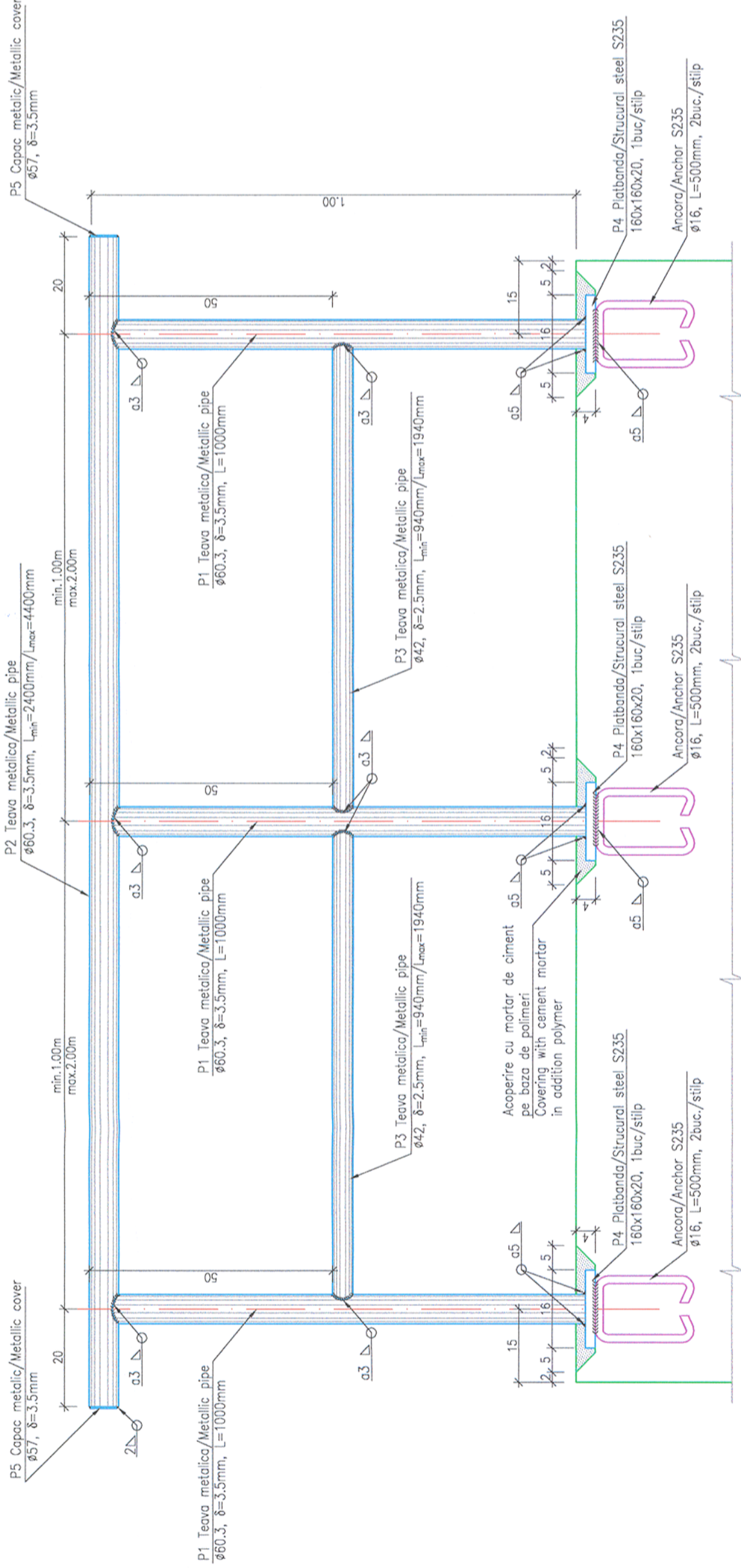


DETALIU PENTRU FIXAREA PARAPETULUI IN BETONUL NOU
FIXING THE HAND RAIL POLE IN THE NEW CONCRETE



NOTE:

- Ancorele cu placute metalice se monteaza inainte de turnarea betonului.
 - Stalpii se sudeaza la minim 7zile de la fixarea placutei in beton.
 - Dupa sudarea stalpilor pe placute, acestea se vor acoperi cu mortar de ciment.
 - Pe toate piesele metalice se va aplica o protectie anticoroziva. Tehnologia de aplicare va respecta Ordinul MLPAT nr. 52/N/1998 "Ghid de proiectare, executie si exploatare privind protectia impotriva coroziunii a constructiilor metalice."
- NOTE:
- The anchors with the metallic plate have to be mounted before casting the concrete.
 - The poles shall be welded at minimum 7 days after fixing the plate into the concrete.
 - After welding the poles on the plates, all these shall be cover with cement mortar.
 - Will be applied anti-corrosive protection on all metallic pieces. The technology for applying anti-corrosive protection will respect the Order MLPAT no. 52/N/1998 "Guide for provision, execution and exploitation concerning the protection against corrosion for the buildings made of steel."

