

DATE HIDRAULICE

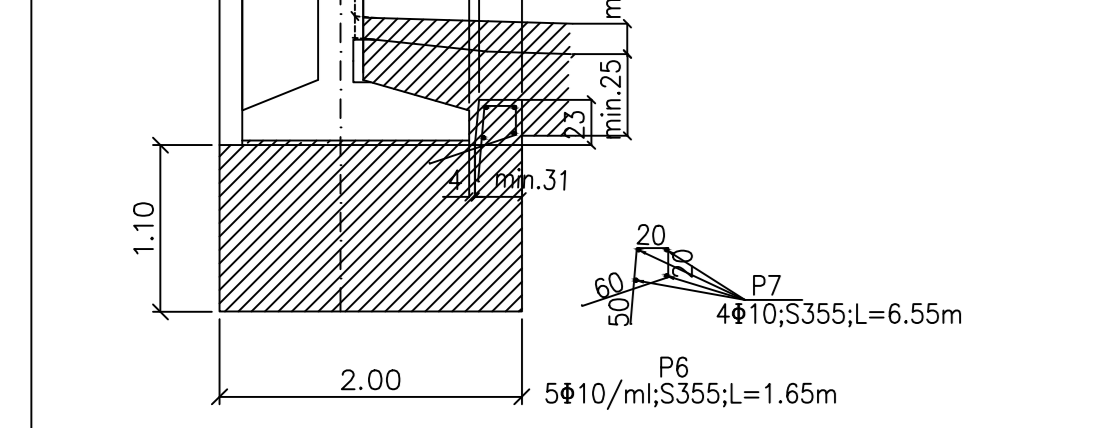
- Inaltimea de apa in podet:h=1.24m
- Perimetrul udat: P=7.48m
- Aria=A=6.20m²
- V. vurgere apa= V=3.49mc/s

NOTA

- Numar de elemente prefabricate
- Dale marginale D5: 2buc.
- Dale curente D5: 14buc.
- Aripi prefabricate A3: -2buc.
- Elevatii L2: -16buc.

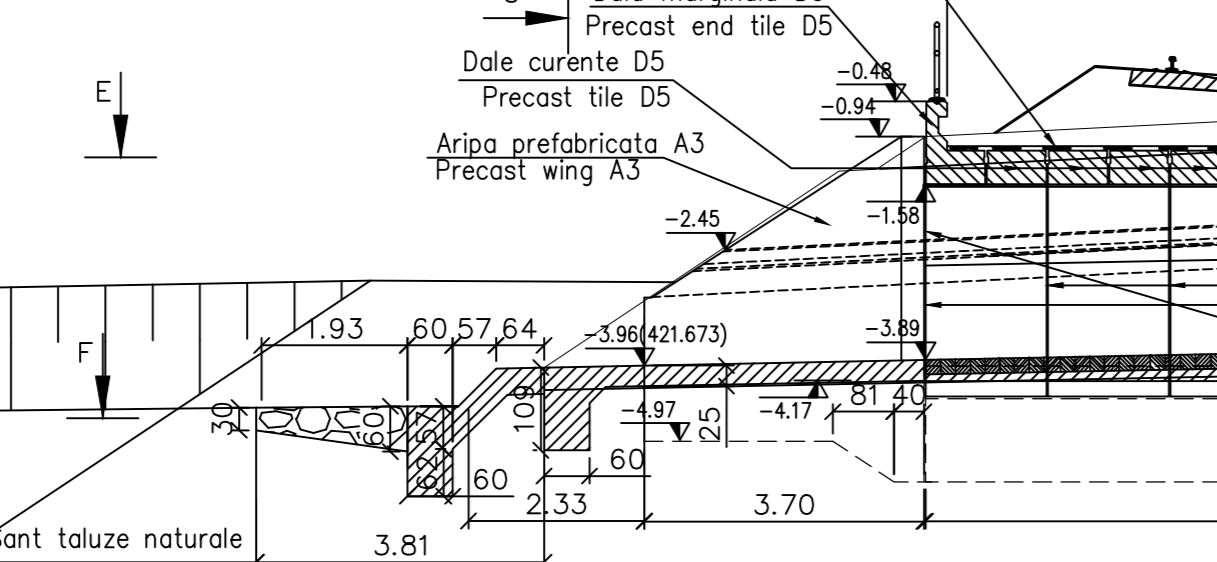
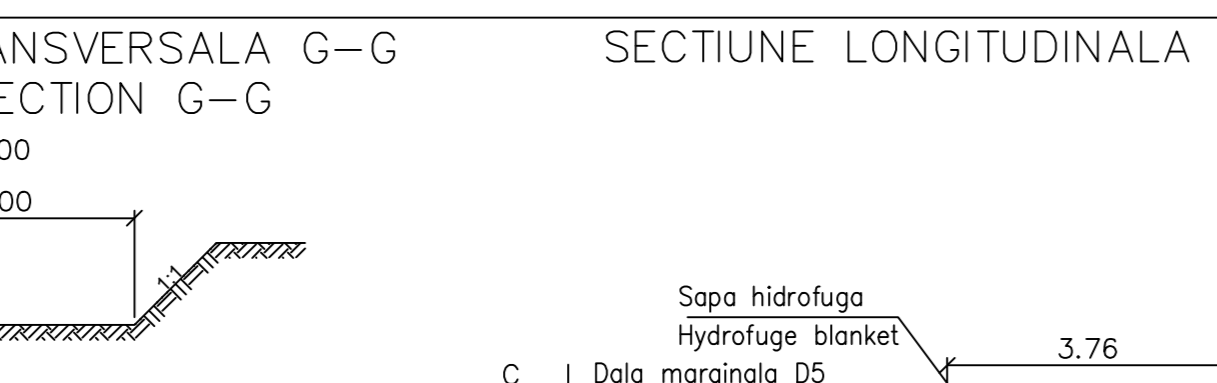
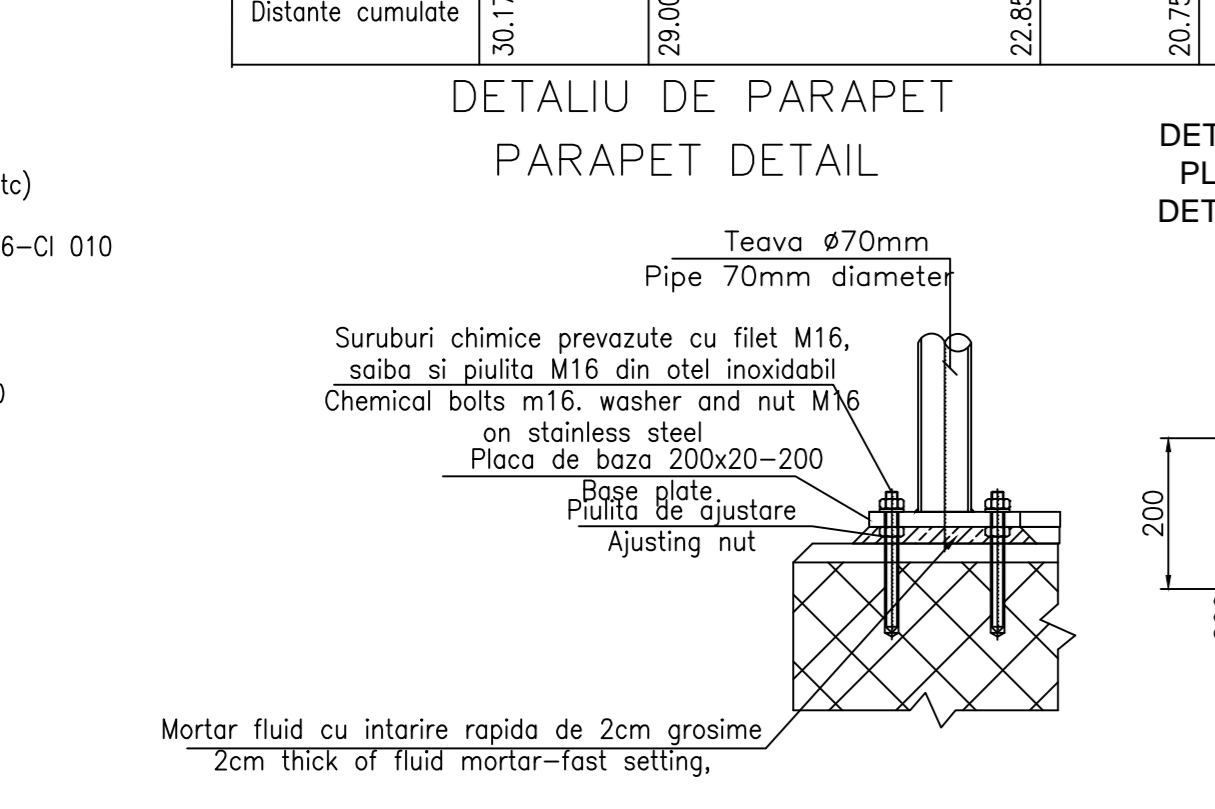
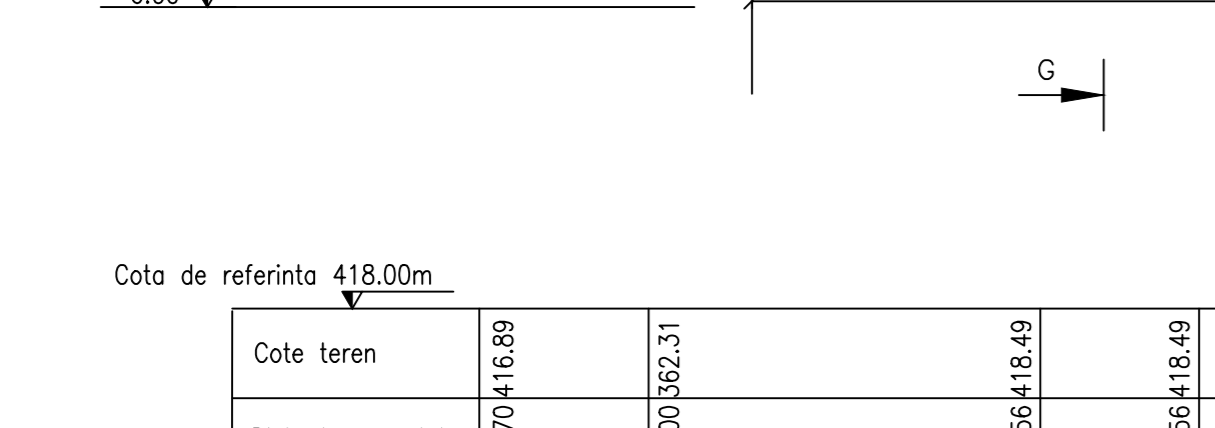
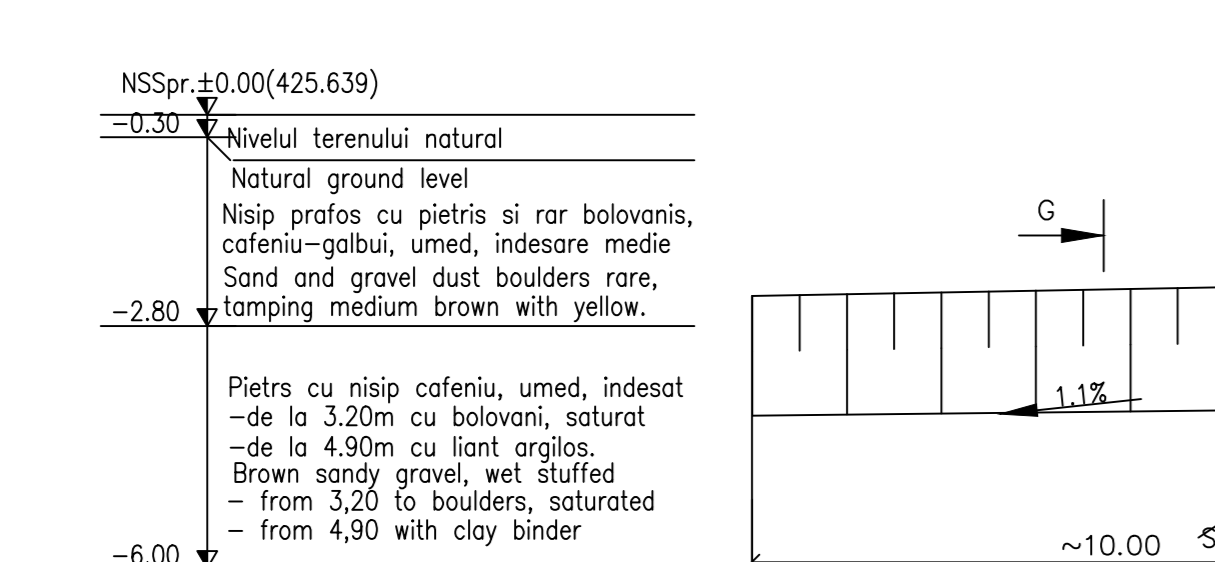
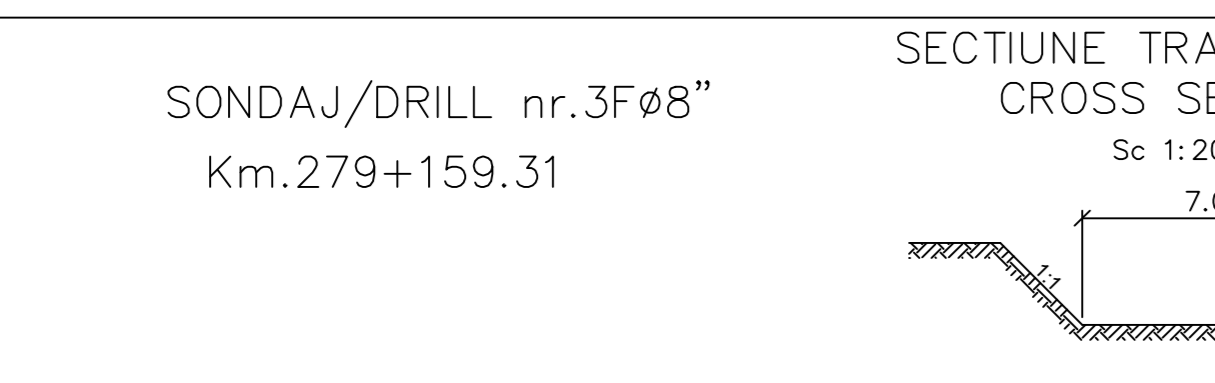
HYDRAULIC DATA

