W1KT-02, WTT1, WTT2,
TILAJE
EQUIPMENT STORAGE LINE
BETON
W129, W137, W143, W145
CONCRETE PLATFORM
W137, W143, W145

INCALZITOR MACAZ POINT HEATER	
PA129	129
221+395.5	

INCALZITOR MACAZ POINT HEATER	
PA137	137
221+576.5	

INCALZITOR MACAZ POINT HEATER	
PA143	143
221+592	

INCALZITOR MACAZ POINT HEATER	
PA145	145
221+673	

SEPARATOR DISCONNECTOR	
SS12	LC75
221+675.5	

SUBTRAVERSARE UNDERCROSSING	
11.60	1
221+390	

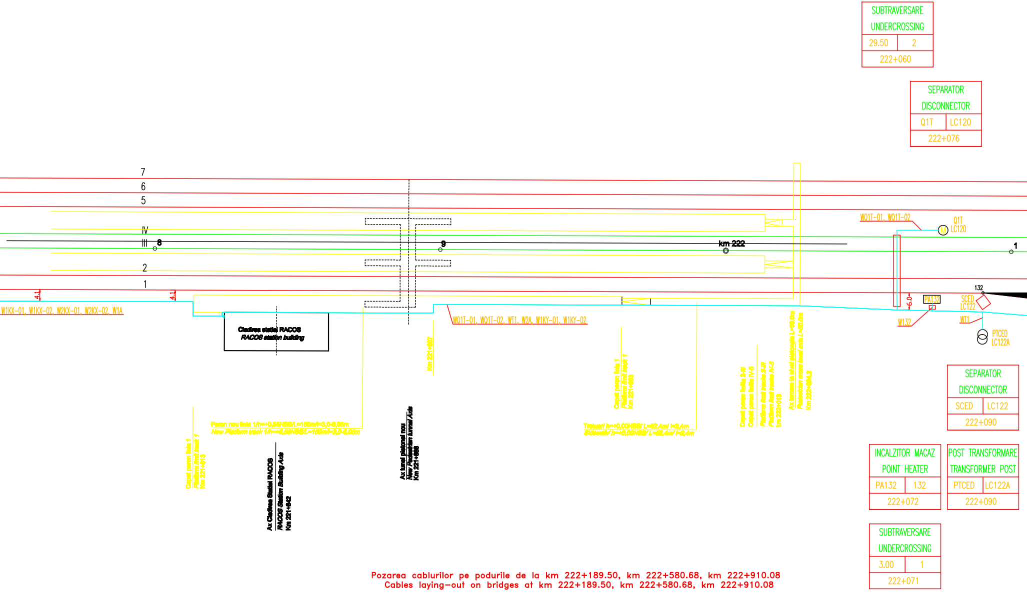
SUBTRAVERSARE UNDERCROSSING	
14.00	2
221+515	

POST TRANSFORMARE TRANSFORMER POST	
TT1	LC75
221+675.5	

SUBTRAVERSARE UNDERCROSSING	
6.60	1
221+515	

SUBTRAVERSARE UNDERCROSSING	
14.60	3
221+736	

Statia Racos/ Racos Station


7
6
5
IV
III
2
1
8
9
km 222
1
132
4.1
4.1
W1KX-01, W1KX-02, W2KX-01, W2KX-02, W1A
WQ1T-01, WQ1T-02, WT1, W2A, W1KY-01, W1KY-02
WQ1T-01, WQ1T-02
Q1T
LC120
M
PA132
6.0
W132
SCED
LC122
WT1
PTCED
LC122A
Cladirea statiei RACOS
RACOS station building
Km 221+897
Capat peron linia 1
Platform limit track 1
Km 221+813
Peron nou linia 1/h=+0,55NSS/L=150m/l=3,0-6,05m
New Platform track 1/h=+0,55NSS/L=150m/l=3,0-6,05m
Ax Cladirea Statiei RACOS
RACOS Station Building Axis
Km 221+842
Ax tunel pietonal nou
New Pedestrian tunnel Axis
Km 221+888
Capat peron linia 1
Platform limit track 1
Km 221+963
Trotuar/ h=+0,00NSS/ L=82,4m/ l=2,4m
Sidewalk/ h=+0,00NSS/ L=82,4m/ l=2,4m
Capat peron liniile 2-III
Capat peron liniile IV-5
Platform limit tracks 2-III
Platform limit tracks IV-5
km 222+013
Ax traversare la nivel pietonala L=50,0m
Pedestrian cross level axis L=50,0m
Km 222+034,2

