

[illegible][illegible]

Technical drawing of a reinforced concrete pile cap (Pila) and its base (Radier).

Dimensions:

- Pile cap height: 9.00
- Pile cap width: 3.80
- Base thickness: 1.80
- Base width: 10.00 (1.95 + 3.80 + 1.95)
- Distance between piles: 3.00
- Distance from edge to pile center: 0.85

Labels:

- Elevație pila din beton armat
- Radier din beton armat
- 10 cm - Beton de egalizare
- Piloți forati Ø1200 din beton armat, L=20.00m

Elevație pila
din beton armat

Radier din
beton armat

10 cm - Beton de egalizare

Piloți forati Ø1200
din beton armat, L=20.00m

6.80

45

3.00

85

x

Technical drawing showing a cross-section of a reinforced concrete slab (Radier din beton armat) with dimensions and labels:

- Overall width: 10.70
- Overall height: 1.80
- Labels:
 - Radier din beton armat
 - 10 cm - Beton de egalizare
 - Piloti forati Ø1200 din beton armat, L=20.00m
- Dimensions for the slab and reinforcement:
 - 85 (width of the slab edge)
 - 3.00 (spacing between reinforcement bars)
 - 10.70 (total width)
 - 3.00 (spacing between reinforcement bars)
 - 85 (width of the slab edge)



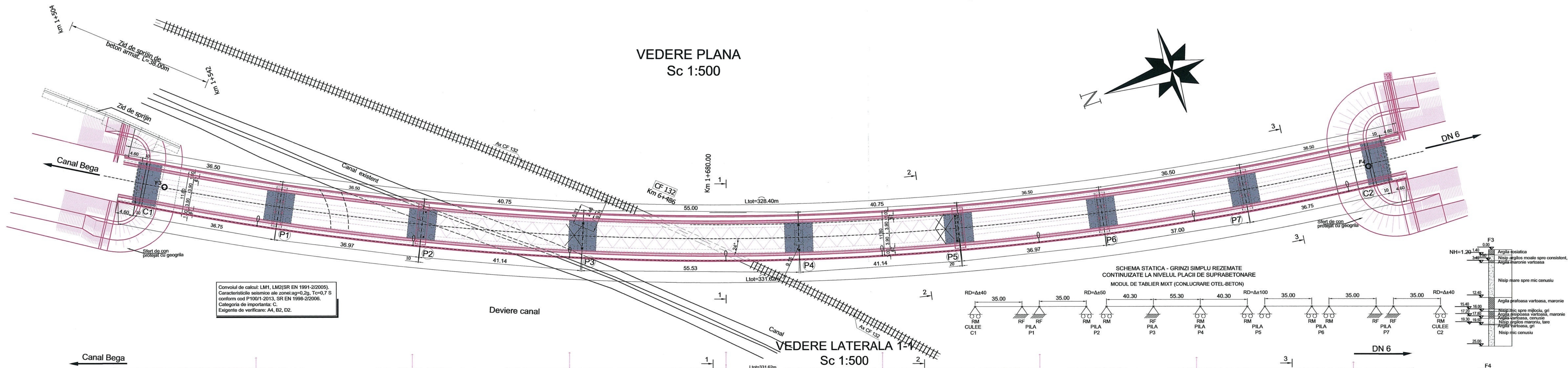
NUMAR CONTRACT: 550/36/09.02.2023

Data : 03.2023

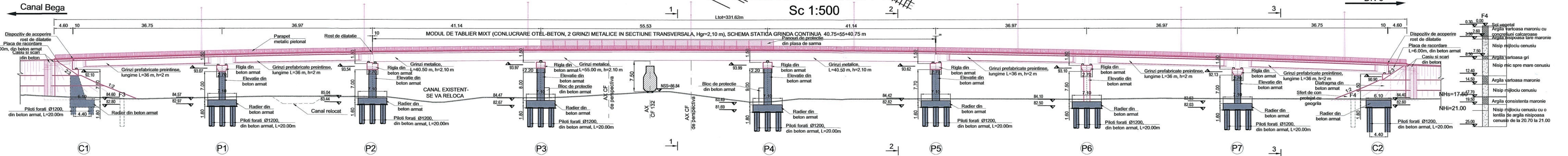
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DENUMIRE PLANSĂ		
SAJ KM 1+528 PESTE CF 132 TIMISOARA VEST-CRUCENI		
ELEVUL LUCRĂRII EXECUTATE		
Scara :	1:100	1:500
NUMAR PLANSĂ		
10036-VOTM-STR02-RLV-01		

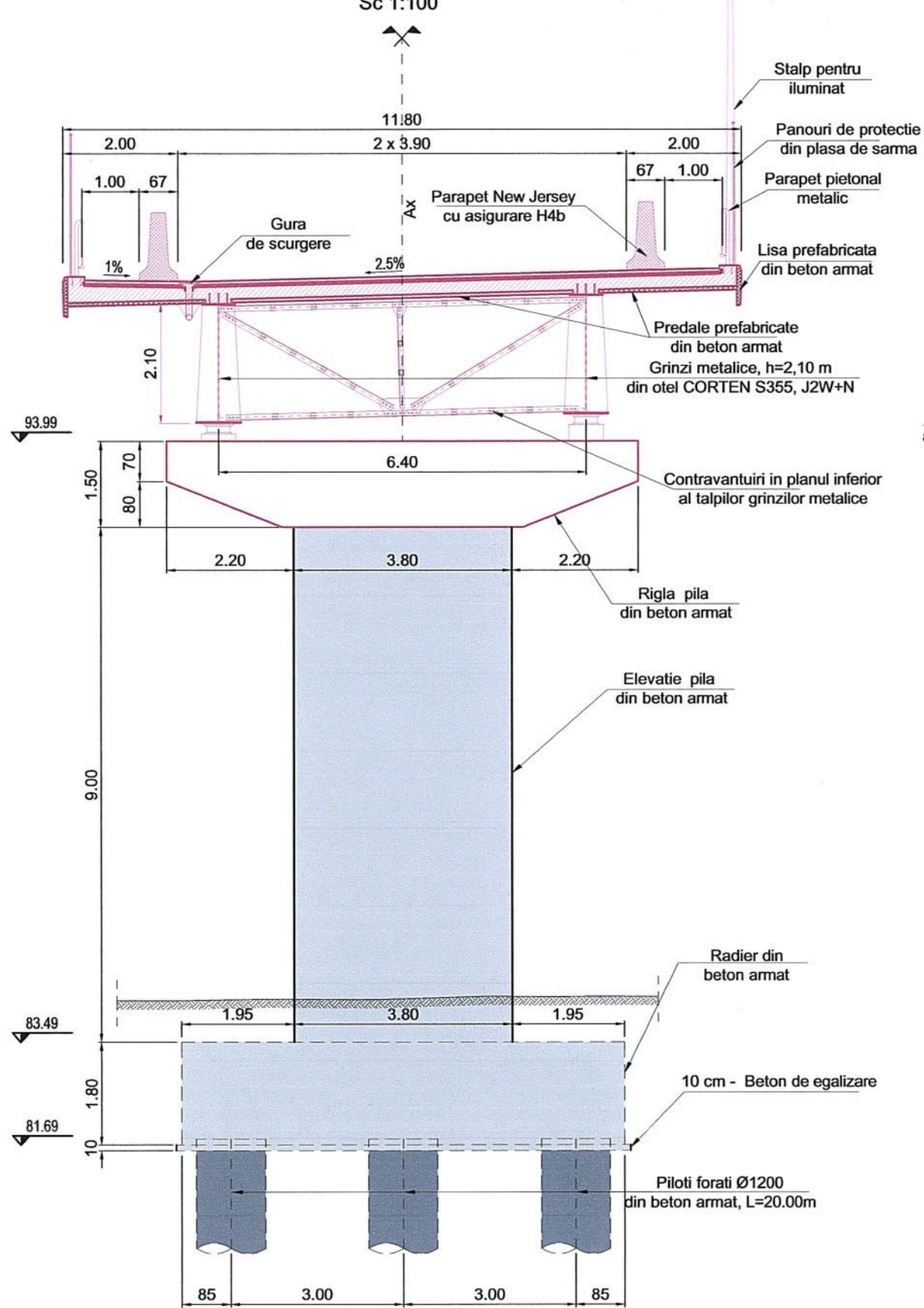
VEDERE PLANA
Sc 1:500



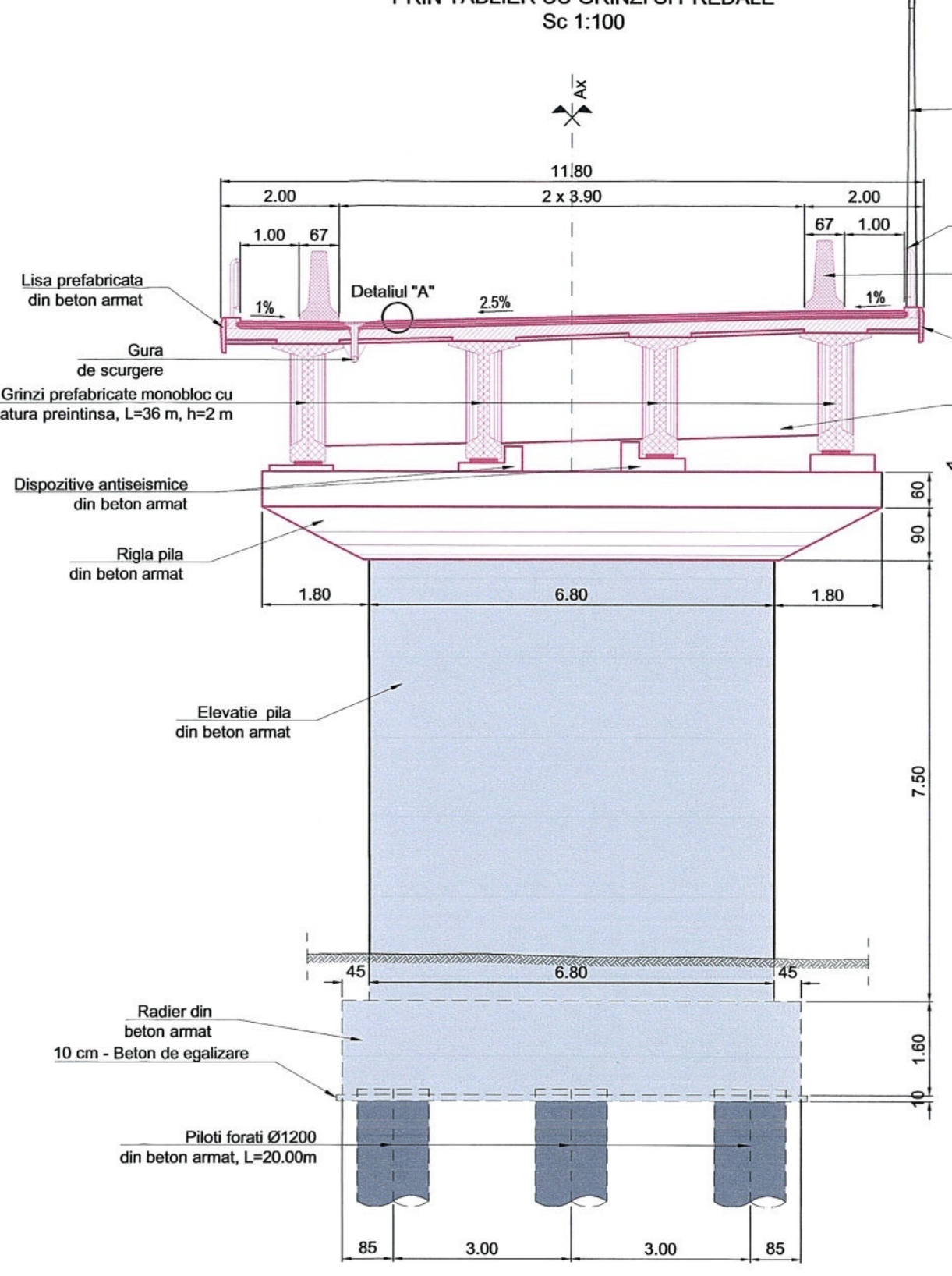
Conținutul de calcul: LM1, LM2 (SR EN 1991-2/2005).
Caracteristicile tehnice ale zonei: $\gamma_{d,2p}$, $T_{c=0,7}$ s
conform cod P1001-2013, SR EN 1998-2/2006.
Categorie de importanță: C.
Exigente de verificare: A4, B2, D2.



