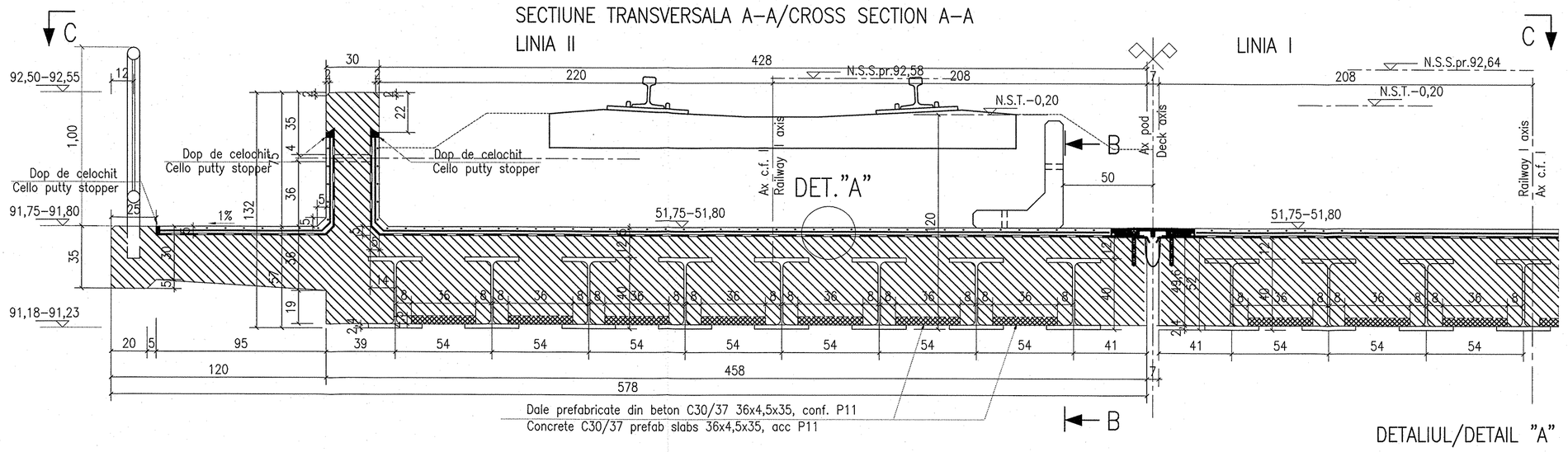
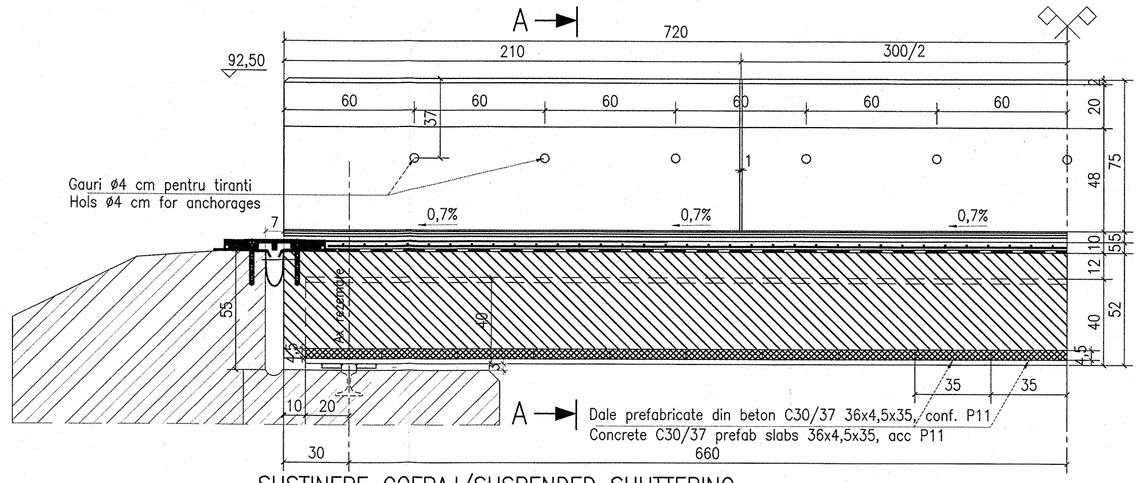
