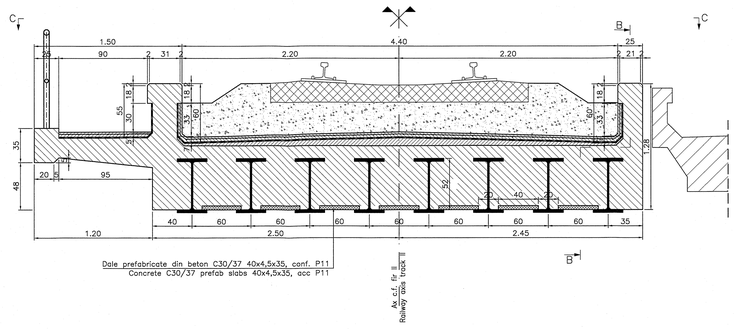
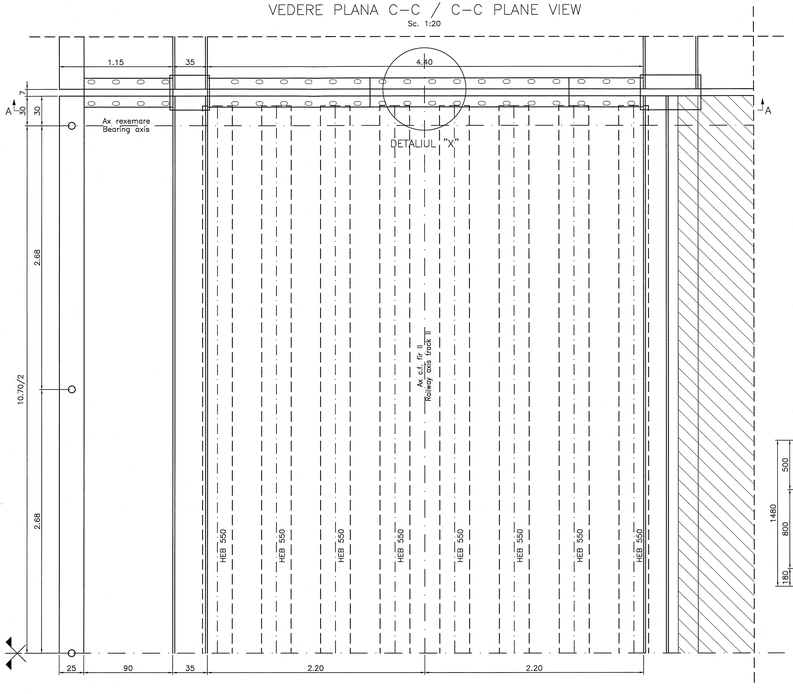
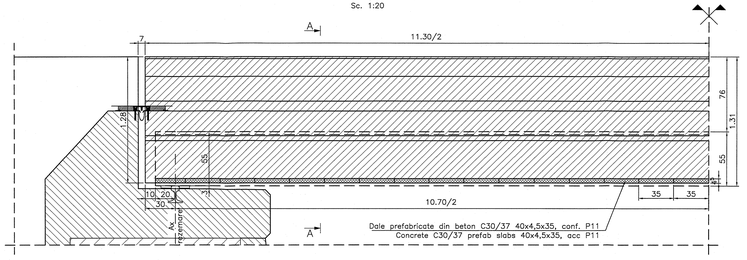
SECTIUNE TRANSVERSALA A–A / A–A CROSS SECTION
Sc. 1:20



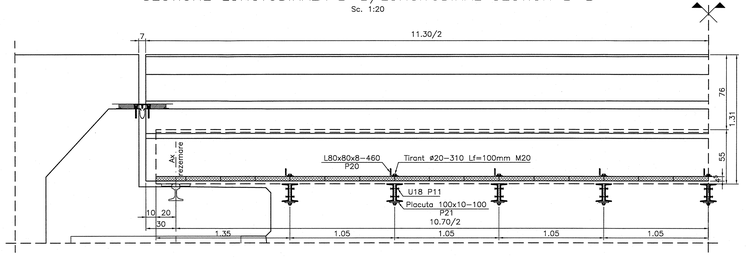
VEDERE PLANA C–C / C–C PLANE VIEW
Sc. 1:20



