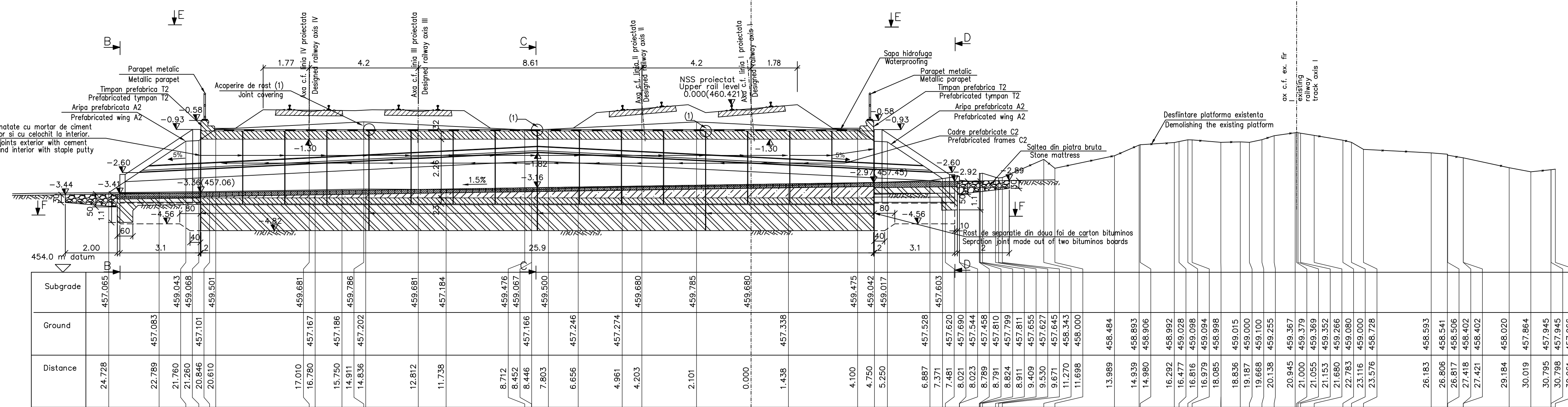
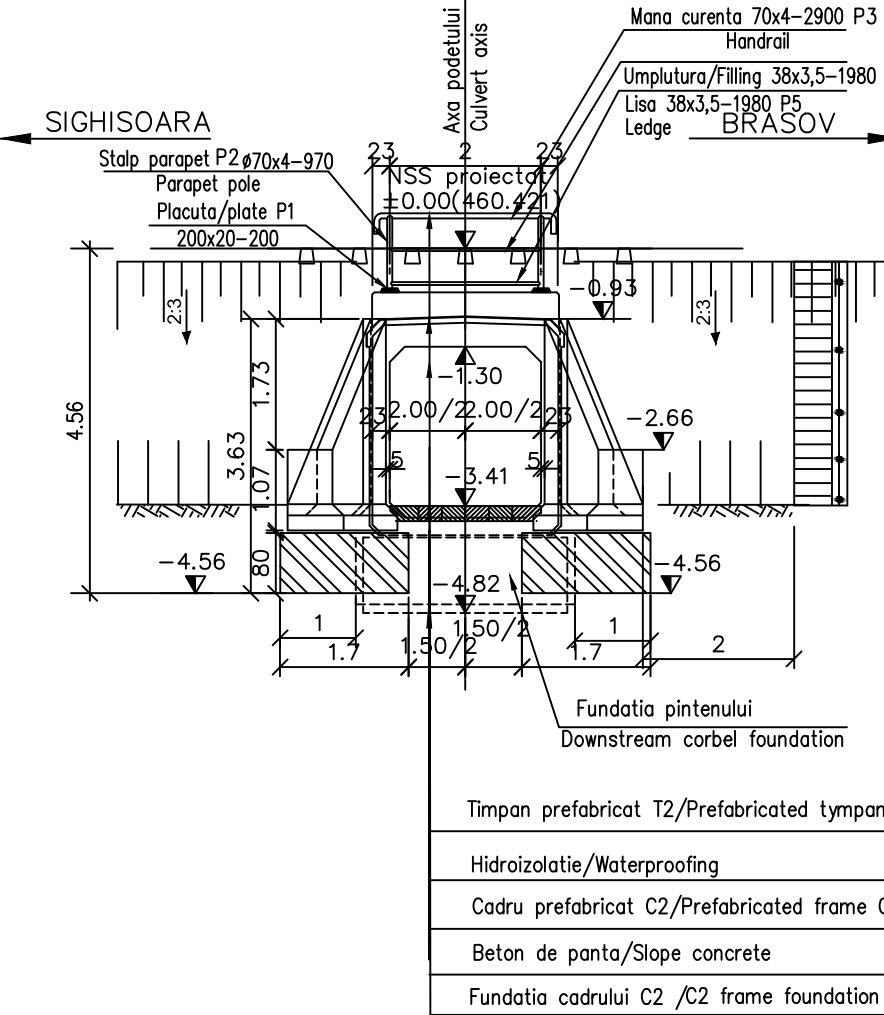