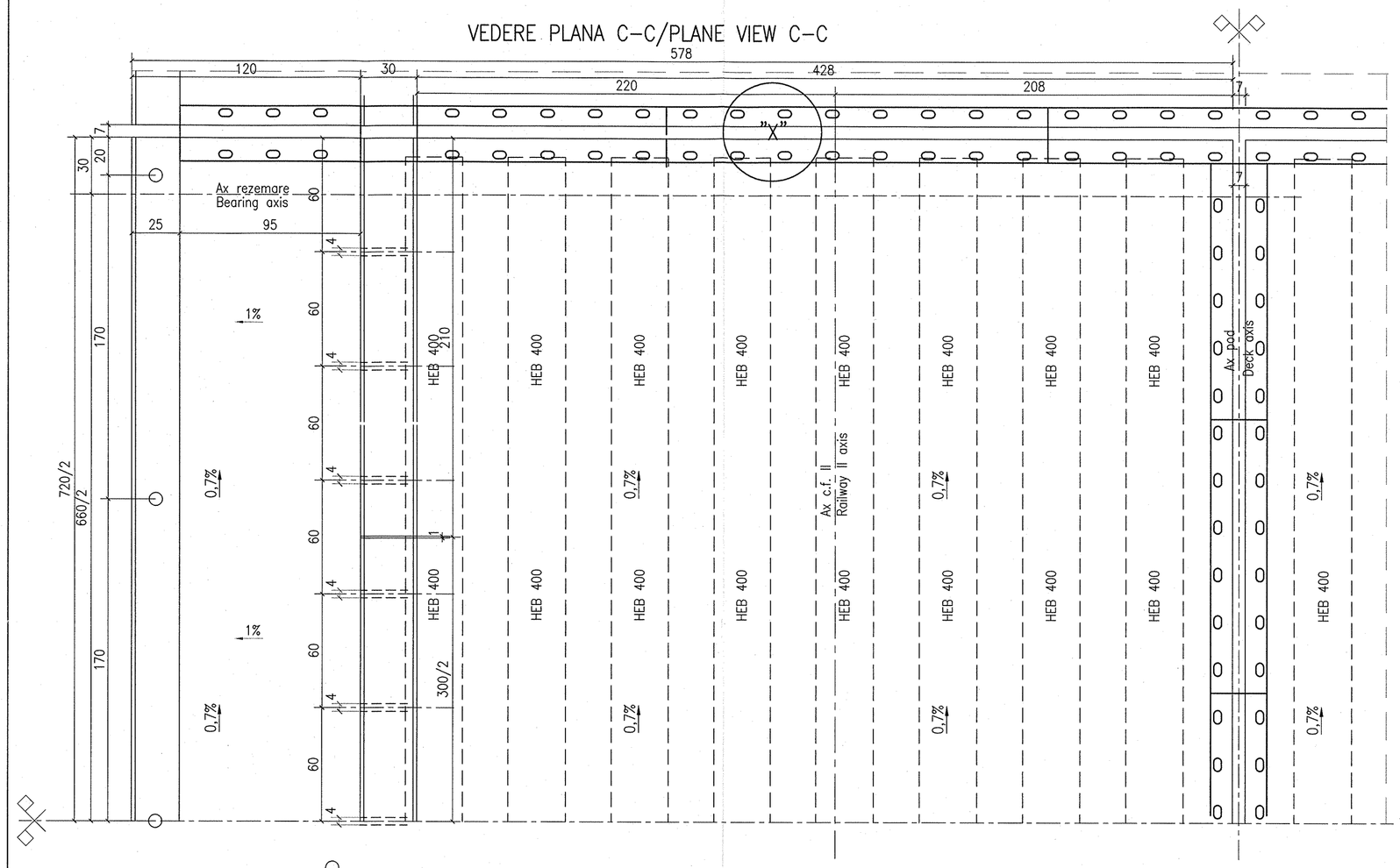
SECTIUNE TRANSVERSALA A–A/CROSS SECTION A–A



