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 FINANȚAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

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

CLIENT / CLIENT

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	12.2011	
Aprobat Approved	Coordonator Secțiune 1 Section 1 Coordinator	C. Gambelli	12.2011	
Verificat Checked	Expert Cheie Key Expert	P. Amodio	12.2011	

SUBCONTRACTANT / SUBCONTRACTOR

AREX COMPANY

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A. Stanciu - Dinulescu	12.2011	
Întocmit Elaborated	Proiectant Designer	Angelescu Sergiu	12.2011	

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

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

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

Denumire desen / Drawing Title :

Statia / Station ARCHITA
Fisele si regletele ramei B1
Wiring diagrams for B1 frame

Codificare / Codification System	Scara / Scale Fără / No scale	LOT / LOT	Nr. / No 01 / 08
EA51 01 E 15 BX SE 01 5 2 018 0			

RAMA B1

	1	2	3	4	5	6	7
9	NF1–2000 023–C	NF1–2000 033–C	NF1–2000 1–7 Si	NF1–2000 3–5 Si	NF1–2000 9–Si	NF1–2000 11–Si	NF1–2000 11b–Si
8	NF1–2000 1L–C	NF1–2000 IIL–C	NF1–2000 IIIL–C	NF1–2000 4L–C			
7	NF1–2000 YF–1ADa	NF1–2000 024–C	NF1–2000 Y–1ADa	NF1–2000 034–C	NF1–2000 2–8–Si	NF1–2000 4–6–Si	NF1–2000 10–Si
6							
5	2x0,5 A	VOLMETRU ELECTRONIC TIP ICN–4 PENTRU MASURAREA CICLICA A CIRCUITELOR DE CALE					
4							
3							
2							
1							

Nr. crt.	Tip releu	buc.
1	NF1–2000	22
2	Sigurante de 0,5A	2
3		
4		
5		

Statia: ARCHITA

EA51 01 E 15 BX SE

8	9
NF1-2000 13-Si	
	NF1-2000 12b-Si
NF1-2000 10b-Si	NF1-2000 12-Si

RANDUL 9

	9		8		7		6		5		4		3		2		1
Nr. crt.		Nr. crt.	13-Si	Nr. crt.	11b-Si	Nr. crt.	11-Si	Nr. crt.	9-Si	Nr. crt.	3-5-Si	Nr. crt.	1-7-Si	Nr. crt.	033-C	Nr. crt.	023-C
1		1		1		1		1		1		1		1		1	
2		2	B1-7-15	2	B1-7-13	2	7-11	2	B1-7-9	2	B1-7-7	2	B1-7-5	2	B1-7-3	2	B1-7-1
3		3		3		3		3		3		3		3		3	
4		4	B1-7-16	4	B1-7-14	4	B1-7-12	4	B1-7-10	4	B1-7-8	4	B1-7-6	4	B1-7-4	4	B1-7-2
12		12		12	B1-7-11	12		12		12		12		12		12	
11		11		11	6-2	11		11		11		11		11		11	
13		13		13		13		13		13		13		13		13	
22		22	B1-1-14	22		22	B1-1-12	22	B1-1-10	22	B1-1-8	22	B1-1-6	22	B1-1-4	22	B1-1-2
21		21	B1-1-13	21		21	B1-1-11	21	B1-1-9	21	B1-1-7	21	B1-1-5	21	B1-1-3	C 21	B1-1-1
23		23	B1-2-13	23		23	B1-2-11	23	B1-2-9	23	B1-2-7	23	B1-2-5	23	B1-2-3	23	B1-2-1
32		32		32		32		32		32		32		32		32	
31		31		31		31		31		31		31		31		31	
33		33		33		33		33		33		33		33		33	
42		42		42		42		42		42		42		42		42	
41		41		41		41		41		41		41		41		41	
43		43		43		43		43		43		43		43		43	
52		52		52		52		52		52		52		52		52	
51		51		51		51		51		51		51		51		51	
53		53		53		53		53		53		53		53		53	
62		62		62		62		62		62		62		62		62	
61		61		61		61		61		61		61		61		61	
63		63		63		63		63		63		63		63		63	
72		72		72		72		72		72		72		72		72	
71		71		71		71		71		71		71		71		71	
73		73		73		73		73		73		73		73		73	
82		82		82		82		82		82		82		82		82	
81		81		81		81		81		81		81		81		81	
83		83		83		83		83		83		83		83		83	

