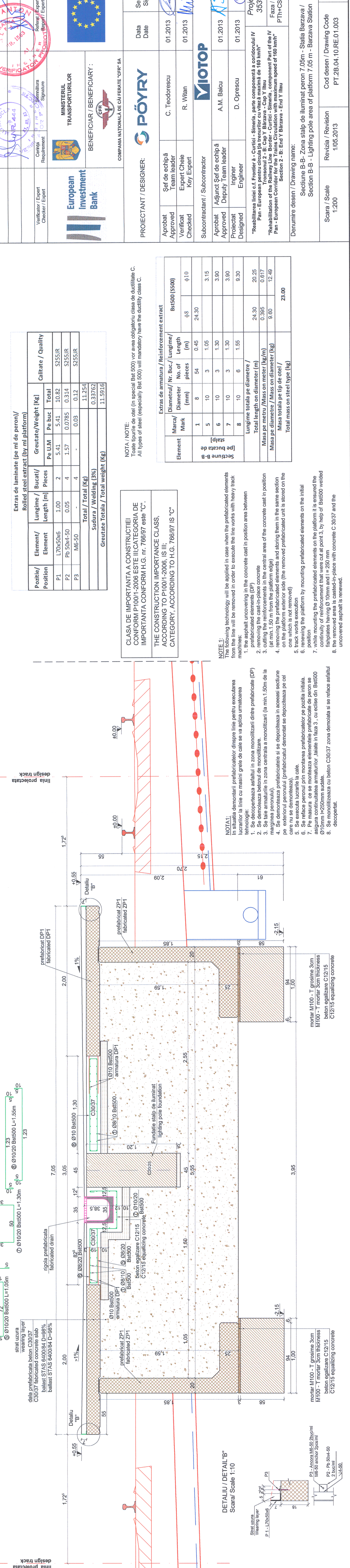


**MATERIALE:**  
 Beton de egalizare C12/15 CEM III/A-S 32.5 N ; sort 0-31; A/C : 0.75 ;  
 Beton armat de monolitizare C30/37 CEM III/A-S 42.5 N; sort 0-16; A/C : 0.55;  
 Beton armat de monolitizare C20/25 CEM III/A-S 42.5 N; sort 0-16; A/C : 0.55;  
 Mortar M100-T  
 Armatura Bst500  
 Clasa de expunere: XC4 , XD3 , XF4

**MATERIALS:**  
 Equalization concrete C12/15 CEM III/A-S 32.5 N ; sort 0-31; A/C : 0.75 ;  
 Reinforced concrete C30/37 CEM III/A-S 42.5 N; sort 0-16; A/C : 0.55;  
 Reinforced concrete C20/25 CEM III/A-S 42.5 N; sort 0-16; A/C : 0.55;  
 Mortar M100-T  
 Reinforcement Bst500  
 Exposure class: XC4 , XD3 , XF4



