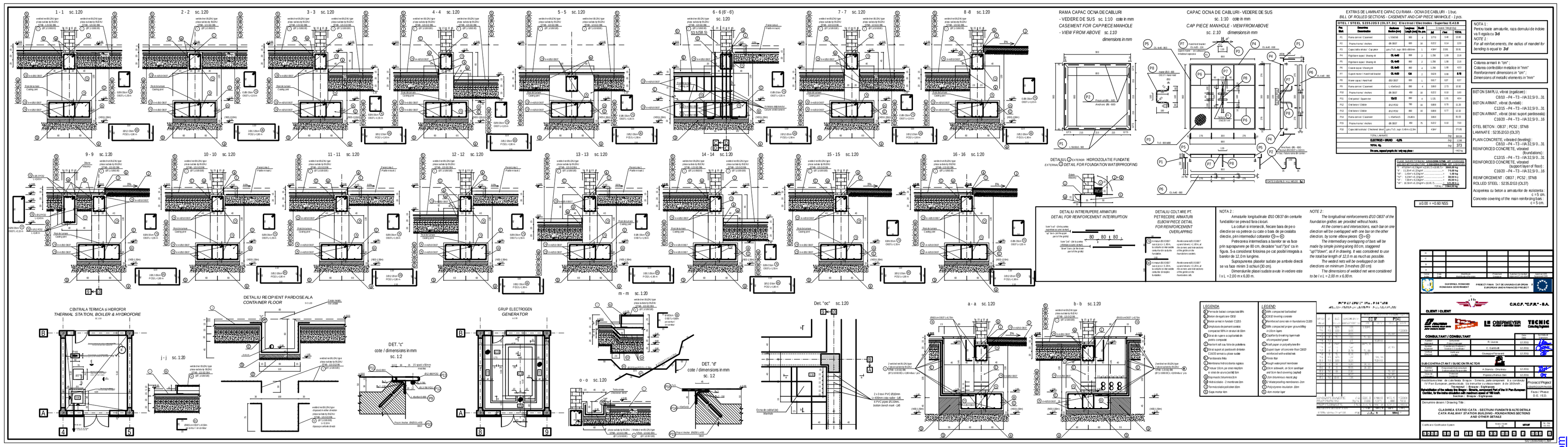

EXTRAS DE LA MINATE CAPAC CU RAMA - OCNA DE CABLURI - 1 buc.
BILL OF ROLLED SECTIONS - CASEMENT AND CAP PIECE MANHOLE - 1 pcs.

Poz. Mark	Denumire Description	Dimensiune Dimension [mm]	Lungime Length [mm]	Nr.buc Pieces	Greutate Weight [kg]		
					Ud	Total	TOTAL
P1	Rama cercar / Casement	L 100x100	380	4	8710	34.84	139.40
P2	Prag turnat / Anfeies	d8-OB37	600	12	0.222	2.664	2.24
P3	Capac cablu stradar / Cap piece	pn1.7x1; sapi 8h1=8h1mm	1	43kN/m²	3.026	30.26	
P4	Pazitare aripa / Drawing 4b	OL-4x40	900	2	1.296	1.08	2.16
P5	Pazitare aripa / Drawing 4b	OL-4x40	860	2	1.296	1.08	2.16
P6	Cheie aripa / Drawing 4b	OL-4x40	550	4	1.296	1.08	4.32
P7	Suport teava / Handrail bracket	OL-4x32	130	8	0.615	0.49	3.92
P8	Mana capac / Hand nut	Ø10 OB37	600	1	0.617	0.37	0.37
P9	Rama cercar / Casement	L 45x45x5	860	2	3.863	2.73	10.92
P10	Prag turnat / Anfeies	d8-OB37	400	16	0.222	0.18	3.55
P11	Inel pentru / Square iron	12x12	300	4	1.131	1.13	4.54
P12	Dinte lacat / Dibble	Ø12 RC52	750	16	0.666	0.75	12.00
P13	Dinte lacat / Dibble	Ø12 RC52	800	16	0.666	0.77	12.32
P14	Rama cercar / Casement	L 45x45x5	3140+5	1	3.863		12.15
P15	Prag turnat / Anfeies	d8-OB37	450	75	0.222	0.10	7.50
P16	Capac de vizitare / Checked lined	pn1.7x1; sapi 8.4h=1.12m		43kN/m²			27.06
	TOTAL L 100x100					kg	39.06
	ELECTROD + SRUND - 4,0%					kg	1.56
	TOTAL Kg					kg	373
	De unu, capacul pesat de cel ~cel mai pesat :						140 kg

CANTITATI TOTALE / TOTAL VOLUMES [m³]	
Volumul total de betoane / Total concrete volume	
"a" 0,20m x 1,20m x 2,00m	0,48 m³
"b" 0,20m x 0,20m x 0,20m	0,008 m³
"c" 0,20m x 0,20m x 0,20m	0,008 m³
"d" 0,20m x 0,20m x 0,20m	0,008 m³
"e" 0,20m x 0,20m x 0,20m	0,008 m³
"f" 0,20m x 0,20m x 0,20m	0,008 m³
"g" 0,20m x 0,20m x 0,20m	0,008 m³
TOTAL VOLUME [m³]	0,560 m³