- Hydraulic height: h=1.24m
- Perimeter: P=7.48m
- Surface= A= 6.20m²
- Water low speed= V=3.49mc/s



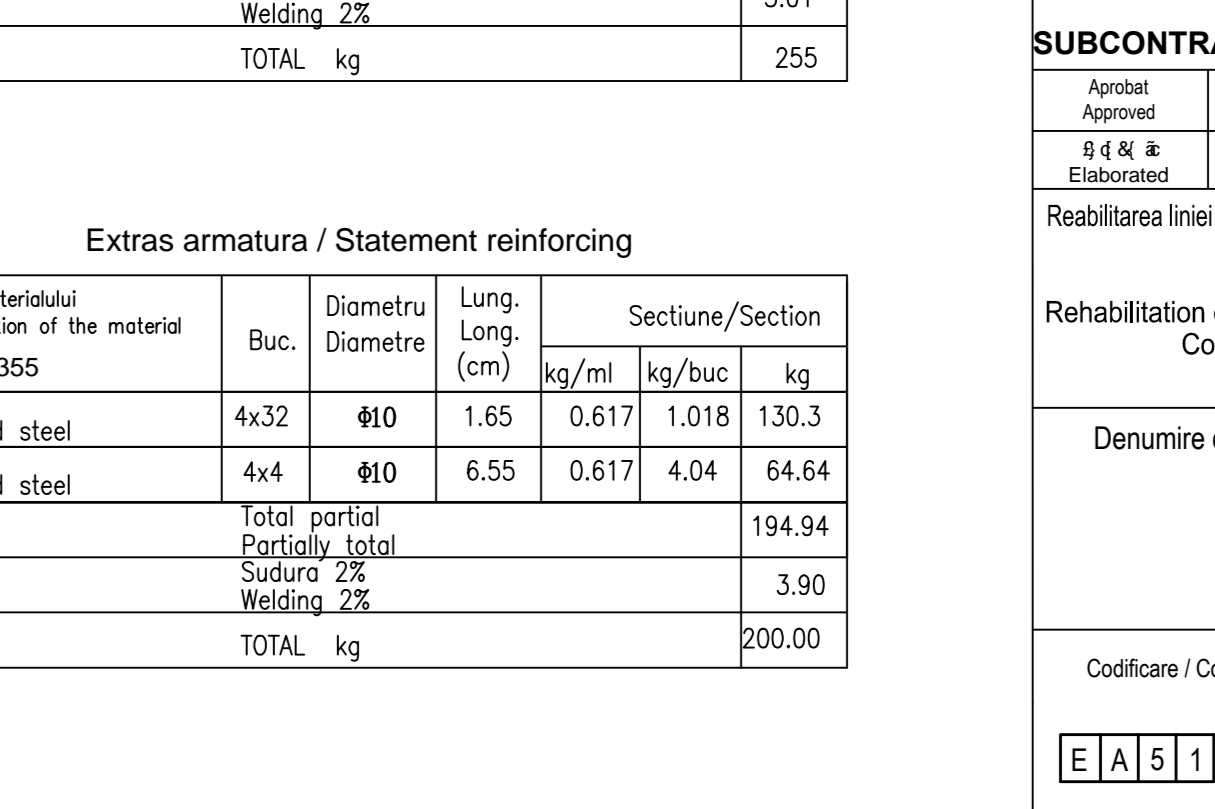
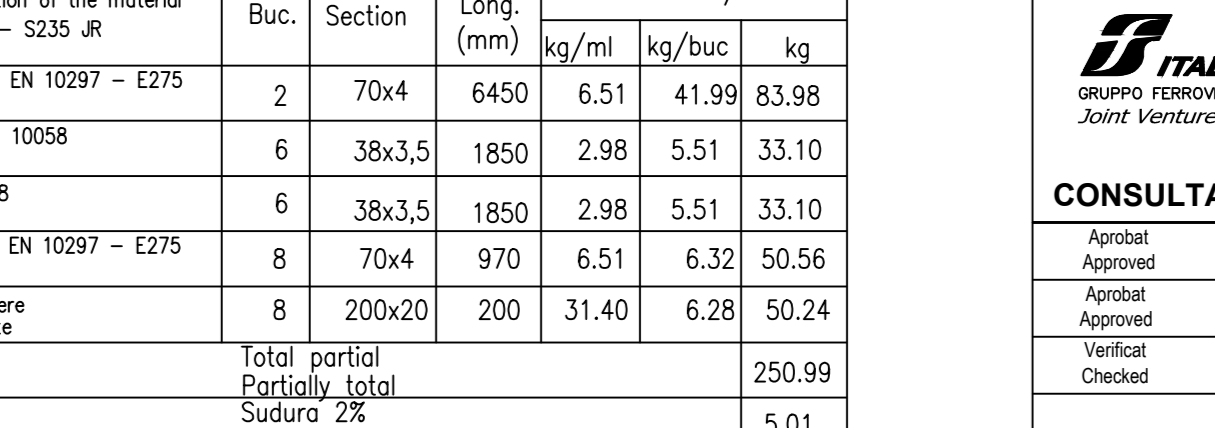
