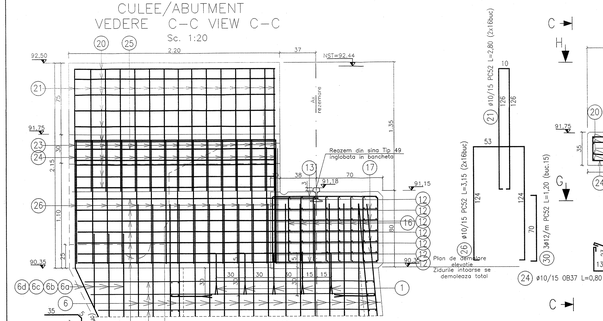
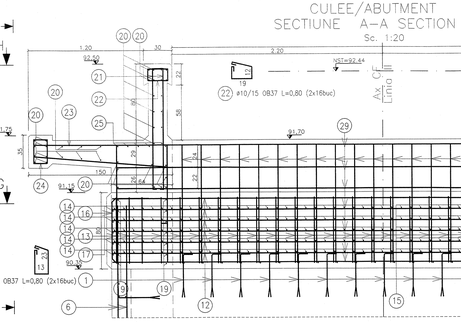
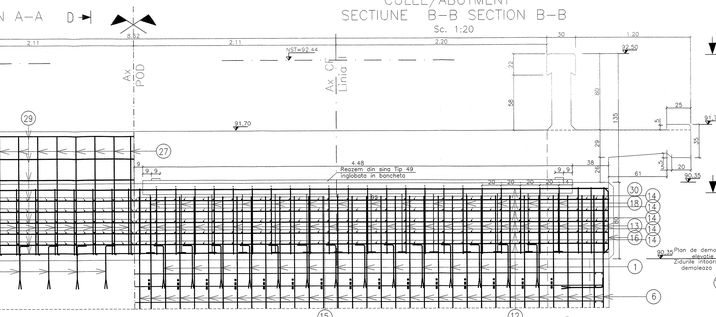
CULEE/ABUTMENT
VEDERE C–C VIEW C–C
Sc. 1:20



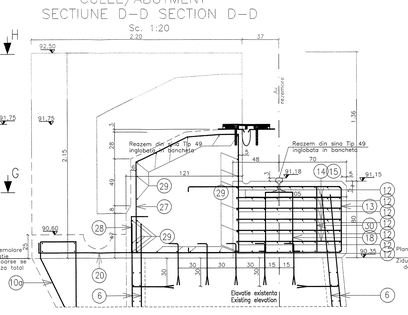
CULEE/ABUTMENT
SECTIUNE A–A SECTION A–A
Sc. 1:20



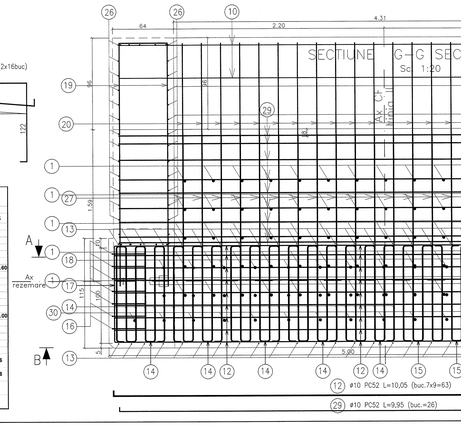
CULEE/ABUTMENT
SECTIUNE B–B SECTION B–B
Sc. 1:20