SUBTRAVERSARE UNDERCROSSING	
29.50	2
222+060	

SEPARATOR DISCONNECTOR	
Q1T	LC120
222+076	

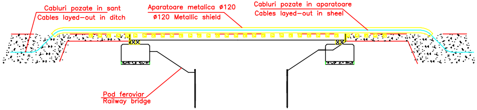
SEPARATOR DISCONNECTOR	
SCED	LC122
222+090	

INCALZITOR MACAZ POINT HEATER	
PA132	132
222+072	

POST TRANSFORMARE TRANSFORMER POST	
PTCED	LC122A
222+090	

SUBTRAVERSARE UNDERCROSSING	
3.00	1
222+071	

Pozarea cablurilor pe podurile de la km 222+189.50, km 222+580.68, km 222+910.08
Cables laying-out on bridges at km 222+189.50, km 222+580.68, km 222+910.08


Cabluri pozate in sant
Cables layed-out in ditch
Aparatoare metalica ø120
ø120 Metallic shield
Cabluri pozate in aparatoare
Cables layed-out in sheel
Pod feroviar
Railway bridge

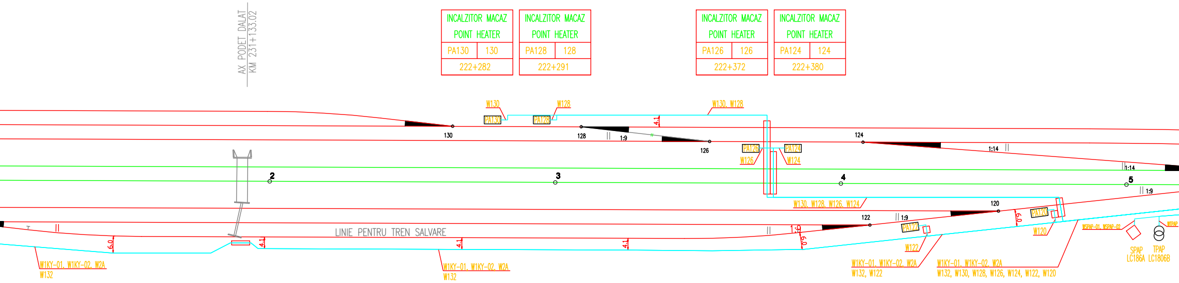
SUBTRAVERSARE	
UNDERCROSSING	
29.60	2
222+074	

INCALZITOR MACAZ	
POINT HEATER	
PA130	130
222+282	

INCALZITOR MACAZ	
POINT HEATER	
PA128	128
222+291	

INCALZITOR MACAZ	
POINT HEATER	
PA126	126
222+372	

INCALZITOR MACAZ	
POINT HEATER	
PA124	124
222+380	


AX PODET DALAT
KM 231+133.02
W130
W128
PA130
PA128
W130, W128
4.1
130
128
1:9
126
124
1:14
PA126
PA124
W126
W124
1:14
2
3
4
5
1:9
W130, W128, W126, W124
120
122
1:9
6.0
PA120
PA122
W120
W122
LINIE PENTRU TREN SALVARE
1:9
6.0
6.0
4.1
4.1
4.1
WSPAP-01, WSPAP-02
WTPAP
SPAP
LC186A
TPAP
LC1806B
W1KY-01, W1KY-02, W2A
W132
W1KY-01, W1KY-02, W2A
W132
W1KY-01, W1KY-02, W2A
W132, W122
W1KY-01, W1KY-02, W2A
W132, W130, W128, W126, W124, W122, W120