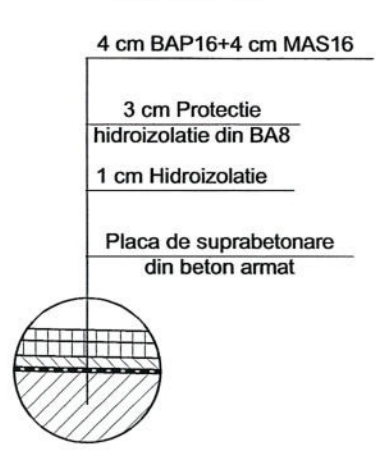
SECȚIUNE TRANSVERSALA 1-1
Sc 1:100



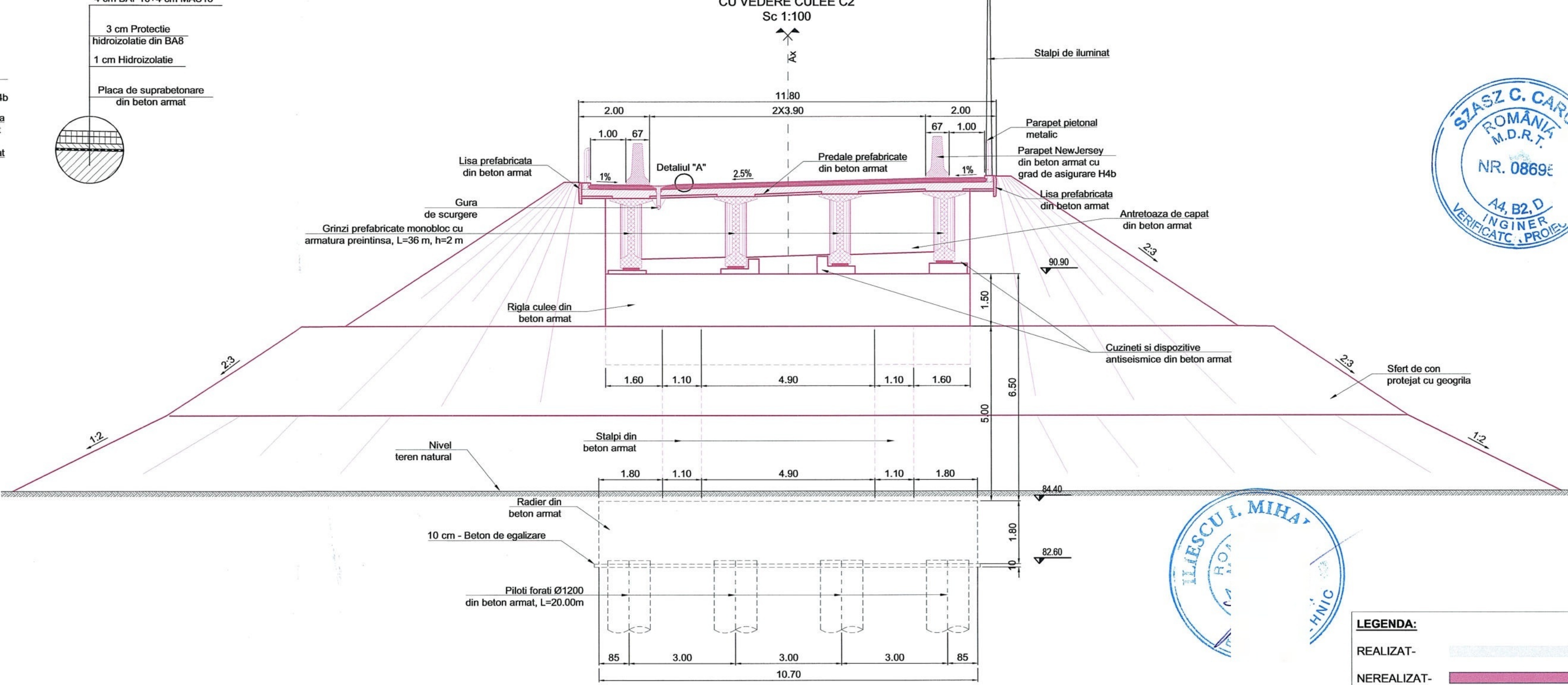
SECȚIUNE TRANSVERSALA 2-2
PRIN TABLIER CU GRINZI SI PREDALE
Sc 1:100



Detaliul "A"



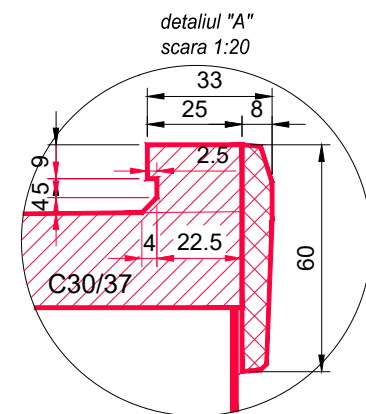
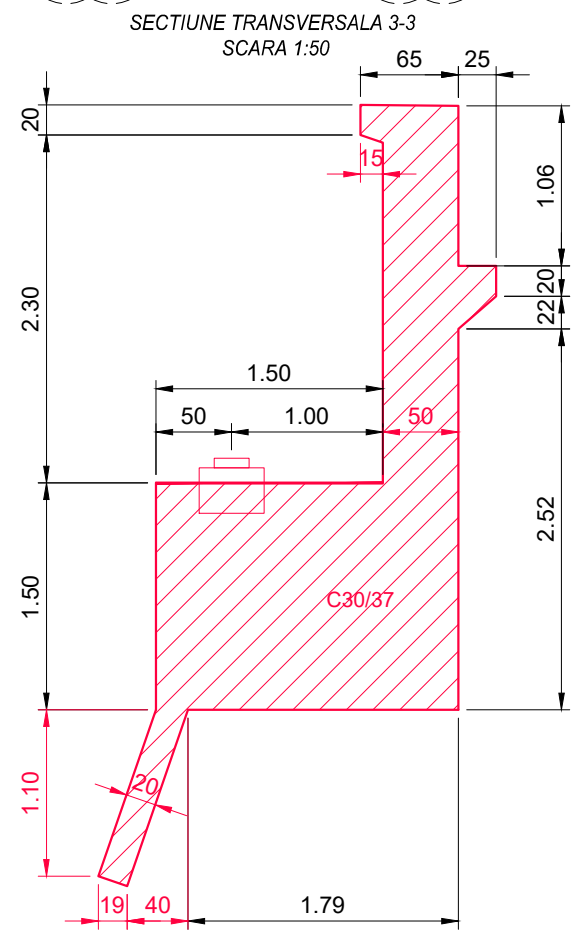
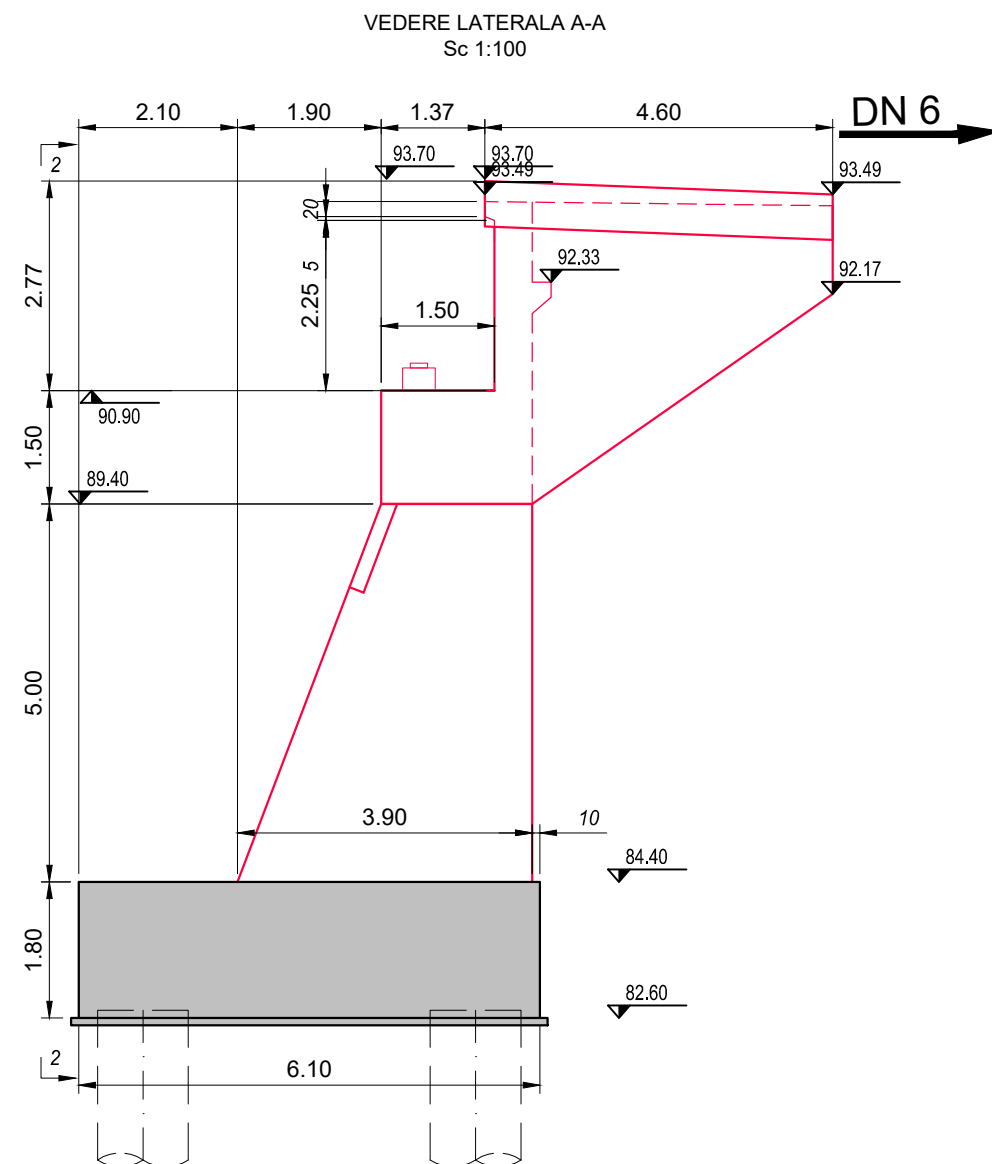
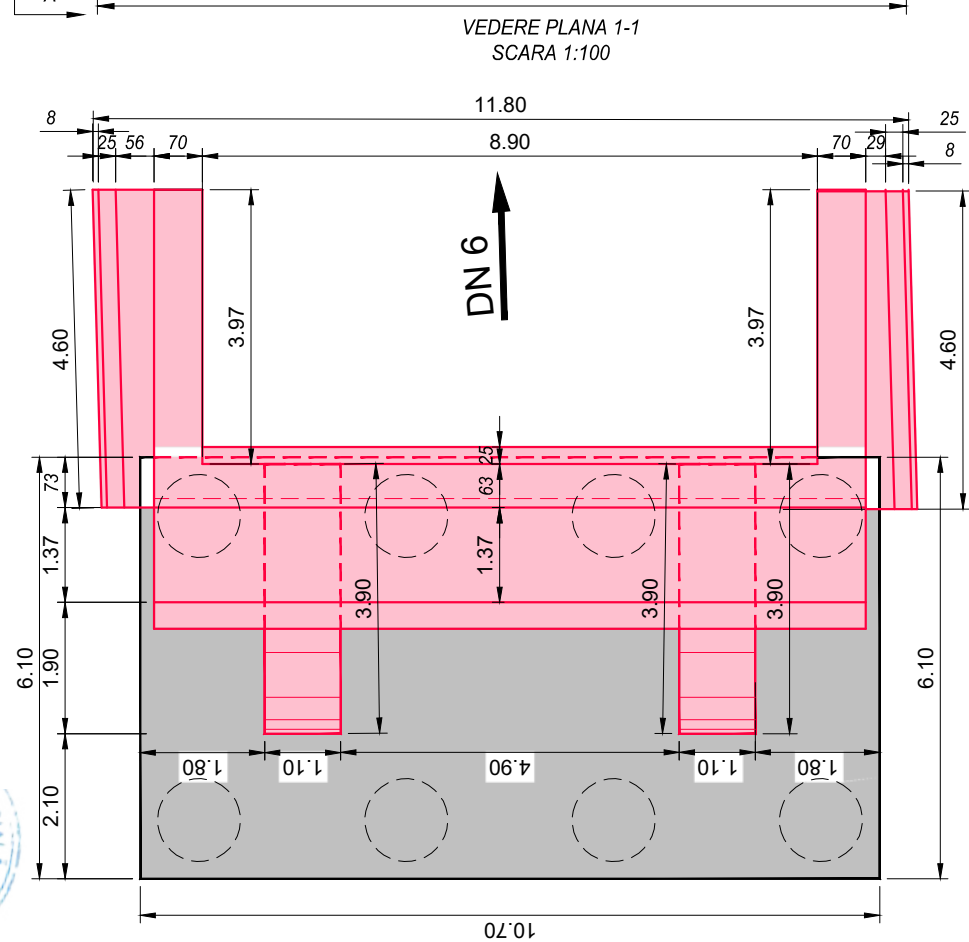
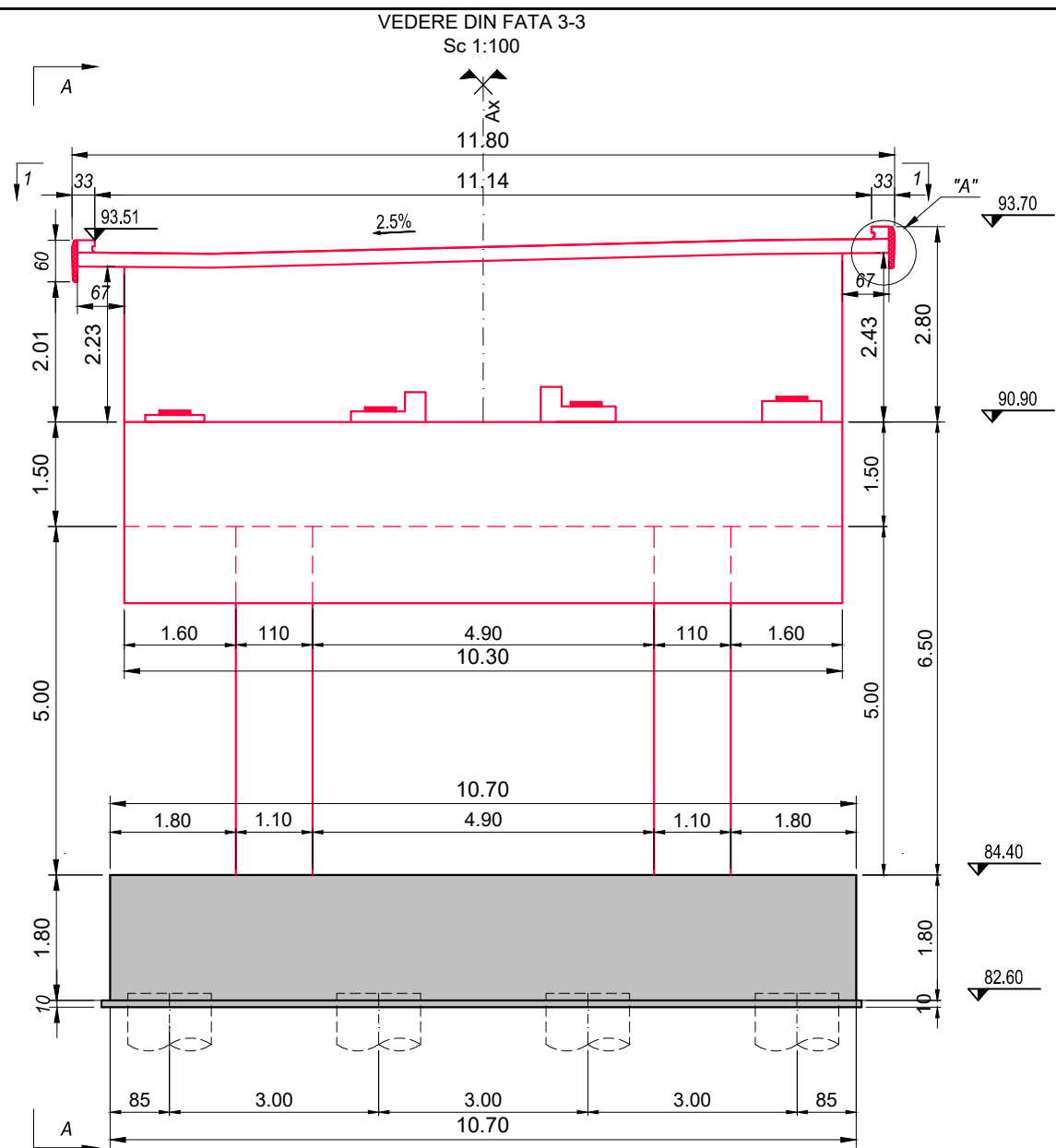
SECȚIUNE TRANSVERSALA 3-3
CU VEDERE CULEE C2
Sc 1:100