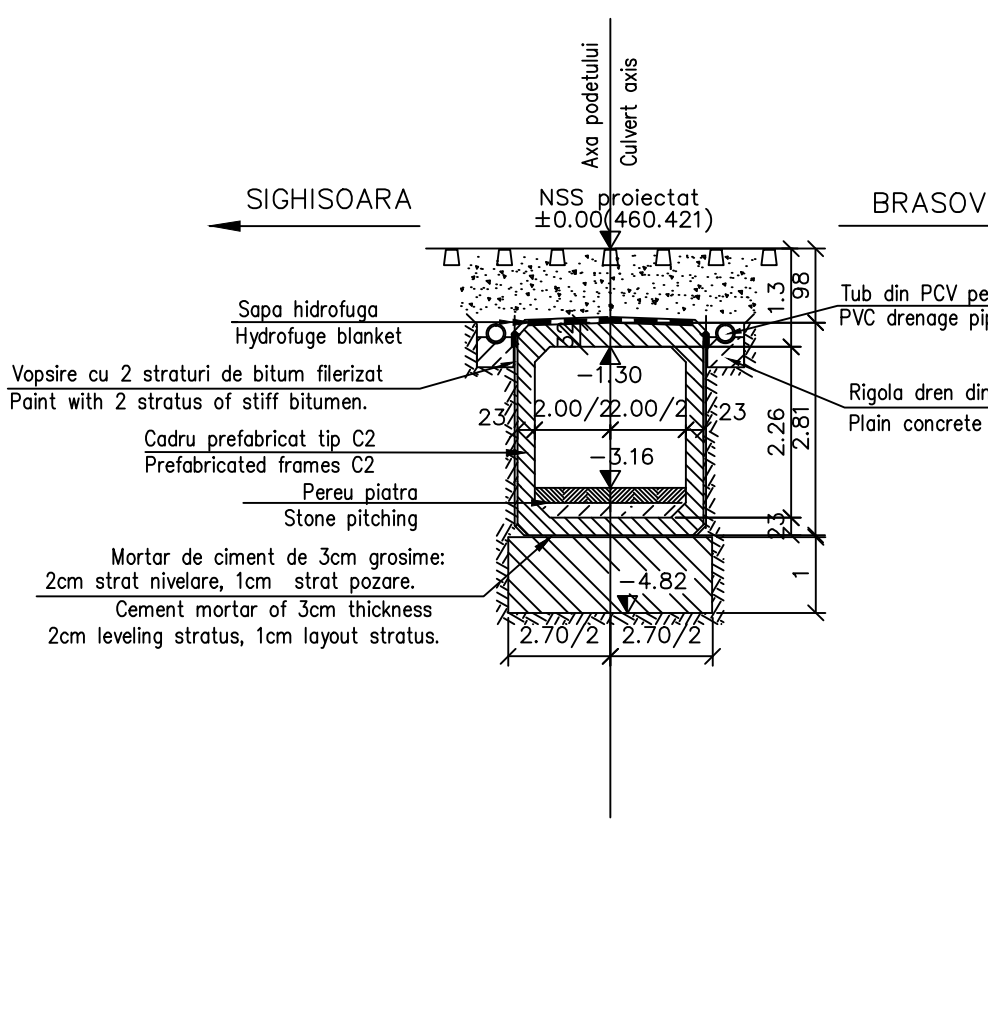
SECTIUNE LONGITUDINALA A-A
A-A LONGITUDINAL SECTION
scara 1:100