INCALZITOR MACAZ	
POINT HEATER	
PA120	120
222+473	

SEPARATOR	
DISCONNECTOR	
SPAP	LC186A
222+506	

INCALZITOR MACAZ	
POINT HEATER	
PA122	122
222+428	

SUBTRAVERSARE	
UNDERCROSSING	
3.00	1
222+474	

POST TRANSFORMARE	
TRANSFORMER POST	
TPAP	LC186B
222+506	

SUBTRAVERSARE	
UNDERCROSSING	
17.00	2
222+060	

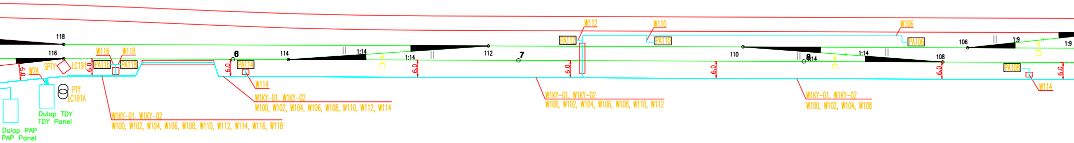
SUBTRAVERSARE	
UNDERCROSSING	
10.00	4
222+474	

DULAP	
PANEL	
PAP	–
222+509	

SUBTRAVERSARE UNDERCROSSING	
3.00	2
222+559.5	

INCALZITOR MACAZ POINT HEATER	
PA116	116
222+559	

INCALZITOR MACAZ POINT HEATER	
PA118	118
222+560	


118
116
W2A
SPTY
LC191
6.0
W116
W118
PA116
PA118
PTY
LC191A
Dulap TDY
TDY Panel
Dulap PAP
PAP Panel
W1KY-01, W1KY-02
W100, W102, W104, W106, W108, W110, W112, W114, W116, W118
6
114
PA114
W114
W1KY-01, W1KY-02
W100, W102, W104, W106, W108, W110, W112, W114
1:14
1:14
112
7
W112
PA112
W1KY-01, W1KY-02
W100, W102, W104, W106, W108, W110, W112
W110
PA110
110
8
1:14
1:14
108
W1KY-01, W1KY-02
W100, W102, W104, W108
W106
PA106
106
1:9
1:9
PA108
W114

SEPARATOR DISCONNECTOR	
SPTY	LC191
222+540.5	

INCALZITOR MACAZ POINT HEATER	
PA112	112
222+717.5	

INCALZITOR MACAZ POINT HEATER	
PA110	110
222+750.5	

INCALZITOR MACAZ POINT HEATER	
PA106	106
222+839.5	

INCALZITOR MACAZ POINT HEATER	
PA108	108
222+876.5	

POST TRANSFORMARE TRANSFORMER POST	
PTY	LC191A
222+540.5	

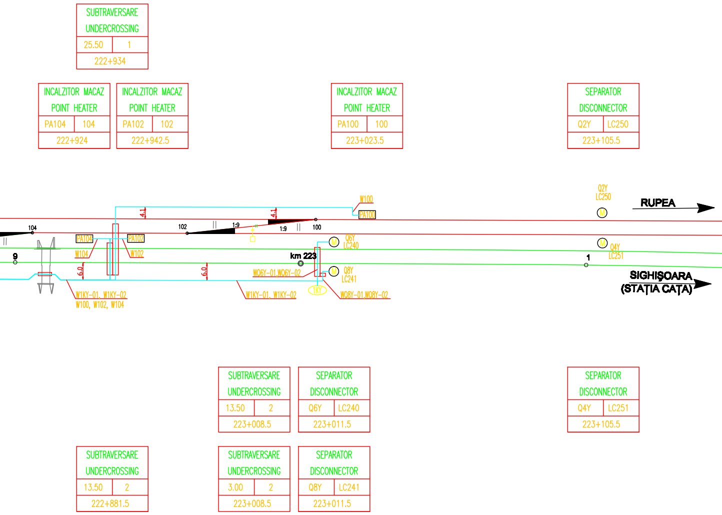
INCALZITOR MACAZ POINT HEATER	
PA114	114
222+605	

