



EXTRAS 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				
5	12	60	0.26		15.60		58.80
6	12	1	1.55		1.6		
7	12	1	2.85		2.9		
LUNGIMI TOTALE(m)				537.50	20.10	58.80	604.80
GREUTATE PE ml(kg/m)				0.888	0.888	2.466	3.853
GREUTATE PE DIAM.(kg)				477.30	17.90	145.00	2330.30
GREUTATE TOTALA(kg)				2970.50			
Sudura 2%(kg)				59.40			
Pierderi 5%(kg)				148.50			
GREUTATE TOTALA(kg)				3200.00			

TOTAL : 70buc. x 3200.00 kg = 224000kg

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
OB37			42.20
SUDURA			0.40

BETON - C25/30
CONCRETE - C25/30
ARMATURA - S255, S355
REINFORCING BAR - S255, S355
ACOPERIRE - 10.5cm
COVERING - 10.5cm

NOTA
1. Prezentul plan a fost intocmit in conformitate cu prevederile SR EN 1536:2011 "Executie lucrarilor geotehnice speciale. Piloti forati".
2. S-a avut in vedere planul de cofraj EA5101E15BBPV03620031, EA5101E15BBPV03620041.
3. La executie se vor respecta cu strictete prevederile din caietul de sarcini si se vor intocmi fișele 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 receptiunea lor se va face conform normativului C56-1985.
5. Dupa executarea sapaturii pentru prima coloana se va chema proiectantul geotehnician pentru confirmarea naturii terenului intalnit in stratul strabatut de coloane pana la cota -34.04m 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 EA5101E15BBPV03620031, EA5101E15BBPV03620041 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 -34.04m.

Se interzice copierea, difuzarea, imprumutarea sau utilizarea in alte scopuri, fara permisiunea Arx Lider Company ca proprietar al desenului. This drawing is forbidden to be copied, lent or used in other purposes than those previously approved by Arx Lider Company as its owner.

D					
C					
B					
A					
Indice	Data	Modificari	Proiectant	Aprobat	Aprobat
Index	Date	Modification/Revision	Designer	Approved Consultant	Approved CFR
GUVERNUL ROMANIEI ROMANIAN GOVERNMENT		PROIECT FINANȚAT DE UNIUNEA EUROPEA EUROPEAN UNION FINANCED BY			
CFR		C.N.C.F. "C.F.R." - S.A.			
CLIENT / CLIENT					
ITALFERR GRUPPO FERROVIE DELLO STATO State Railway Operator		Scot Wilson		OBERMEYER PLANEN + BERATEN GmbH	
TECNIC Consulting Engineers					
CONSULTANT / CONSULTANT					
Aprobat	Responsabil			Data	Semnatura
Approved	Subcontractant	R. Luzzi			
Aprobat	Coordonator	C. Gambelli			
Approved	Section 1				
Verificat	Expert	V. Kalidromitis			
Checked	Checking	Expert			
SUBCONTRACTANT / SUBCONTRACTOR					
Aprobat	Responsabil	A. Stancliu - Dinulescu		02.2012	
Approved	Subcontractant	Maria Campan		02.2012	
Intocmit	Proiectant				
Elaborated	Designer				
Reabilitarea liniei de cale ferata Brasov - Simeria, parte component a a coridorului IV Pan European, pentru circulația trenurilor cu viteza maximă de 160 km/h, Tronsonul : Brasov - Sighisoara					
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 - Sighisoara					
Denumire desen / Drawing Title : INTERVAL / SECTION APATA - RACOS					
Viaduct Km 212+287.73 - L=36x30.00m					
Plan armare coloana L=20.00m					
Column reinforcement plans					
Codificare / Codification System		Scara / Scale		LOT / LOT	Nr. / No
EA51		1:50		01	01/01
E A 5 1 0 1 E 1 1 B C P V 0 1 9 2 0 0 9 0					