SECTIUNE LONGTUDINALA B–B/LONGITUDINAL SECTION B–B

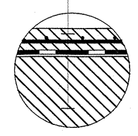


VEDERE PLANA C–C/PLANE VIEW C–C



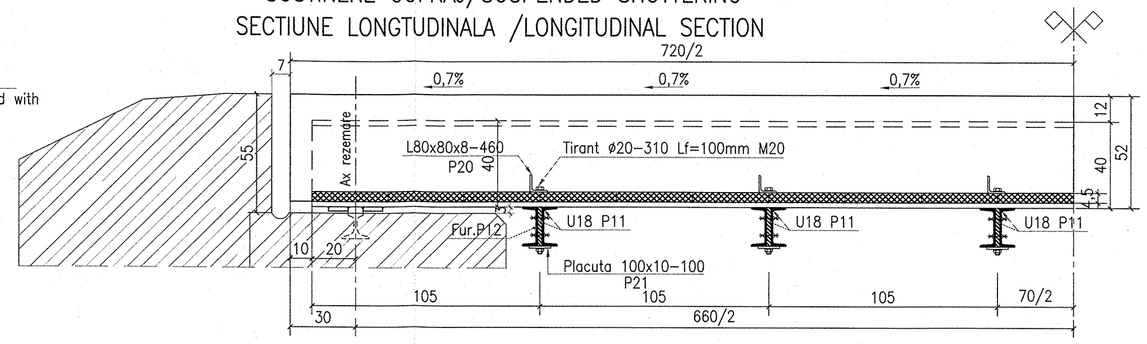
DETALIUL/DETAIL "A"

Sc. 1:10



Beton de protectia hidroizolatiei C30/27
armat cu plasa sudata tip Buzau 17GQ283
Waterproof concrete coating C30/37 reinforced with welded net 17GQ283 Buzau type
Membrana din bitum aditivat autoadeziva
Autoadhesive membrane of additived bitumen
Beton armat in dala C30/37
Reinforced concrete in slab C30/37

SUSTINERE COFRAJ/SUSPENDED SHUTTERING
SECTIUNE LONGTUDINALA /LONGITUDINAL SECTION



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/ml	kg/buc	OL37–2n
10	Reazem transversal	12	U18	7200	22,00	158,40	1900,80
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	1220	11,90	14,52	87,11
15	Longrina	1	U8	7200	8,64	62,21	62,21
16	Mana crt.+umplut.	2	L80x80x10	7800	11,90	92,82	185,64
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	1370	8,64	11,84	71,04
20	Susutineri reazema	42	L80x80x8	360	9,63	3,47	145,74
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)							3194

Tirant OB37 ø20–260 Lf=100mm M20: 42 buc

MASURATOARE MATERIAL METALIC NECESAR COFRARII TABLIER FIR I
NECESSARY METALLIC MATERIAL IN SHUTTERING FOR THE DECKS ON TRACKS I

POZ	DENUMIREA PIESEI	BUC	SECTIUNE (mm)	LUNGIMI (mm)	GREUTATI kg/ml	kg/buc	OL37–2n
10	Reazem transversal	12	U18	7200	22,00	158,40	1900,80
11	Furura	24	80x20	180	12,56	2,26	54,26
12A	Furura	6	180x20	180	28,26	5,09	60,52
13	Furura	12	180x20	340	28,26	9,61	115,30
14	Stalp parapet	6	L80x80x10	1220	11,90	14,52	87,11
15	Longrina	1	U8	7200	8,64	62,21	62,21
16	Mana crt.+umplut.	2	L80x80x10	7800	11,90	92,82	185,64
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	1370	8,64	11,84	71,04
20	Susutineri reazema	42	L80x80x8	360	9,63	3,47	145,74
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
–	–	–	–	–	–	–	–
TOTAL PE TIPURI DE OTEL (kg)							3100,87
Suruburi (3%) (kg)							93,03
TOTAL (kg)							3094

Tirant OB37 ø20–260 Lf=100mm M20: 42 buc

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.

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.

ASAMBLARE

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

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.

LEGENDA SURUBURILOR

Surub M16
Surub M20

LEGENDA BETOANELOR:

BETON ARMAT IN TABLIER
C30/37; A/C=0,45 T3/T4; G150; Ciment CEM I 42,5; 0÷31mm; clasa de expunere XF3+XC3

BETON ARMAT IN CUZINET; ZID DE GARDA; ZIDURI INTOARSE
C25/30; A/C=0,50 T3; G150; Ciment CEM I 42,5; 0÷31mm; clasa de expunere XF3+XC3

BETON ARMAT PROTECTIE HIDROIZOLATIE
C25/30; A/C=0,50 T3/T4; Ciment CEM HII/A–S32,5; 0÷16mm; clasa de expunere XC4+XF3+XM3

CONCRETE LEGEND:

REINFORCED CONCRETE IN DECK
C30/37; A/C=0,45 T3/T4; G150; Cement CEM I 42,5; 0÷31mm; exposure class XF3+XC3