B1-9

RANDUL 8

	9		8		7		6		5		4
Nr. crt.	12b-Si	Nr. crt.		Nr. crt.		Nr. crt.		Nr. crt.		Nr. crt.	4L-C
1		1		1		1		1		1	
2	B1-8-7	2		2		2		2		2	B1-7-23
3		3		3		3		3		3	
4	B1-8-8	4		4		4		4		4	B1-7-24
12	B1-8-5	12		12		12		12		12	
11	79-2	11		11		11		11		11	
13		13		13		13		13		13	
22		22		22		22		22		22	B1-1-22
21		21		21		21		21		C 21	B1-1-21
23		23		23		23		23		23	B1-2-21
32		32		32		32		32		32	
31		31		31		31		31		31	
33		33		33		33		33		33	
42		42		42		42		42		42	
41		41		41		41		41		41	
43		43		43		43		43		43	
52		52		52		52		52		52	
51		51		51		51		51		51	
53		53		53		53		53		53	
62		62		62		62		62		62	
61		61		61		61		61		61	
63		63		63		63		63		63	
72		72		72		72		72		72	
71		71		71		71		71		71	
73		73		73		73		73		73	
82		82		82		82		82		82	
81		81		81		81		81		81	
83		83		83		83		83		83	

	3		2		1
Nr. crt.	IIIL–C	Nr. crt.	IIL–C	Nr. crt.	1L–C
1		1		1	
2	B1–7–21	2	B1–7–19	2	B1–7–17
3		3		3	
4	B1–7–22	4	B1–7–20	4	B1–7–18
12		12		12	
11		11		11	
13		13		13	
22	B1–1–20	22	B1–1–18	22	B1–1–16
C 21	B1–1–19	C 21	B1–1–17	C 21	B1–1–15
23	B1–2–19	23	B1–2–17	23	B1–2–15
32		32		32	
31		31		31	
33		33		33	
42		42		42	
41		41		41	
43		43		43	
52		52		52	
51		51		51	
53		53		53	
62		62		62	
61		61		61	
63		63		63	
72		72		72	
71		71		71	
73		73		73	
82		82		82	
81		81		81	
83		83		83	

B1–8

RANDUL 7

	9		8		7		6		5		4		3		2		1
Nr. crt.	12–Si	Nr. crt.	10b–Si	Nr. crt.	10–Si	Nr. crt.	4–6–Si	Nr. crt.	2–8–Si	Nr. crt.	034–C	Nr. crt.	Y–1ADa	Nr. crt.	024–C	Nr. crt.	YF–1ADa
1		1		1		1		1		1		1		1		1	
2	89–11	2	B1–8–3	2	8–11	2	B1–7–35	2	B1–7–33	2	B1–7–31	2	B1–7–29	2	B1–7–27	2	B1–7–25
3		3		3		3		3		3		3		3		3	
4	B1–8–6	4	B1–8–4	4	B1–8–2	4	B1–7–36	4	B1–7–34	4	B1–7–32	4	B1–7–30	4	B1–7–28	4	B1–7–26
12		12	B1–8–1	12		12		12		12		12		12		12	
11		11	7–2	11		11		11		11		11		11		11	
13		13		13		13		13		13		13		13		13	
22	B1–3–1	22		22	B1–1–36	22	B1–1–34	22	B1–1–32	22	B1–1–30	22	B1–1–28	22	B1–1–26	22	B1–1–24
21	B1–2–2	21		21	B1–1–35	21	B1–1–33	21	B1–1–31	21	B1–1–29	21	B1–1–27	21	B1–1–25	21	B1–1–23
23	B1–3–2	23		23	B1–2–35	23	B1–2–33	23	B1–2–31	23	B1–2–29	23	B1–2–27	23	B1–2–25	23	B1–2–23
32		32		32		32		32		32		32		32		32	
31		31		31		31		31		31		31		31		31	
33		33		33		33		33		33		33		33		33	
42		42		42		42		42		42		42		42		42	
41		41		41		41		41		41		41		41		41	
43		43		43		43		43		43		43		43		43	
52		52		52		52		52		52		52		52		52	
51		51		51		51		51		51		51		51		51	
53		53		53		53		53		53		53		53		53	
62		62		62		62		62		62		62		62		62	
61		61		61		61		61		61		61		61		61	
63		63		63		63		63		63		63		63		63	
72		72		72		72		72		72		72		72		72	
71		71		71		71		71		71		71		71		71	
73		73		73		73		73		73		73		73		73	
82		82		82		82		82		82		82		82		82	
81		81		81		81		81		81		81		81		81	
83		83		83		83		83		83		83		83		83	