**ACEST PLAN ANULEAZA SI INLOCUIESTE PLANUL NR. PT.02.04.10.RE.01.003 ELABORAT LA DATA 01.2013.**

**THIS LAYOUT PLAN CANCELED AND REPLACED LAYOUT PLAN NO. PT.02.04.10.RE.01.003 PREPARED ON 01.2013.**

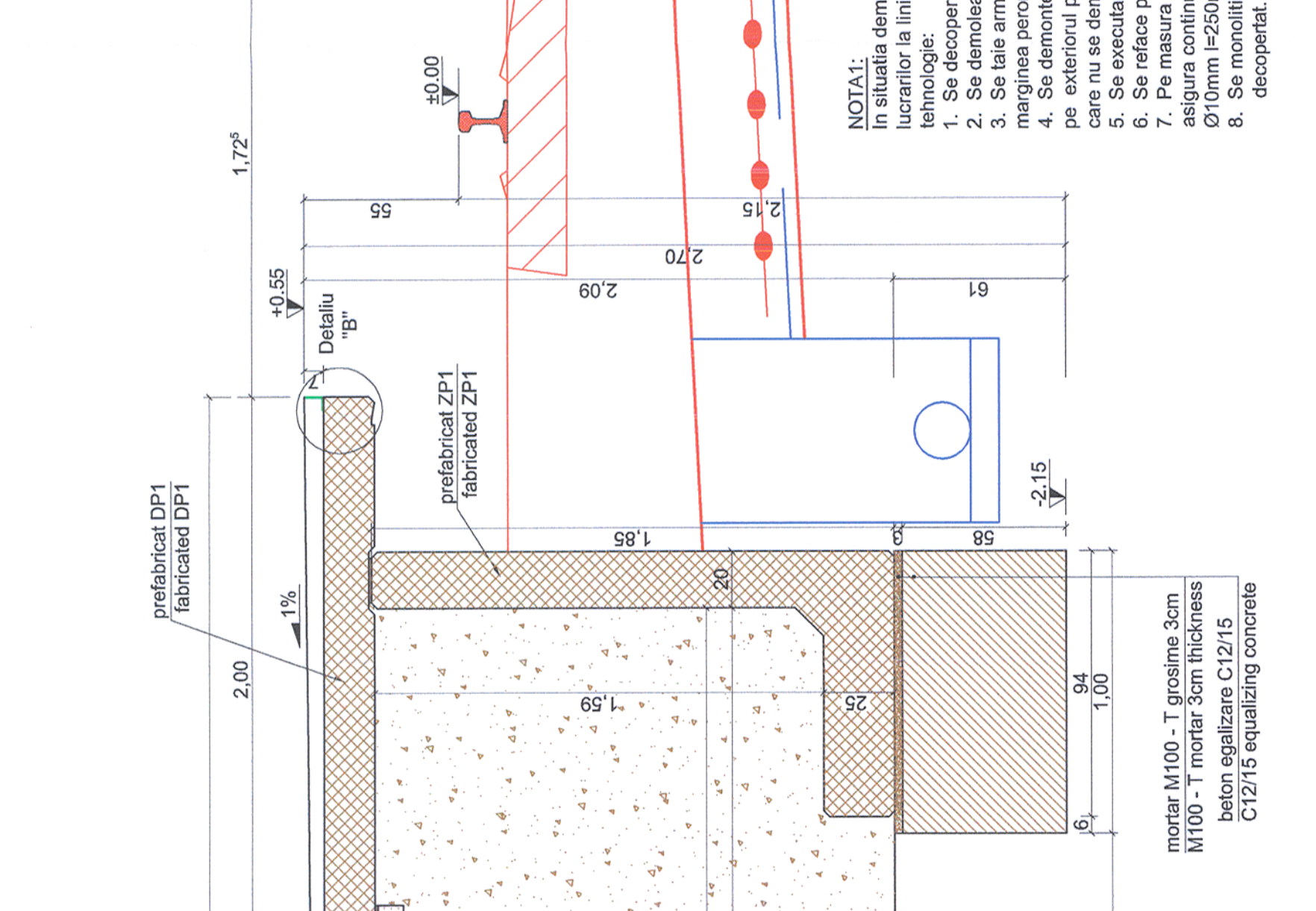
Verificator / Expert Checker / Expert	Cerinta / Requirement Requirement		
PROIECTANT / DESIGNER:		COMPANIA NATIONALA DE CAI FERATE "CFR" SA	
Aprobat / Approved Verificat / Checked Subcontractant / Subcontractor	Șef de echipă / Team leader Expert Cheie / Key Expert	C. Teodorescu R. Witan	Data / Date 01.2013 01.2013
Sennatura / Signature			
Sennatura / Signature			
Sennatura / Signature		Sennatura / Signature	
Sennatura / Signature		Sennatura / Signature	

Element	Marca / Mark	Diametru / Diameter (mm)	Nr. Buc. / No. of pieces	Lungime / Length (m)	Extras de armatura / Reinforcement extract		
					Bst500 (5000)	φ10	
[pe bucata de stalp]	1	8	54	0.45	24.30		
	5	10	3	1.05		3.15	
	6	10	3	1.30		3.90	
	7	10	3	1.30		3.90	
Sectiune B-B	8	10	6	1.55		9.30	
	Lungime totala pe diametre / Total length on diameter (m)					24.30	20.25
	Masa pe metru / Mass on meter (kg/m)					0.395	0.617
Masa pe diametre / Mass on diameter (kg)					9.60	12.49	
Masa totala pe tip de otel / Total mass on steel type (kg)						23.00	

Pozitie / Position	Element / Element	Lungime / Length (m)	Bucati / Pieces	Greutate / Weight [Kg]		Calitate / Quality
				Pe U.M	Total	
P1	L70x50x6	1.00	2	5.41	10.82	S255JR
P2	Pb 50x4-50	0.05	4	1.57	0.785	S255JR
P3	M6-50	-	4	-	0.12	S255JR
Total / Total (Kg)					11.254	
Sudura / Welding (3%)					0.33762	
Greutate Totala / Total weight (Kg)					11.5916	

**CLASA DE IMPORTANTA A CONSTRUCTIEI CONFORM P100/1-2006 ESTE III; CATEGORIA DE IMPORTANTA CONFORM H.G. nr. 766/97 ESTE "C".**

**THE CONSTRUCTION IMPORTANCE CLASS, ACCORDING TO P100/1-2006, IS III; CATEGORY, ACCORDING TO H.G. 766/97 IS "C".**



**NOTA / NOTE:**  
 Toate tipurile de otel (in special Bst 500) vor avea obligatoriu clasa de ductilitate C.  
 All types of steel (especially Bst 500) will mandatory have the ductility class C.