



MASURATOAREA OTELULUI BETON NECESAR PENTRU ARMAREA RADIERULUI

Marca	Diametrul Bucatilor asambles	Partiale	Lungimi Totale				
			OB 37 #12	S 355 #12	S 345 #16	PC 52 #20	S 335 #32
1	25	36	9.50				
2	25	27	9.50				
3	25	18	3.55				
4	25	36	8.65				
5	25	18	8.60				
6	25	18	2.65				
7	16	28	11.85				
8	16	30	10.85				
9	16	24	6.10				
10	16	20	6.10				
11	16	68	2.65				
1a	16	59	2.75				
12	12	10	3.70				
13	12	10	6.85				
14	12	4	26.00				
15	20	30	6.55				
16	32	72	6.45				
Lungimi pe diametru			104.00	105.50	1268.15	196.50	1176.30
Greutate pe ml.			0.888	0.888	1.578	2.470	3.853
Greutate pe diam.			93	94	2001	485	4532
Total pe calitate			93		10044		464.40
TOTAL					10137		
Sudura 2%(kg)					203		
Pierderi 5%(kg)					507		
GREUTATE TOTALA(kg)					10500		

PENTRU 4 RADIERE: 4x10500 kg =42000 kg

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NOTA

- Prezentul plan s-a intocmit in conformitate cu planurile de cofraj EA5101E12BBPV02320031, EA5101E12BBPV02320041.
- Armarea coloanelor este cuprinsa in planul EA5101E12BCPV02320160.
- Betonul din radier se va turna prin pompare.
- La punerea in opera a betonului turnat prin pompare se vor lua toate masurile:
 - procesul de pompare sa se desfasoare continuu fara intreruperi;
 - turnarea sa se faca in 3(trei) puncte si sa dureze max 6 ore;
 - inaltimea libera de cadere a betonului sa fie de max 0.5m;
 - betonul se va turna in straturi de max. 40cm grosime, pentru a permite o buna vibrare.
 - betonul sa fie bine compactat prin vibrare.

NOTE:

- This drawing was drawn up according to the shuttering plan EA5101E12BBPV02320031;EA5101E12BBPV02320041.
- The column reinforcing can be found in drawing EA5101E12BCPV02320160.
- The concrete in the raft will be cast by pumping.
- During pumped concrete placement, all measures will be taken so that:
 - the pumping process will be continuous, without any interruption;
 - the concrete will be cast in 3 (three) points and will last max. 6 hours;
 - the free falling height of concrete will be max. 0.5m;
 - the concrete will be cast in max. 40 cm thick layers to allow good vibration;
 - the concrete will be well-compacted by vibration.

D					
C					
B					
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Index	Date	Modificari	Proiectant	Aprobat Consultant	Aprobat CFR
		Modification/Revision	Designer	Approved Consultant	Approved CFR
		GUVERNUL ROMANIEI		ROMANIAN GOVERNMENT	
		PROIECT FINANTAT DE UNIUNEA EUROPEANA		EUROPEAN UNION FINANCED PROJECT	
		CLIENT / CLIENT		C.N.C.F. "C.F.R." - S.A.	
CONSULTANT / CONSULTANT				Data	Semnatura
Aprobat	Self project	R. Liuzza			
Approved	Project manager				
Aprobat	Coordonator Sectiune 1	C. Gambelli			
Approved	Section 1 Coordinator				
Verificat	Expert Chie	V. Kallidromitis			
Checked	Checking Expert				
SUBCONTRACTANT / SUBCONTRACTOR					
Aprobat	Responsabil Subconsultant	A.Stanciu - Dinulescu		02.2012	
Approved	Subconsultant Responsible				
Intocmit	Proiectant	Ioan Rentea		03.2012	
Elaborated	Designer				
Reabilitarea liniei de cale ferata Brasov - Simeria, parte component a a coridorului IV Pan European, pentru circulatia trenurilor cu viteza maxima de 160 km/h, Tronsoanel: 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		Proiect/Project 2004/RO/16/PPA/003	
Denumire desen / Drawing Title :		Interval / Section RACOS-CATA		Faza / Phase:	
		Viaduct km.232+366.738 L=413.70m		D.E. / E.D.	
		Plan armare radier			
		Plan for raft reinforcement			
Codificare / Codification System		Scara / Scale	LOT / LOT	Nr. / No	01 / 01
EA51 01 E 12 BC PV 02 3 2 017 0		1:20			