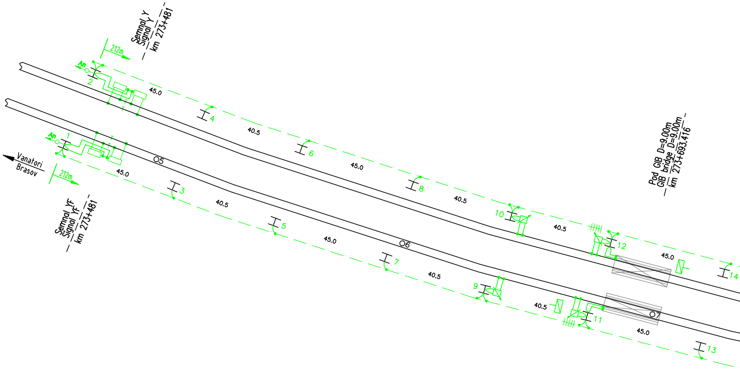
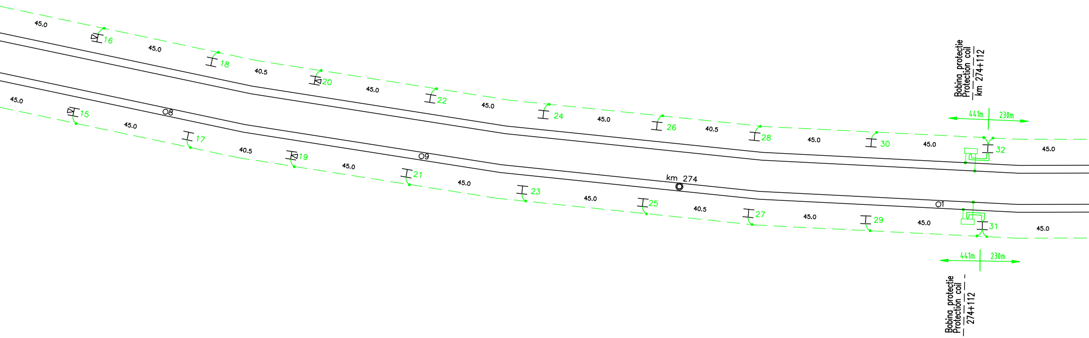
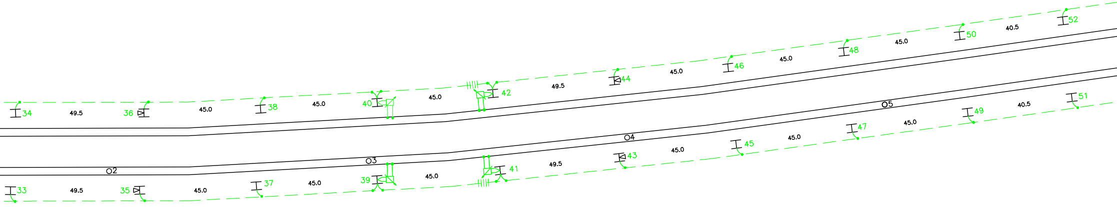
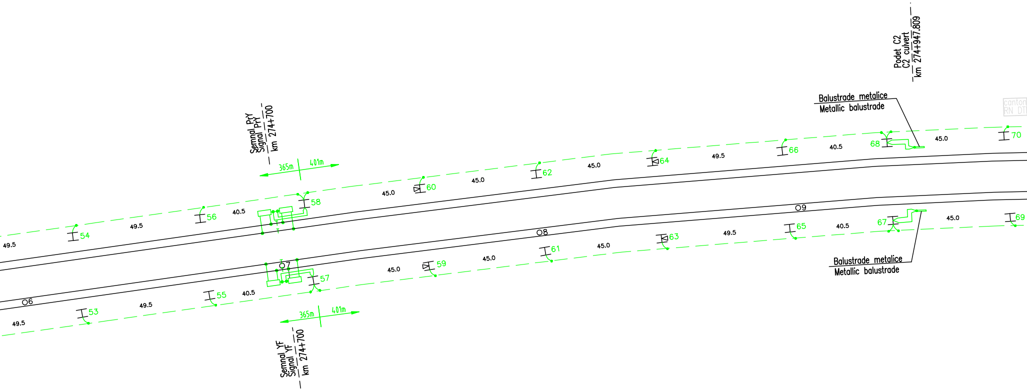
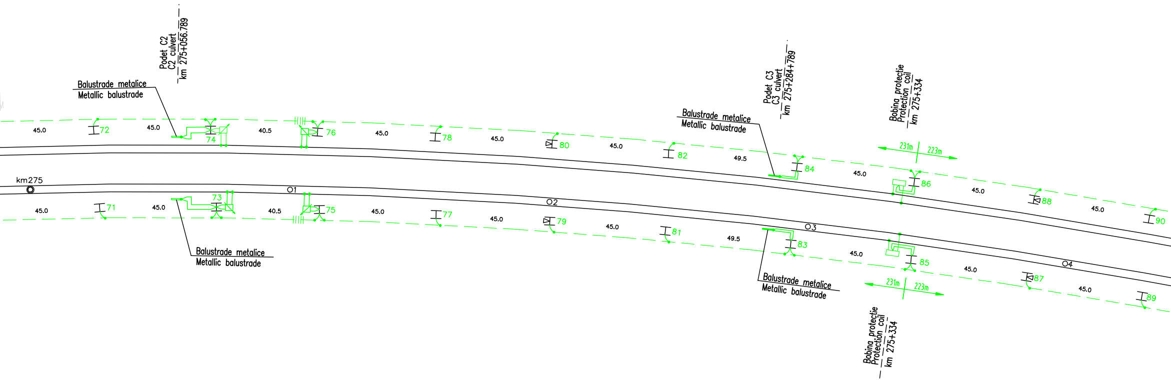
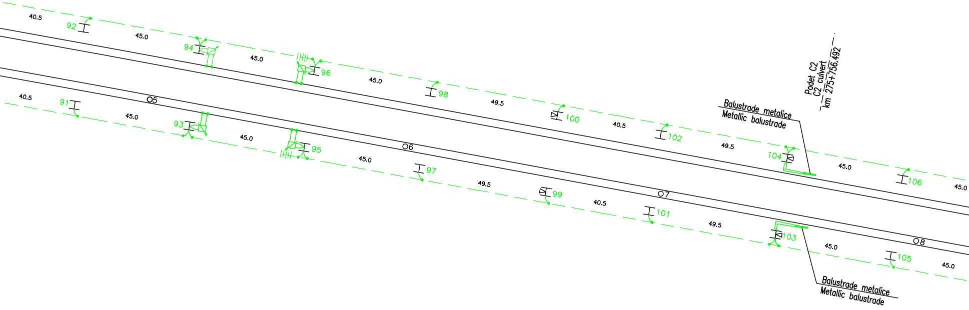