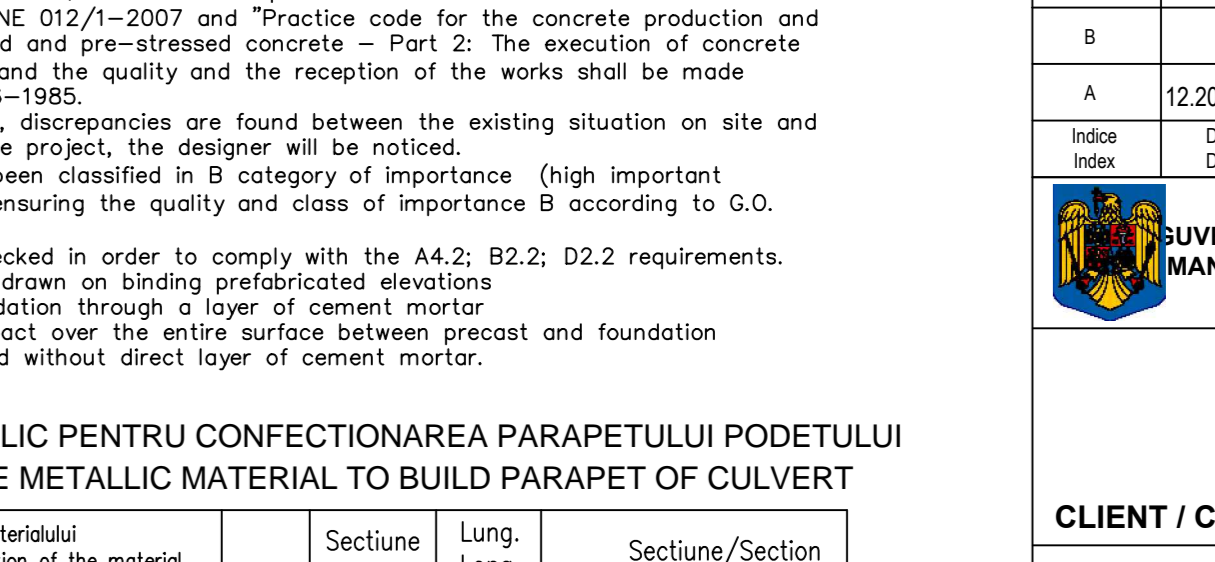
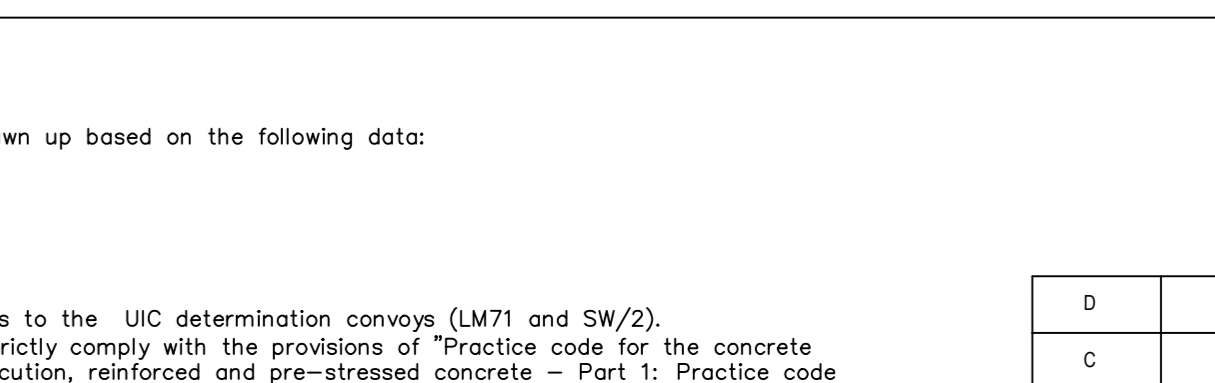
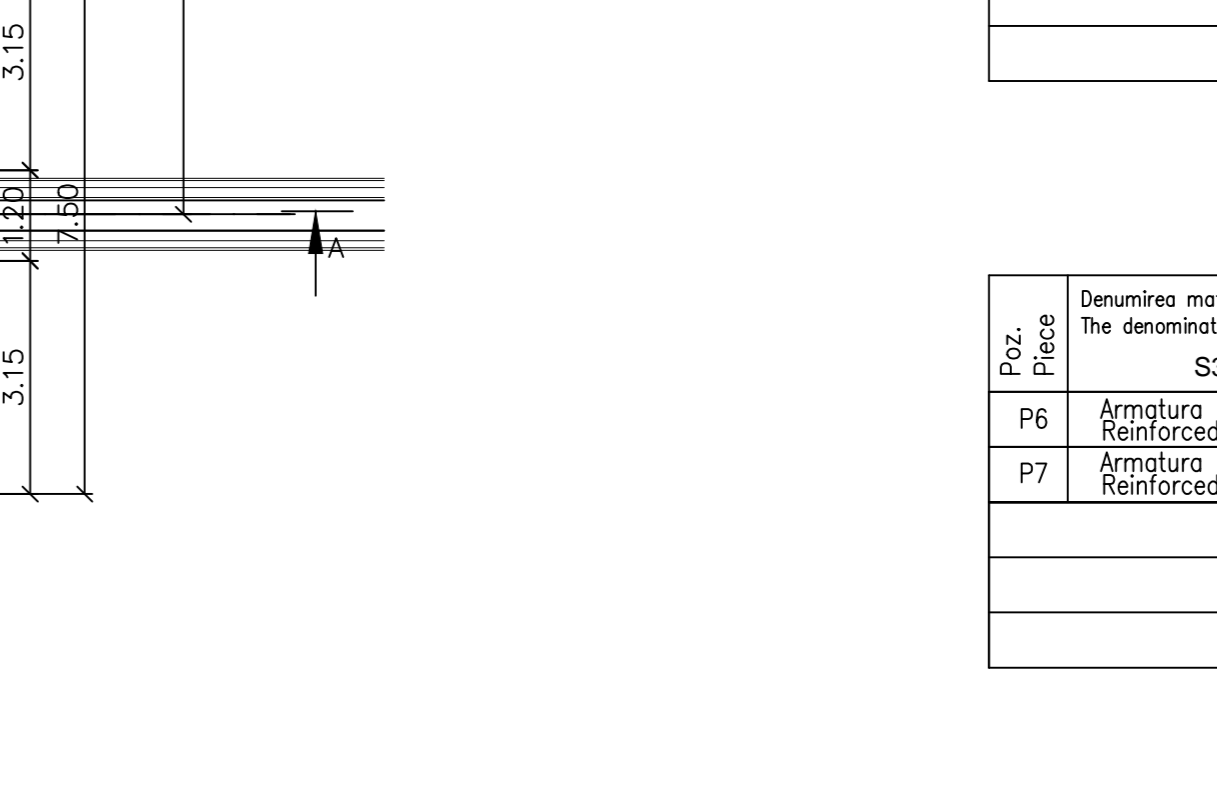
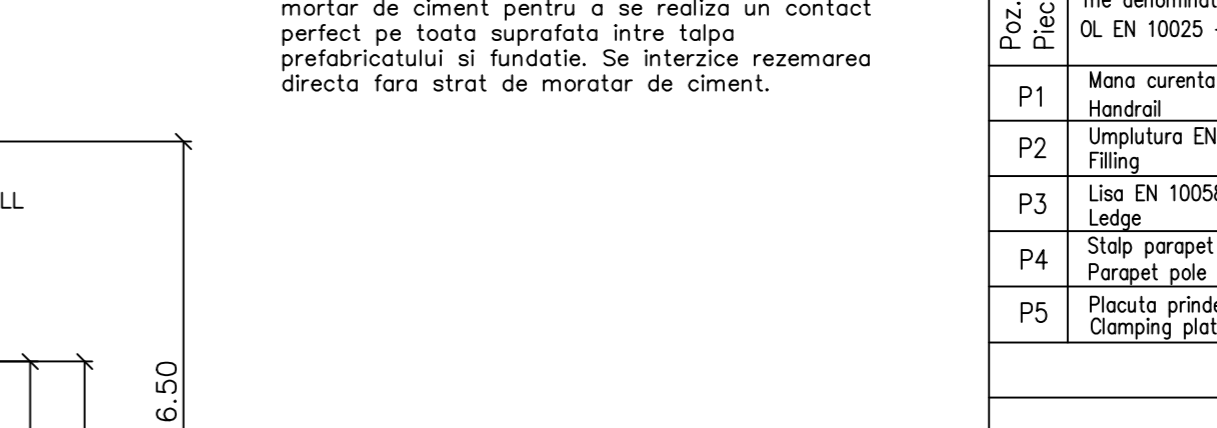
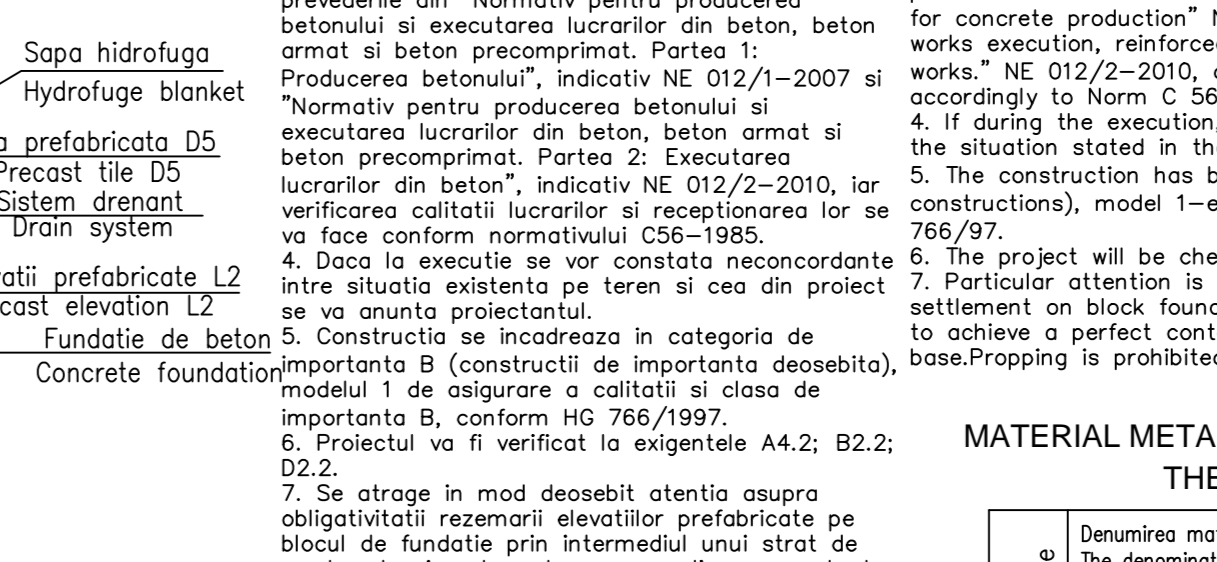