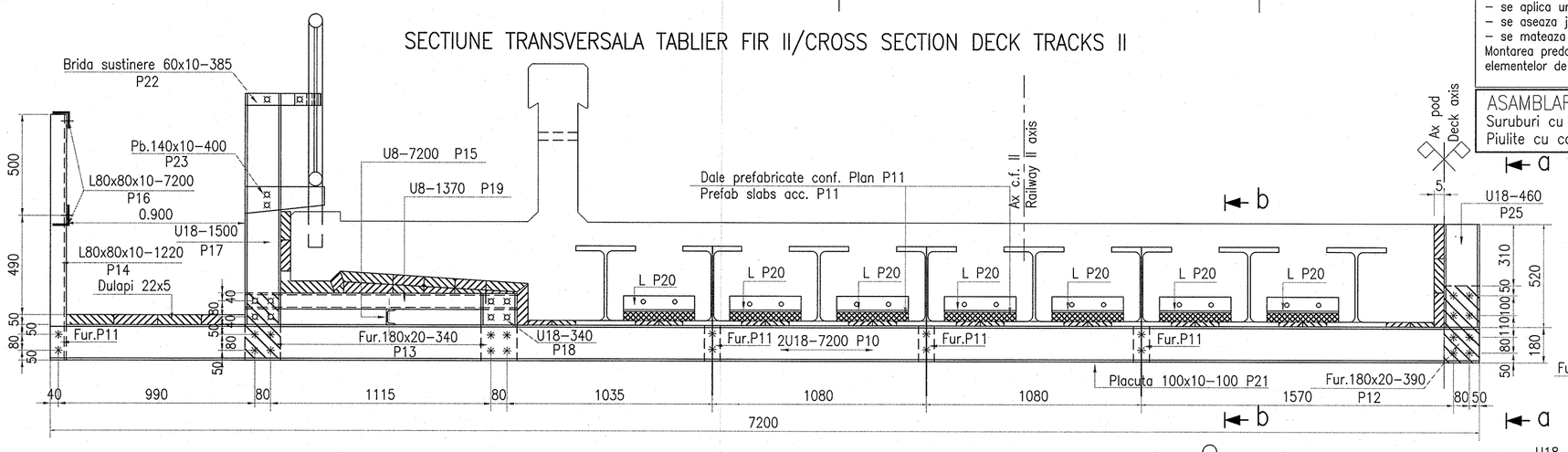
REINFORCED CONCRETE IN CUSHIONS; GUARD WALL; INVERTED WALLS C25/30; A/C=0,50 T3; G150; Cement CEM I 42,5; 0÷31mm; exposure class XF3+XC3

REINFORCED CONCRETE FOR WATERPROOF PROTECTION C25/30; A/C=0,50 T3/T4; Cement CEM HII/A–S32,5; 0÷16mm; exposure class XC4+XF3+XM3

