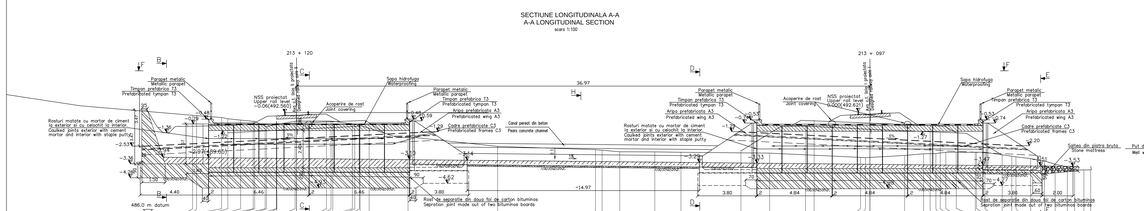
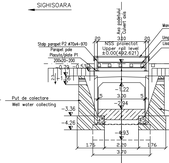
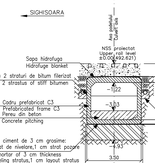
SECTIUNE LONGITUDINALA A-A
A-A LONGITUDINAL SECTION
scara 1:100 / scale 1:100



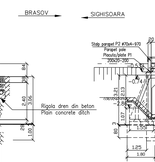
SECTIUNE B-B
B-B SECTION
scara 1:100



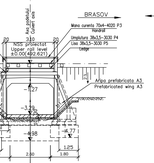
SECTIUNE TRANSVERSALA C-C
CROSS SECTION C-C
scara 1:100



SECTIUNE D-D
D-D SECTION
scara 1:100

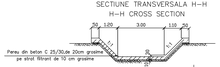


SECTIUNE E-E
E-E SECTION
scara 1:100

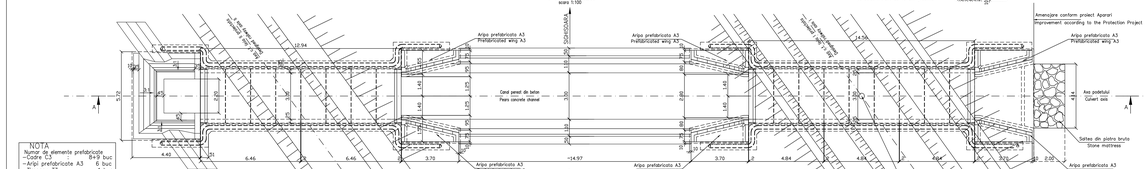


DETALIU PENTRU PRINDEREA PLACUTELOR P1 DE TIMPAN
DETAIL TO JOIN THE SLABS P1 AT THE TYMPANUM

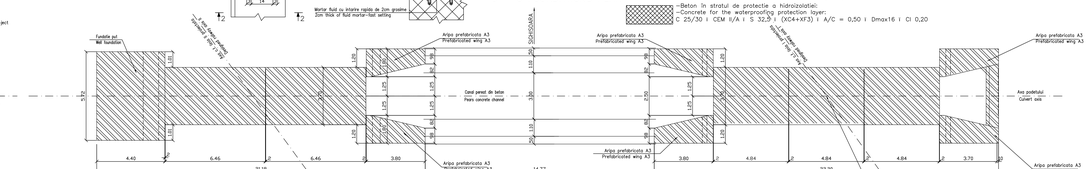
SECTIUNE TRANSVERSALA H-H
H-H CROSS SECTION



VEDERE IN PLAN F-F
F-F PLAN VIEW
scara 1:100



PLAN FUNDATII G – G
G – G FOUNDATIONS PLAN



MATERIAL METALIC PENTRU CONFECTIONAREA PARAPETULUI PODETULUI
THE METALLIC MATERIAL TO BUILD PARAPET OF CULVERT

Poz. / Pos.	Denumire materialului / The denomination of the material Cf. EN 10025 – S235 JR	Buc.	Sectiune / Section	Lung. / Long. (mm)	Sectiune/Section		
					kg/ml	kg/buc	kg
P1	Placute pivotante / Pivoting plate	4	200x20	200	31.40	6.28	25.12
P2	Tirbi pereti CN 10297 – S275 / Parapet pole	4	70x4	900	6.51	5.86	23.44
P3	Mana curenta CN 10297 – S275 / Handrail	2	70x4	4000	6.51	26.17	52.34
P4	Umplutura CN 10058 / Filling	2	38x3,5	3030	2.98	9.03	18.06
P5	Lise CN 10058 / Ledge	2	38x3,5	3030	2.98	9.03	18.06
			Total greutate Partial / Partial total				137.02
			Suruburi / Bolts				2.74
			Sudura / Welding 5%				140
			TOTAL kg				

NOTE:

1. This plan has been drawn up based on the following data:
–Layout Plan
–Longitudinal Profile
–Transversal Profile
–Bridge's File
–Hydraulic determination
2. The culvert corresponds to the UIC determination conveys (U470 and DK/2).
3. The execution will strictly comply with the provisions of "Practice code for the concrete production and works execution, reinforced and prestressed concrete – Part 1: Plain, reinforced and prestressed concrete" ed. 01/01-2007 and "Practice code for the concrete production and works execution, reinforced and prestressed concrete – Part 2: The execution of concrete works." NE 012/2-2010, and the quality and the reception of the works shall be made accordingly to Norm C 56-1985.
4. The culvert is designed for a double railway track. The existing situation on site and the situation stated in the project, the designer will be noticed.
5. The construction has been classified in B category of importance (high importance constructions), made by ensuring the quality and class of concrete and steel, according to P 100-1/2006.
6. The project will be checked in order to comply with the A4.2; B2.2; D2.2 requirements.
7. The culvert foundation is drawn on binding prefabricated elevations settlement on block foundation, through a layer of cement mortar to achieve a perfect contact over the entire surface between precast and foundation base.Propping is prohibited without direct layer of cement mortar.

NOTA:

1. Prezentul plan s-a intocmit pe baza urmatoarelor date:
–plan de situatie
–profil in lung
–profil transversal
–fisa podetului
–calcul hidraulic
2. Podetul corespunde la convoiele de calcul UIC (LM71 si SW/2).
3. La executia se vor respecta cu strictete prevederile "Normativ pentru producerea betoanelor si executarea lucrarilor din beton, beton armat si beton precomprimat. Partea 1: Producerea betoanelor, executarea lucrarilor din beton, beton armat si beton precomprimat si executarea lucrarilor din beton, beton armat si beton precomprimat. Partea 2: Executarea lucrarilor din beton", indicativ NE 012/2-2010, iar verificarea calitatii lucrarilor si receptionarea lor se va face conform normativului C56-1985/2006.
4. Podetul este proiectat pentru racordarea incercarilor intre situatia existenta pe teren si cea din proiect ce se executa prioritatul.
5. Construictia se incadreaza in categoria de importanta B (construictii de importanta deosebita), executia fiind asigurata o calitati a clase de importanta B, conform P 100-1/2006.
6. Proiectul va fi verificat conform prevederilor A4.2; B2.2; D2.2.
7. Se atrage in mod deosebit atentia asupra obligativitati rezemarii elevatiilor prefabricate pe blocul de fundatie prin intermediul unui strat de mortar de ciment pentru realizarea unui contact perfect pe toata suprafata intre talpa prefabricatul si fundatie. Se interzice rezemarea directa fara strat de mortar de ciment.

DATE HIDRAULICE:

–Inaltimea de apa: h=1.12m
–Perimetrul udat: P=5.24m
–Aria udata: A=3.36m²
–Viteza de curgere a apei: V=3.31m/s

HIDRAULIC DATA:

–Hydraulic height: h=1.12m
–Perimeter: P=5.24m
–surface: A=3.36m²
–Water flow speed: V=3.31m/s

NOTA

Numar de elemente prefabricate
–Cadre C3 8+9 buc
–Aripa prefabricata A3 6 buc
–Timpane T3 4 buc.

NOTE

Number of precast section
–Prefabricated frames C3 8+9pcs.
–Prefabricated wings A3 6pcs
–Tympanum T3 4pcs.

Indice / Index	Data / Date	Modificare / Modification/Revision	Proiectant / Designer	Aprobat Consultant / Approved Consultant	Aprobat CFR / Approved CFR
0					
C					
B					
A	12.2011	Revizia 1	Ionela Ungureanu		

GUVERNUL ROMANIEI / ROMANIAN GOVERNMENT

PROIECT FINANTAT DE UNIUNEA EUROPEANĂ / EUROPEAN UNION FINANCED

C.N.C.F. "C.F.R." - S.A.

CLIENT / CLIENT

CONSULTANT / CONSULTANT

			Data / Date	Semnătura / Signature
Aprobat / Approved	Șef proiect / Project manager	R. Liuzza		
Aprobat / Approved	Coordonator Sectiune 1 / Section 1 Coordinator	C. Gambelli		
Verificat / Checked	Expert Verificator / Checking Expert	V.Kalidromitis		

SUBCONTRACTANT / SUBCONTRACTOR

Aprobat / Approved	Responsabil Subconsultant / Subconsultant Responsible	A. Dinulescu Stanciu	09.2011	
Elaborat / Elaborated	Proiectant / Designer	Ionela Ungureanu	09.2011	

Reabilitarea liniei de cale ferata Brasov - Simeria, parte componenta a coridorului IV Pan European, pentru circulatia trenurilor cu viteza maxima de 160 km/h.
Tronsonul : Brașov - Sighișoara
Rehabilitation of the railway line Brașov – Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h,
Section : Brașov - Sighișoara

Proiect/Project
2004/RO/16/P/PA/003

Faza / Phase:
P.Th. / T.D.

Denumire desen / Drawing Title:
INTERVAL APATA - RACOS / SECTION APATA - RACOS
PODET - KM 213+098.120 / CULVERT KM. 213+098.120
DISPOZITIE GENERALA / GENERAL DISPOSITION

Codificare / Codification System												Scara / Scale 1:100	LOT / LOT	Nr. / No. 00/01
E	A	S	1	0	1	C	1	0	P	A	P	0	0	2	8	1	0	0	2	1

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