Semnal Y
Signal Y
km 273+481
212m
An
2
45.0
4
40.5
6
45.0
8
40.5
10
40.5
12
45.0
14
Pod GIB D=9.00m
GIB bridge D=9.00m
km 273+693.416
An
1
O5
Vanatori
Brasov
212m
45.0
3
40.5
5
45.0
O6
7
40.5
9
40.5
11
O7
45.0
13
Semnal YF
Signal YF
km 273+481


45.0
16
45.0
18
40.5
20
45.0
22
45.0
24
45.0
26
40.5
28
45.0
30
45.0
32
45.0
Bobina protectie
Protection coil
km 274+112
441m
230m
45.0
15
45.0
O8
17
40.5
19
45.0
O9
21
45.0
23
45.0
km 274
25
40.5
27
45.0
29
45.0
O1
31
45.0
441m
230m
Bobina protectie
Protection coil
274+112

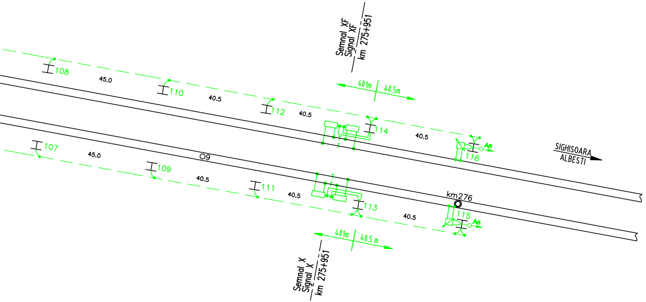

34
49.5
36
45.0
38
45.0
40
45.0
42
49.5
44
45.0
46
45.0
48
45.0
50
40.5
52
2
3
4
5
33
49.5
35
45.0
37
45.0
39
45.0
41
49.5
43
45.0
45
45.0
47
45.0
49
40.5
51