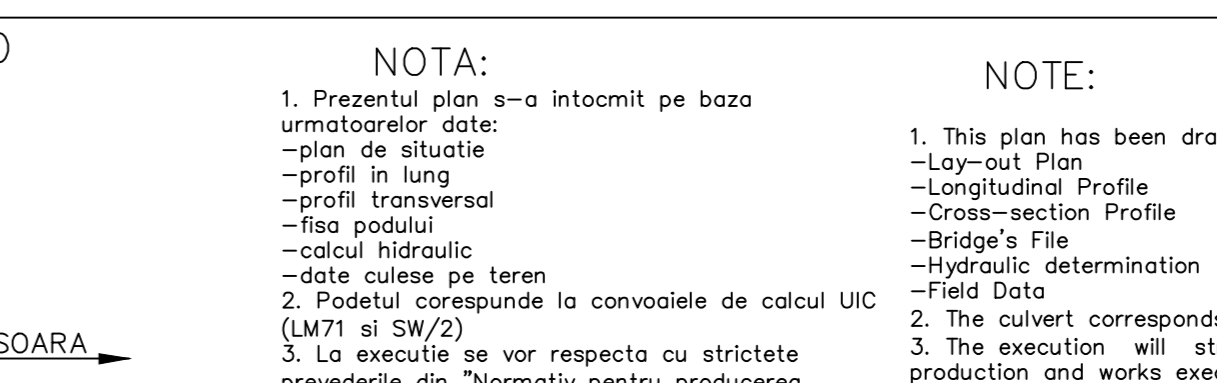
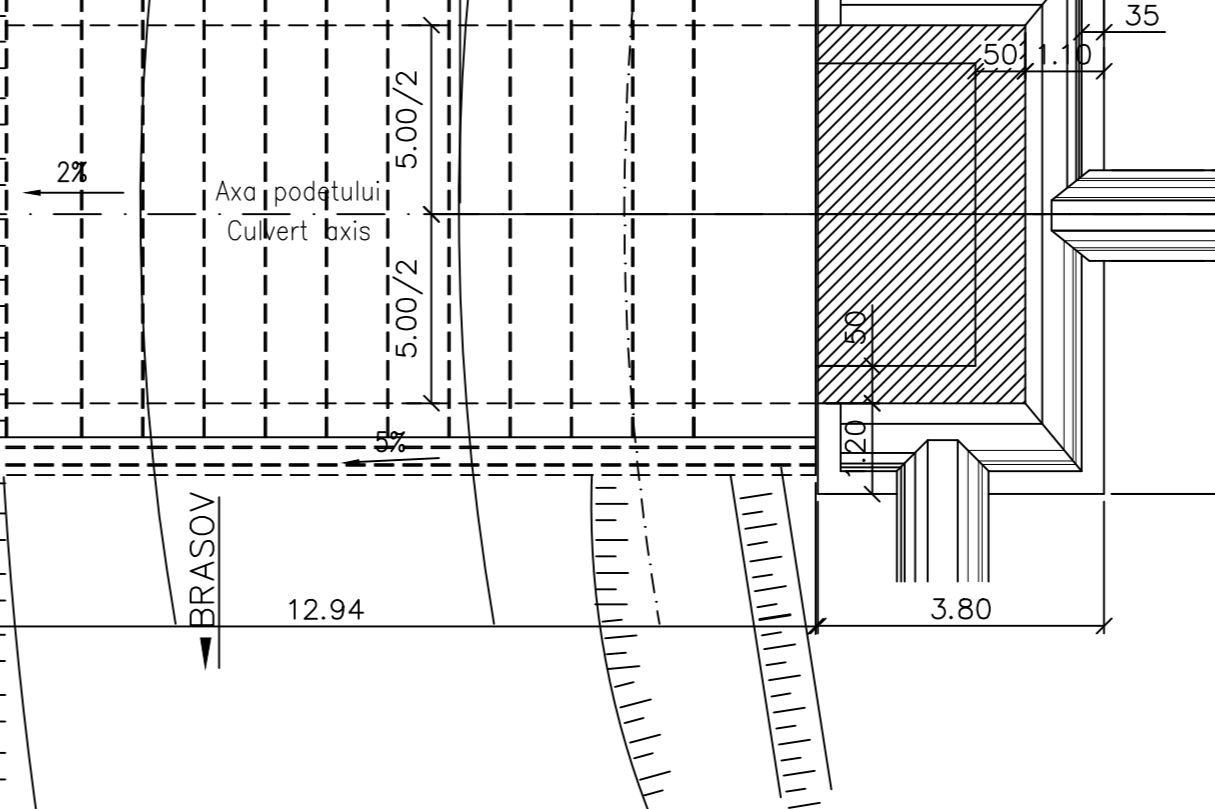
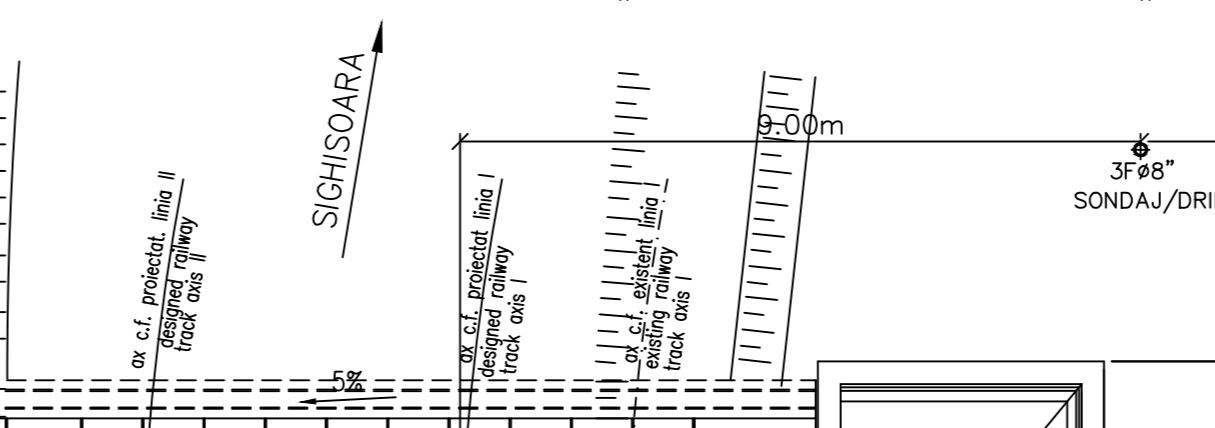
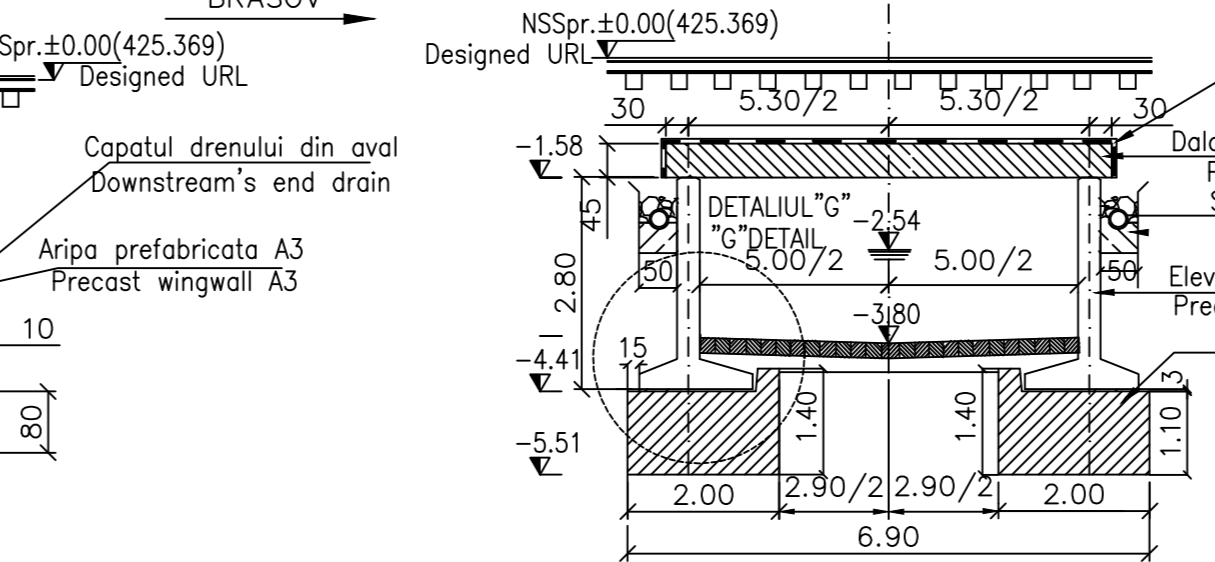
