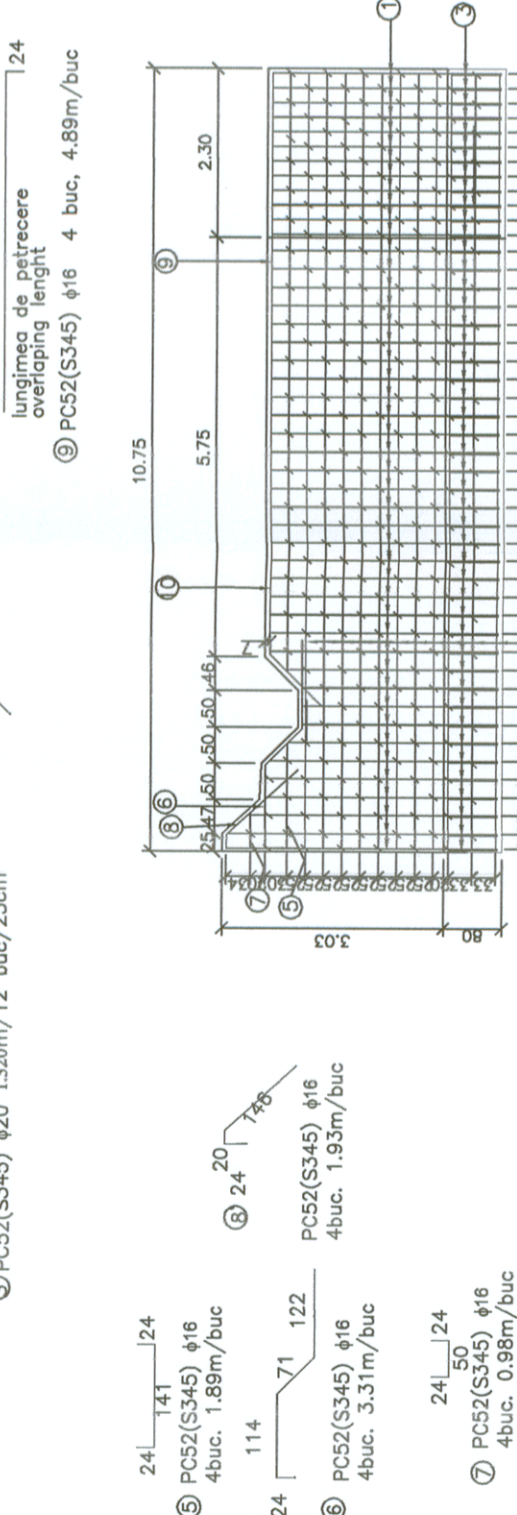
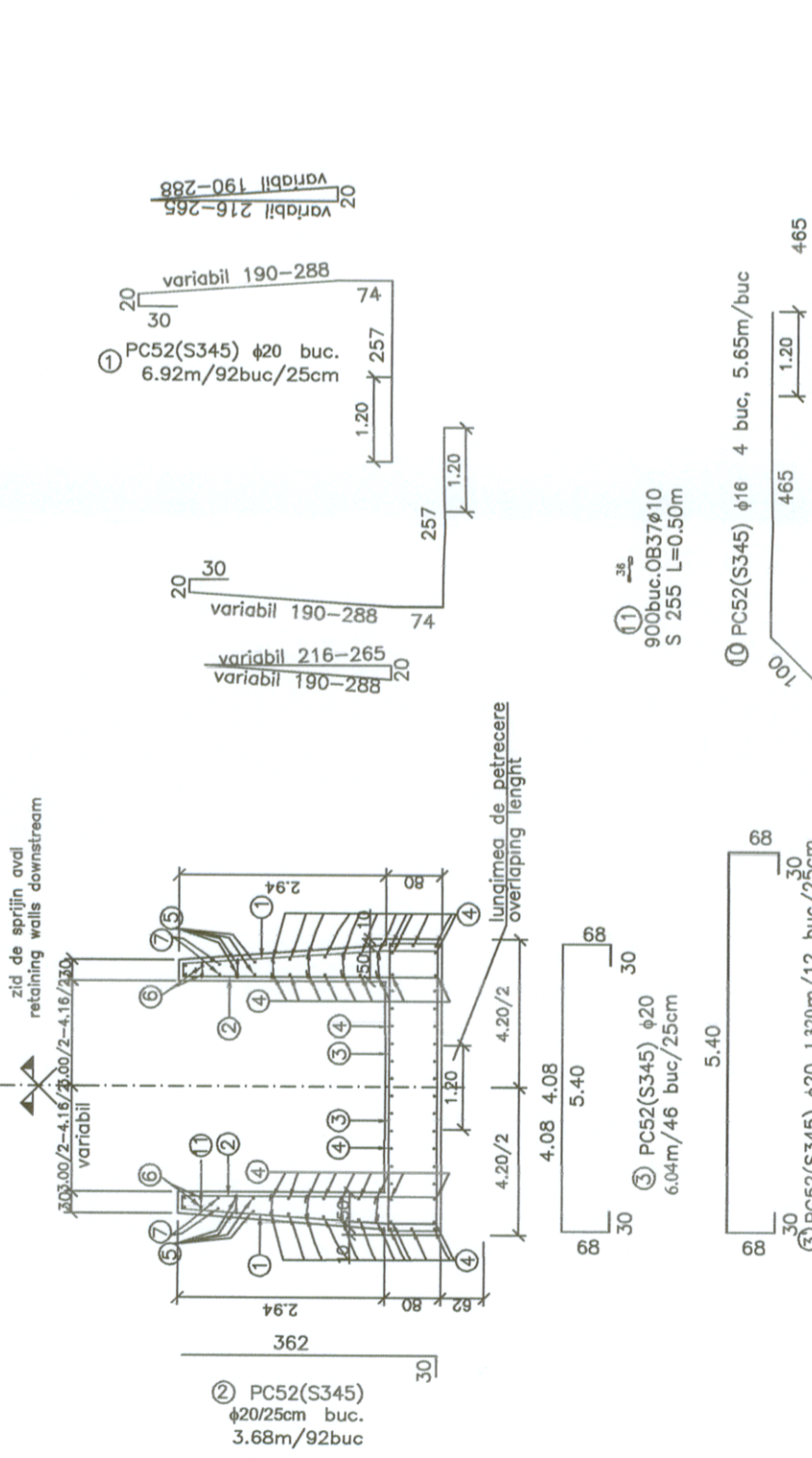