SUBTRAVERSARE UNDERCROSSING	
13.50	3
222+722.5	

SUBTRAVERSARE UNDERCROSSING	
3.00	1
222+881.5	

DULAP PANEL	
TDY	-
222+537	

SUBTRAVERSARE UNDERCROSSING	
3.00	1
222+606	


SUBTRAVERSARE
UNDERCROSSING
25.50
1
222+934
INCALZITOR MACAZ
POINT HEATER
PA104
104
222+924
INCALZITOR MACAZ
POINT HEATER
PA102
102
222+942.5
INCALZITOR MACAZ
POINT HEATER
PA100
100
223+023.5
SEPARATOR
DISCONNECTOR
Q2Y
LC250
223+105.5
Q2Y
LC250
M
RUPEA
W100
PA100
4.1
4.1
104
102
1:9
1:9
100
PA104
PA102
W104
W102
Q6Y
LC240
M
Q4Y
LC251
M
9
km 223
1
6.0
6.0
WQ6Y-01,WQ6Y-02
Q8Y
LC241
M
1KY
W1KY-01, W1KY-02
W100, W102, W104
W1KY-01, W1KY-02
WQ8Y-01,WQ8Y-02
SIGHIȘOARA
(STAȚIA CAȚA)
SUBTRAVERSARE
UNDERCROSSING
13.50
2
223+008.5
SEPARATOR
DISCONNECTOR
Q6Y
LC240
223+011.5
SEPARATOR
DISCONNECTOR
Q4Y
LC251
223+105.5
SUBTRAVERSARE
UNDERCROSSING
13.50
2
222+881.5
SUBTRAVERSARE
UNDERCROSSING
3.00
2
223+008.5
SEPARATOR
DISCONNECTOR
Q8Y
LC241
223+011.5

DISCONNECTORS

Nr. No	De la From	La To	Tip Type
1	Tablou CDS DRC Panel	2KX	CYAbY 2x35 mm^2
2	Tablou CDS DRC Panel	2KX	CSYAbY 21x1,5 mm^2
3	Tablou CDS DRC Panel	1KX	CYABY 2x50 mm^2
4	Tablou CDS DRC Panel	1KX	CSYAbY 21x1,5 mm^2
5	2KX	Q1X	CYAbY 2x6 mm^2
6	2KX	Q1X	CSYAbY 12x1,5 mm^2
7	2KX	Q3X	CYAbY 2x6 mm^2
8	2KX	Q3X	CSYAbY 12x1,5 mm^2
9	1KX	Q5X	CYAbY 2x6 mm^2
10	1KX	Q5X	CSYAbY 12x1,5 mm^2
11	1KX	Q7X	CYAbY 2x6 mm^2
12	1KX	Q7X	CSYAbY 12x1,5 mm^2
13	PT-CED	tablou CED/IS panel	CYAbY 3x120 mm^2
14	Tablou CDS DRC Panel	Q1T	CSYAbY 12x1,5 mm^2
15	Tablou CDS DRC Panel	Q1T	CYAbY 2x10 mm^2
16	Tablou CDS DRC Panel	TT1	CSYAbY 4x4 mm^2
17	Tablou CDS DRC Panel	TT2	CYAbY 4x4 mm^2
18	Tablou CDS DRC Panel	1KT	CSYAbY 21x1,5 mm^2
19	Tablou CDS DRC Panel	1KT	CYAbY 2x10 mm^2
20	1KT	SS12	CYAbY 2x6 mm^2
21	1KT	SS12	CSYAbY 12x1,5 mm^2
22	1KT	S12	CYAbY 2x6 mm^2
23	1KT	S12	CSYAbY 12x1,5 mm^2
24	Tablou CDS DRC Panel	1KY	CYAbY 2x50 mm^2
25	Tablou CDS DRC Panel	1KY	CSYAbY 21x1,5 mm^2
26	1KY	Q8Y	CYABY 2x6mm^2
27	1KY	Q8Y	CSYAbY 12x1,5 mm^2
28	1KY	Q6Y	CYAbY 2x6 mm^2
29	1KY	Q6Y	CSYAbY 12x1,5 mm^2
30	TT1	BJ1	CYAbY 1x50 mm^2
31	TT2	BJ2	CYAbY 1x50 mm^2