LEGENDA:
REALIZAT-
NEREALIZAT-

NOTA:
Toate fisurile si degradarile intalnite pe fetele de beton
existente se vor remedia cu injectii sau mortare speciale sau
rasini epoxidice;
- Toate elementele de beton vor fi protejate anticoroziv;

INVESTITOR COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII SA	D.P. CONSULT S.A. PROIECTANT GENERAL CONSULT D.P. CONSULT S.A.	AMPLASAMENT [Map]	DENUMIRE PROIECT PROIECTARE SI EXECUTIE "VARIANTA DE OCULIRE TIMISOARA SUD" ELABORARE PROIECT TEHNIC REST DE EXECUTAT NUMAR CONTRACT: 550/3609.02.2023 NUMAR PROIECT: 556	FAZA PROIECT PROIECT TEHNIC REST DE EXECUTAT Data: 03.2023 VERIFICATOR TEHNIC	Manager de Proiect Ing. Silvan Moldovan Sef Echipa Proiectare Ing. Raul Cods Inginer Proiectant Poduri Ing. Attila Takacs Inginer Proiectant Ing. Teodor Sabadis	REVIZII NR. REV. DATA SEMN.	DENUMIRE PLANSA PASAJ KM 1+528 PESTE CF 132 TIMISOARA VEST-CRUCENI DISPOZITIE GENERALA Scara: 1:100 1:500 NUMAR PLANSA 10036-VOTM-STRO2-DG-01
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CERINTE DE CALITATE
BETON EGALIZARE

Beton: C8/10
Otel: -
Clasa de expunere: -
Valoare max. A/C: -
Dozaj min. ciment: -

CERINTE DE CALITATE
RADIERE/FUNDATII

Beton: C25/30
Otel: BST500C
Clasa de expunere: XC2, XF3.
Valoare max. A/C: 0.55⁵
Dozaj min. ciment: 300 Kg/m³

CERINTE DE CALITATE
ELEVATII

Beton: C30/37
Otel: BST500C
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 Kg/m³

CERINTE DE CALITATE
LISA DE PARAPET

Beton: C35/45
Otel: BST500C
Clasa de expunere: XC4, XD3, XF4
Valoare max. A/C: 0.45
Dozaj min. ciment: 340 Kg/m³

NOTA:

- Toate elementele de beton in contact cu pamantul se vor proteja cu emulsie bituminoasa sau alte solutii de protectie anticoroziva

LEGENDA:

REALIZAT-

NEREALIZAT-



INVESTITOR

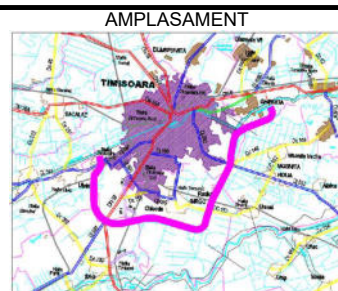


COMPANIA NATIONALA DE ADMINISTRARE
A INFRASTRUCTURII RUTIERE S.A.

PROIECTANT GENERAL



D P CONSULT S.A.



AMPLASAMENT

DENUMIRE PROIECT
PROIECTARE SI EXECUTIE
"VARIANTA DE OCOLIRE
TIMISOARA SUD"
ELABORARE PROIECT TEHNIC
REST DE EXECUTAT

NUMAR CONTRACT: 550/36/09.02.2023

NUMAR PROIECT : 556

FAZA PROIECT
PROIECT TEHNIC
REST DE EXECUTAT

Data : 03.2023

VERIFICATOR TEHNIC

Manager de Proiect

ing. Silvan Moldovan

Sef Echipa Proiectare

ing. Raul Cocis

Inginer Proiectant Poduri

ing. Attila Takacs

Inginer Proiectant

ing. Teodor Sabadis

REVIZII

NR. REV.

DATA

SEMN.

