



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

Poz. / Piece	Denumirea materialului / The denomination of the material	Buc.	Sectiune / Section	Lung. / Long. (mm)	Sectiune / Section		
					kg/ml	kg/buc	kg
P1	Placuta prindere / Clamping plate	4	200x20	200	31.40	6.28	25.12
P2	Stalp parapet EN 10297 - E275 / Parapet pole	4	70x4	970	6.51	6.32	25.26
P3	Mana curenta EN 10297 - E275 / Handrail	2	70x4	2900	6.51	18.88	37.76
P4	Umplutura EN 10058 / Filling	2	38x3,5	1980	2.98	5.90	11.80
P5	Lisa EN 10058 / Ledge	2	38x3,5	1980	2.98	5.90	11.80
Total partial / Partially total					111.74		
Sudura 2% / Welding 2%					2.24		
Total kg					115		

**NOTA:**

1. Prezentul plan s-a intocmit pe baza urmatoarelor date:
  - plan de situatie
  - profil in lung
  - profil transversal
  - fisa podului
  - calcul hidraulic
  - date culese pe teren
2. Podetul corespunde la convoaiele de calcul UIC (LM71 si SW/2)
3. La executie se vor respecta cu strictete prevederile din "Normativ pentru producerea betonului si executarea lucrarilor din beton, beton armat si beton precomprimat. Partea 1: Producerea betonului", indicativ NE 012/1-2007 si "Normativ pentru producerea betonului 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.
4. Daca la executie se vor constata neconcordanțe între situatia existenta pe teren si cea din proiect se va anunta proiectantul.
5. Constructia se incadreaza in categoria de importanta B (constructii de importanta deosebita), modelul 1 de asigurare a calitatii si clasa de importanta B, conform HG 766/1997.
6. Proiectul va fi verificat la exigentele A4.2; B2.2; D2.2.
7. Se atrage in mod deosebit atentia asupra obligativitatii rezemarii elevatiilor prefabricate pe blocul de fundatie prin intermediul unui strat de mortar de ciment pentru a se realiza un contact perfect pe toata suprafata între talpa prefabricatului si fundatie. Se interzice rezemarea directa fara strat de mortar de ciment.

**NOTE:**

1. This plan has been drawn up based on the following data:
  - Lay-out Plan
  - Longitudinal Profile
  - Cross-section Profile
  - Bridge's File
  - Hydraulic determination
  - Field Data
2. The culvert corresponds to the UIC determination convoys (LM71 and SW/2).
3. The execution will strictly comply with the provisions of "Practice code for the concrete production and works execution, reinforced and pre-stressed concrete - Part 1: Practice code for concrete production" NE 012/1-2007 and "Practice code for the concrete production and works execution, reinforced and pre-stressed 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. If during the execution, discrepancies are found between the existing situation on site and the situation stated in the project, the designer will be notified.
5. The construction has been classified in B category of importance (high important constructions), model 1-ensuring the quality and class of importance B according to G.O. 766/97.
6. The project will be checked in order to comply with the A4.2; B2.2; D2.2 requirements.
7. Particular attention 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.

**LEGENDA BETOANELOR**  
**CONCRETE LIST**

- Beton armat in elementele prefabricate / Reinforced concrete in the prefabricated elements  
C35/45-CEM II/A-S32,5-(XC4+XF3+XA1)-A/C=0,50-Dmax 22-CI 0.20
- Beton armat in corectia amonte / Reinforced concrete in the downstream correction  
C25/30-CEM II/A-S32,5-(XF3)-A/C=0,55-Dmax 16-CI 0.20
- Beton simplu in fundatia elementelor prefabricate si a arilor / Plain concrete in the prefabricated elements end wings  
C25/30-CEM II/A-S 32,5-(XF1)-A/C=0,50-Dmax 32-CI 0.20
- Beton simplu de panta in pinter si in rigola drenului / Plain concrete slope and spur the gutter drain  
C 25/30-CEM II/A-S 32,5-(XC4+XF3+XA1)-A/C=0,50-Dmax 32-CI 0.20

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

**VEDERE IN PLAN**  
**VIEW PLAN**

**CONSULTANT / CONSULTANT**

Approved	Project manager	Date	Signature
Approved <td>R. Liuzza</td> <td></td> <td></td>	R. Liuzza		
Approved <td>Coordinator Section 1</td> <td></td> <td></td>	Coordinator Section 1		
Verified <td>Expert Chief</td> <td></td> <td></td>	Expert Chief		
Checked <td>Checking Expert</td> <td></td> <td></td>	Checking Expert		

**SUBCONTRACTANT / SUBCONTRACTOR**

Approved	Responsible Subcontractant	Date	Signature
Approved <td>A. Dinulescu Stanciu</td> <td>01.2011</td> <td></td>	A. Dinulescu Stanciu	01.2011	

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

**Denumire desen / Drawing Title :**  
**HALTA DE MISCARE / HALT THE MOVEMENT FELDIOARA**  
**PODET - KM. 191+009.236 / KM. 191+009.236 - CULVERT**  
**DISPOZITIE GENERALA / GENERAL DISPOSITION**

Codificare / Codification System: Scara / Scale: 1:100; 1:5; LOT / LOT; Nr. / No: 01 / 01

EA51 01 C 07 PA PO 01 4 1 002 1