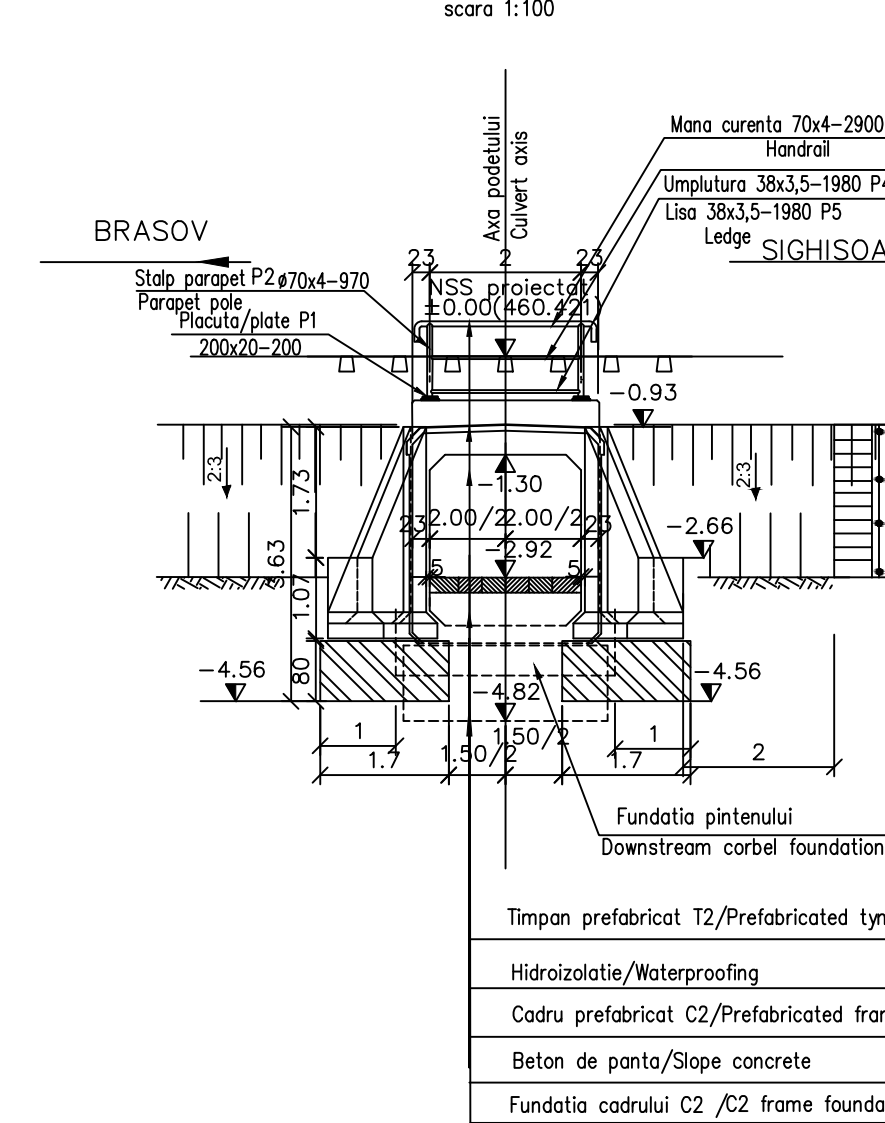
SECTIUNE B-B
B-B SECTION
scara 1:100



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

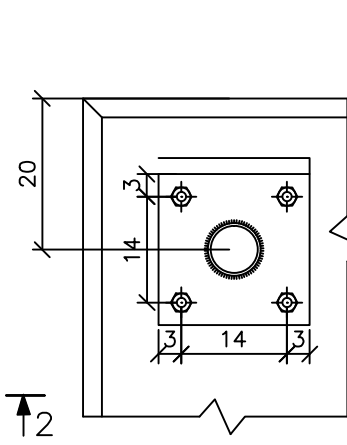


SECTIUNE D-D
D-D SECTION
scara 1:100

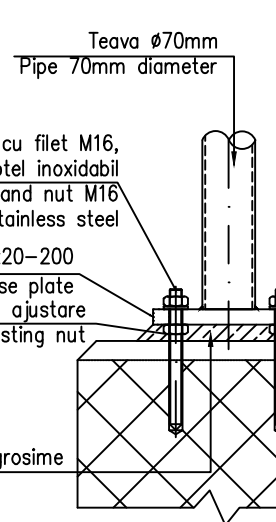


DETALIU PENTRU PRINDEREA PLACUTELOR P1 DE TIMPAN