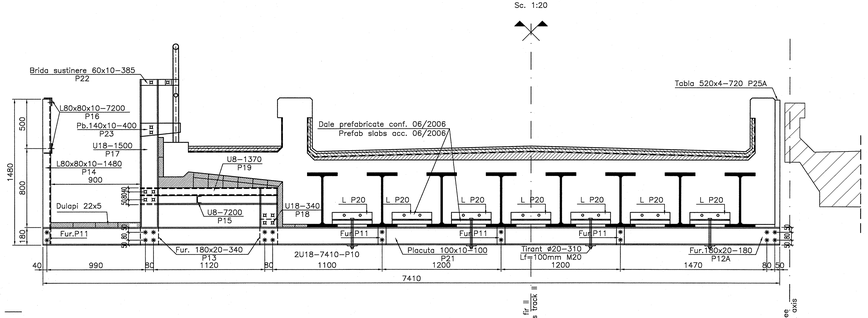
SECTIUNE LONGTUDINALA B–B/LONGITUDINAL SECTION B–B
Sc. 1:20



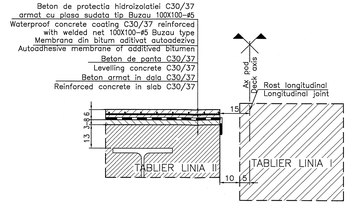
SUSTINERE COFRAJ/SUSPENDED SHUTTERING
SECTIUNE LONGTUDINALA B–B/LONGITUDINAL SECTION B–B
Sc. 1:20



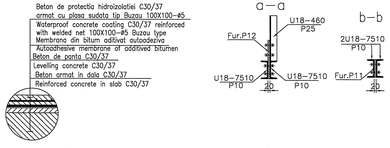
SECTIUNE TRANSVERSALA TABLIER FIR II/CROSS SECTION DECK TRACKS II
Sc. 1:20



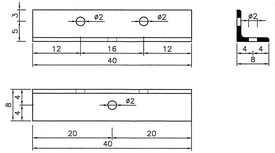
DETALIU ROST LONGITUDINAL
LONGITUDINAL JOINT DETAIL
Sc. 1:10



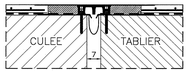
DETALIUL "A"/"A" DETAIL
Sc. 1:10



DETALII DEBITARE PIESA P20
DETAILS OF CUTTING PIECE P20
Sc. 1:5



DETALIUL "X"/"X" DETAIL
Sc. 1:10



MASURATOARE MATERIAL METALIC NECESAR COFRARII TABLIERE FIR II
NECESSARY METALLIC MATERIAL IN SHUTTERING FOR THE DECKS ON TRACKS II

POZ	DENUMIREA PIESEI	BUC	SECTIUNE (mm)	LUNGIMI (mm)	GREUTATI		
					kg/m	kg/buc	OL37-2n
10	Reazem transversal	12	U18	7410	22.00	163.02	1956.24
11	Furura	24	80x20	180	12.56	2.26	54.26
12	Furura	6	180x20	390	28.26	11.02	66.13
13	Furura	12	180x20	340	28.26	9.61	115.30
14	Stalp parapet	6	L80x80x10	1480	11.90	17.61	105.67
15	Longrina	1	U8	7200	8.64	62.21	62.21
16	Mana crt.+umplut.	2	L80x80x10	7200	11.90	85.68	171.36
17	Sprijiniri verticale	6	U18	1500	22.00	33.00	198.00
18	Sprijiniri verticale	6	U18	340	22.00	7.48	44.88
19	Suport podina	6	U8	1380	8.64	11.92	71.54
20	Susutineri reazema	42	L80x80x8	400	9.63	3.85	161.78
21	Placuta-saiba tirant	42	100x10	100	7.85	0.79	32.97
22	Brida sust. parapet	6	60x10	385	4.71	1.81	10.88
23	Pb.sustinere stalp	6	160x10	400	12.56	5.02	30.14
24	Furura	6	160x20	180	25.12	4.52	27.13
25	Sprijinire vert.	6	U18	520	22.00	11.44	68.64
TOTAL PE TIPURI DE OTEL (kg)							
Suruburi (3%) (kg)							
TOTAL (kg)							3177.14

NOTA
1. Prezentul plan s–a intocmit pe baza dispozitiei generale 02/2009.
2. Dalele se vor cofra, turna si betona in amplasament.
3. Grinzile metalice se vor aseza pe reazeme continue aflate la acelasi nivel.
4. Parapetul se monteaza pe pozitie inainte de turnarea betonului.
5. La executia lucrarilor se vor respecta cu strictete prevederile din NE 012–1999 "Cod de practica pentru executarea lucrarilor din beton, beton armat si beton precomprimat"
6. Verificarea calitatii lucrarilor si receptia lor se va face conform prevederilor Normativului C56–85.