REMOTE CONTROL

Lungime Length(m)	ID	Descriere Description
926	W2KX-01	alimentare motor şi încălzire motor power-supply and heating
926	W2KX-02	comandă şi semnalizare / comand and signaling
1373	W1KX-01	alimentare motor şi încălzire motor power-supply and heating
1373	W1KX-02	comandă şi semnalizare / comand and signaling
20	WQ1X-01	alimentare şi încălzire Q1X power-supply and heating for disconnector Q1X
20	WQ1X-02	comandă şi semnalizare separator Q1X comand and signaling for disconnector Q1X
50	WQ3X-01	alimentare şi încălzire Q3X power-supply and heating for disconnector Q3X
50	WQ3X-02	comandă şi semnalizare separator Q3X comand and signaling for disconnector Q3X
20	WQ5X-01	alimentare şi încălzire Q5X power-supply and heating for disconnector Q5X
20	WQ5X-02	comandă şi semnalizare separator Q5X comand and signaling for disconnector Q5X
30	WQ7X-01	alimentare şi încălzire Q7X power-supply and heating for disconnector Q7X
30	WQ7X-02	comandă şi semnalizare separator Q7X comand and signaling for disconnector Q7X
350	WT1	alimentare tablou distributie rezerva CED power supply distribution panel IS
312	WQ1T-02	comandă şi semnalizare separator Q1T comand and signaling for disconnector Q1T
312	WQ1T-01	alimentare şi încălzire Q1T power-supply and heating for disconnector Q1T
198	WTT1	comandă şi semnalizare separator comand and signaling for disconnector
209	WTT2	alimentare şi încălzire power-supply and heating for disconnector
162	W1KT-02	comandă şi semnalizare separator comand and signaling for disconnector
162	W1KT-01	alimentare şi încălzire power-supply and heating for disconnector
40	WSS12-01	alimentare motor şi încălzire motor power-supply and heating
40	WSS12-02	comandă şi semnalizare / comand and signaling
50	WS12-01	alimentare motor şi încălzire motor power-supply and heating
50	WS12-02	comandă şi semnalizare / comand and signaling
1319	W1KY-01	alimentare motor şi încălzire motor power-supply and heating
1319	W1KY-02	comandă şi semnalizare / comand and signaling
20	WQ8Y-01	alimentare şi încălzire Q8Y power-supply and heating for disconnector Q8Y
20	WQ8Y-02	comandă şi semnalizare separator Q8Y comand and signaling for disconnector Q8Y
30	WQ6Y-01	alimentare şi încălzire Q6Y power-supply and heating for disconnector Q6Y
30	WQ6Y-02	comandă şi semnalizare separator Q6Y comand and signaling for disconnector Q6Y
30	WBJ1	Circuit retur/retur circuit
30	WBJ2	Circuit retur/retur circuit

