NOTA: Acest desen nu constituie o obligatie de aplicare de către contractor.
El reprezintă doar un exemplu de circuit de cale utilizat la CFR si nu trebuie aplicat ca atare.

NOTE: It is not compulsory for the contractor to apply this drawing.
It is only an example of track circuit in use at CFR and shall not be applied as such.

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

GUVERNUL ROMANIEI
ROMANIAN 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	12.12.2011	
Aprobat Approved	Coordonator Secţiune 1 Section 1 Coordinator	C. Gambelli	12.12.2011	
Verificat Checked	Expert Cheie Key Expert	P. Amodio	12.12.2011	

SUBCONTRACTANT / SUBCONTRACTOR

AREX COMPANY

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A. Stanciu - Dinulescu	12.12.2011	
Întocmit Elaborated	Proiectant Designer	ing.Juganaru Adriana	12.12.2011	

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

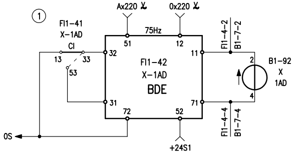
Faza / Phase:
D.E. / D.D.

Denumire desen / Drawing Title :

Statia / Station APATA
Schema de decodificare a circuitelor de cale
Decoder scheme for track circuits

Codificare / Codification System	Scara / Scale Fără / No scale	LOT / LOT	Nr. / No 01 / 04

EA51 01 E 09 BX SE 00 9 2 017 0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31
71
72
52
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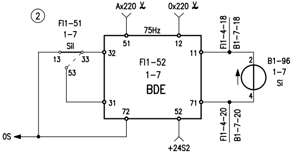
+24S1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31
71
72
52
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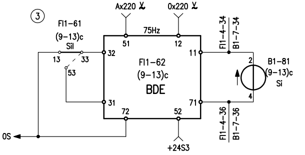
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31
71
72
52
FI1-4-34
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B1-7-36
B1-81
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0S
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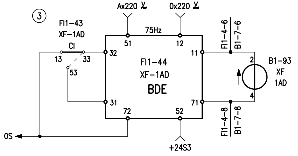
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11
31
71
72
52
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4
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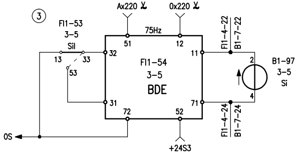