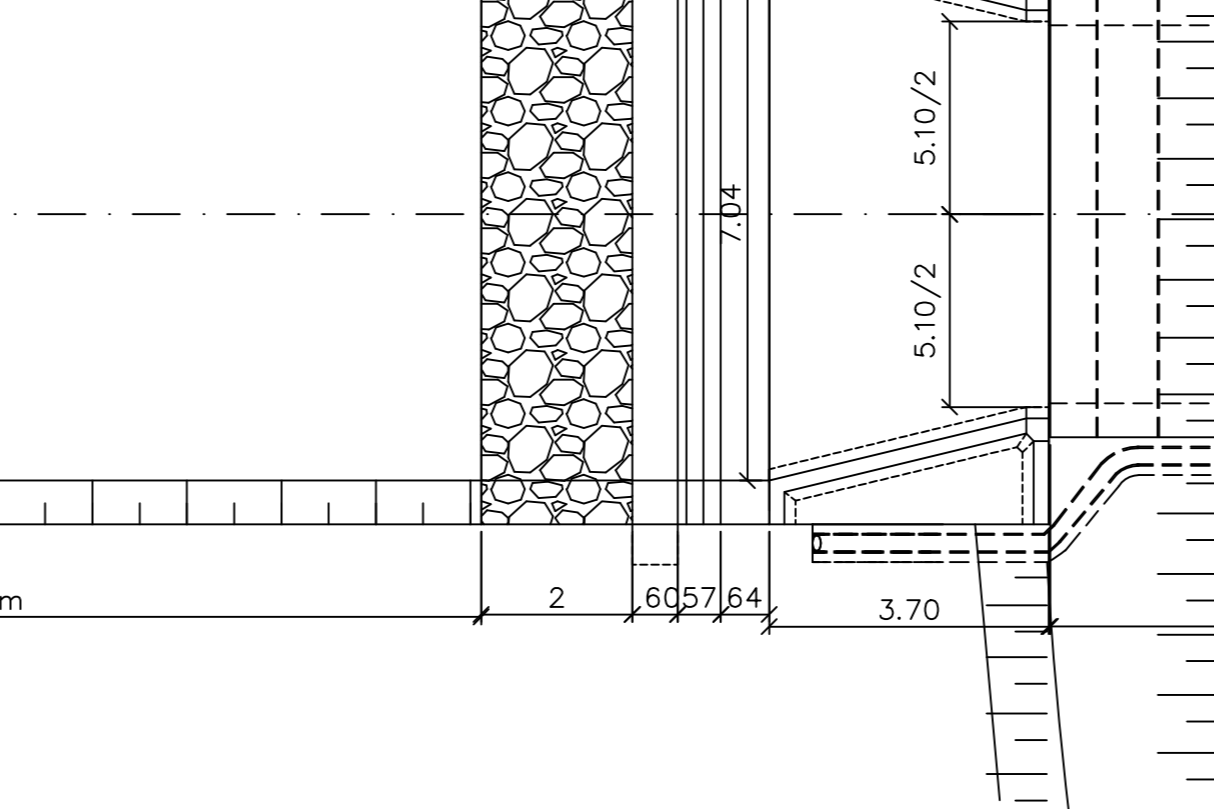
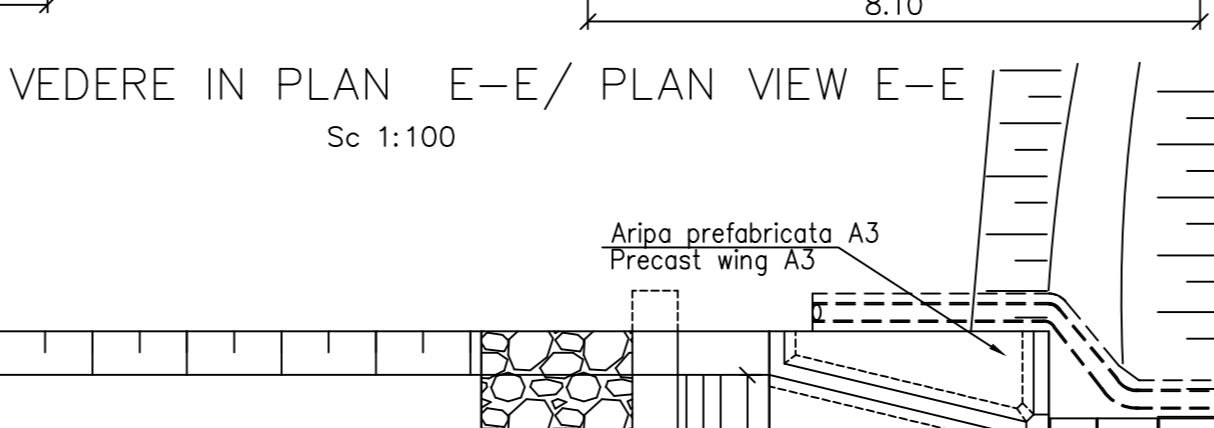
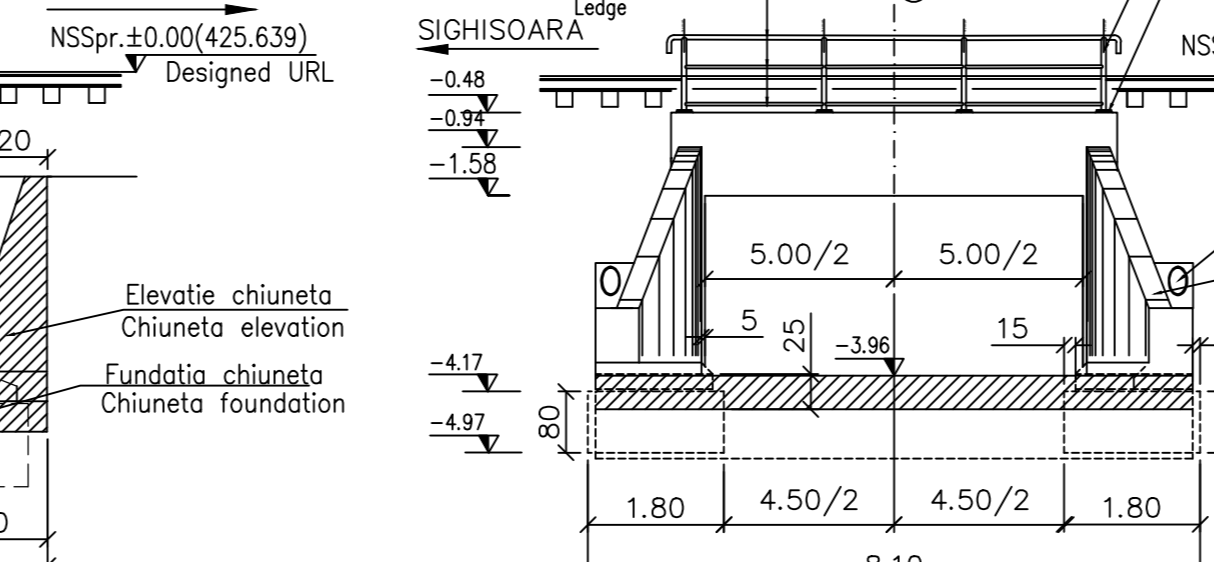
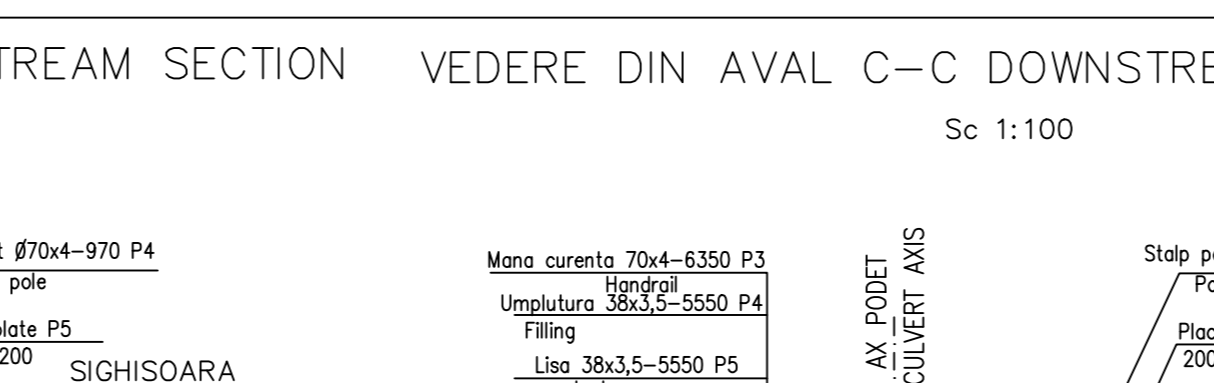
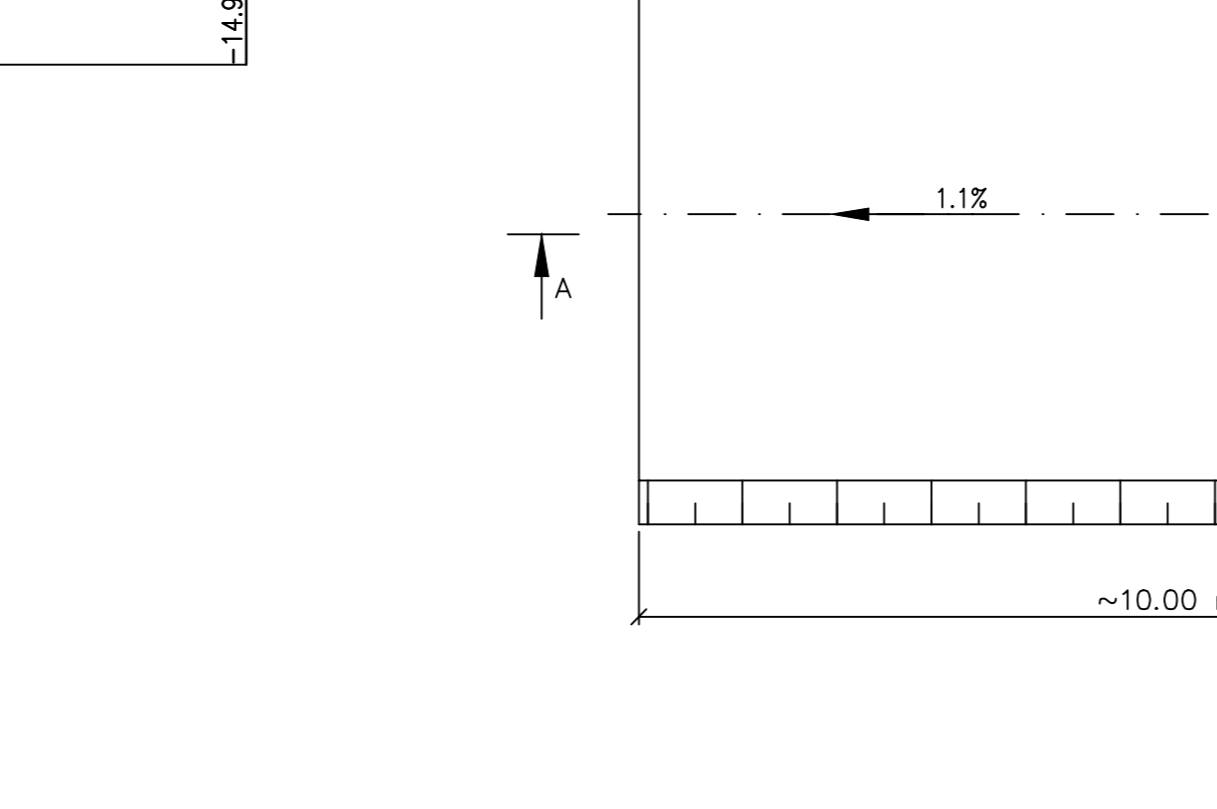