Podet C2
C2 culvert
km 274+947.809
Balustrade metalice
Metallic balustrade
canton
RN DT
Semnal PrY
Signal PrY
km 274+700
365m
401m
Semnal YF
Signal YF
km 274+700
365m
401m
Balustrade metalice
Metallic balustrade
49.5
54
49.5
56
40.5
58
45.0
60
45.0
62
45.0
64
49.5
66
40.5
68
45.0
70
O6
O7
O8
O9
49.5
53
49.5
55
40.5
57
45.0
59
45.0
61
45.0
63
49.5
65
40.5
67
45.0
69


Podet C2
C2 culvert
km 275+056.789
Balustrade metalice
Metallic balustrade
Podet C3
C3 culvert
km 275+284+789
Balustrade metalice
Metallic balustrade
Bobina protectie
Protection coil
km 275+334
231m
223m
km275
45.0
72
45.0
74
40.5
76
45.0
78
45.0
80
45.0
82
49.5
84
45.0
86
45.0
88
45.0
90
45.0
71
45.0
73
O1
40.5
75
45.0
77
45.0
O2
79
45.0
81
49.5
O3
83
45.0
85
45.0
O4
87
45.0
89
Balustrade metalice
Metallic balustrade
Balustrade metalice
Metallic balustrade
231m
223m
Bobina protectie
Protection coil
km 275+334



40.5
92
45.0
94
45.0
96
45.0
98
49.5
100
40.5
102
49.5
104
45.0
106
45.0
40.5
91
O5
45.0
93
45.0
95
O6
45.0
97
49.5
99
40.5
O7
101
49.5
103
45.0
O8
105
45.0
Podet C2
C2 culvert
km 275+756.492
Balustrade metalice
Metallic balustrade
Balustrade metalice
Metallic balustrade


Semnal XF
Signal XF
km 275+951
401m
40.5m
108
45.0
110
40.5
112
40.5
114
40.5
116
An
SIGHISOARA
ALBESTI
107
45.0
O9
109
40.5
111
40.5
113
40.5
km276
115
An
401m
40.5 m
Semnal X
Signal X
km 275+951

LEGENDA / LEGEND:

Linie c.f. electrificata
electrified line c.f.

Joanta izolata
Insulated rail joints

Conductor colector din otel-aluminiu 95/15 mmp
Earthing conductor steel-aluminum 95/15 sq mm

Conductor din banda de otel Ø 10 mm galvanizat
Galvanised steel conductor Ø 10 mm

⊗ **Stalp de beton echipat cu corp de iluminat**
Concrete pole equipped with lighting unit

⏚ **Priza de pământ**
Earth plate

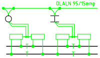
NOTA / NOTE:

SEMNIFICAȚIA CULORILOR FOLOSITE ÎN PREZENTAREA PLANULUI DE PROTECTIE ESTE URMĂTOAREA:

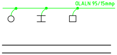
- verde - elemente noi ale instalatiei de protectie
- negru - elemente noi care aparțin altor specialități
- gri - elemente existente ale planului de situație

THE SIGNIFICATION OF COLORS USED TO PRESENT THE PROTECTION DRAWING:

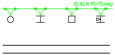
- green - new elements of the protection installations
- black - new elements of others specialities
- grey - existing elements of the layout plan


OLALN 95/15mmp

Legarea colectivă a stâlpului LC la mediana bobinei de joantă
prin conductorul de protecție OLALN 95/15mmp /
CL pole collective connection through OLALN 95/15mmp protection conductor
at the impedance coil mid-point


OLALN 95/15mmp

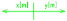
Legarea simplă a stâlpului LC la conductorul de protecție OLALN95/15mmp
Simple connection of CL pole at OLALN95/15mmp protection conductor


OLALN 95/15mmp

Legarea dublă a stâlpului LC la conductorul de protecție OLALN95/15mmp
Double connection of CL pole at OLALN95/15mmp protection conductor

Ancora pentru conductorul de protecție OLALN 95/15mmp
Anchor for OLALN 95/15mmp protection conductor

Izolator de separare electrică a conductorului de protecție
Sectionning insulator of over-head protective conductor



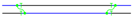
x, y - Lungimile conductorului de protecție
x, y - Overhead protective conductor lenghts

Bobina de joanta
Impedance coil

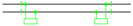
Bobina de protectie
Protection coil

Separator monopolar de exterior
Outdoor single phase disconnector

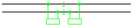
Transformator
Transformer



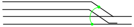
Circuit de cale monofilar
Single-track circuit