DETAIL TO JOIN THE SLABS P1 AT THE TYMPANUM

VEDERE IN PLAN 1-1
1-1 VIEW PLAN



SECTIUNE 2-2
2-2 SECTION

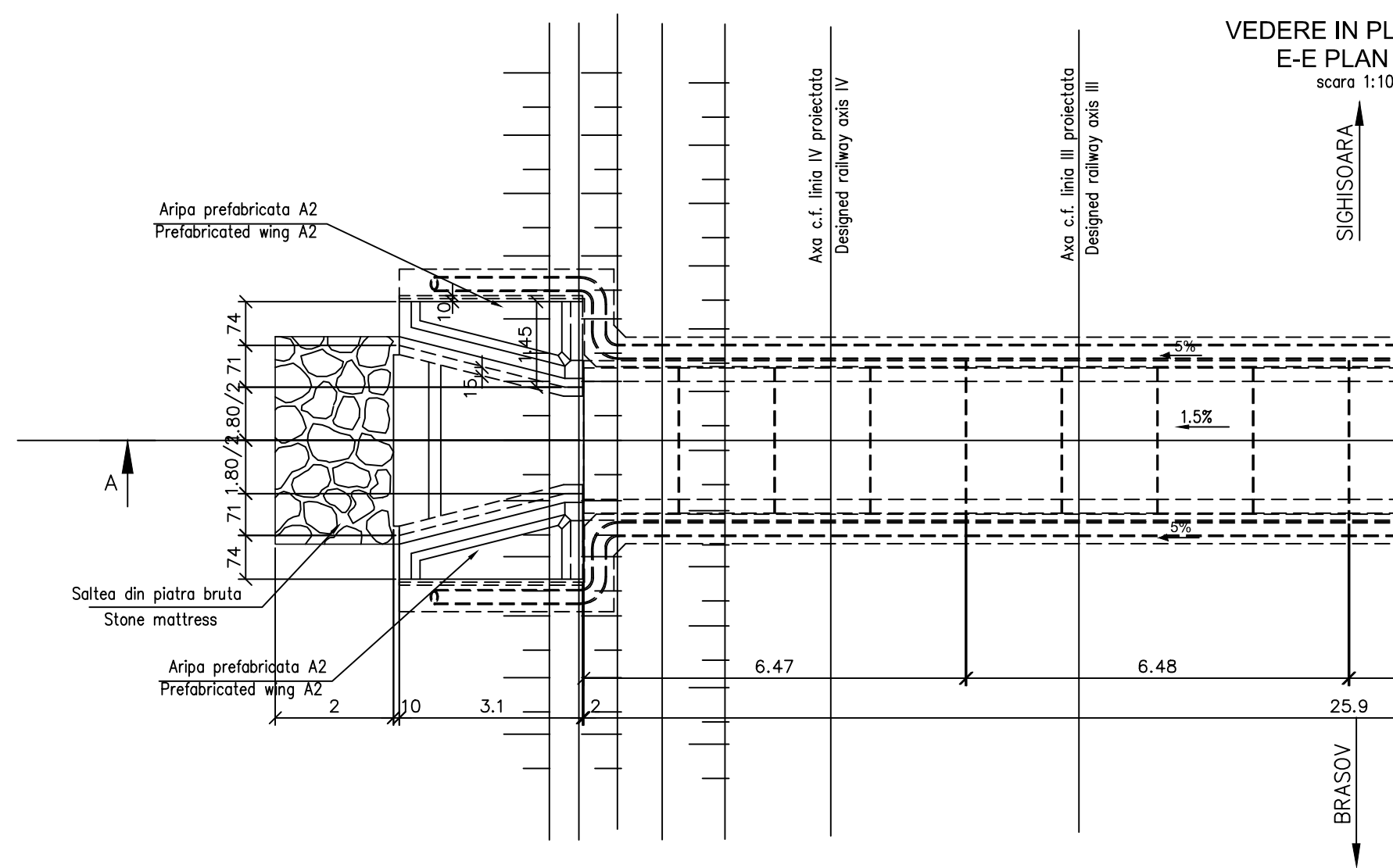


LEGENDA BETOANELOR
CONCRETE LIST

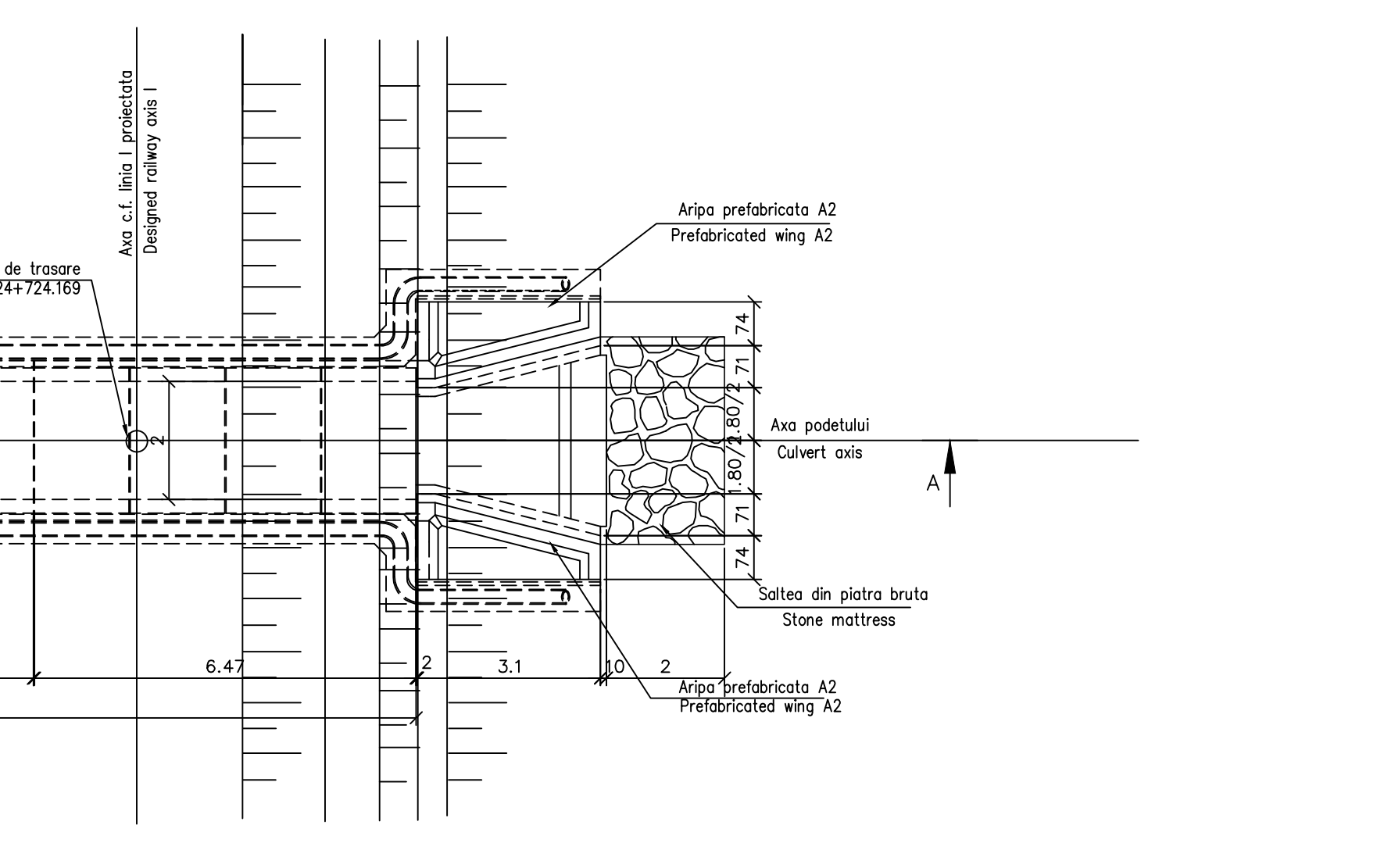
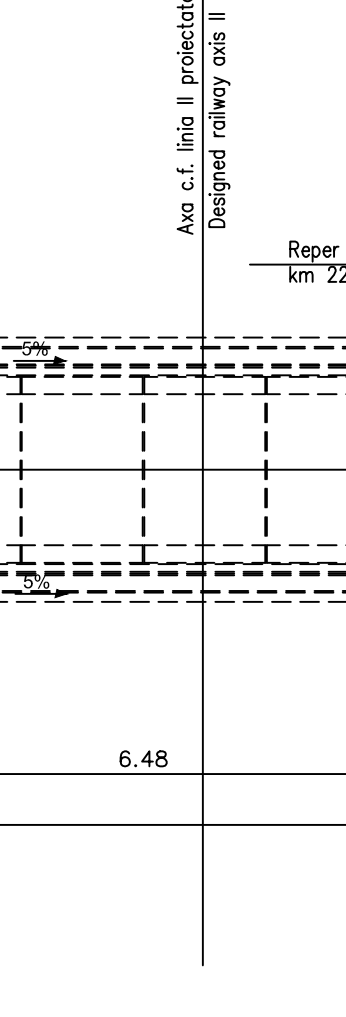
	Beton in elementele prefabricate Concrete for prefabricated elements C35/45-CEM II/A-S32,5-(XC4+XF3+XA1)-A/C=0,50-Dmax22-Ci0.20
	Beton in fundatia podetelor, a elementelor de racordare (aripi, pnteni), in peruu Concrete for the foundations of culverts, of connecting elements (wings, breakwaters), in pitching C25/30-CEM II/A-S 32,5-(XF1)-A/C=0,50-Dmax32-Ci0.20
	Beton in rigola drenurilor Concrete for the drain gutters C25/30-CEM II/A-S 32,5-(XC4+XF3+XA1)-A/C=0,50-Dmax32-Ci0.20
	Beton de panta Slope concrete C25/30-CEM II/A-S 32,5-(XF3)-A/C=0,55-Dmax16-Ci0.20