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11
31
71
72
52
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B1-7-24
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Si
2
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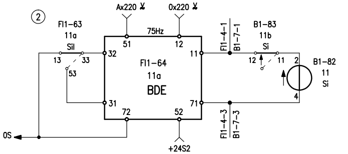
0S
+24S3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B1-7-1
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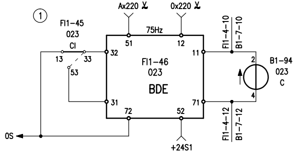
+24S2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31
71
72
52
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4
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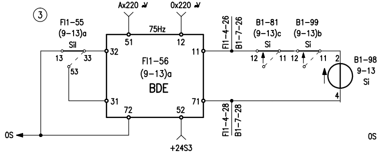
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12
32
FI1-56
(9-13)a
BDE
11
31
71
72
52
FI1-4-26
B1-7-26
B1-81
(9-13)c
Si
12
11
B1-99
(9-13)b
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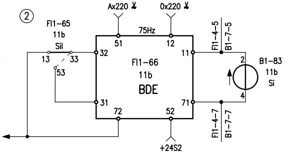
B1-98
9-13
Si
2
4
0S
+24S3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BDE
11
31
71
72
52
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FI1-4-7
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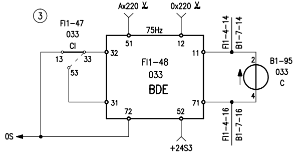
11b
Si
2
4
0S
+24S2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CI
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FI1-48
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BDE
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31
71
72
52
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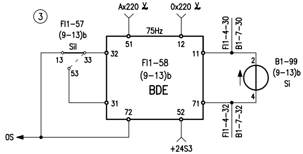
033
C
2
4
0S
+24S3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33
53
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12
32
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(9-13)b
BDE
11
31
71
72
52
FI1-4-30
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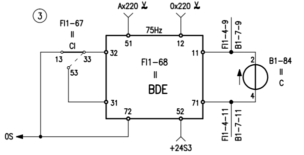
Si
2
4
0S
+24S3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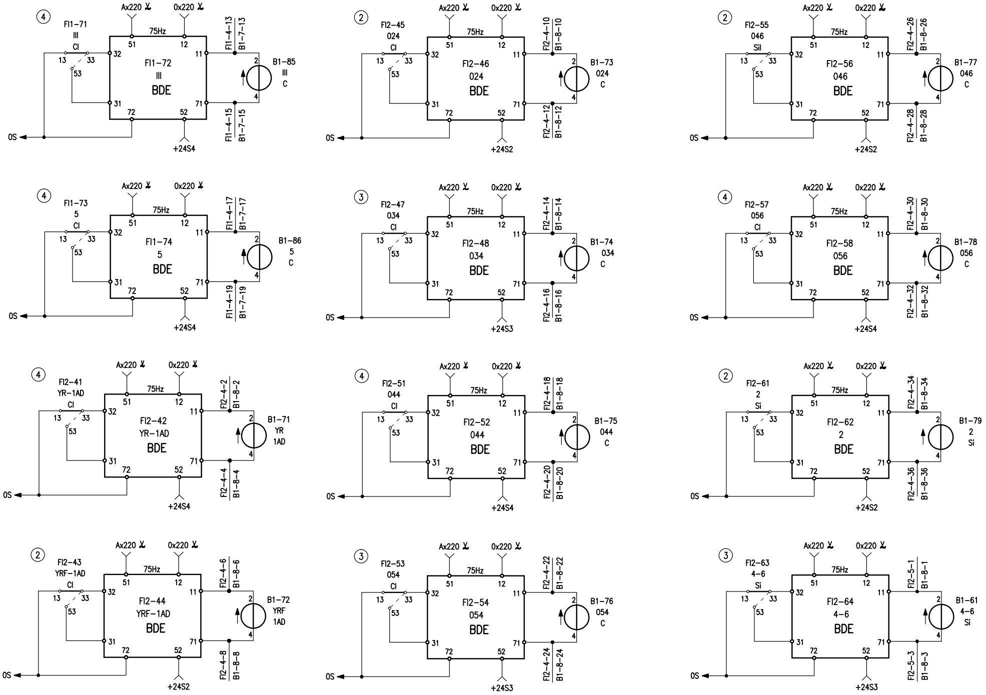
II
BDE
11
31
71
72
52
FI1-4-9
B1-7-9
FI1-4-11
B1-7-11
B1-84
II
C
2
4
0S
+24S3