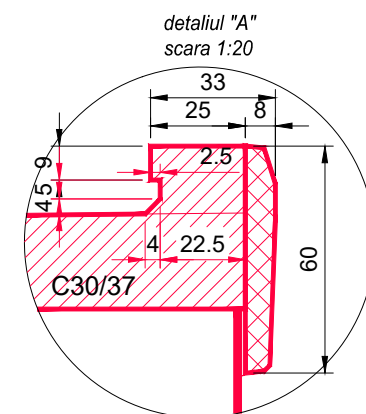
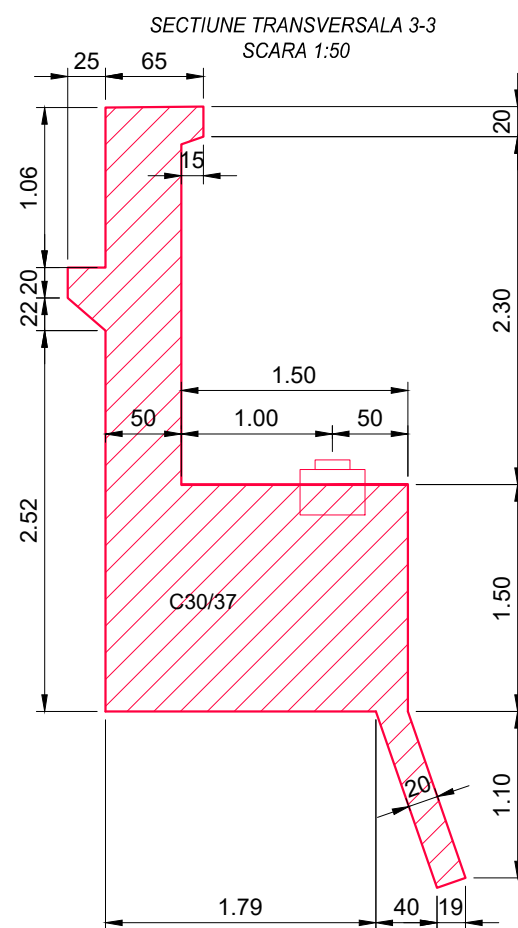
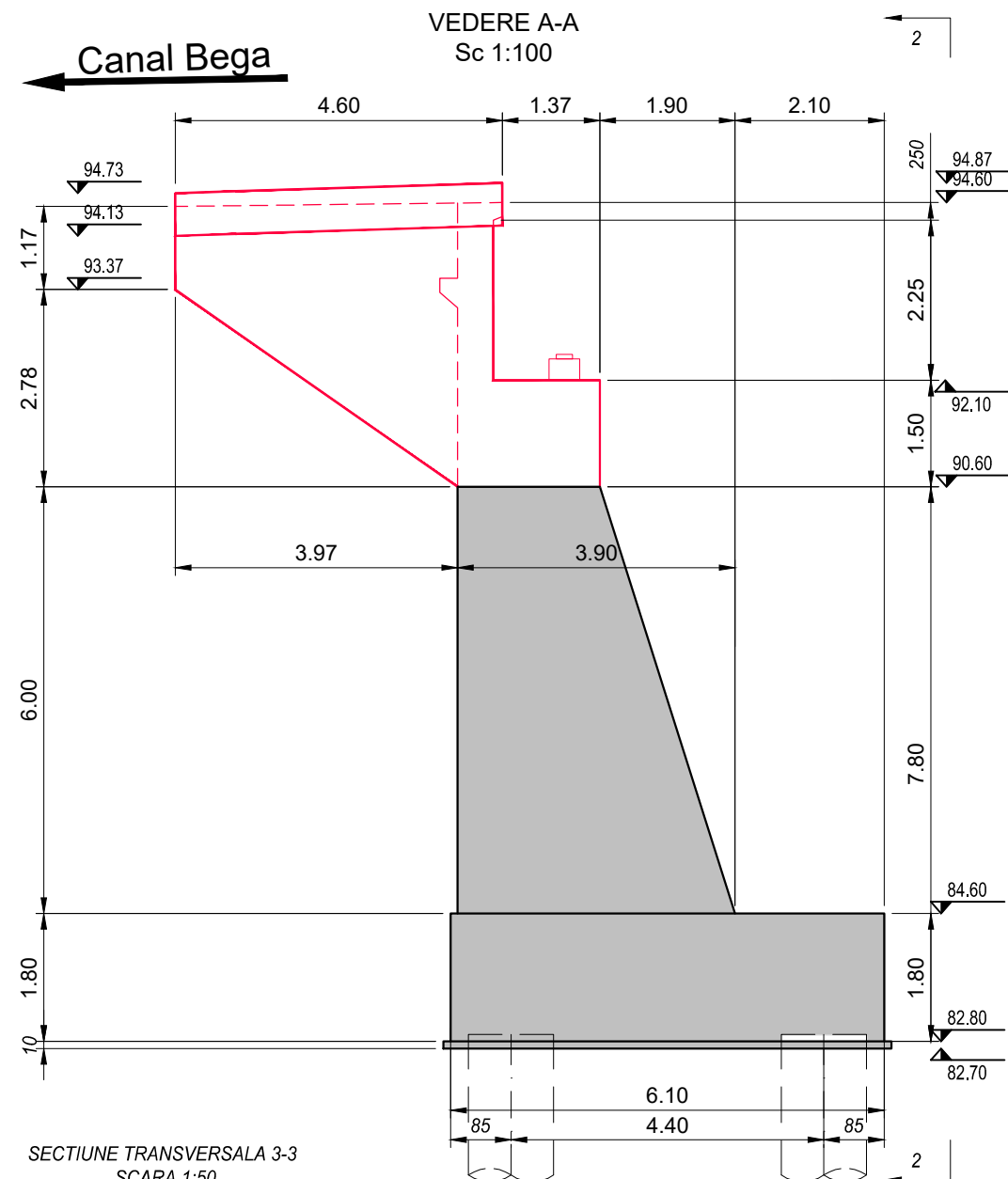
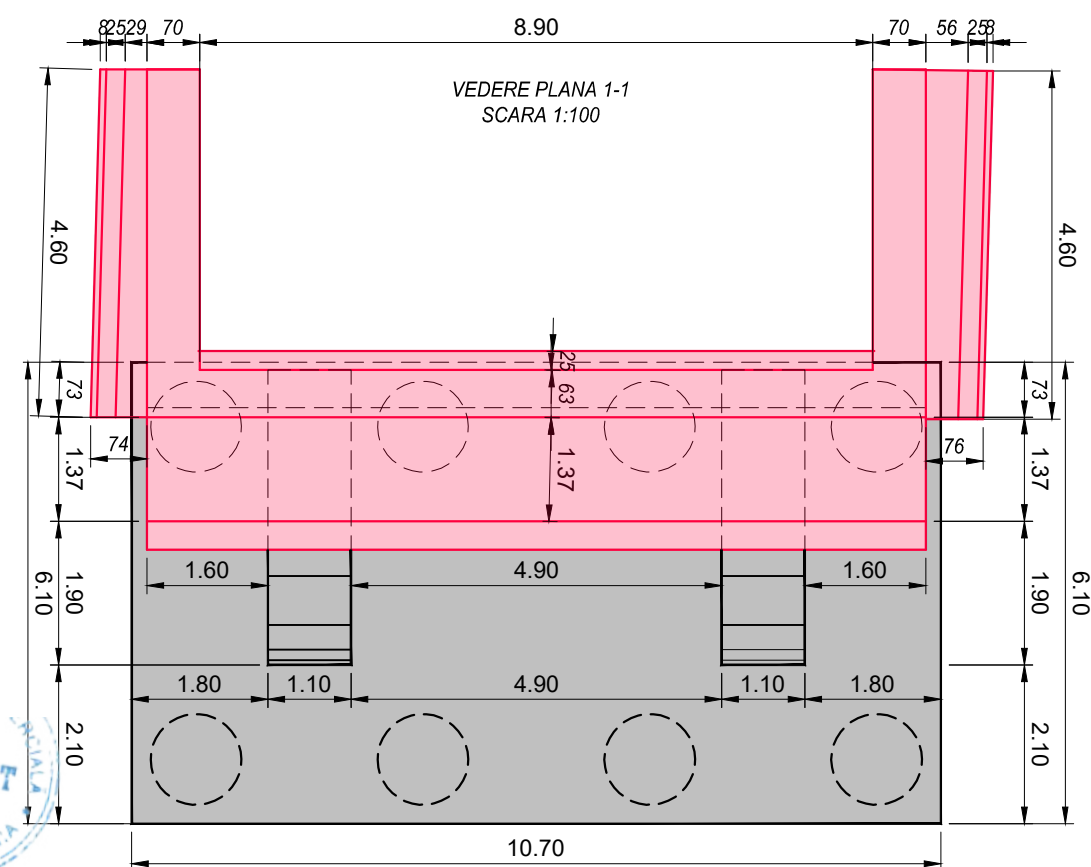
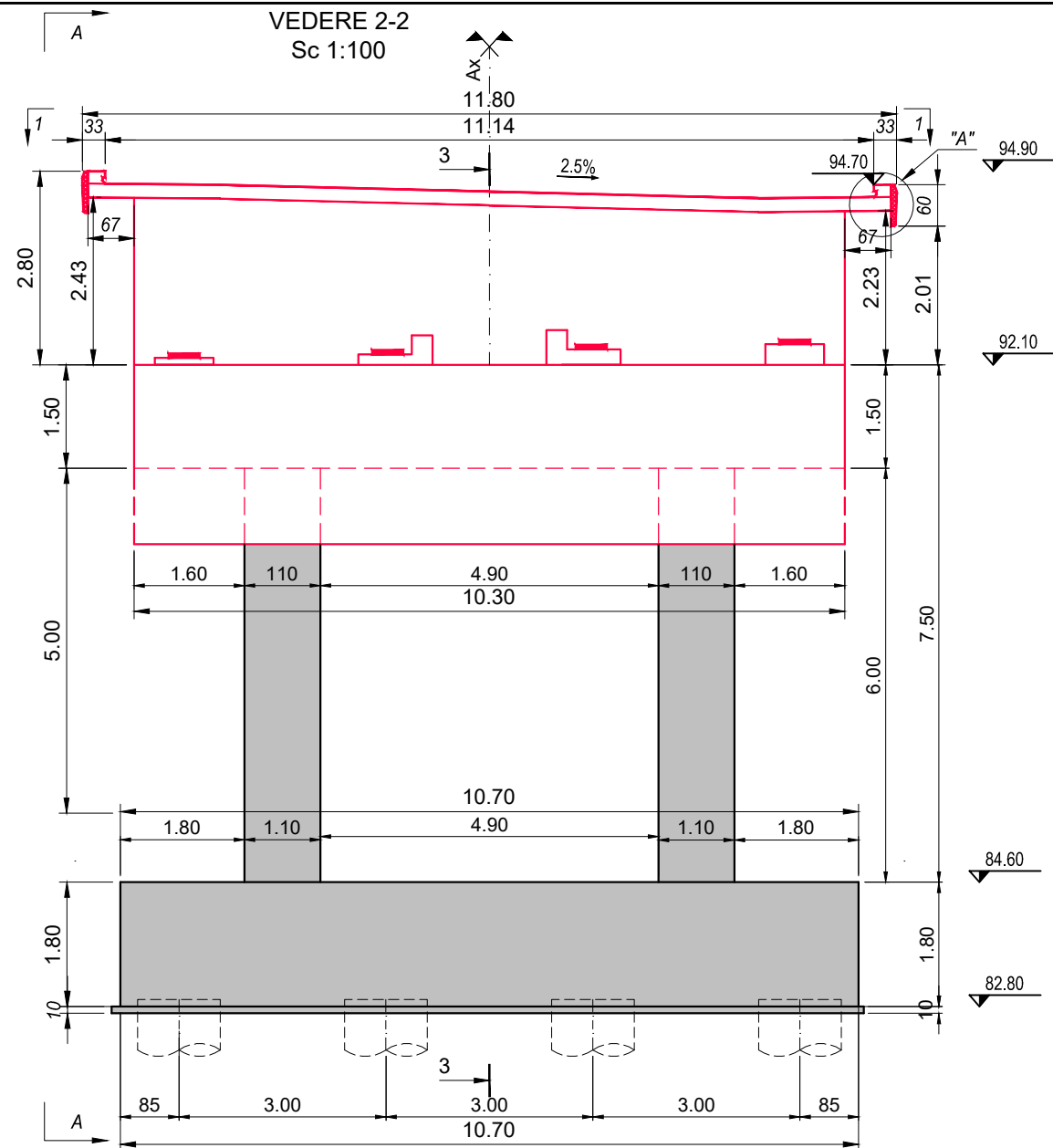
DENUMIRE PLANSĂ

PASAJ KM 1+528 PESTE DJ 591
SI LINII DE TRAMVAI
PLAN COFRAJ CULEE C2

Scara : 1:100 1:50 1:20

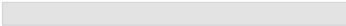

NUMAR PLANSĂ

10036-VOTM-STR02-Ci-02



NOTA:
- Toate elementele de beton in contact cu pamantul se vor proteja cu emulsie bituminoasa sau alte solutii de protectie anticoroziva

LEGENDA:

REALIZAT- 
NEREALIZAT- 

CERINTE DE CALITATE
BETON EGALIZARE
Beton: C8/10
Otel: -
Clasa de expunere: -
Valoare max. A/C: -
Dozaj min. ciment: -

CERINTE DE CALITATE
RADIERE/FUNDATII
Beton: C25/30
Otel: BST500C
Clasa de expunere: XC4, XF3.
Valoare max. A/C: 0.55³
Dozaj min. ciment: 300 Kg/m³

CERINTE DE CALITATE
ELEVATII
Beton: C30/37
Otel: BST500C
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 Kg/m³

CERINTE DE CALITATE
LISA DE PARAPET
Beton: C35/45
Otel: BST500C
Clasa de expunere: XC4, XD3, XF4
Valoare max. A/C: 0.45
Dozaj min. ciment: 340 Kg/m³



INVESTITOR



COMPANIA NATIONALA DE ADMINISTRARE
A INFRASTRUCTURII RUTIERE S.A.

PROIECTANT GENERAL



D P CONSULT S.A.

AMPLASAMENT



DENUMIRE PROIECT
PROIECTARE SI EXECUTIE
"VARIANTA DE OCOLIRE
TIMISOARA SUD"
ELABORARE PROIECT TEHNIC
REST DE EXECUTAT

NUMAR CONTRACT: 550/36/09.02.2023

NUMAR PROIECT : 556

FAZA PROIECT
PROIECT TEHNIC
REST DE EXECUTAT

Data : 03.2023

VERIFICATOR TEHNIC

Manager de Proiect
ing. Silivan Moldovan

Sef Echipa Proiectare
ing. Raul Cocis

Inginer Proiectant Poduri
ing. Attila Takacs

Inginer Proiectant
ing. Teodor Sabadis

REVIZII

NR. REV.	DATA	SEMN.

DENUMIRE PLANSA

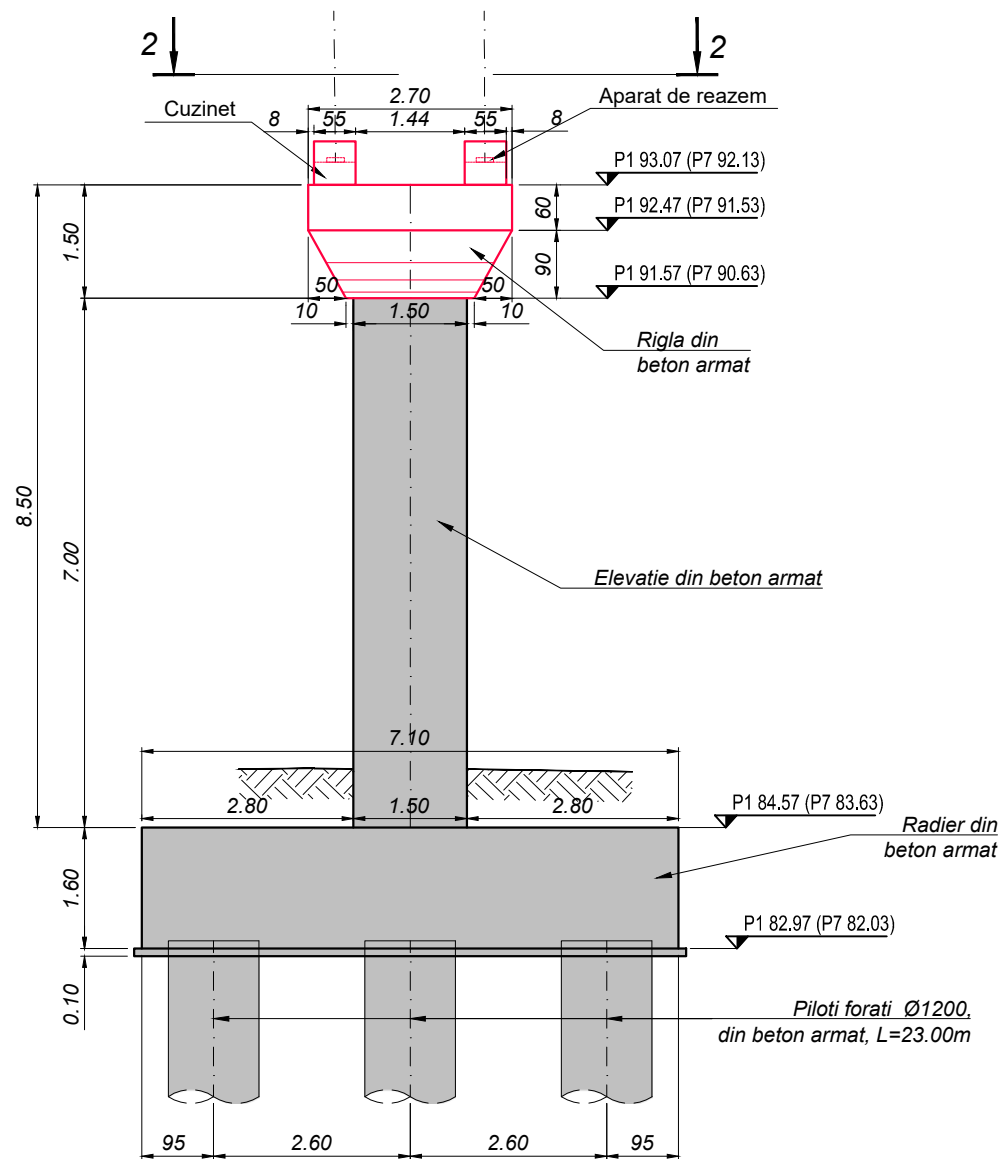
PASAJ KM 1+528 PESTE DJ 591
SI LINII DE TRAMVAI
PLAN COFRAJ CULEE C1

Scara : 1:100 1:50 1:20

NUMAR PLANSA

10036-VOTM-STR02-Ci-01

VEDERE 1-1
Sc 1:100



**CERINTE DE CALITATE
BETON EGALIZARE**
Beton: C8/10
Otel: -
Clasa de expunere: -
Valoare max. A/C: -
Dozaj min. ciment: -