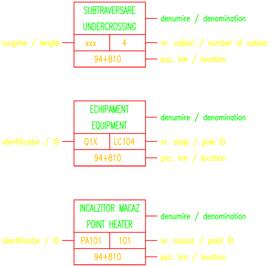
CABLE DESCRIPTION

Nr. No	De la From	La To	Tip Type	ID	Lungime Length [m]	Descriere Description
1	Panoul DRC	TDX	CSYAbY 12x1,5 mm^2	W1A	740	comandă şi semnalizare / comand and signaling
2	PTx	TDX	CYAbY 3x185 mm^2	WTDX	150	alimentare tablou distributie TDX power-supply for distribution box TDX
3	TDX	macaz / point 101	CYAbY 2x35 mm^2	W101	507	alimentare macaz / power-supply for point 101
4	TDX	macaz / point 103	CYAbY 2x25 mm^2	W103	432	alimentare macaz / power-supply for point 103
5	TDX	macaz / point 105	CYAbY 2x16 mm^2	W105	226	alimentare macaz / power-supply for point 105
6	TDX	macaz / point 107	CYAbY 2x16 mm^2	W107	128	alimentare macaz / power-supply for point 107
7	TDX	macaz / point 109	CYAbY 2x25mm^2	W109	182	alimentare macaz / power-supply for point 109
8	TDX	macaz / point 117	CYAbY 2x25 mm^2	W117	32	alimentare macaz / power-supply for point 117
9	TDX	macaz / point 123	CYAbY 2x16 mm^2	W123	122	alimentare macaz / power-supply for point 123
10	TDX	macaz / point 125	CYAbY 2x25 mm^2	W125	45	alimentare macaz / power-supply for point 125
11	TDX	macaz / point 127	CYAbY 2x25 mm^2	W127	199	alimentare macaz / power-supply for point 127
12	TDX	macaz / point 129	CYAbY 2x25 mm^2	W129	205	alimentare macaz / power-supply for point 129
13	TDX	macaz / point 131	CYAbY 2x16 mm^2	W131	234	alimentare macaz / power-supply for point 131
14	TDX	macaz / point 133	CYAbY 2x25 mm^2	W133	328	alimentare macaz / power-supply for point 133
15	TDX	macaz / point 135	CYAbY 2x25 mm^2	W135	378	alimentare macaz / power-supply for point 135
16	TDX	macaz / point 137	CYAbY 2x50 mm^2	W137	414	alimentare macaz / power-supply for point 137
17	TDX	macaz / point 143	CYAbY 2x25 mm^2	W143	422	alimentare macaz / power-supply for point 143
18	TDX	macaz / point 145	CYAbY 2x35 mm^2	W145	508	alimentare macaz / power-supply for point 145
19	macaz / point 101	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 101
20	macaz / point 101	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 101
21	macaz / point 103	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 103
22	macaz / point 103	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 103
23	macaz / point 105	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 105
24	macaz / point 105	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 105
25	macaz / point 107	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 107
26	macaz / point 107	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 107
27	macaz / point 109	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 109
28	macaz / point 109	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 109
29	macaz / point 117	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 117
30	macaz / point 117	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 117
31	macaz / point 123	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 123
32	macaz / point 123	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 123
33	macaz / point 125	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 125
34	macaz / point 125	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 125
35	macaz / point 127	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 127
36	macaz / point 127	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 127
37	macaz / point 129	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 129
38	macaz / point 129	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 129
39	macaz / point 131	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 131
40	macaz / point 131	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 131
41	macaz / point 133	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 133
42	macaz / point 133	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 133
43	macaz / point 135	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 135
44	macaz / point 135	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 135
45	macaz / point 137	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 137
46	macaz / point 137	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 137
47	macaz / point 143	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 143
48	macaz / point 143	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 143
49	macaz / point 145	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 145
50	macaz / point 145	UT	MCGI 2X4		10	alimentare macaz / power-supply for point 145
51	PTX	BJ1	CYABY 1X50 mm2		100	circuit de retur/retur circuit