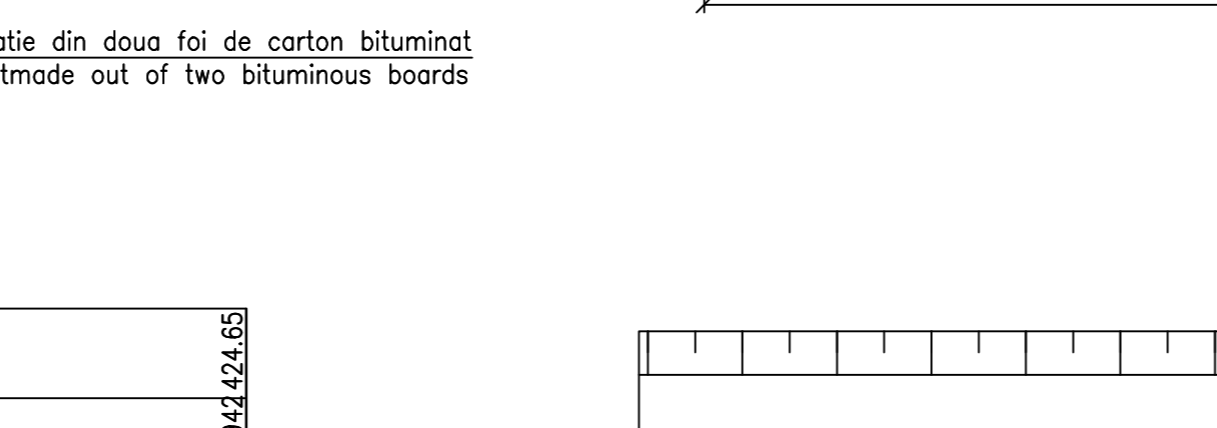
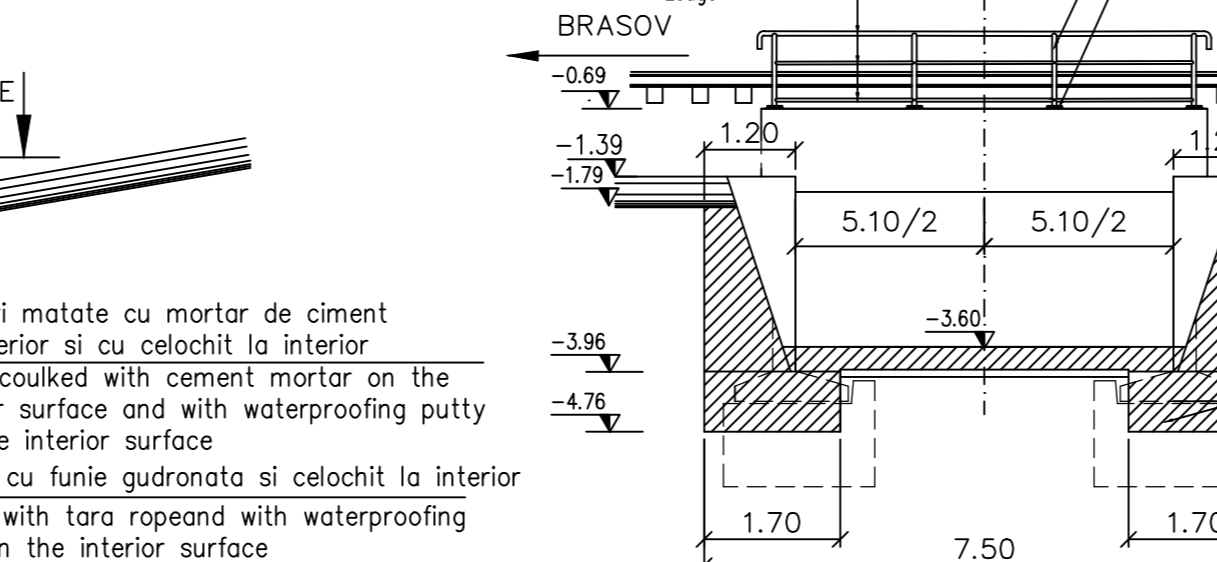
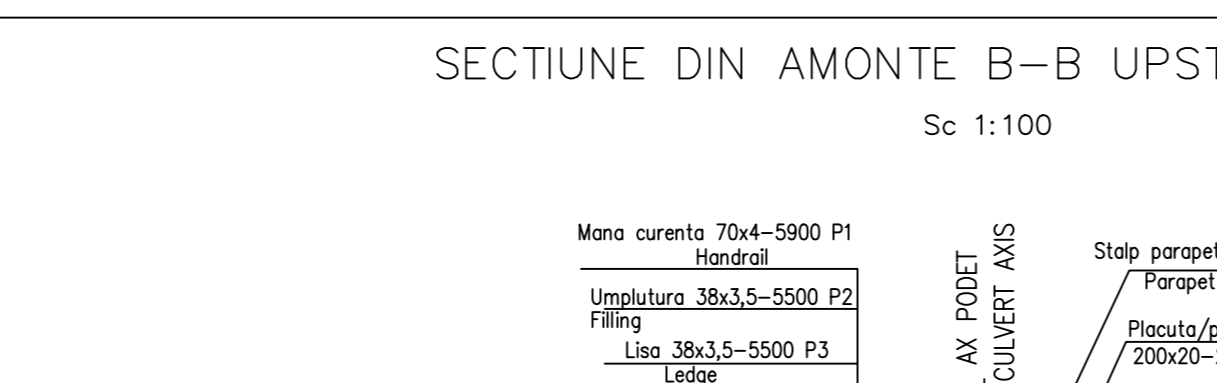
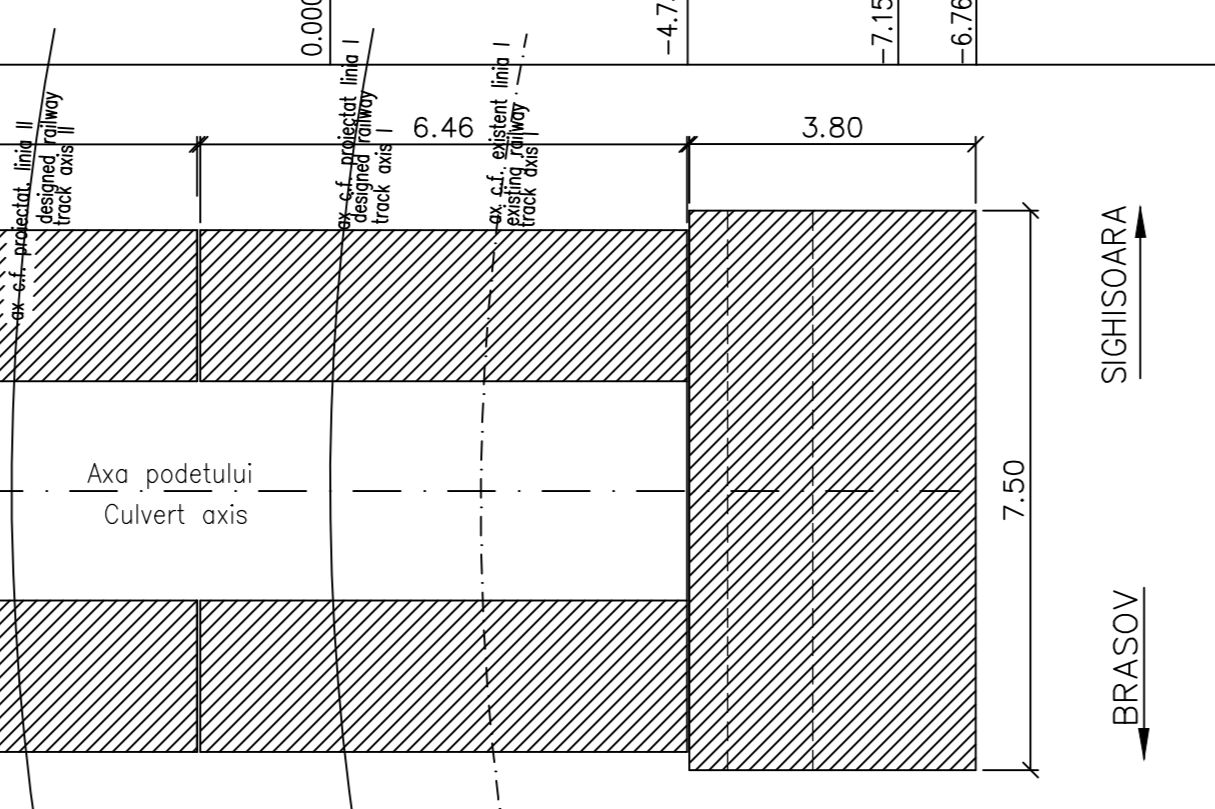