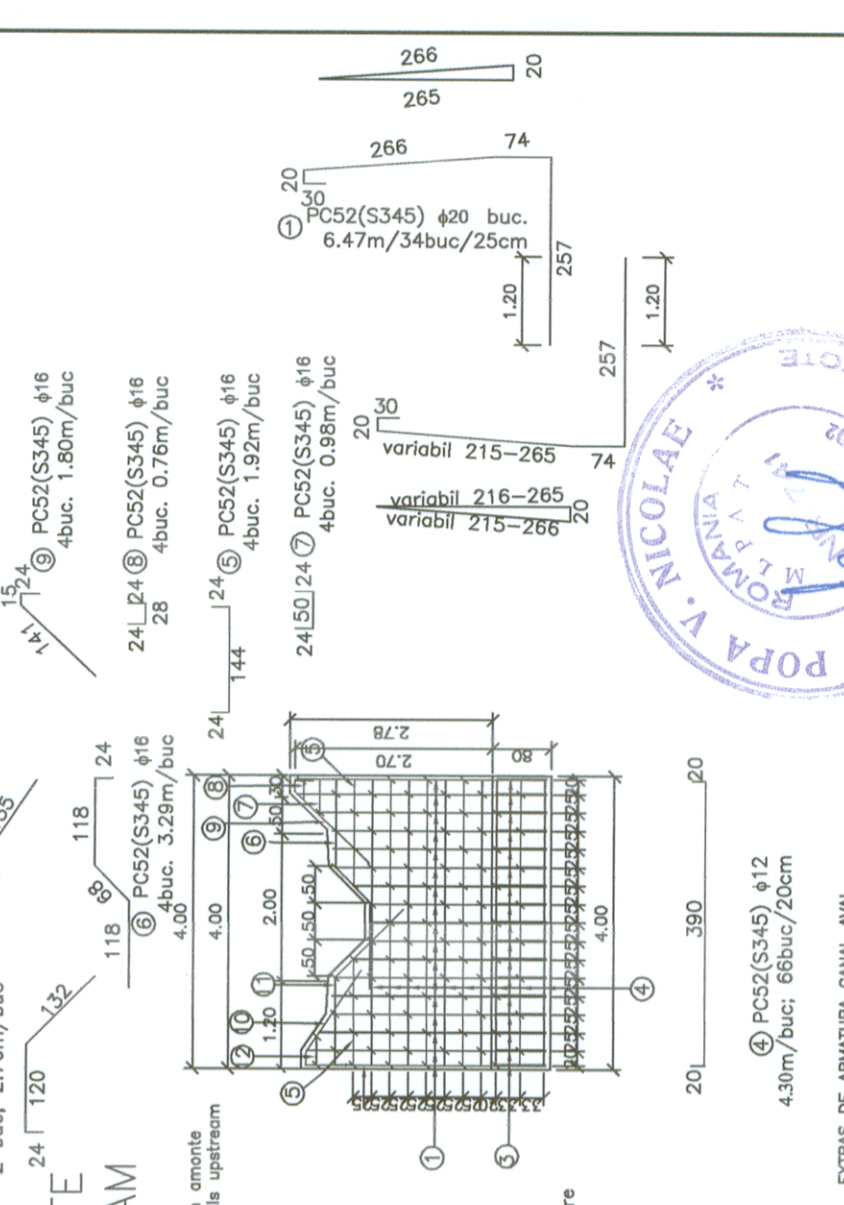