B1–7

Statia: ARCHITA

59		58		CUPLA T1		
1		1		CANAL		ADRESA
2		2		0–0	C3	
3		3		0–1	B3	B1–10–1
4		4		0–2	A4	B1–10–3
12		12		0–3	C6	B1–10–5
11		11		0–4	B5	B1–10–7
13		13		0–5	A5	B1–10–9
22		22		0–6	A6	B1–10–11
21		21		0–7	B6	B1–10–13
23		23		1–0	C7	B1–10–15
32		32		1–1	B7	B1–10–17
31		31		1–2	A8	B1–10–19
33		33		1–3	A10	B1–10–21
42		42		1–4	C9	B1–10–23
41		41		1–5	B9	B1–10–25
43		43		1–6	C10	B1–10–27
52		52		1–7	B10	B1–10–29
51		51		A1–B1–C1 A2–B2–C2 MASA CUPLA		
53		53				
62		62				
61		61				
63		63				
72		72				
71		71				
73		73				
82		82				
81		81				
83		83				

Statia: ARCHITA

RANDUL 5

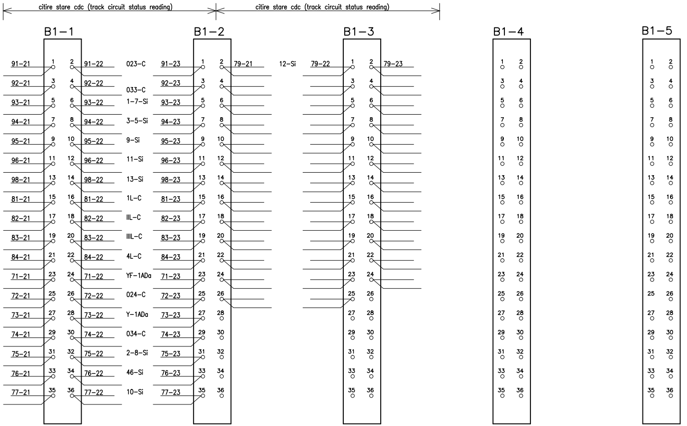
55									51
INDICATOR CICLIC DE NIVEL ICN-4									2x0,5 A
CUPLA T2			CUPLA T3			CUPLA T4			S1 **Ax220** B1-9-28
CANAL		ADRESA	CANAL		ADRESA	CANAL		ADRESA	
2-0	C3	B1-10-31	4-0	C3		6-0	C3		S2 TG-C1
2-1	B3	B1-10-33	4-1	B3		6-1	B3		S3 **0x220** B1-9-30
2-2	A4	B1-10-35	4-2	A4		6-2	A4		S4 TG-B3
2-3	C6	B1-10-36	4-3	C6		6-3	C6		
2-4	B5	B1-10-34	4-4	B5		6-4	B5		
2-5	A5	B1-10-32	4-5	A5		6-5	A5		
2-6	A6	B1-10-30	4-6	A6		6-6	A6		
2-7	B6		4-7	B6		6-7	B6		
3-0	C7		5-0	C7		7-0	C7		
3-1	B7		5-1	B7		7-1	B7		
3-2	A8		5-2	A8		7-2	A8		
3-3	A10		5-3	A10		7-3	A10		
3-4	C9		5-4	C9		7-4	C9		
3-5	B9		5-5	B9		7-5	B9		
3-6	C10		5-6	C10		7-6	C10		
3-7	B10		5-7	B10		7-7	B10		
A1-B1-C1 A2-B2-C2 MASA CUPLA			A1-B1-C1 A2-B2-C2 MASA CUPLA			A1-B1-C1 A2-B2-C2 MASA CUPLA			

CUPLA TG		
ROL		ADRESA
Ax220	C1	1-S2
0x220	B3	1-S4
Protectie	A1	

B1-5

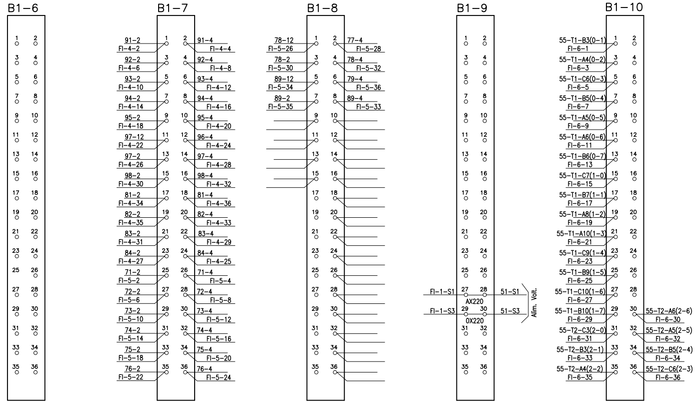
EA51 01 E 15 BX SE 015 2 018 0 **06/08**