POINT HEATERS

Nr. No	De la From	La To	Tip Type	ID
1	Panoul DRC	TDY	CSYAbY 12x1,5 mm^2	W2A
2	PTy	TDY	CYAbY 3x240 mm^2	WTDY
3	TDY	macaz / point 100	CYAbY 2x35 mm^2	W100
4	TDY	macaz / point 102	CYAbY 2x35 mm^2	W102
5	TDY	macaz / point 104	CYAbY 2x35 mm^2	W104
6	TDY	macaz / point 106	CYAbY 2x25 mm^2	W106
7	TDY	macaz / point 108	CYAbY 2x35 mm^2	W108
8	TDY	macaz / point 110	CYAbY 2x35 mm^2	W110
9	TDY	macaz / point 112	CYAbY 2x35 mm^2	W112
10	TDY	macaz / point 114	CYAbY 2x25 mm^2	W114
11	TDY	macaz / point 116	CYAbY 2x16 mm^2	W116
12	TDY	macaz / point 118	CYAbY 2x25 mm^2	W118
13	TDY	macaz / point 120	CYAbY 2x16 mm^2	W120
14	TDY	macaz / point 122	CYAbY 2x16 mm^2	W122
15	TDY	macaz / point 124	CYAbY 2x25mm^2	W124
16	TDY	macaz / point 126	CYAbY 2x16 mm^2	W126
17	TDY	macaz / point 128	CYAbY 2x25 mm^2	W128
18	TDY	macaz / point 130	CYAbY 2x25 mm^2	W130
19	TDY	macaz / point 132	CYAbY 2x35 mm^2	W132
20	macaz / point 100	UT	MCGI 2X4	
21	macaz / point 100	UT	MCGI 2X4	
22	macaz / point 102	UT	MCGI 2X4	
23	macaz / point 102	UT	MCGI 2X4	
24	macaz / point 104	UT	MCGI 2X4	
25	macaz / point 104	UT	MCGI 2X4	
26	macaz / point 106	UT	MCGI 2X4	
27	macaz / point 106	UT	MCGI 2X4	
28	macaz / point 108	UT	MCGI 2X4	
29	macaz / point 108	UT	MCGI 2X4	
30	macaz / point 110	UT	MCGI 2X4	
31	macaz / point 110	UT	MCGI 2X4	
32	macaz / point 112	UT	MCGI 2X4	
33	macaz / point 112	UT	MCGI 2X4	
34	macaz / point 114	UT	MCGI 2X4	
35	macaz / point 114	UT	MCGI 2X4	
36	macaz / point 116	UT	MCGI 2X4	
37	macaz / point 116	UT	MCGI 2X4	
38	macaz / point 118	UT	MCGI 2X4	
39	macaz / point 118	UT	MCGI 2X4	
40	macaz / point 120	UT	MCGI 2X4	
41	macaz / point 120	UT	MCGI 2X4	
42	macaz / point 122	UT	MCGI 2X4	
43	macaz / point 122	UT	MCGI 2X4	
44	macaz / point 124	UT	MCGI 2X4	
45	macaz / point 124	UT	MCGI 2X4	
46	macaz / point 126	UT	MCGI 2X4	
47	macaz / point 126	UT	MCGI 2X4	
48	macaz / point 128	UT	MCGI 2X4	
49	macaz / point 128	UT	MCGI 2X4	
50	macaz / point 130	UT	MCGI 2X4	
51	macaz / point 130	UT	MCGI 2X4	
52	macaz / point 132	UT	MCGI 2X4	
53	macaz / point 132	UT	MCGI 2X4	
54	PTY	BJ2	CYABY 1X50 mm2	

Lungime Length [m]	Descriere Description
793	comandă şi semnalizare / comand and signaling
150	alimentare tablou distributie TDY power-supply for distribution box TDY
576	alimentare macaz / power-supply for point 100
472	alimentare macaz / power-supply for point 102
472	alimentare macaz / power-supply for point 104
360	alimentare macaz / power-supply for point 106
396	alimentare macaz / power-supply for point 108
262	alimentare macaz / power-supply for point 110
232	alimentare macaz / power-supply for point 112
89	alimentare macaz / power-supply for point 114
36	alimentare macaz / power-supply for point 116
36	alimentare macaz / power-supply for point 118
76	alimentare macaz / power-supply for point 120
125	alimentare macaz / power-supply for point 122
208	alimentare macaz / power-supply for point 124
208	alimentare macaz / power-supply for point 126
304	alimentare macaz / power-supply for point 128
323	alimentare macaz / power-supply for point 130
517	alimentare macaz / power-supply for point 132
10	alimentare macaz / power-supply for point 100
10	alimentare macaz / power-supply for point 100
10	alimentare macaz / power-supply for point 102
10	alimentare macaz / power-supply for point 102
10	alimentare macaz / power-supply for point 104
10	alimentare macaz / power-supply for point 104
10	alimentare macaz / power-supply for point 106
10	alimentare macaz / power-supply for point 106
10	alimentare macaz / power-supply for point 108
10	alimentare macaz / power-supply for point 108
10	alimentare macaz / power-supply for point 110
10	alimentare macaz / power-supply for point 110
10	alimentare macaz / power-supply for point 112
10	alimentare macaz / power-supply for point 112
10	alimentare macaz / power-supply for point 114
10	alimentare macaz / power-supply for point 114
10	alimentare macaz / power-supply for point 116
10	alimentare macaz / power-supply for point 116
10	alimentare macaz / power-supply for point 118
10	alimentare macaz / power-supply for point 118
10	alimentare macaz / power-supply for point 120
10	alimentare macaz / power-supply for point 120
10	alimentare macaz / power-supply for point 122
10	alimentare macaz / power-supply for point 122
10	alimentare macaz / power-supply for point 124
10	alimentare macaz / power-supply for point 124
10	alimentare macaz / power-supply for point 126
10	alimentare macaz / power-supply for point 126
10	alimentare macaz / power-supply for point 128
10	alimentare macaz / power-supply for point 128
10	alimentare macaz / power-supply for point 130
10	alimentare macaz / power-supply for point 130
10	alimentare macaz / power-supply for point 132
10	alimentare macaz / power-supply for point 132
100	circuit de retur/retur circuit