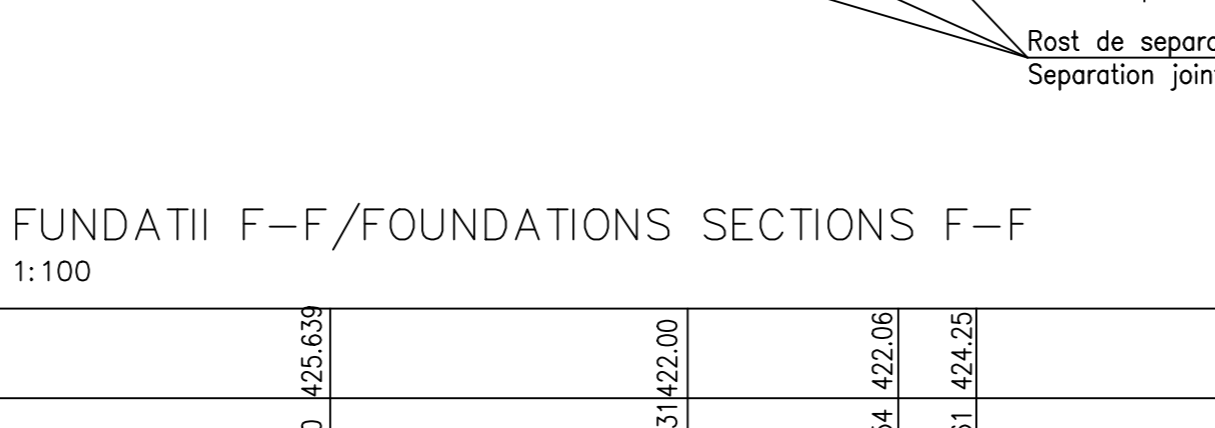
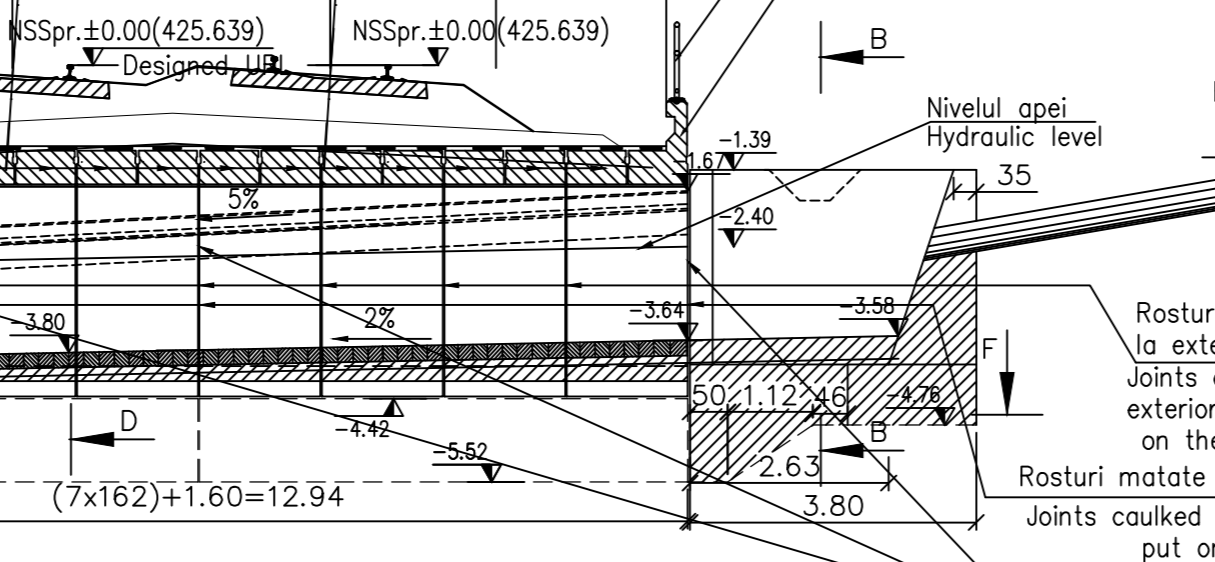
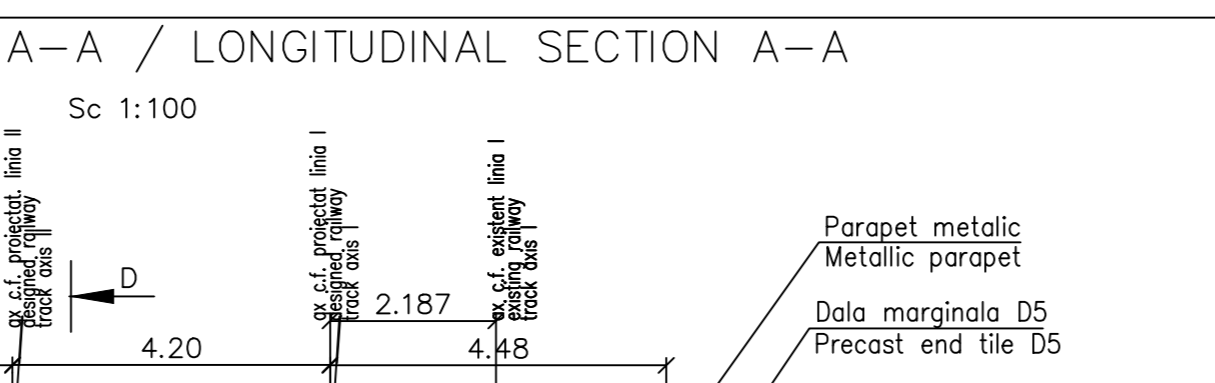
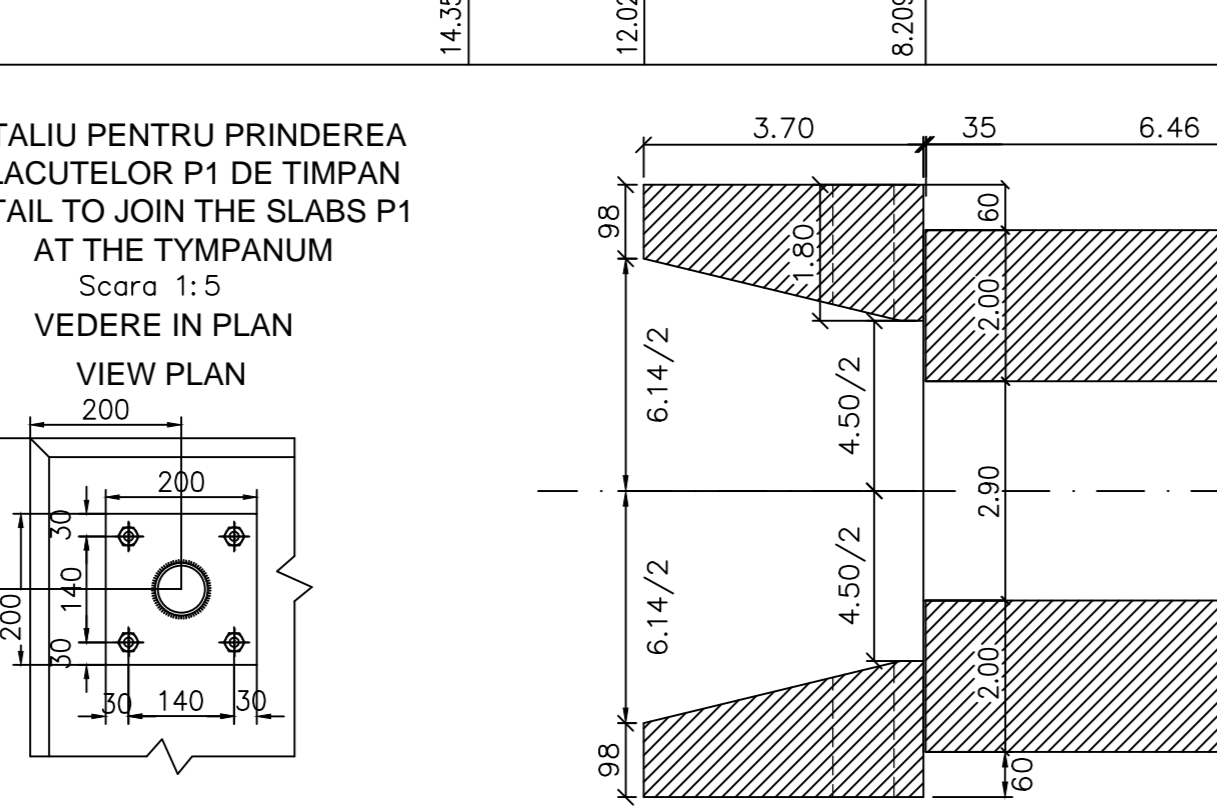
LEGENDA BETOANELOR CONCRETE LIST