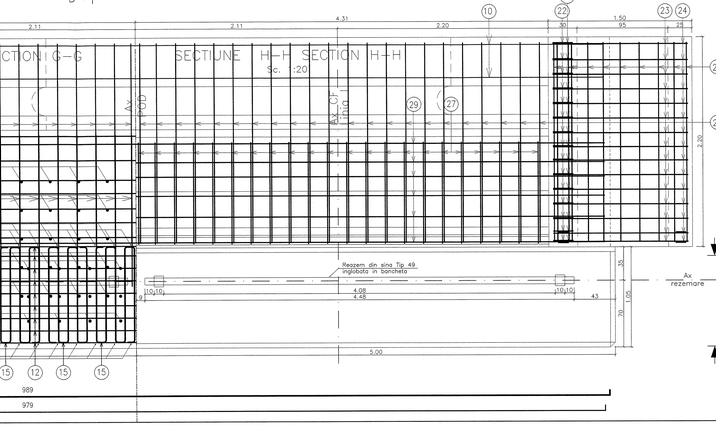
CULEE/ABUTMENT
SECTIUNE D–D SECTION D–D
Sc. 1:20



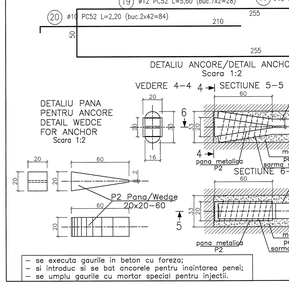
SECTIUNE G–G SECTION G–G
Sc. 1:20



SECTIUNE H–H SECTION H–H
Sc. :20



DETALIU ANCORE/DETAIL ANCHORAGE
Scara 1:2



DETALIU PANA PENTRU ANCORE DETAIL WEDGE FOR ANCHOR
Scara 1:2

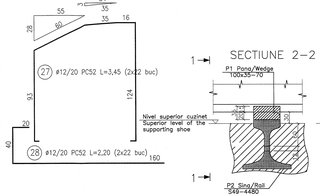
– se executa gaurile in beton cu foreza;
– si introduc si se bat ancorele pentru inalntirea penei;
– se umplu gaurile cu mortar special pentru injectii.

EXTRAS DE ARMATURA NECESAR PENTRU O CULEE
NECESARY OF REINFORCEMENT FOR ONE ABUTMENT

Marca/ Position	Diam.	Bucati/ Pieces	Lungime/ Length	Lungimi/Diametru Length/Diameter			
				Ø8 37	PC 52		
					ø10	ø12	ø16
12	10	63	10.05		633.15		
13	10	52	4.60		239.20		
14	10	50	7.50		375.00		
15	10	40	6.25		250.00		
16	10	10	1.40		14.00		
17	10	10	1.85		18.50		
18	16	28	1.95				54.60
19	12	28	5.60			156.80	
20	10	128	2.20		281.60		
21	10	32	2.80		89.60		
22	10	32	0.80	25.60			
23	12	32	4.45			142.40	
24	10	32	0.80		25.60		
25	16	10	4.60				46.00
26	10	32	3.10		99.20		
27	12	44	3.40			149.60	
28	12	44	2.20			96.80	
29	10	26	9.95		258.70		
30	12	15	1.20			18.00	
Total lungime/Diametru Total length/Diameter				25.60	2284.55	563.600	100.6
Greutate/Lungime (kg/ml)				0.617	0.617	0.888	1.578
Weight/Length (kg/ml)							
Greutate/Diametru (kg)				16	1410	500	159
Weight/Diameter (kg)							
Greutate armatura (kg)				16		2069	
Weight/Diameter (kg)							