±0.00 = +0.60 NGS

NOTA 1 :
Pentru toate armaturile, raza domului de indoire va fi egala cu **3d**
NOTE 1 :
For all reinforcements, the radius of mandrel for bending is equal to ***3d***

Cotarea armari in "cm" ;
Cotarea confectiilor metalice in "mm"
Reinforcement dimensions in "cm";
Dimensions of metallic elements in "mm"

BETON SIMPLU, vibrat (egalizare):
C8/10 – P4 – T3 – IA 32,5/ 0 , 31
BETON ARMAT , vibrat (fundatii) :
C12/15 – P4 – T3 – IA 32,5/ 0 , 31
BETON ARMAT , vibrat (strat suport pardoseala):
C16/20 – P4 – T3 – IA 32,5/ 0 , 16
OTEL BETON : OB37 , PC52 ; STNB
LAMINATE : S235JR2G1 (OL37)
PLAIN CONCRETE, vibrated (levelling) :
C8/10 – P4 – T3 – IA 32,5/ 0 , 31
REINFORCED CONCRETE, vibrated (foundations) :
C12/15 – P4 – T3 – IA 32,5/ 0 , 31
REINFORCED CONCRETE, vibrated (support layer of floor) :
C16/20 – P4 – T3 – IA 32,5/ 0 , 16
REINFORCEMENT : OB37 , PC52 ; STNB
ROLLED STEEL : S235JR2G1 (OL37)
Acoperirea cu beton a armaturilor de rezistenta :
c = 5 cm.
Concrete covering of the main reinforcing bars :
c = 5 cm.

NOTA 2 :
Armaturile longitudinale Ø10 OB37 din centurile fundatiilor se prevad fara cioc.
La colturi si intersectii, fiecare bara de pe o directie se va petrece cu cate o bara de pe cealalta directie, prin intermediul cotanelor Ⓟ÷Ⓠ
Petrecerea intermediara a barelor se va face prin suprapunere pe 80 cm, decalate "sus"/"jos" ca in figura. S-a considerat folosirea pe cat posibil integrala a barelor de 12.0 m lungime.
Suprapunerea plaselor sudate pe ambele directii se va face minim 3 ochiuri (30 cm).
Dimensiunile plaselor sudate avute in vedere este l x L = 2.00 m x 6.00 m.

NOTE 2 :
The longitudinal reinforcements Ø10 OB37 of the foundation grafes are provided without hooks.
At the corners and intersections, each bar on one direction will be overlapped with one bar on the other direction, by some elbow pieces Ⓟ÷Ⓠ
The intermediay overlapping of bars will be made by simple joining along 80 cm, staggered "up"/"down", as it in drawing. It was considered to use the total bar length of 12.0 m as much as possible.
The welded nets will be overlapped on both directions on minimum 3 meshes (30 cm).
The dimensions of welded net were considered to be l x L = 2.00 m x 6.00 m.

LEGENDA
1. Pernaie de balast compactata 98%
2. Strat de egalizare C8/10
3. Plasa armat in fundatii C12/15
4. Pardoseala de pamant uzinata compactat 98% in straturi de 30cm
5. Zona de supra a acoperiantei de beton compacta
6. Bara fe netf sau folie de polietilena
7. Strat suport al pardoselii drenant C16/20 armat cu plase sudate
8. Hidroizolatia fetei
9. Membrana hidroizolanta lugaua
10. Protector 10cm, pe vertiala executat in strat de uzura (acelaf fel)
11. Dispozitiv bituminos 2cm
12. Hidroizolatie - 2 membrane 4cm
13. Membrana bitumenoplastomer 30cm
14. Suja mortar 4cm

LEGEND
1. 98% compacted ballastbed
2. C8/10 leveling concrete
3. Reinforced concrete in foundations C12/15
4. 98% compacted proper ground filling in 30cm layers
5. Cast by breaking type roofs of compacted gravel
6. Kraft paper or polyethylene film
7. Drainer layer of concrete floor C16/10 reinforced with welded nets
8. Waterproofing
9. Rough waterproof membrane
10. 10cm sidewalk, on 5cm sandbyer and 5cm hard covering (asphalt)
11. 2cm bituminous mastic plug
12. Waterproofing membranes-2cm
13. Polycyclene insulation 30cm
14. 4cm mortar layer

Nr. crt.	Data	Semnatura	Nr. crt.	Data	Semnatura
1			6		
2			7		
3			8		
4			9		
5			10		

EUROPEAN UNION
ROMANIAN GOVERNMENT
PROJECT PAN TIR DE UNGARIA-ELIR OPRIM
EUROPEAN UNION FINANCED PROJECT

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

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Reabilitarea linei de cale ferata Brasov - Simeria, parte componenta a a coridorului IV Paneuropean - Sectiunea de cale ferata Brasov - Simeria, lot 3 - Podul de la Ungheni - Brasov - Coplean
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 - Coplean

Denumirea desenului / Drawing Title :

CLADIREA STATIEI CATA - SECTIUNI FUNDATII SI ALTE DETALII
CATA RAILWAY STATION BUILDING - FOUNDATIONS SECTIONS AND OTHER DETAILS

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

Cod Beneficiar / Codification System

Scara / Scale : 1:20

Data / Date : MAR

Nr. Pag. / Sheet No. : 1 / 1

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