**CERINTE DE CALITATE
RADIARE/FUNDATII**
Beton: C25/30
Otel: BST500C
Clasa de expunere: XC2, XF3.
Valoare max. A/C: 0.55^a
Dozaj min. ciment: 300 Kg/m³

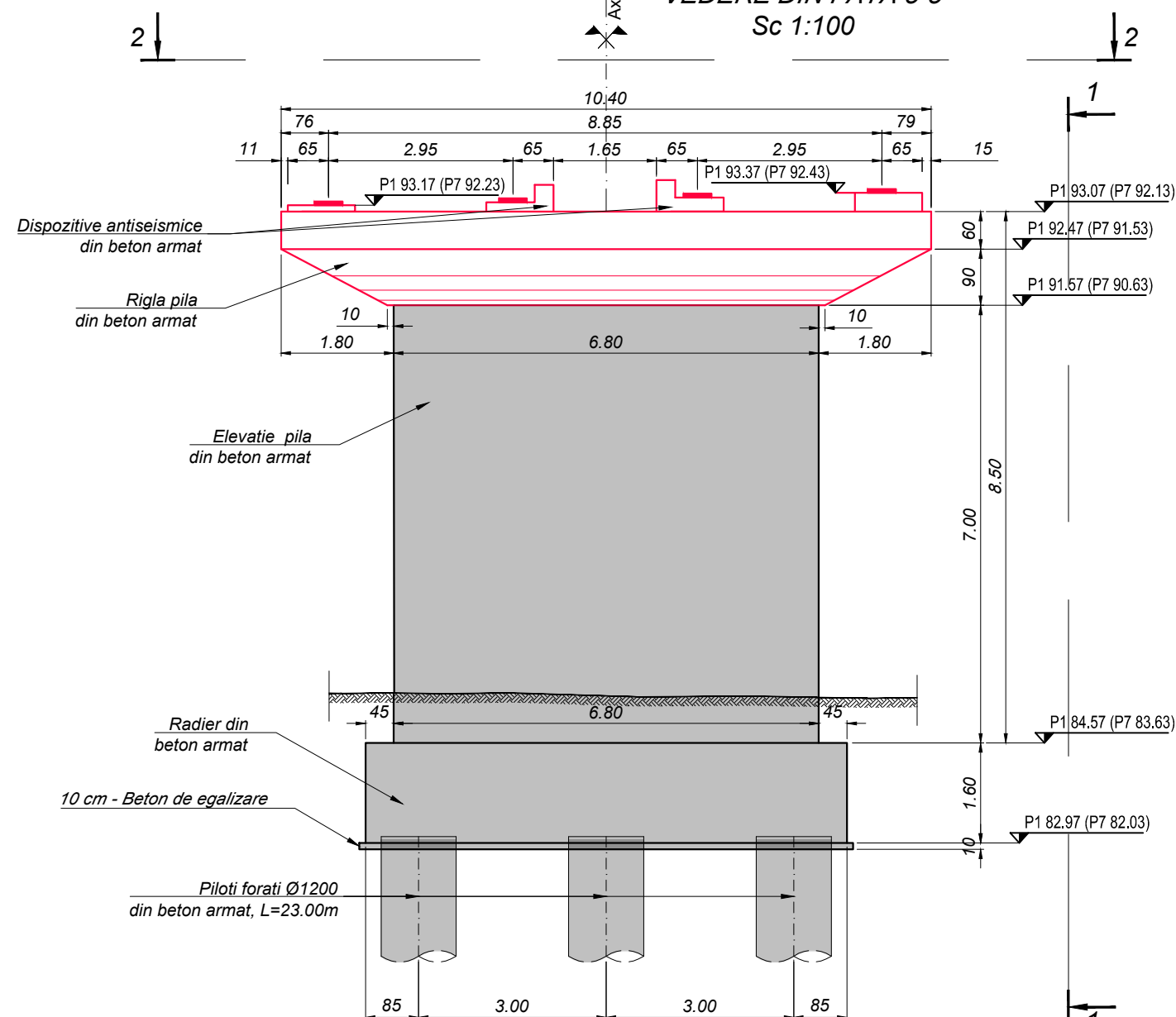
**CERINTE DE CALITATE
ELEVATII**
Beton: C30/37
Otel: BST500C
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 Kg/m³

NOTA:
- Toate elementele de beton in contact cu pamantul se vor proteja cu emulsie bituminoasa sau alte solutii de protectie anticoroziva

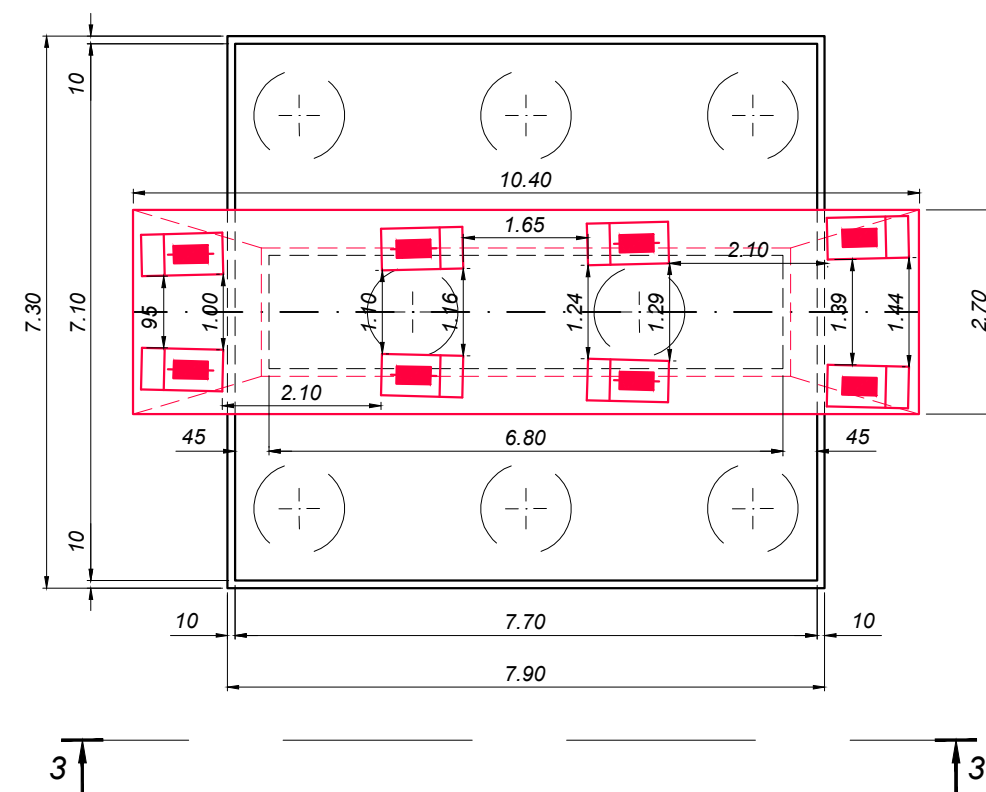
LEGENDA:

REALIZAT-
NEREALIZAT-

VEDERE DIN FATA 3-3
Sc 1:100



VEDERE PLANA 2-2
Sc 1:100



INVESTITOR



COMPANIA NATIONALA DE ADMINISTRARE
A INFRASTRUCTURII RUTIERE S.A.

PROIECTANT GENERAL



D P CONSULT S.A.

AMPLASAMENT



DENUMIRE PROIECT
PROIECTARE SI EXECUTIE
"VARIANTA DE OCOLIRE
TIMISOARA SUD"
ELABORARE PROIECT TEHNIC
REST DE EXECUTAT

NUMAR CONTRACT: 550/36/09.02.2023

NUMAR PROIECT : 556

FAZA PROIECT

PROIECT TEHNIC
REST DE EXECUTAT

Data : 03.2023

VERIFICATOR TEHNIC

Manager de Proiect

ing. Silivan Moldovan

Sef Echipa Proiectare

ing. Raul Cocis

Inginer Proiectant Poduri

ing. Attila Takacs

Inginer Proiectant

ing. Teodor Sabadis

REVIZII

NR. REV. DATA SEMN.