NOTE
1. This drawing has been drawn on the basis of the General layout 02/2009.
2. The slabs will be built in place.
3. The metallic beams will be laid on the continuos bearings placed at the same level.
4. The railing will be mounted before concrete casting.
5. The provisions in N.E. 012–99 will be strictly observed during the execution stage: "Regulation for carrying out the works in concrete, in reinforced concrete and in pre–stressed concrete".
6. Verifying the quality of the works and their acceptance will be carried out according with Norm C56–85.

Tirant ØB37 ø20–260 Lf=100mm M20: 42 buc

OBS.
Montarea predalelor pe talpa inferioara a grinzilor metalice se realizeaza astfel:
– se aplica un strat subtire de bitum cald
– se aseaza joantiv predalele pe stratul de bitum cald
– se mateaza cu mortar rosturile dintre predale
Montarea predalelor se va face concomitent cu montarea elementelor de sustinere ale cofrajului pentru consolele dalei.

Tirant ØB37 ø20–260 Lf=100mm M20: 42 buc

OBS.
The mounting of the prefab slabs on the inferior plate of the metallic beams will be carried out as follows:
– one thin layer of hot bitumen
– the prefab slabs are laid one after another on the hot bitumen
– filling up with mortar the joints between the slabs
The mounting of the prefab slabs will be done simultaneously with the mounting of the suspended shuttering.

CERINTE DE DURABILITATE
BETON ARMAT IN TABLIER
C30/37; A/C=0,45 S2; G150; Ciment CEM I 42,5; 0÷31mm; clasa de expunere XF3+XC3, Permeabilitate P^{72}_{10}

BETON ARMAT PROTECTIE HIDROIZOLATIE
C.30/37; clasa de expunere XF3+XC3; A/C=0.45; agregat 0÷16mm; Ciment CEM I–42.5R; consistenta S3.

DURABILITY REQUIREMENTS
REINFORCED CONCRETE IN DECK
C30/37; A/C=0,45 S2; G150; Cement CEM I 42,5N; 0÷16mm; exposure class XF3+XC3, Permeability P^{72}_{10}

REINFORCEMENT CONCRETE FOR WATERPROOFING
.30/37; exposure class XF3+XC3; A/C=0.45; aggregates 0÷16mm; Cement CEM I–42.5R; slump S3.

LEGENDA SURUBURILOR
Surub M16
Surub M20

ASAMBLARE
Suruburi cu cap hexagonal SR EN ISO 4017:2002
Piulite cu cap hexagonal SR EN ISO 4032:2002

MATERIALE
Cheresteа rasinoase SR EN 1313–1+A1:2001
Cheresteа fag STAS 1961/1980
OL37–2n elemente sustinere cofraj (SREN 10056–1:2000)

VOLUM BETON/CONCRETE VOLUME: 43.30m^3
COFRAJ/SHUTTERING: 75.00m^2

CONVOIUL DE CALCUL LM71

B					
A					
	Data / Date	Modificare / Modification / Revision			
BENEFICIAR / BENEFICIARY: ROMANIAN RAILWAY NATIONAL COMPANY		AUTORITATEA DE IMPLEMENTARE / IMPLEMENTING AUTHORITY: Ministerul Transporturilor / Ministry of Transports	AUTORITATEA CONTRACTANTA / CONTRACTING AUTHORITY: Ministerul Economiei si Finantelor Oficiul de Plati si Contractare Phare / Ministry of Economy and Finances Phare Payments &Contracting Office	CFCU	Contract / Contract 2003/007
			Proiect finantat din Fondul de Coeziune prin Programul Operational Sectorial Transport 2007–2013 / Project financed from the Cohesion Fund through the Sectorial Operational Programme Transports 2007–2013	POS Transport	Foaie / Sheet / Planşă / Plate
			Proiect finantat de UNIUNEA EUROPEANA / Project financed by EUROPEAN UNION		
Intocmit / Designed	Ing.Liviu Bucur	Scara / Scale: 1:20 1:10	PORTOFOLIUL DE PROIECTE PHARE CES 2003 / PHARE CES 2003 PROJECTS PORTFOLIO LOT 1 Asistenta tehnica pentru pregatirea unor lucrari de reabilitare pentru tuneluri si poduri de cale ferata / Technical assistance for preparing rehabilitation works required by railway tunnels and bridges		
Verificat / Checked	Ing. Bogdan Sandu	Data / Date: MAI 2009 MAY 2009	Beneficiar / Beneficiary: Directia Infrastructura Feroviara / Railway Infrastructure Directorate	Coala / Sheet No.	Nr. / No.
Sef echipa / Team leader	Ing. Stelian Vara-Oros		Obiectul / Object: Pod / Bridge Km 21+880 COFRAJ TABLIER /DECK SHUTTERING	PO 15	07