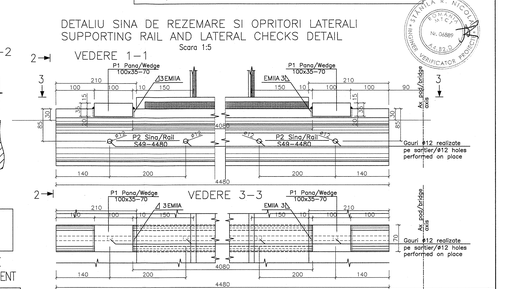
NOTA
1. Prezentul plan s–a intocmit pe baza dispozitiei generale 03/2006 si a planului cofraj culee 05/2006.
2. Parapetul se va monta pe pozitie inainte de turnarea betonului.
3. La montarea etrierilor marca (13) ramura superioara se va introduce prin gaurile prevazute in inimile sinilor tip 49.
4. Pentru pastrarea pozitiei orizontale in timpul turnarii, sinile se vor rezema pe calaretii marca (18)
5. Penele metalice P1 (30x35x70mm) se vor introduce in lacasurile rabotate ale sinelor de rezemare si se vor fixa cu sudura de colt pe intreg conturul.
6. Armatura se va confectiona numai dupa confirmarea (dupa inceperea executiei) a dimensiunilor elevatiei existente si se va adapta la dimensiunile reale.
7. La executia lucrarilor se vor respecta cu strictete prevederile din NE 012–06/99 "Cod de practica pentru executarea lucrarilor din beton, beton armat si beton precomprimat"
8. 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 02/2006 and the abutment shuttering plane 03/2006.
2. The railing will be mounted before the concrete casting.
3. At the stirrup type (13) mounting the superior part will be introduced through the holes foreseen in the rails type 49 web.
4. In order to preserve the horizontal position during the pouring, the rails will lean on the spacers type (18)
5. The metallic wedges P1 (30x35x70mm) will be introduced in the bearing rails' planing places and will be fixed with corner joining on the entire outline.
6. The reinforcement will be made only after the confirmation (following the construction's begining) of the dimensions of existent abutments.
7. The provisions in N.E. 012–99/06 will be strictly observed during the execution stage: "Regulation for carrying out the works in concrete, in reinforced concrete and in pre–stressed concrete"
8. Verifying the quality of the works and their acceptance will be carried out according with Norm C56–85.



SECTIUNE 2–2

DETALIU SINA DE REZEMARE SI OPRITORI LATERALI
SUPPORTING RAIL AND LATERAL CHECKS DETAIL
Scara 1:5



BETON ARMAT/REINFORCED CONCRETE:C30/37 si
ARMATURA/REINFORCEMENT: PC52
ACOPERIRE/PROTECTIVE COATING: 5cm

MASURATOARE MATERIAL METALIC PENTRU O CULEE
MEASUREMENT OF METALLIC MATERIAL FOR ONE ABUTMENT

POZ.	Denumirea piesei	Dimensiuni (mm)	Lungime (m)	Buc.	GREUTATI kg/ml	kg/buc	TOTAL
1	Pana/Wedgee	30x35	0,10	12	8,24	0,83	9,96
2	Pana/Wedgee	20x20	0,06	688	3,14	0,19	130,72
3	Sina/Rail S49		4,480	6	49,00	220,00	1320,00
TOTAL (kg)							1461,00

B			
A			
	Data Modificare Modification		
BENEFICIAR/ BENEFICIARY: ROMANIAN RAILWAY NATIONAL COMPANY	AUTORITATEA IMPLEMENTARE/ IMPLEMENTING AUTHORITY: Ministerul Transporturi Ministry of Transports	AUTORITATEA CONTRACTANTA/ CONTRACTING AUTHORITY: Ministerul Economiei si Finantelor Oficiul de Plati si Contractare Piete Ministry of Economy and Finance Paying and Tenders Contracting Office	CFCU Contract/ Contract 3/2007
proiectec CONAIS PROIECT	POSDRU Axa prioritara 5 "Promovarea unei economii bazate pe cunoastere" Domeniul major de interventa 5.1 "Tranzitia spre o societate bazata pe cunoastere"	POS Transport 2007–2013	Pasaj / Proiect PTH
Intocmit/ Designed: Ing.Viorel ALDESCU	Verificat/ Checked: Ing. Cristina Vara-Oros	Sef echipa/ Team leader: Ing. Stelian Vara-Oros	Scara / Scale: 1:5;1:20 Data / Date: 05.2006
PORTOFOLIU DE PROIECTE PHARE CES 2005 / PHARE CES 2005 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 reached by railway tunnels and bridges			
Contractul DEAMAT / Agreement 1.2.02			Cod desen / Drawing Code: PD 5
PLAN ARMARE ELEVATIE CULEE/ Sir 21+004 ELEVATION ABUTMENT REINFORCEMENT			Nr. / No: 07