- Beton in dale prefabricate din beton precomprimat (D4, D5, etc) Concrete in the prefabricated elements (D4, D5, etc) C35/45-CEM II/A - S 42,5-(XC4+XF3+XA1)-A/C=0.50-Dmax16-CI 010
- Beton in fundatiile podetului si elevatiile monolite Concrete foundations of culvert and elevations cast C25/30-CEM II/A-S 32,5-(XF1)-A/C=0.50-Dmax32 - CI 0.20
- Beton in stratul de protectie al hidroizolatiei Concrete for the waterproofing protection layer C 25/30-CEM II/A-S 32,5-(XC4+XF3)-A/C=Dmax16-CI0.20
- Beton simplu de panta Plain concrete for slope C 25/30-CEM II/A-S 32,5-(XF3)-A/C=0.55-Dmax16-CI 0.20



SECTIUNE PRIN FUNDATII F-F / FOUNDATIONS SECTIONS F-F
Sc 1:100

Cote teren	30.170	416.89	29.000	362.31	22.856	418.49	20.756	418.49	14.354	421.68	12.029	421.68	8.209	421.75	0.000	425.639	-4.731	422.00	-7.154	422.06	-6.761	424.25	-14.942	424.65
Distante cumulate																								



NOTA:

- Prezentul plan s-a intocmit pe baza urmatoarelor date:
 - plan de situatie
 - profil in lung
 - profil transversal
 - fisa podului
 - calculul hidraulic
 - date culese pe teren
- Podul corespunde la convoaiele de calcul UIC (LM71 si SW/2)
- 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 receptiunea lor se va face conform normativului C56-1985.
- Daca la executie se vor constata neconcordante intre situatia existenta pe teren si cea din proiect se va amana proiectiunile.
- Construcția se încadrează în categoria de importanță B (construcții de importanță deosebită), modelul 1 de asigurare a calitatii și clasa de importanță B, conform HG 766/1997.
- Proiectul va fi verificat la exigentele A4.2; B2.2; D2.2.
- Se atrage în mod deosebit atenția asupra obligativității rezemării elevatiilor prefabricate pe blocul de fundație prin intermediul unui strat de mortar de ciment pentru a se realiza un contact perfect pe toata suprafața între talpa prefabricatului și fundație. Se interzice rezemarea directă fără strat de mortar de ciment.

NOTE:

- 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
- The culvert corresponds to the UIC determination convoys (LM71 and SW/2).
- 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.
- 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.
- The construction has been classified in category of importance (high important constructions), model 1-ensuring the quality and class of importance B according to G.O. 766/97.
- The project will be checked in order to comply with the A4.2; B2.2; D2.2 requirements.
- 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.

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

Poz. / Piece	Denumirea materialului / The denomination of the material	Buc.	Section / Section	Lung. / Long. (mm)	Sectiune/Section		
					kg/ml	kg/buc	kg
P1	Mana curenta EN 10297 - E275 Handrail	2	70x4	6450	6.51	41.99	83.98
P2	Umplutura EN 10058 Filling	6	38x3,5	1850	2.98	5.51	33.10
P3	Lisa EN 10058 Ledge	6	38x3,5	1850	2.98	5.51	33.10
P4	Stalp parapet EN 10297 - E275 Parapet pole	8	70x4	970	6.51	6.32	50.56
P5	Placuta prindere Clamping plate	8	200x20	200	31.40	6.28	50.24
Total partial / Partially total							250.99
Sudura 2% / Welding 2%							5.01
TOTAL					kg		255

Extras armatura / Statement reinforcing

Poz. / Piece	Denumirea materialului / The denomination of the material	Buc.	Diametru / Diametre (cm)	Lung. / Long. (cm)	Sectiune/Section		
					kg/ml	kg/buc	kg
P6	Armatura Reinforced steel	4x32	ø10	1.65	0.617	1.018	130.3
P7	Armatura Reinforced steel	4x4	ø10	6.55	0.617	4.04	64.64
Total partial / Partially total							194.94
Sudura 2% / Welding 2%							3.90
TOTAL					kg		200.00

Se interzice copierea, difuzarea, imprumutarea sau utilizarea in alte scopuri fara permisiunea AREX LIDER COMPANY ca proprietar al desenei
This drawing is forbidden to be copied, lent or user in other purposes, than those previously approved by AREX LIDER COMPANY as owner

D					
C					
B					
A	12.2011	Revizia 1		Ioan Rentea	
Index	Date	Modificari / Modification/Revision	Proiectant / Designer	Proiectant / Designer	Proiectant / Designer



CLIENT / CLIENT

Proiectant / Designer	Proiectant / Designer	Proiectant / Designer	Proiectant / Designer
-----------------------	-----------------------	-----------------------	-----------------------

CONSULTANT / CONSULTANT

Proiectant / Designer	Proiectant / Designer	Proiectant / Designer	Proiectant / Designer
-----------------------	-----------------------	-----------------------	-----------------------

SUBCONTRACTANT / SUBCONTRACTOR

Proiectant / Designer	Proiectant / Designer	Proiectant / Designer	Proiectant / Designer
-----------------------	-----------------------	-----------------------	-----------------------

Reabilitarea liniei de cale ferata Brasov - Simeria, parte componenta a coridorului IV Pan European, pentru circulatia trenurilor cu viteza maxima de 160 km/h.
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.

Proiect/Project 2004/RO/16/PPA/003

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

INTERVAL / SECTION ARCHITA - VANATORI
PODET km 262+918.202 / DISPOZITIE GENERALA
CULVERT Km 262+918.202 / GENERAL LAYOUT

Codificare / Codification System

Scara / Scale 1:100	LOT / LOT	Nr. / No 01/01
---------------------	-----------	----------------