Sistemul de protectie anticoroziv se compune din 3 straturi, conform Caietului de Sarcini:
- stratul primar sau grundul (min. 50µm);
- stratul intermediar (min. 50µm);
- stratul de finisare (min. 75µm).

The protection system is composed by 3 layers, according to the Technical Specifications:
- primary layer or the flat coat (min. 50µm);
- intermediary layer (min. 50µm);
- finishing layer (min. 75µm).

EXTRAS DE MATERIAL METALICPENTRU PARAPET L_{min}=2.00m
MATERIAL METALLIC TABLE FOR HANDRAIL L_{min}=2.00m

NR. /NO	DENUMIRE REPER/PIECE NAME	SECTIUNEA/ SECTION mm	L mm	BUC. /PCS.	GREUTATE/WEIGHT		
					/m	/buc/pcs	S235
					kg	kg	kg
1	Teava metalica /Metallic pipe	60.3x3.5	1000	3	4.903	4.903	14.708
2	Teava metalica /Metallic pipe	60.3x3.5	2400	1	4.903	11.766	11.766
3	Teava metalica /Metallic pipe	42x2.5	940	2	2.435	2.289	4.578
4	Capac metalic /Metallic cover	56	3.5	2	19.335	0.068	0.135
5	Platbanda /Tie plate	160x20	160	3	25.120	4.019	12.058
6	Ancora /Anchor	16	500	6	1.578	0.789	4.735
Greutate pe tipuri de otel (kg) Weight on type of steel (kg)							
3% sudura, suruburi etc. (kg) 3% welding, screws etc. (kg)							
Greutate totala pe tipuri de otel (kg) Total weight on type of steel (kg)							
Greutate totala (kg) Total weight (kg)							
47.981							
1.439							
50							
50							

EXTRAS DE MATERIAL METALICPENTRU PARAPET L_{max}=4.00m
MATERIAL METALLIC TABLE FOR HANDRAIL L_{max}=4.00m

NR. /NO	DENUMIRE REPER/PIECE NAME	SECTIUNEA/ SECTION mm	L mm	BUC. /PCS.	GREUTATE/WEIGHT		
					/m	/buc/pcs	S235
					kg	kg	kg
1	Teava metalica /Metallic pipe	60.3x3.5	1000	3	4.903	4.903	14.708
2	Teava metalica /Metallic pipe	60.3x3.5	4400	1	4.903	21.572	21.572
3	Teava metalica /Metallic pipe	42x2.5	1940	2	2.435	4.725	9.449
4	Capac metalic /Metallic cover	57	3.5	2	20.031	0.070	0.140
5	Platbanda /Tie plate	160x20	160	3	25.120	4.019	12.058
6	Ancora /Anchor	16	500	6	1.578	0.789	4.735
Greutate pe tipuri de otel (kg) Weight on type of steel (kg)							
3% sudura, suruburi etc. (kg) 3% welding, screws etc. (kg)							
Greutate totala pe tipuri de otel (kg) Total weight on type of steel (kg)							
Greutate totala (kg) Total weight (kg)							
62.662							
1.880							
65							
65							

Prezentul plan anuleaza si inlocuieste versiunea anterioara
This plan cancels and replaces previous version



Verificator / Expert Checker / Expert

Cerinta Requirement

Semnatura Signature

Referat / Expertiza Report / Expertise

European Investment Bank

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY :

CFR

COMPANIA NAȚIONALĂ DE CĂI FERATE "CFR" SA

PROIECTANT / DESIGNER:

PÖYRY

Aprobat Approved	Sef de echipa Team leader	C. Teodorescu	Data Date	01.2013	Semnatura Signature	
Verificat Checked	Expert Cheie Key Expert	R. Tudorascu		01.2013		
Subcontractant / Subcontractor						
VIOTOP						
Aprobat Approved	Adjunct Sef de echipa Deputy Team leader	A.M. Baicu		01.2013		
Proiectat Designed	Inginer Engineer	F. Ioanidi		01.2013		

"Reabilitarea liniei c.f. Frontiera - Curtici - Simeria, parte componentă a coridorului IV Pan - European pentru circulația trenurilor cu viteză maximă de 160 km/h"

"Rehabilitation of the Railway Line Border - Curtici - Simeria, component Part of the IV Pan - European Corridor for the Trains Circulation with maximum speed of 160 km/h"

Section 2 : km 614 - Gurasada

Denumire desen / Drawing name:
Detailu parapet metallic
Detail for metallic handrail

Scara / Scale 1:20

Revizia / Revision 1/05.2013

Cod desen / Drawing Code PT.02.02.00.PO.003

Nr / No 03