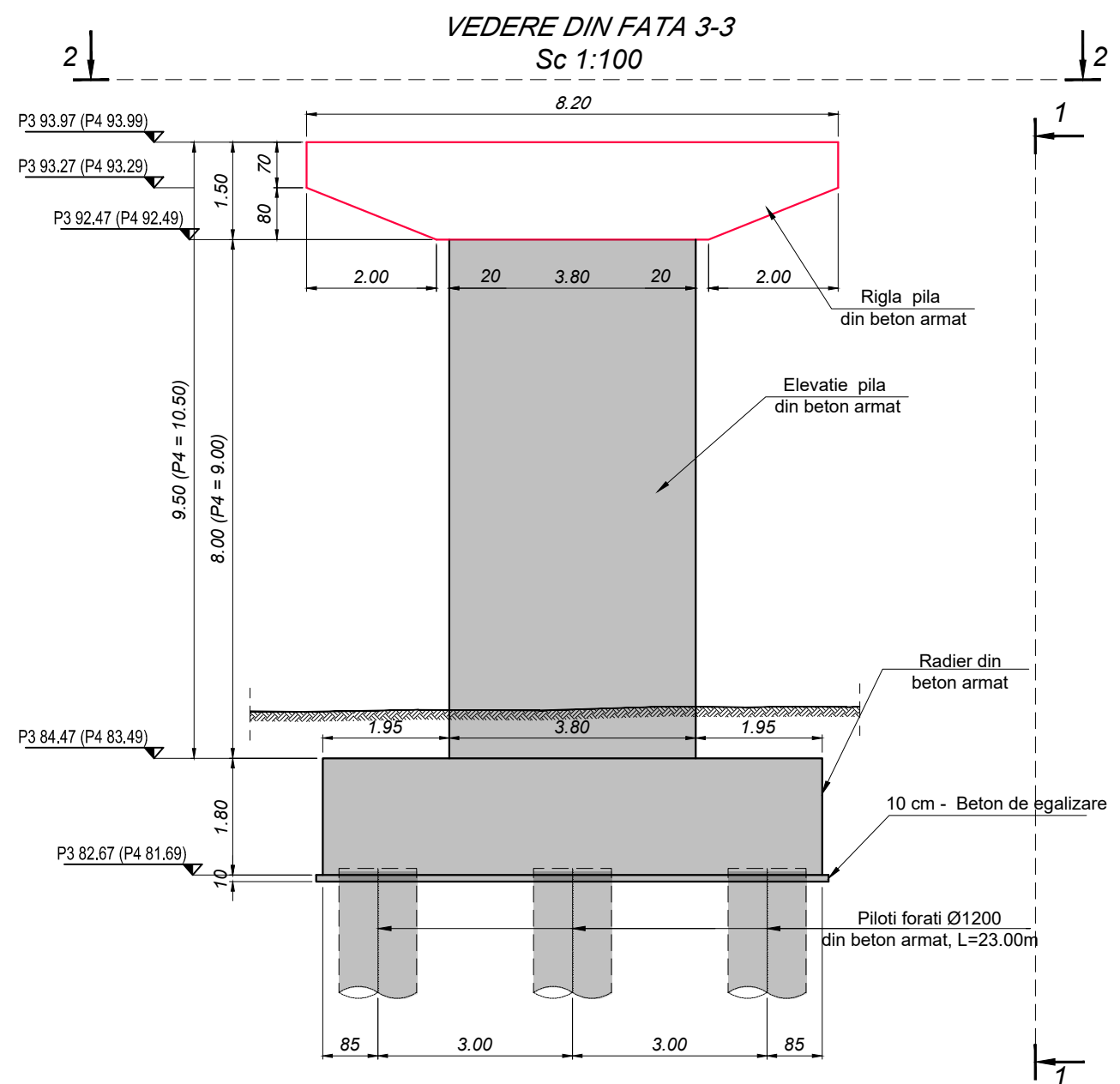
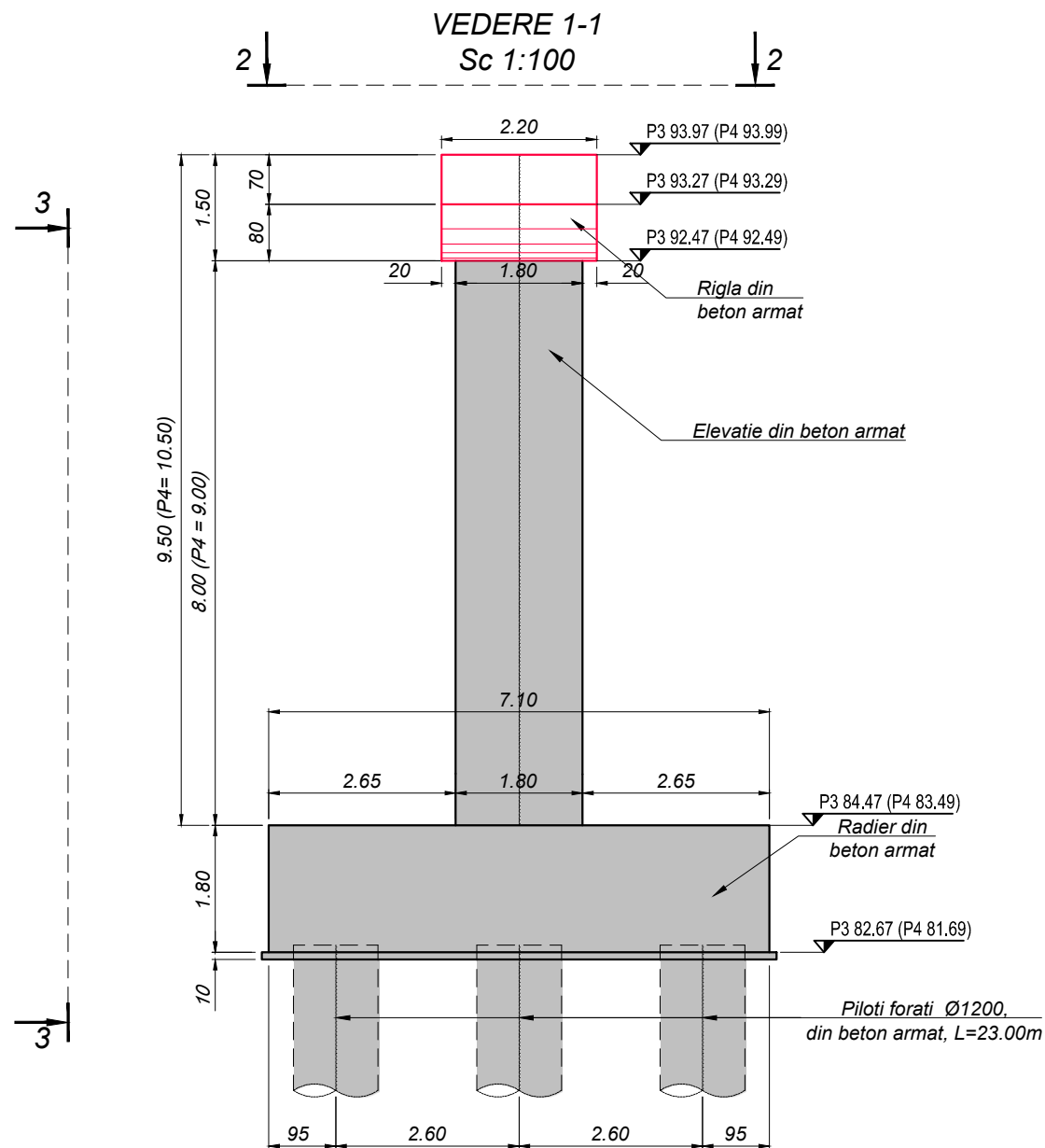
DENUMIRE PLANSA

PASAJ KM 1+528 PESTE CF 132
TIMISOARA VEST-CRUCENI
PLAN COFRAJ PILE 1 SI 7

Scara : 1:100

NUMAR PLANSA

10036-VOTM-STR02-Ci-03



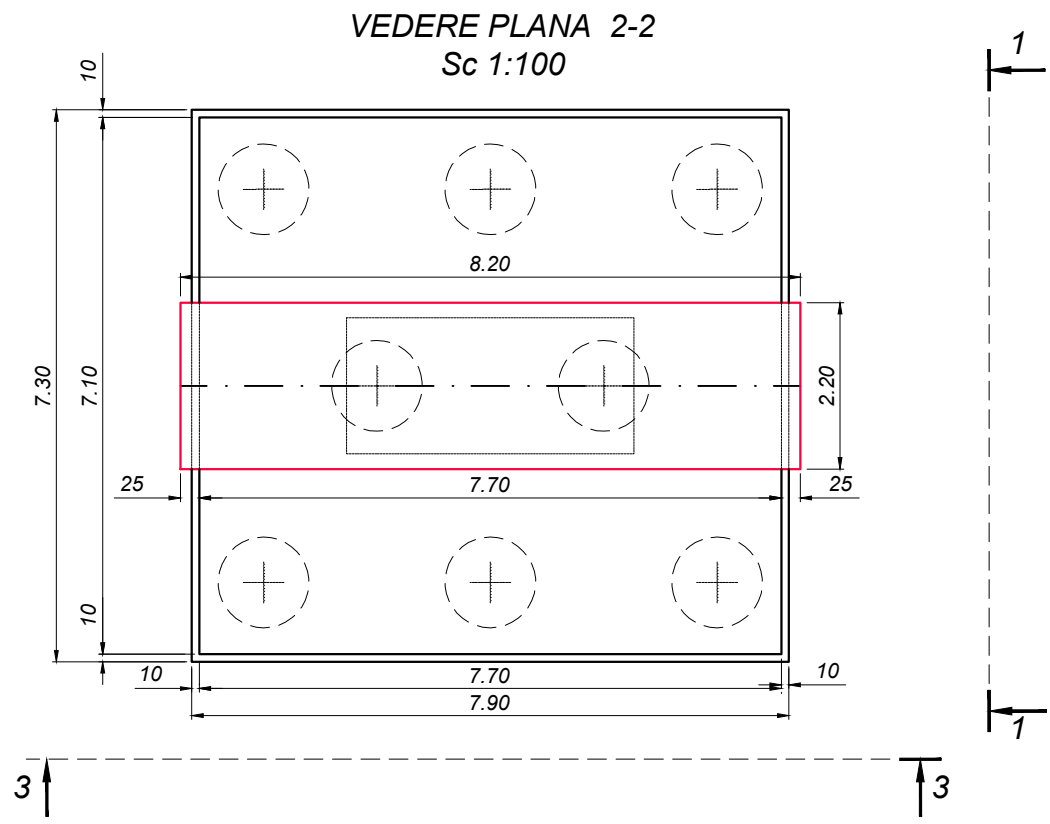
**CERINTE DE CALITATE
BETON EGALIZARE**
Beton: C8/10
Otel: -
Clasa de expunere: -
Valoare max. A/C: -
Dozaj min. ciment: -




**CERINTE DE CALITATE
RADIERE/FUNDATII**
Beton: C25/30
Otel: BST500C
Clasa de expunere: XC2, XF3.
Valoare max. A/C: 0.55³
Dozaj min. ciment: 300 Kg/m³