Statia: APATA

EA51 01 E 09 BX SE 009 2 017 0 **2/4**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33
53
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12
32
11
FI1-72
III
BDE
31
71
72
52
+24S4
OS
FI1-4-13
B1-7-13
FI1-4-15
B1-7-15
2
4
B1-85
III
C
2
FI2-45
024
CI
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0x220
75Hz
FI2-46
024
BDE
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FI2-4-10
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FI2-4-12
B1-8-12
B1-73
024
C
2
FI2-55
046
Sil
Ax220
0x220
75Hz
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046
BDE
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FI2-4-26
B1-8-26
FI2-4-28
B1-8-28
B1-77
046
C
4
FI1-73
5
CI
FI1-74
5
BDE
+24S4
FI1-4-17
B1-7-17
FI1-4-19
B1-7-19
B1-86
5
C
3
FI2-47
034
CI
FI2-48
034
BDE
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FI2-4-14
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FI2-4-16
B1-8-16
B1-74
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C
4
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CI
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BDE
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FI2-4-32
B1-8-32
B1-78
056
C
4
FI2-41
YR-1AD
CI
FI2-42
YR-1AD
BDE
+24S4
FI2-4-2
B1-8-2
FI2-4-4
B1-8-4
B1-71
YR
1AD
4
FI2-51
044
CI
FI2-52
044
BDE
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B1-8-18
FI2-4-20
B1-8-20
B1-75
044
C
2
FI2-61
2
Si
FI2-62
2
BDE
+24S2
FI2-4-34
B1-8-34
FI2-4-36
B1-8-36
B1-79
2
Si
2
FI2-43
YRF-1AD
CI
FI2-44
YRF-1AD
BDE
+24S2
FI2-4-6
B1-8-6
FI2-4-8
B1-8-8
B1-72
YRF
1AD
3
FI2-53
054
CI
FI2-54
054
BDE
+24S3
FI2-4-22
B1-8-22
FI2-4-24
B1-8-24
B1-76
054
C
3
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Si
FI2-64
4-6
BDE
+24S3
FI2-5-1
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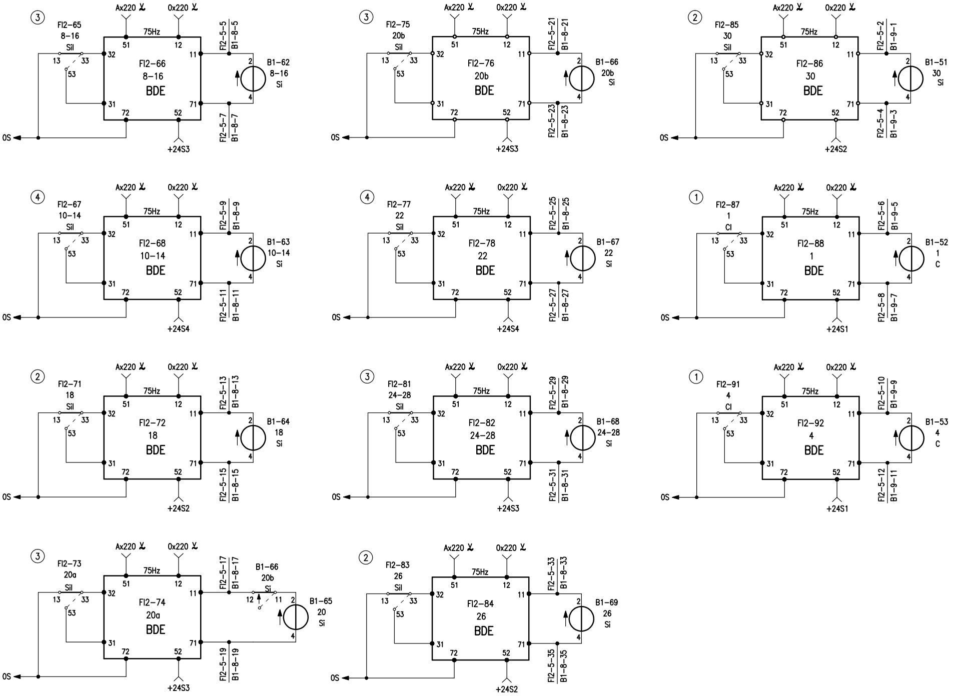
Si

Statia: APATA

EA51 01 E 09 BX SE 009 2 017 0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0x220
75Hz
Fl2–66
8–16
BDE
Fl2–5–5
B1–8–5
B1–62
8–16
Si
Fl2–5–7
B1–8–7
+24S3
0S
③
Fl2–75
20b
Sil
Fl2–76
20b
BDE
Fl2–5–21
B1–8–21
B1–66
20b
Si
Fl2–5–23
B1–8–23
+24S3
②
Fl2–85
30
Sil
Fl2–86
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BDE
Fl2–5–2
B1–9–1
B1–51
30
Si
Fl2–5–4
B1–9–3
+24S2
④
Fl2–67
10–14
Sil
Fl2–68
10–14
BDE
Fl2–5–9
B1–8–9
B1–63
10–14
Si
Fl2–5–11
B1–8–11
+24S4
④
Fl2–77
22
Sil
Fl2–78
22
BDE
Fl2–5–25
B1–8–25
B1–67
22
Si
Fl2–5–27
B1–8–27
+24S4
①
Fl2–87
1
Cl
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1
BDE
Fl2–5–6
B1–9–5
B1–52
1
C
Fl2–5–8
B1–9–7
+24S1
②
Fl2–71
18
Sil
Fl2–72
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BDE
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B1–8–13
B1–64
18
Si
Fl2–5–15
B1–8–15
+24S2
③
Fl2–81
24–28
Sil
Fl2–82
24–28
BDE
Fl2–5–29
B1–8–29
B1–68
24–28
Si
Fl2–5–31
B1–8–31
+24S3
①
Fl2–91
4
Cl
Fl2–92
4
BDE
Fl2–5–10
B1–9–9
B1–53
4
C
Fl2–5–12
B1–9–11
+24S1
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Sil
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B1–66
20b
Si
B1–65
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Si
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B1–8–19
+24S3
②
Fl2–83
26
Sil
Fl2–84
26
BDE
Fl2–5–33
B1–8–33
B1–69
26
Si
Fl2–5–35
B1–8–35
+24S2
13
33
53
32
31
51
12
11
71
72
52
2
4

Statia: APATA