SECTIUNE CANAL AVAL  
SECTION CHANNEL DOWNSTREAM



Element	Denumire	Marca	Nr. borduri asanmate	OB 37 S255	PC 52 S345	Lungimi in metri pe diametre pentru barele din toate elementele			Masa pe metru (kg)			Masa totala pe tipuri de otel (kg)		
						φ 10	φ 12	φ 16	φ 20	φ 25				
1	20	17	34	6.47	880						156.00	283.80	11.04	2685.00
2	20	17	34	3.88	125.12						0.617	0.888	1.578	2.466
3	20	17	34	6.04	102.88						97.00	252.00	76.00	2236.00
4	12	66	120	4.30	283.80						156.00	283.80	48.12	907.80
5	16	4	8	1.92							0.617	0.888	1.578	2.466
6	16	4	8	3.29							156.00	283.80	48.12	907.80
7	16	4	8	0.88	7.84						0.617	0.888	1.578	2.466
8	16	4	8	0.78	6.08						156.00	283.80	48.12	907.80
9	16	4	8	1.80	8.12						0.617	0.888	1.578	2.466
10	16	4	8	1.77	12.80						156.00	283.80	48.12	907.80
11	16	2	4	2.76	11.04						0.617	0.888	1.578	2.466
12	16	2	4	0.87	11.04						156.00	283.80	48.12	907.80
13	10	312	624	0.50							0.617	0.888	1.578	2.466
Totali lungimi pe diametre (m)											156.00	283.80	48.12	907.80
Masa pe metru (kg)											0.617	0.888	1.578	2.466
Masa totala pe tipuri de otel (kg)											97.00	252.00	76.00	2236.00

SECTIUNE CANAL AMONTE  
SECTION CHANNEL UPSTREAM



Element	Denumire	Marca	Nr. borduri asanmate	OB 37 S255	PC 52 S345	Lungimi in metri pe diametre pentru barele din toate elementele			Masa pe metru (kg)			Masa totala pe tipuri de otel (kg)		
						φ 10	φ 12	φ 16	φ 20	φ 25				
1	20	46	92	6.92	636.64						156.00	283.80	48.12	907.80
2	20	46	92	3.88	336.56						0.617	0.888	1.578	2.466
3	20	46	92	6.04	556.68						156.00	283.80	48.12	907.80
4	12	12	24	1.32	31.88						0.617	0.888	1.578	2.466
5	16	2	4	1.89	178.88						156.00	283.80	48.12	907.80
6	16	2	4	3.31	7.56						0.617	0.888	1.578	2.466
7	16	2	4	0.98	13.24						156.00	283.80	48.12	907.80
8	16	2	4	1.93	3.92						0.617	0.888	1.578	2.466
9	16	2	4	4.89	19.56						156.00	283.80	48.12	907.80
10	16	2	4	8.33	37.32						0.617	0.888	1.578	2.466
11	10	450	900	0.50	450.00						0.617	0.888	1.578	2.466
Totali lungimi pe diametre (m)											450.00	179.00	88.36	1562.56
Masa pe metru (kg)											0.617	0.888	1.578	2.466
Masa totala pe tipuri de otel (kg)											278.00	1047.00	141.00	3854.00



OTEL PC52, S345; OB37 S255  
STRAT ACOPERIRE 50mm  
VOLUM BETON C25/30 ~101mc  
COFRAJ ~196.00mp

STEEL PC52, S345; OB 37 S255  
50mm THICK COVERLAYER  
VOLUME OF CONCRETE C25/30 ~101mc  
SHUTTER ~196.00mp

<b>CFRU</b> CONTRACTING AUTHORITY Ministerul Economiei si Finantelor Oficiul de Piete si Contractare Phase Ministry of Economy and Finance Phase Payments & Contracting Office		Contract / Contract 1303/2007	
Beneficiar / Beneficiary: AUTORITATEA DE IMPLEMENTARE / IMPLEMENTUNG AUTHORITY MINISTERUL TRANSPORTURILOR Ministry of Transport		Faza / Phase: PTH-ODE / TP-OD POS Transport 2007- 2013	
Beneficiar / Beneficiary: ROMANIAN RAILWAY NATIONAL COMPANY MINISTERUL TRANSPORTURILOR Ministry of Transport		Portofoliu de proiecte / Projects Portfolio PORTOFOLIU DE PROIECTE PHARE CES 2005 / PHARE CES 2005 PROJECTS PORTFOLIO LOT 1	
Intocmit / Designed: Ing. Simona NICULESCU		Scara / Scale: 1:100	
Verificat / Checked: Ing. Nicoleta FLORIAN		Data / Date: 05.2009	
Sef echipa / Team leader: Ing. Stelian VARA-OROS		Cod desen / Drawing Code: PT 20	
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 Denumire desen / Drawing Title: Scurtala RCF Railway direct IASI, Liniile de cale ferata 511 Dammeles-Dornbasa Podul / Culvert km 49+517 PLAN COFRAJ SI ARMARE CANAL AMONTE SI AVAL SHUTTERING AND REINFORCED UPSTREAM AND DOWNSTREAM CHANNEL			