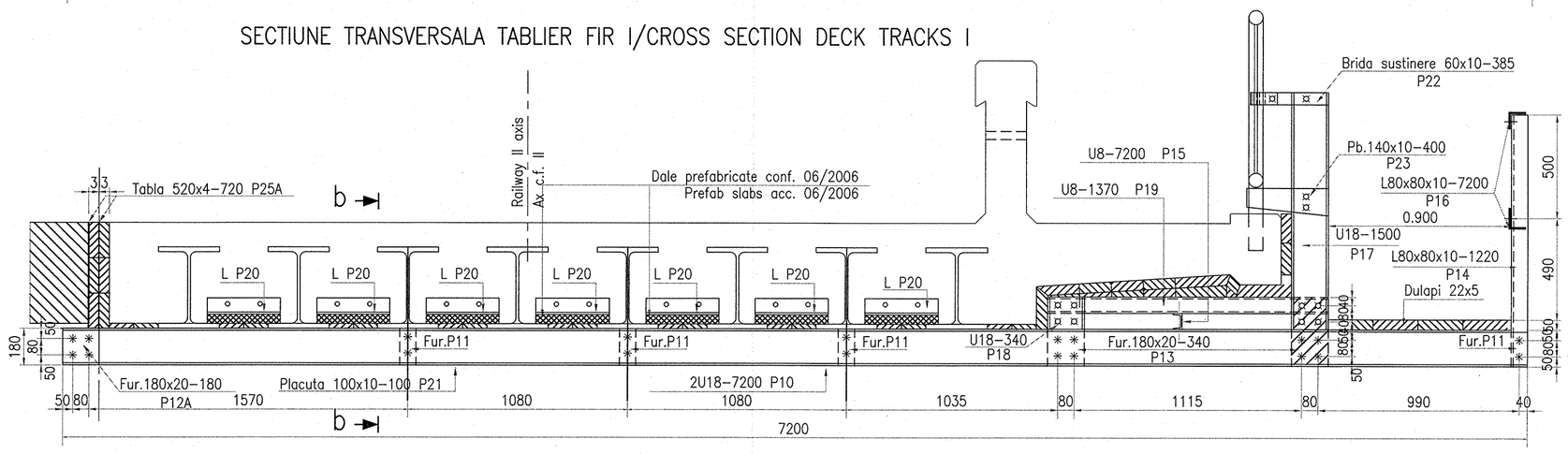
MATERIALE

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

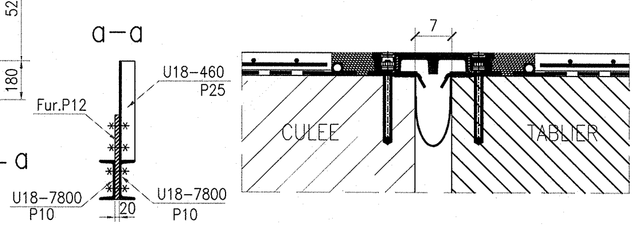
SECTIUNE TRANSVERSALA TABLIER FIR II/CROSS SECTION DECK TRACKS II



SECTIUNE TRANSVERSALA TABLIER FIR I/CROSS SECTION DECK TRACKS I

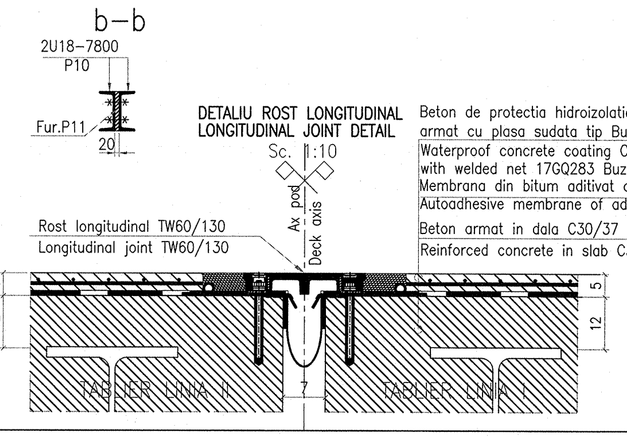


DETALIU "X" / "X" DETAIL



DETALIU ROST LONGITUDINAL
LONGITUDINAL JOINT DETAIL

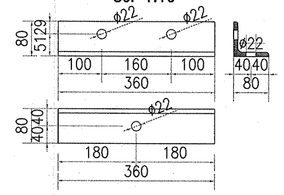
Sc. 1:10



Beton de protectia hidroizolatiei C30/27
armat cu plasa sudata tip Buzau 17GQ283
Waterproof concrete coating C30/37 reinforced with welded net 17GQ283 Buzau type
Membrana din bitum aditivat autoadeziva
Autoadhesive membrane of additived bitumen
Beton armat in dala C30/37
Reinforced concrete in slab C30/37

DETALII DEBITARE PIESA P20
DETAILS OF CUTTING PIECE P20

Sc. 1:10



CONVOIUL DE CALCUL LM71

VOLUM BETON/CONCRETE VOLUME: 2X20,45=40,90m³
COFRAJ/SHUTTERING: 2X26,00=52,00m²

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: 1303/2007
Proiect finantat de UNIUNEA EUROPEANA / Project financed by EUROPEAN UNION — POS Transport 2007- 2013
Faza / Phase: PTH

prointec — CONSIS PROIECT

Intocmit / Designed	Ing.Viorel ALDESCU	Scara / Scale : 1:50 1:10	PORTOFOLIU DE PROIECTE PHARE CES 2005 / PHARE CES 2005 PROJECTS PORTFOLIO LOT 1
Verificat / Checked	Ing. Bogdan SANDU	Data / Date : 05.2009	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
Sef echipa / Team leader	Ing. Stelian Vara-Oros	Denumire desen / Drawing Title : Sucursala RCF/Railway distrct BUCURESTI, Linia cf/Railway line Bucuresti-Videle; Pod / Bridge km 21+084; COFRAJ TABLIER /DECK SHUTTERING	Cod desen / Drawing Code: PD 5 — Nr. / No: 10

STĂNILĂ R. NICOLAE — ROMÂNIA — INCIA — Nr. 06589 — INGINER VERIFICATOR PROIECTE