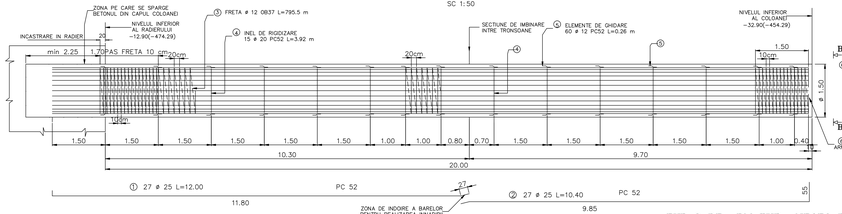
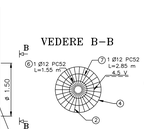
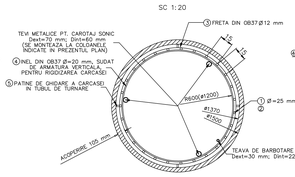
VEDERE LONGITUDINALA
SC 1:50



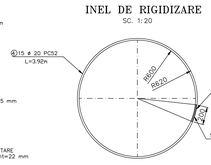
VEDERE B-B



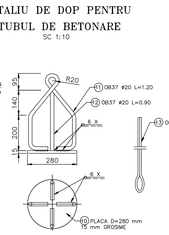
SECTIUNE TRANSVERSALA A-A
SC 1:20



INEL DE RIGIDIZARE
SC. 1:20



DETALIU DE DOP PENTRU TUBUL DE BETONARE
SC 1:10



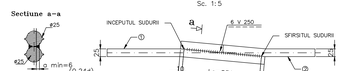
NOTA

1. Prezentul plan a fost intocmit in conformitate cu prevederile SR EN 1536:2011 "Executia lucrarilor geotehnice speciale. Piloti forati".
2. S-a avut in vedere planul de cofraj EA5101E088BPV01720031, EA5101E088BPV01720041.
3. La executie se vor respecta cu strictete prevederile din caietul de sarcini si se vor intocmi fisele de forare si betonare.
4. La executie se vor respecta cu strictete prevederile din "Normativ pentru producerea betonului si executarea lucrarilor din beton, beton armat si beton precomprimat. Partea 1: Producerea betonului", indicativ NE 012/1–2007 si "Normativ pentru producerea betonului si executarea lucrarilor din beton, beton armat si beton precomprimat. Partea 2: Executarea lucrarilor din beton", indicativ NE 012/2–2010, iar verificarea calitatii lucrarilor si receptionarea lor se va face conform normativului C56–1985.
5. Pupa executarea sapaturii pentru prima coloana se va chema proiectantul geotehnician pentru confirmarea naturii terenului intalnit in strat si strabatut de coloane pana la cota –32.90m de fundare a acestora.

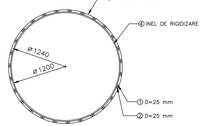
NOTE:

1. This drawing was prepared according to the provisions SR EN 1536:2011 "Special geotechnical works. Drilled piles".
2. The shuttering plan EA5101E088BPV01720031, EA5101E088BPV01720041 was taken into consideration.
3. During the works, the provisions in the Technical Specifications will be strictly observed and the drilling and concreting sheets will be prepared accordingly.
4. During the works, the provisions of the following norms will be strictly observed: "Norm for concrete manufacturing and concrete, reinforced concrete and pre-stressed concrete works. Part 1: Concrete manufacturing", indicative NE 012/1–2007 and "Norm for concrete manufacturing and concrete, reinforced concrete and pre-stressed concrete works. Part 2: Concrete works", indicative NE 012/2–2010; the work quality control and acceptance will comply with norm C56–1985.
5. After the excavations for the first column, the geotechnician designer will be called to confirm the nature of the ground encountered in the layer crossed through by the columns up to the foundation level –32.90m.

