



MASURATOAREA MATERIALULUI METALIC NECESAR  
PENTRU PARAPETUL UNUI TABLIER DE CALE FERATA SIMPLA  
MEASUREMENT FOR THE METALLIC MATERIAL REQUIRED FOR  
THE HANDRAIL OF A SINGLE TRACK RAILWAY BRIDGE DECK

POZ. / POS.	DENUMIREA PIESEI / PIECE DESCRIPTION	SECTIUNE / SECTION (mm.x mm.x mm)	LUNGIMI / LENGTHS (mm.)	BUC. / PCS.	GREUTATI / WEIGHT (kg.) Kg./m. / Kg./buc. / Kg./poz.	MATERIALE / MATERIALS	
P6	Teava dreptunghiulara / Hollow profile	80x40x4	75	2	7.03 / 0.53 / 1.10	S235 (OLT 32)	
P7	Teava dreptunghiulara / Hollow profile	50x30x4	75	2	4.52 / 0.34 / 0.70		
P8	Teava dreptunghiulara / Hollow profile	90x50x3,2	5495	2	6.71 / 36.87 / 73.75		
P9	Teava dreptunghiulara / Hollow profile	90x50x3,2	5000	4	6.71 / 33.55 / 134.20		
P10	Teava patrata / Hollow profile	70x70x4	910	21	8.29 / 7.54 / 158.35		
P11	Teava dreptunghiulara / Hollow profile	60x40x4	460	2	5.78 / 2.65 / 5.50		
P12	Teava dreptunghiulara / Hollow profile	60x40x4	1430	20	5.78 / 8.26 / 165.20		
P13	Placa de baza / Baseplate	200x20	200	21	31.40 / 6.28 / 56.50		S235J2+N (OL37-4k)
	Suruburi M16 / Bolts M16	ø16	130	84	- / 0.231 / 19.40		
	Piulițe M16 / Nuts M16	-	168	-	0.031 / 5.20		
	Saibe / Washers	-	84	-	0.011 / 0.95		
GREUTATE PARAPET/HANDRAIL WEIGHT					620.85Kg.		
SPOR PENTRU SUDURA 3%/WELDING INCREASE 3%					19.15Kg.		
GREUTATE TOTALA PARAPET PENTRU UN TABLIER					640.00Kg.		
TOTAL HANDRAIL WEIGHT FOR ONE DECK							

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Indice / Index	Data / Date	Modificari / Modifications	Proiectant / Designer	Approbat / Approved	Consultant / Consultant	Approbat CFR / Approved CFR



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



Consultant / Consultant	Date / Date	Servituri / Services
Approved / Approved		
Approved / Approved		
Verified / Verified		
Checked / Checked		

Subcontractant / Subcontractor	Date / Date	Servituri / Services
Approved / Approved		
Inscris / Inscris		
Elaborat / Elaborat		

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, 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

Denumire desen / Drawing Title :  
PLAN TIP - DETALII PARAPET TABLIER  
STANDAR PLAN - DETAILS DECK PARAPET

Codificare / Codification System	Scara / Scale	LOT / LOT	Nr. / No
E A 5 1 0 1 E 0 0 B C P V 0 0 0 0 0 0 5 0	1:10		01 / 01

PROTECTIA ANTICOROZIVA  
Protectia anticoroziva a parapetului metallic se va face prin galvanizare profunda executata la cald cu o grosime a stratului de zinc de min. 80µm grosime si doua straturi de invelis poliuretanic, de 80µm fiecare, primul aplicat in uzina, iar al doilea pe santier, dupa instalarea pe pozitia definitiva.  
Pregatirea suprafetelor metalice in vederea aplicarii procedeelor de protectie anticoroziva se face prin:  
-Perierea de ruzina cu ajutorul unor perii de sarma.  
-Spalarea suprafetelor metalice:  
-Degresarea cu solventi organici prin stergere sau cu emulsii.  
-Dupa degresare se spala cu jet de apa pentru indepartarea urmelor de detergent. Solutia pentru degresare va fi aleasa astfel incat sa nu afecteze mediul.  
Curatarea suprafetelor prin sablare nu este rentabila, suprafata fiind mai mica de 20m².  
Curatarea se va face conform gradului SA 2 din STAS 1066/1-77

PROTECTED AGAINST CORROSION  
The metallic parapet will be protected against corrosion by deep hot galvanization with zinc layer thickness min. 80µm, and two polyurethane layers, each of 80µm thickness. The first layer is applied in the factory and the second layer is applied on site, after placing in the final position.  
Preparing the metallic surfaces in order to apply the corrosion-proof procedures shall be made by:  
-Rust removal using wire brushes.  
-Washing the metallic surfaces.  
-Organic solvent degreasing by wiping or using emulsions.  
-After degreasing, the surface is washed by water jet to eliminate the detergent stains. The solution selected for degreasing shall not affect the environment.  
Cleaning the surfaces by sanding is not profitable, the surface being smaller 20m².  
The cleaning is made according to the SA 2 1/2 degree according to STAS 10166/1-77.