Circuit de cale bifilar
Double-track circuit



Bobina de joanta CED
Joint coil CED



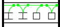
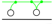
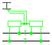
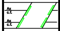
Funie de cupru de 50mmp
Copper cord 50mmp

Subtraversare linie c.f. in tub de cauciuc
Railway lines under-crossing by rubber tube

Placa avertizoare "STATIONAREA PE POD INTERZISA"
Marker "Staying on the bridge is not permised"

Indicator cerc pentru restrictie gabarit si placuta suplimentara pentru indicarea distantei
Circle indicator for gauge restriction and additional plate to indicate distance

LISTA DE COMPONENTA / ITEM LIST

REF / ITEM	DENUMIRE REFERINTA / ITEM DESIGNATION	REFERINTA DWG / DWG REFERENCE	CANTITATE / QUANTITY
	Stalp de beton protejat individual Individual protected concrete pole		-
	Stalp de metal protejat individual Individualy protected metallic pole		-
	Stalp de metal protejat colectiv Collectivelly protected metallic pole		116 pcs
	Stalp de beton protejat colectiv Collectivelly protected concrete pole		-
OLALN 95/15mmp	Conductor colector din otel-aluminiu 95/15 mmp Earthing conductor steel-aluminum 95/15 sq mm		5100m
An	Ancora pentru conductorul de protecție OLALN 95/15mmp Anchor for OLALN 95/15mmp protection conductor		4 pcs
	Legatura dubla la mediana bobinei de joanta Double connection at mid-point of coil		6 pcs
	Indicator restrictie gabarit Restriction indicator gauge		2 pcs
	Bobina de protectie Protection coil		4 pcs
	Priza de pământ Earth plate		-
	Interstitiu de scanteiere Sparking gap		18 pcs.
 Ax c.f. Ax c.f.	Panouri protectie Protection panel		-
	Izolator de separare electrică Sectionning insulator		8 pcs
	Placa avertizoare "STATIONAREA PE POD INTERZISA" Marker "Staying on the bridge is not permised"		2 pcs
	Subtraversare linie c.f. in tub de cauciuc Railway lines under-crossing by rubber tube		-

D			
C			
B			
A			
Indice Index	Data Date	Modificare Modification/Revision	Proiectant Designer

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANȚAT DE UNIU
EUROPEAN UNION FI

CFR

CLIENT / CLIENT

ITALFERR
GRUPPO FERROVIE DELLO STATO
Joint Venture leader

Scott Wilson

OBERM
PLANEN + BERA

CONSULTANT / CONSULTANT

Aprobat Approved	Șef proiect Project manager	R. Liuzza
Aprobat Approved	Coordonator Secțiune 1 Section 1 Coordinator	C. Gambelli
Verificat Checked	Expert Verificator Checking Expert	G. Buffarini

SUBCONTRACTANT / SUBCONTRACTOR

AREX COMPANY

Aprobat Approved	Responsabil Subcontractant Subcontractor Responsible	A.Stanciu - Dinulescu
Întocmit Elaborated	Proiectant Designer	A. Teutu

Reabilitarea liniei de cale ferata Brașov - Simeria, parte componentă a coride
European, pentru circulația trenurilor cu viteza maximă de 160 km/h, Tr
Brașov - Sighișoara
Rehabilitation of the railway line Brașov - Simeria, component Part of the IV
Corridor, for the trains circulation with maximum speed of 160 km/h,
Section : Brașov - Sighișoara

Denumire desen / Drawing Title :

Interval Vanatori-Albesti / Vanatori-Albe
Protecția instalațiilor din cale și vecinătate / Protection of tr

Codificare / Codification System

Scara / Scale
1:1000

E A 5 1 0 1 C 1 8 L 7 P I 0 0

Aprobat Consultant Approved Consultant	Aprobat CFR Approved CFR

UNEA EUROPEANĂ
NANCED PROJECT

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

EYER
ATEN GmbH

TECNIC
Consulting Engineers

Data Date	Semnătură Signature
12.2011	
12.2011	
12.2011	

12.2011	
12.2011	

onului IV Pan
ronsonul :

Pan-European

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

Faza / Phase:
P.Th. / T.D.

ati section
ack and proximity installations

	LOT / LOT	Nr. / No 01 / 01

1 0 001 1

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