DETALII DE INNADIRE A BARELOR LONGITUDINALE
(CONFORM NORMATIV C28/83)
Sc. 1:5



Pozarea barelor longitudinale in zona de innadire
Sc. 1:20

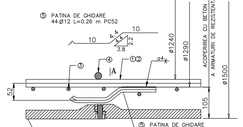


EXRAS DE ARMATURA NECESARA PENTRU ARMAREA UNEI COLOANE ø1.50, L= 20.00 m

MARCA	DIAM.	NR.BUC.	LUNG.PE BUC	LUNGIMI PE DIAMETRE			
				OB 37	PC 52		
				S255	S355	S345	
				ø12	ø12	ø20	ø25
1	25	27	12.00				324.00
2	25	27	10.40				280.80
3	12	1	537.50	537.50			
4	20	15	3.92			58.80	
5	12	60	0.26		15.60		
6	12	1	1.55	1.6			
7	12	1	2.85	2.9			
LUNGIMI TOTALE(m)				542.00	15.60	58.80	604.80
GREUTATE PE m(kg/m)				0.888	0.888	2.466	3.853
GREUTATE PE DIAM.(kg)				481.30	13.90	145.00	2330.30
GREUTATE TOTALA(kg)					2970.50		
Sudura 2%(kg)					59.40		
Pierderi 5%(kg)					148.50		
GREUTATE TOTALA(kg)					3200.00		

COLOANE LA UN RADIER: 6buc. x 3200.00 kg = 19200.00kg
COLOANE LA 2 RADIERE: 2x6buc.x 3200.00 kg =38400.00kg

DETALII ELEMENTE DE GHIDARE
SC. 1:5



DETALIU DE INTRERUPERE A FRETEI IN DREPTUL INELULUI DE RIGIDIZARE
SC 1:10

MATERIAL METALIC PENTRU UN DOP LA TUBUL DE BETONARE

MARCA	NR. BUC.	DIMENSIUNI	GREUTATE (Kg)
10	1	PLACA D=280 mm, GROS. 15 mm	7.30
11	1	OB 37 ø20 L=1.20 m	3.00
12	1	OB 37 ø20 L=0.90 m	2.20
13	1	OB 37 ø10 L=60.00 m	37.00
		GREUTATE TOTALA OL37	7.30
		0837	42.20
		SUDURA	0.40

BETON C25/30
CONCRETE
ARMATURA S255, S235
REINFORCING BAR
ACOPERIRE 10.5cm
COVERING

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

GUVERNUL ROMANIEI ROMANIAN GOVERNMENT

PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ EUROPEAN UNION FINANCED PROJECT

F\7.02 ANDREA\CFR.png

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

CLIENT / CLIENT

ITALFERR Gruppo FERROVIE DELLO STATO Joint Venture leader

Rina Consulting

OBERMEYER "LAHEN + SEIFERTEN GMBH

TECNIC Consulting Engineers

CONSULTANT / CONSULTANT

			Data Date	Semnătura Signature
Aprobat Approved	Şef proiect Project manager	R. Liuzza		
Aprobat Approved	Coordonator Secţiune 1 Section 1 Coordinator	C. Gambelli		
Verificat Checked	Expert Cheie Checking Expert	V. Kallidromitis		

SUBCONTRACTANT / SUBCONTRACTOR

ARX LIDER

Aprobat Approved	Responsabil Subcontractant Subcontractant Responsible	A.Stanciu - Dinulescu	02.2012	
Întocmit Elaborated	Proiectant Designer	Maria Campan	02.2012	

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

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

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

Denumire desen / Drawing Title :

Pod km. 201+403,52 D=18.00m
Pilon ermare coloana L=20.00m
Bridge km. 201+403,52 D=18.00m
Column reinforcement plane

Codificare / Codification System				Scara / Scale 1:50	LOT / LOT	Nr. / No 01 01
EA	51	01	E	08	BC	PV	01	7	2	010	0

997x1440