SUBTRAVERSARE
UNDERCROSSING
lungime / length
xxx
4
94+810
denumire / denomination
nr. cabluri / number of cables
poz. km / location
ECHIPAMENT
EQUIPMENT
identificator / ID
Q1X
LC104
94+810
denumire / denomination
nr. stalp / pole ID
poz. km / location
INCALZITOR MACAZ
POINT HEATER
identificator / ID
PA101
101
94+810
denumire / denomination
nr. macaz / point ID
poz. km / location

Legenda/Legend:

Cabluri	—	Cables
Subtraversare in tub de PVC	▭	Rail undercrossing in PVC tube
Cutie distributie	1KX	Distribution box
Dispozitiv electric	M	Eletrical operating device
Dispozitiv manual	◇	Manual operating device
Post transformare	⚭	Transformer post
Cutie aparataj	PA106	Equipment box
Cod identificare cablu	W101, W103......	Cable ID
Numar separator si stalpul pe care este montat	Q4Y LC180	Disconnector number and pole on which is mounted

Indice Index	Data Date	Modificare Modification/Revision	Proiectant Designer	Aprobat Consultant Approved Consultant	Aprobat CFR Approved CFR
D					
C					
B					
A					

GUVERNUL ROMANIEI
MANIAN GOVERNMENT

PROIECT FINANŢAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

CLIENT / CLIENT

C.N.C.F. "C.F.R." - S.A.

ITALFERR
GRUPPO FERROVIE DELLO STATO
Joint Venture leader

Scott Wilson

OBERMEYER
PLANEN + BERATEN GmbH

TECNIC
Consulting Engineers

CONSULTANT / CONSULTANT			Data Date	Semnătură Signature
Aprobat Approved	Şef proiect Project manager	R. Liuzza	11.2011	
Aprobat Approved	Coordonator Secţiune 1 Section 1 Coordinator	C. Gambelli	11.2011	
Verificat Checked	Expert Verificator Checking Expert	G. Buffarini	11.2011	

SUBCONTRACTANT / SUBCONTRACTOR

AREX COMPANY

Aprobat Approved	Responsabil Subcontractant Subcontractor Responsible	A.Stanciu - Dinulescu	11.2011	
Întocmit Elaborated	Proiectant Designer	M. Priporeanu	11.2011	

Reabilitarea liniei de cale ferata Braşov - Simeria, parte componentă a coridorului IV Pan European, pentru circulaţia trenurilor cu viteza maximă de 160 km/h, **Tronsonul : Braşov - Sighişoara**

Rehabilitation of the railway line Braşov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h,
Section : Braşov - Sighişoara

Proiect/Project
2004/RO/16/P/PA/003

Faza / Phase:
D.E. / E.D.

Denumire desen / Drawing Title :

Staţia c.f RACOS/ RACOS railway station
Plan trasee cabluri exterioare / Plan for outdoor cable routes

Codificare / Codification System	Scara / Scale 1:1000	LOT / LOT	Nr. / No 01 / 01

E A 5 1 | 0 1 | E | 1 1 | D X | E G | 0 0 | 6 | 5 | 0 0 5 | 0

297X3500