Statia: ARCHITA


citire stare cdc (track circuit status reading)
citire stare cdc (track circuit status reading)
B1-1
B1-2
B1-3
B1-4
B1-5
91-21 1 2 91-22
92-21 3 4 92-22
93-21 5 6 93-22
94-21 7 8 94-22
95-21 9 10 95-22
96-21 11 12 96-22
98-21 13 14 98-22
81-21 15 16 81-22
82-21 17 18 82-22
83-21 19 20 83-22
84-21 21 22 84-22
71-21 23 24 71-22
72-21 25 26 72-22
73-21 27 28 73-22
74-21 29 30 74-22
75-21 31 32 75-22
76-21 33 34 76-22
77-21 35 36 77-22
023-C
033-C
1-7-Si
3-5-Si
9-Si
11-Si
13-Si
1L-C
IIL-C
IIIL-C
4L-C
YF-1ADa
024-C
Y-1ADa
034-C
2-8-Si
46-Si
10-Si
91-23 1 2 79-21
92-23 3 4
93-23 5 6
94-23 7 8
95-23 9 10
96-23 11 12
98-23 13 14
81-23 15 16
82-23 17 18
83-23 19 20
84-23 21 22
71-23 23 24
72-23 25 26
73-23 27 28
74-23 29 30
75-23 31 32
76-23 33 34
77-23 35 36
12-Si
79-22 1 2 79-23
1 2 … 35 36

EA51 01 E 15 BX SE 015 2 018 0 **07/08**

Statia: ARCHITA


B1−6
B1−7
91−2
FI−4−2
91−4
FI−4−4
92−2
FI−4−6
92−4
FI−4−8
93−2
FI−4−10
93−4
FI−4−12
94−2
FI−4−14
94−4
FI−4−16
95−2
FI−4−18
95−4
FI−4−20
97−12
FI−4−22
96−4
FI−4−24
97−2
FI−4−26
97−4
FI−4−28
98−2
FI−4−30
98−4
FI−4−32
81−2
FI−4−34
81−4
FI−4−36
82−2
FI−4−35
82−4
FI−4−33
83−2
FI−4−31
83−4
FI−4−29
84−2
FI−4−27
84−4
FI−4−25
71−2
FI−5−2
71−4
FI−5−4
72−2
FI−5−6
72−4
FI−5−8
73−2
FI−5−10
73−4
FI−5−12
74−2
FI−5−14
74−4
FI−5−16
75−2
FI−5−18
75−4
FI−5−20
76−2
FI−5−22
76−4
FI−5−24
B1−8
78−12
FI−5−26
77−4
FI−5−28
78−2
FI−5−30
78−4
FI−5−32
89−12
FI−5−34
79−4
FI−5−36
89−2
FI−5−35
89−4
FI−5−33
B1−9
FI−1−S1
51−S1
AX220
FI−1−S3
51−S3
0X220
Alim. Volt.
B1−10
55−T1−B3(0−1)
FI−6−1
55−T1−A4(0−2)
FI−6−3
55−T1−C6(0−3)
FI−6−5
55−T1−B5(0−4)
FI−6−7
55−T1−A5(0−5)
FI−6−9
55−T1−A6(0−6)
FI−6−11
55−T1−B6(0−7)
FI−6−13
55−T1−C7(1−0)
FI−6−15
55−T1−B7(1−1)
FI−6−17
55−T1−A8(1−2)
FI−6−19
55−T1−A10(1−3)
FI−6−21
55−T1−C9(1−4)
FI−6−23
55−T1−B9(1−5)
FI−6−25
55−T1−C10(1−6)
FI−6−27
55−T1−B10(1−7)
FI−6−29
55−T2−A6(2−6)
FI−6−30
55−T2−C3(2−0)
FI−6−31
55−T2−A5(2−5)
FI−6−32
55−T2−B3(2−1)
FI−6−33
55−T2−B5(2−4)
FI−6−34
55−T2−A4(2−2)
FI−6−35
55−T2−C6(2−3)
FI−6−36

EA51 01 E 15 EX SE 015 2 018 0 08/08