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 conveyer (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
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 (B (structuri de importanta B, conform HG 765/1997).
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. Prepping is prohibited without direct layer of cement mortar.

NOTA:
1. Prezenta plan s-a intocmit pe baza urmatoarelor date:
- plan de situatie
- profil in lung
- profil transversal
- fişa podului
- calcul hidraulic
- date culise pe teren
2. Podul corespunde la convoltele de calcul UIC (LM71 si SW/2).
3. La executie se vor respecta cu strictitate 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.
4. Daca la executie se vor constata neconcordante intre situatia existenta pe teren si cea din proiect se va anunta proiectantului.
5. Constructia se incadreaza in categoria de importanta B (structuri de importanta deosebita), modelul 1 de asigurare a calitatii si clasa de importanta B, conform HG 765/1997.
6. Proiectul va fi verificat la exigentele A4.2; B2.2; D2.2.
7. Se atrage in mod deosebit atentie 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 intre tapla prefabricatului si fundatie. Se interzice rezemarea directa fara strat de mortar de ciment.



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



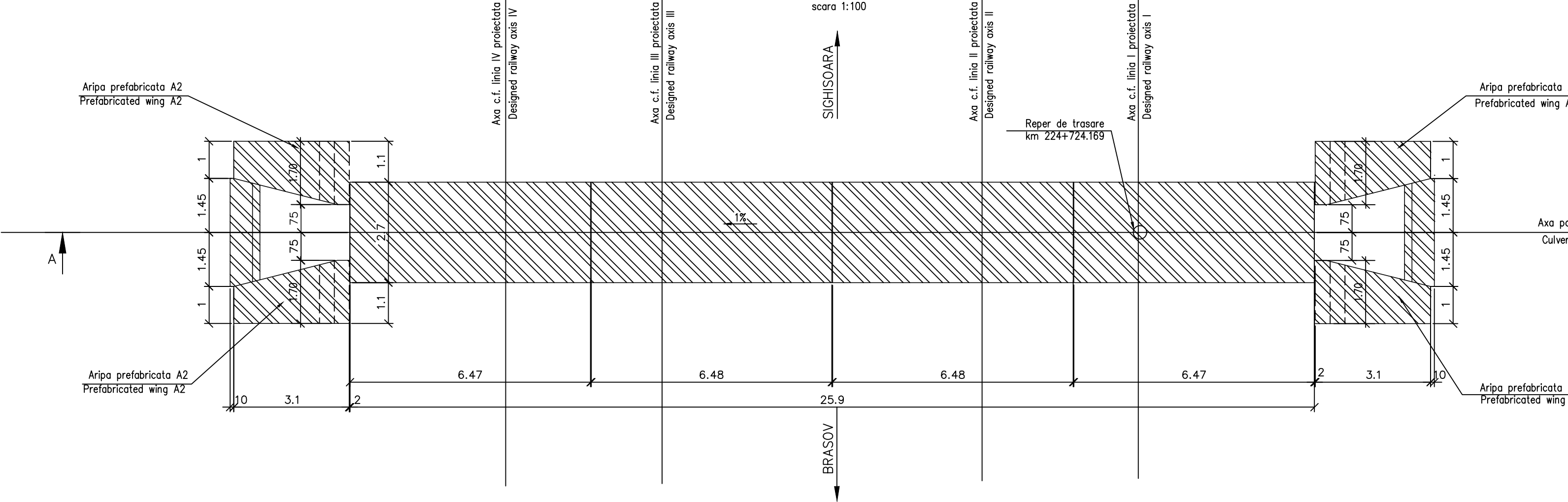
DATE HIDRAULICE:
- Inaltimea de apa: h=0,50m
- Perimetrul udat: P=3,00m
- Aria udata: A=1,00m²
- Viteza de curgere a apei: V=2,22m/s

HIDRAULIC DATA:
- Hydraulic height: h=0,50m
- Perimeter: P=3,00m
- Filling: A=1,00m²
- Water flow speed: V=2,22m/s

NOTA
Numar de elemente prefabricate
- Cadre C2 : 16buc
- Aripi prefabricate A2: 4buc.

NOTE
Number of precast section
- Prefabricated frames C2 : 16pcs.
- Prefabricated wings A2 : 4pcs.

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



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

Pos. Piece	Denumirea materialului The denomination of the material OL EN 10025 - S235 JR	Buc.	Sectiune Section (mm)	Lung. Long. (mm)	Sectiune / Buc kg/m	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	Mano curenta EN 10297 - E275 Handrail	2	70x4	2890	6,51	18,88	37,76
P4	Umplutura EN 10058 Filling	2	38x3,5	1990	2,98	5,90	11,80
P5	Lisa EN 10058 Ledge	2	38x3,5	1990	2,98	5,90	11,80
Total partial							111,74
Partially total							111,74
Sudura 2% Welding 2%							2,24
TOTAL							115

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D					
C					
B					
A	12.2011	Revizia 1		Ionela Ungureanu	
Index	Date	Modificari	Proiectant	Approbat	Approbat CFR
	Date	Modificari/Revision	Designer	Approved Consultant	Approved CFR

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

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

CLIENT / CLIENT

ITALFER
GRUPPO FERROVIE DELLO STATO
Joint Venture leader

Scott
Wilson

OBERMEYER
PLANEN + BERATEN GmbH

TECNIC
Consulting Engineers

Consultant / Consultant	Date	Semn tur
Approbat Approved		
Approbat Approved		
Verificat Checked		
Approbat Approved		
Approbat Approved		
Elaborat Elaborated		

REABILITAREA LINIEI DE CALE FERATA
IV Pan European, pentru circula in trenurilor cu viteza maxim de 160 km/h,
Tronsoanel: Brasov - Sighisoara
Coridor, for the trains circulation with maximum speed of 160 km/h,
Section : Brasov - Sighisoara

Proiect/Project
2004/RO/16/P/PA/003
Faza / Phase:
P.Th. / T.D.

Denumire desen / Drawing Title :
INTERVAL / SECTIUNE RACOS - CATA
PODET - KM 224+724.169 / KM 224+724.169 - CULVERT
DISPOZITIE GENERALA / GENERAL DISPOSITION

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