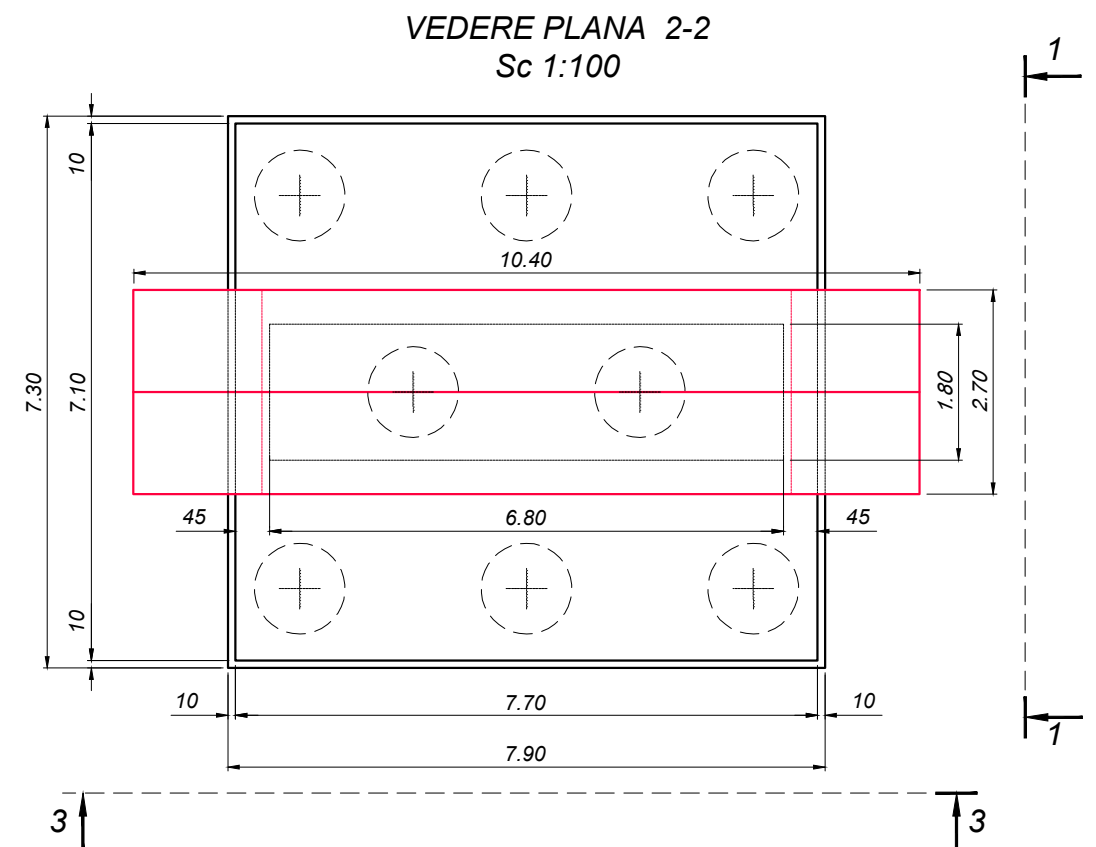
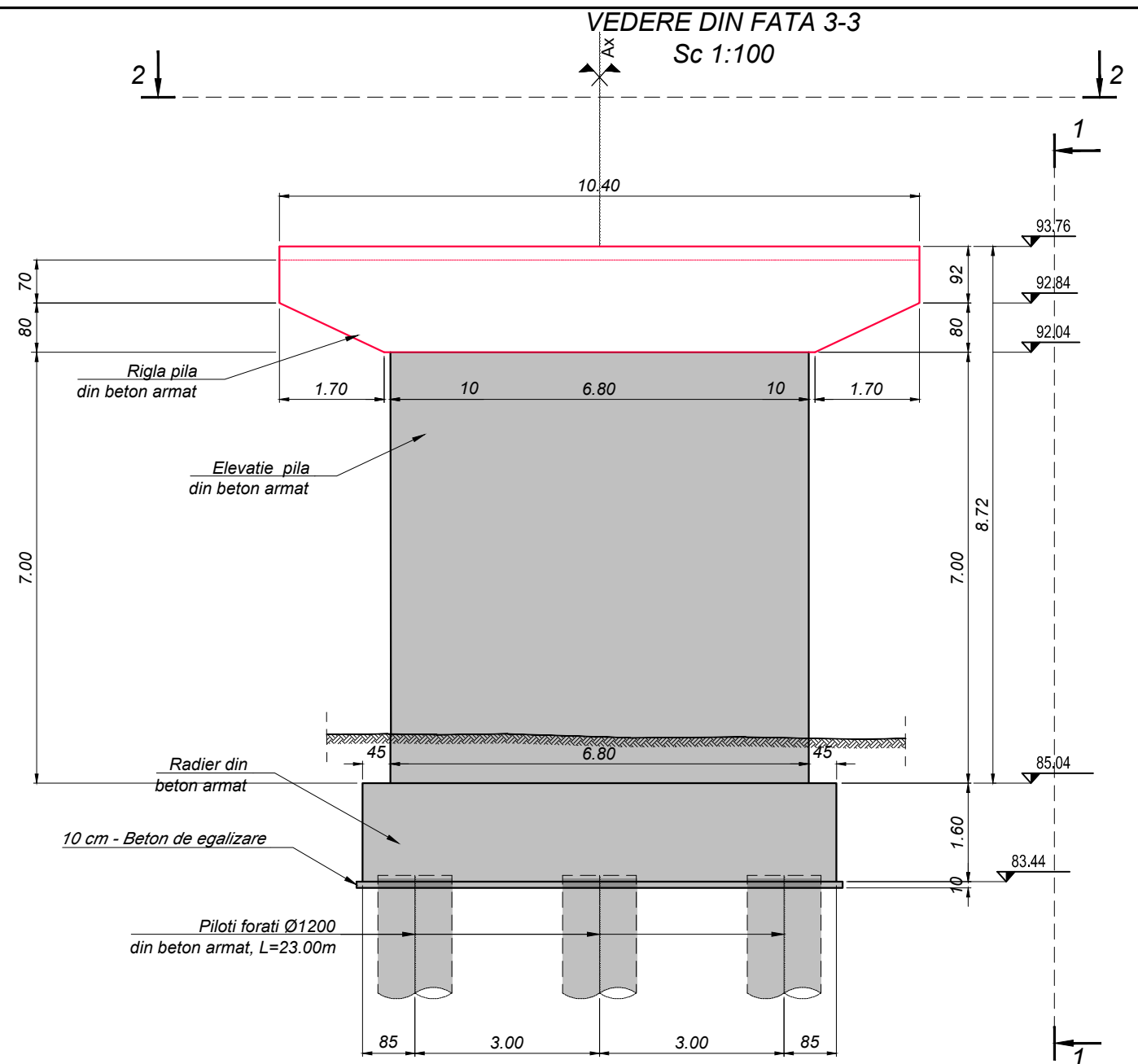
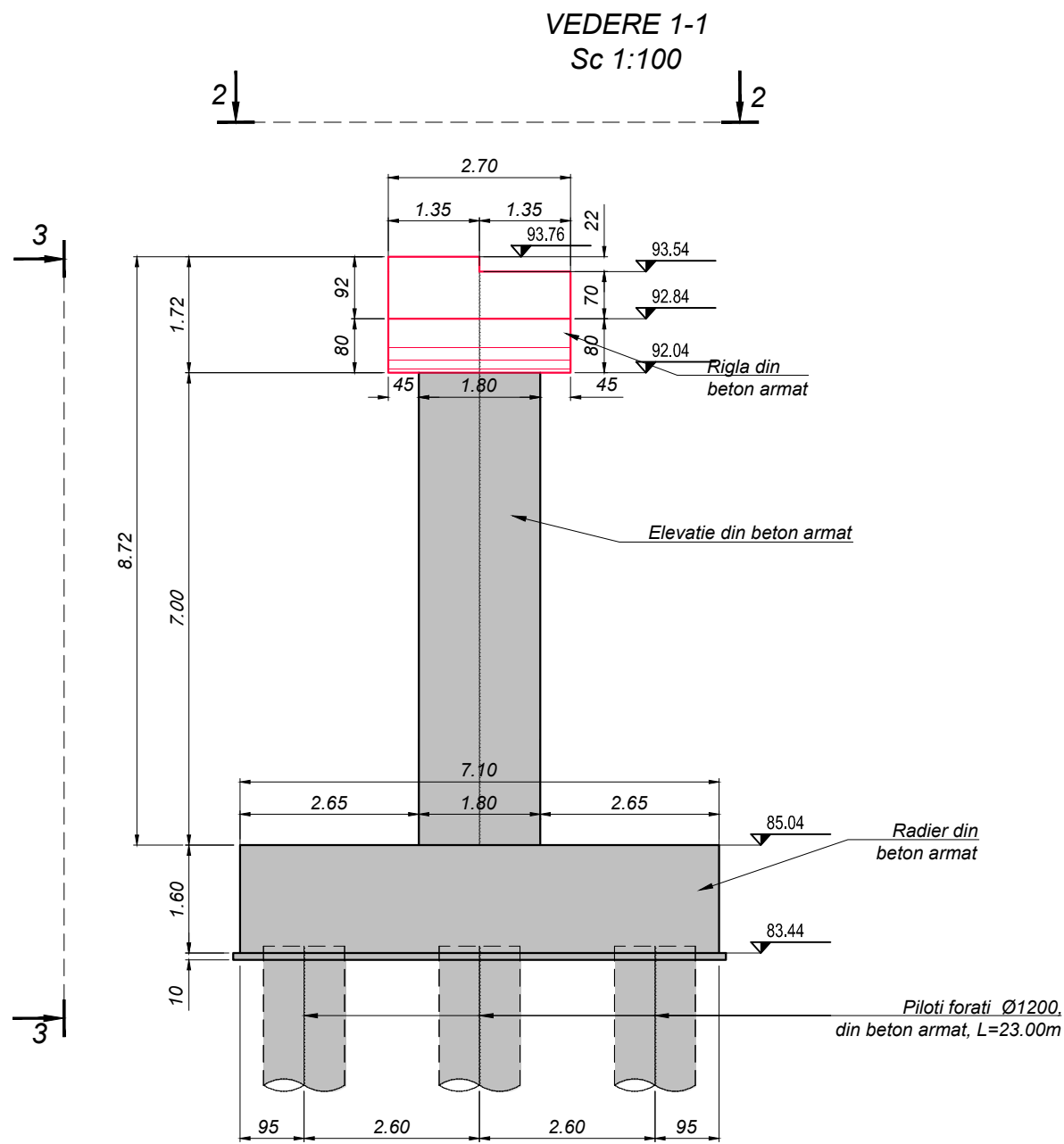
**CERINTE DE CALITATE
ELEVATII**
Beton: C30/37
Otel: BST500C
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 Kg/m³

NOTA:
- Toate elementele de beton in contact cu pamantul se vor proteja cu emulsie bituminoasa sau alte solutii de protectie anticoroziva

LEGENDA:
REALIZAT-
NEREALIZAT-



INVESTITOR  COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE S.A.	PROIECTANT GENERAL  D.P. CONSULT S.A.	AMPLASAMENT 	DENUMIRE PROIECT PROIECTARE SI EXECUTIE "VARIANTA DE OCOLIRE TIMISOARA SUD" ELABORARE PROIECT TEHNIC REST DE EXECUTAT NUMAR CONTRACT: 550/36/09.02.2023 NUMAR PROIECT : 556	FAZA PROIECT PROIECT TEHNIC REST DE EXECUTAT Data : 03.2023 VERIFICATOR TEHNIC	Manager de Proiect ing. Silvan Moldovan Sef Echipa Proiectare ing. Raul Cocis Inginer Proiectant Poduri ing. Attila Takacs Inginer Proiectant ing. Teodor Sabadis	REVIZII			DENUMIRE PLANSA PASAJ KM 1+528 PESTE CF 132 TIMISOARA VEST-CRUCENI PLAN COFRAJ PILE 3 SI 4 Scara : 1:100 NUMAR PLANSA 10036-VOTM-STR02-Ci-04
						NR. REV.	DATA	SEMN.	



CERINTE DE CALITATE
BETON EGALIZARE

Beton: C8/10
Otel: -
Clasa de expunere: -
Valoare max. A/C: -
Dozaj min. ciment: -

CERINTE DE CALITATE
RADIARE/FUNDATII

Beton: C25/30
Otel: BST500C
Clasa de expunere: XC2, XF3.
Valoare max. A/C: 0.55³
Dozaj min. ciment: 300 Kg/m³

CERINTE DE CALITATE
ELEVATII

Beton: C30/37
Otel: BST500C
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 Kg/m³

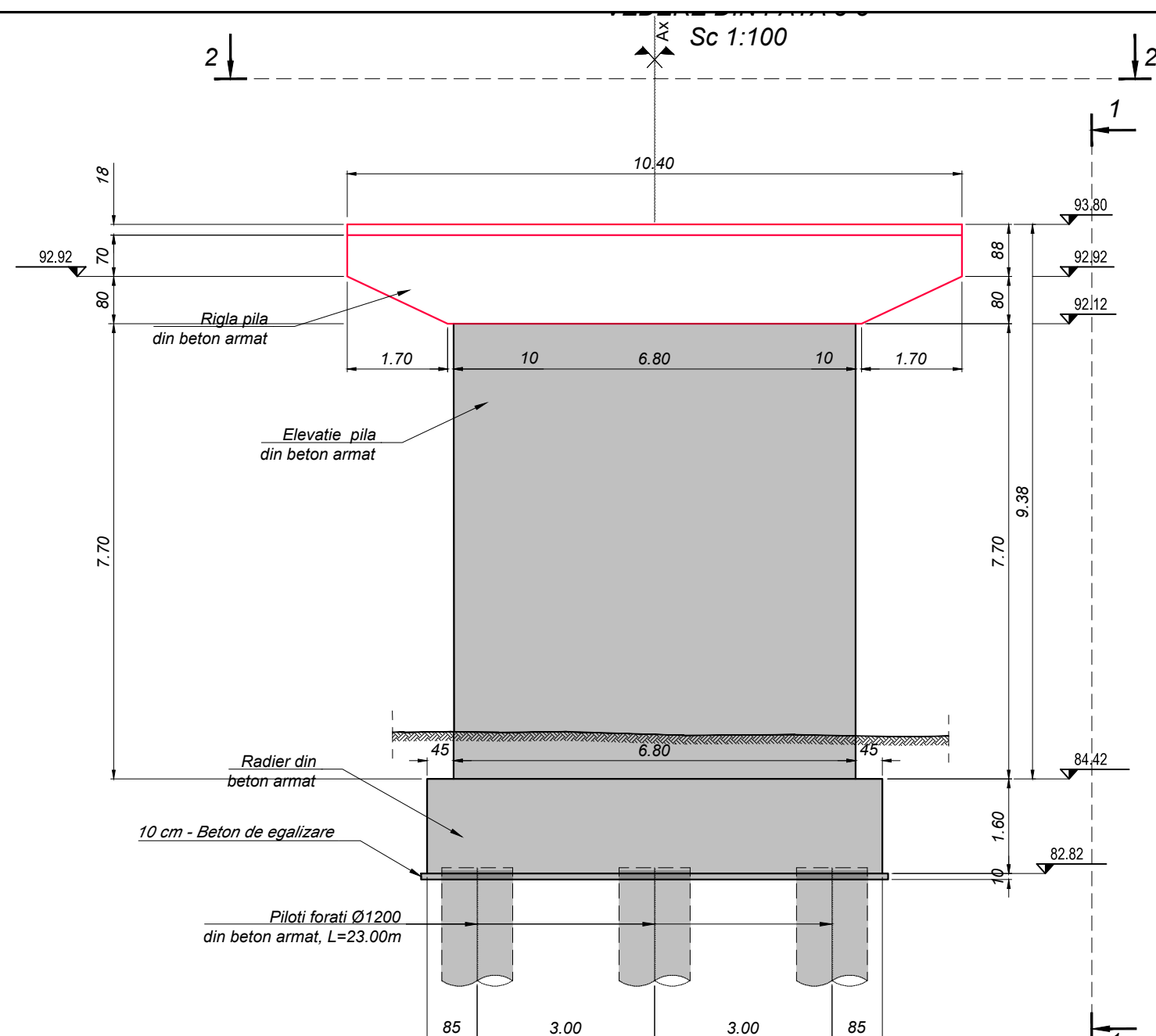
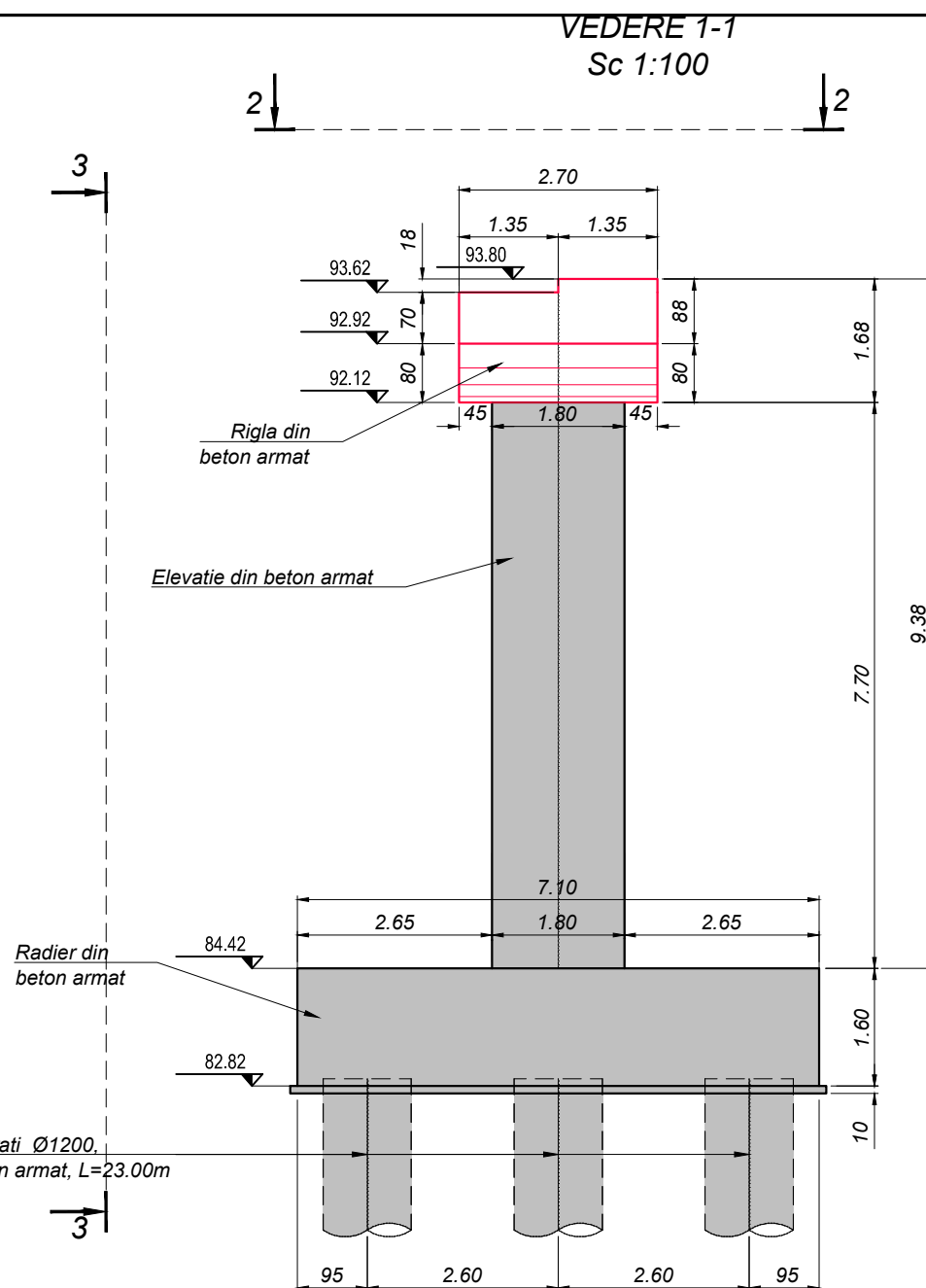
NOTA:

- Toate elementele de beton in contact cu pamantul se vor proteja cu emulsie bituminoasa sau alte solutii de protectie anticoroziva

LEGENDA:

REALIZAT-

NEREALIZAT-





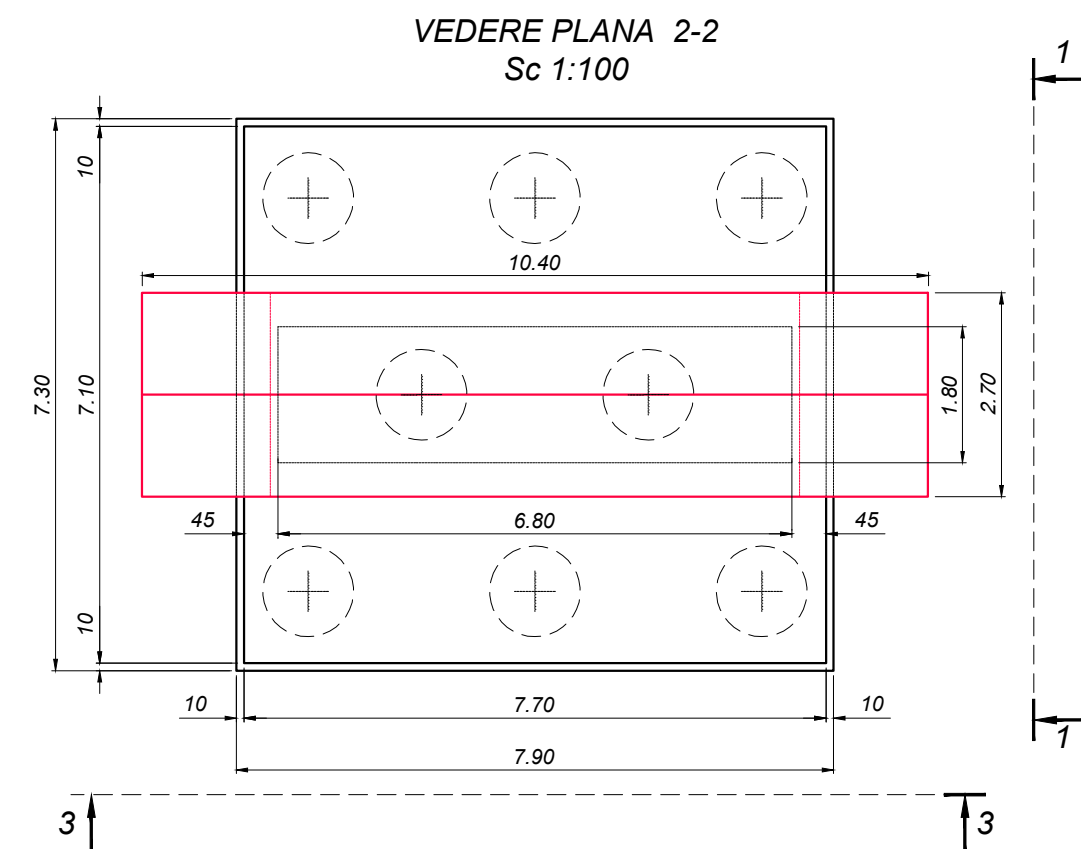
**CERINTE DE CALITATE
BETON EGALIZARE**
Beton: C8/10
Otel: -
Clasa de expunere: -
Valoare max. A/C: -
Dozaj min. ciment: -




**CERINTE DE CALITATE
RADIERE/FUNDATII**
Beton: C25/30
Otel: BST500C
Clasa de expunere: XC2, XF3.
Valoare max. A/C: 0.55^a
Dozaj min. ciment: 300 Kg/m³

**CERINTE DE CALITATE
ELEVATII**
Beton: C30/37
Otel: BST500C
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 Kg/m³

NOTA:
- Toate elementele de beton in contact cu pamantul se vor proteja
cu emulsie bituminoasa sau alte solutii de protectie anticoroziva

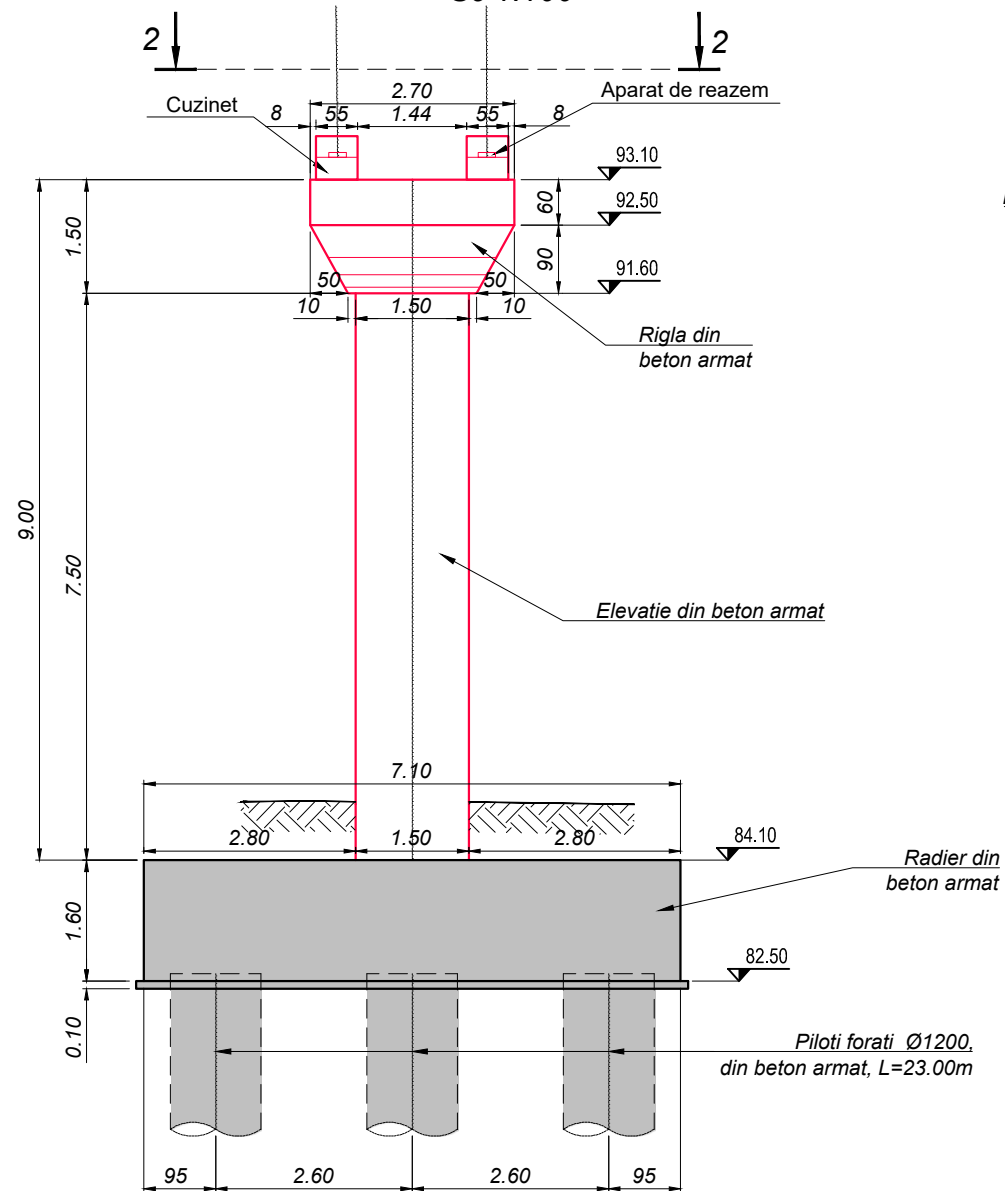
LEGENDA:
REALIZAT- 
NEREALIZAT- 



<div>INVESTITOR</div> <div></div> <div>COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE S.A.</div>	<div>PROIECTANT GENERAL</div> <div></div> <div>D P CONSULT S.A.</div>	<div>AMPLASAMENT</div> <div></div>	<div>DENUMIRE PROIECT</div> <div>PROIECTARE SI EXECUTIE</div> <div>"VARIANTA DE OCOLIRE</div> <div>TIMISOARA SUD"</div> <div>ELABORARE PROIECT TEHNIC</div> <div>REST DE EXECUTAT</div>	<div>FAZA PROIECT</div> <div>PROIECT TEHNIC</div> <div>REST DE EXECUTAT</div>	<div>Manager de Proiect</div> <div>ing. Siliivan Moldovan</div>	<div>REVIZII</div>			<div>DENUMIRE PLANSA</div>
				<div>ing. Raul Cocis</div>	<div>NR. REV.</div>	<div>DATA</div>	<div>SEM.N.</div>	<div>PASAJ KM 1+528 PESTE CF 132</div> <div>TIMISOARA VEST-CRUCENI</div> <div>PLAN COFRAJ PILA 5</div>	
			<div>NUMAR CONTRACT: 550/36/09.02.2023</div>	<div>Data : 03.2023</div>	<div>inginer Proiectant Poduri</div> <div>ing. Attila Takacs</div>				<div>Scara : 1:100</div>
			<div>NUMAR PROIECT : 556</div>	<div>VERIFICATOR TEHNIC</div>	<div>inginer Proiectant</div> <div>ing. Teodor Sabadis</div>				<div>NUMAR PLANSA</div> <div>10036-VOTM-STR02-Ci-06</div>

3

VEDERE 1-1
Sc 1:100



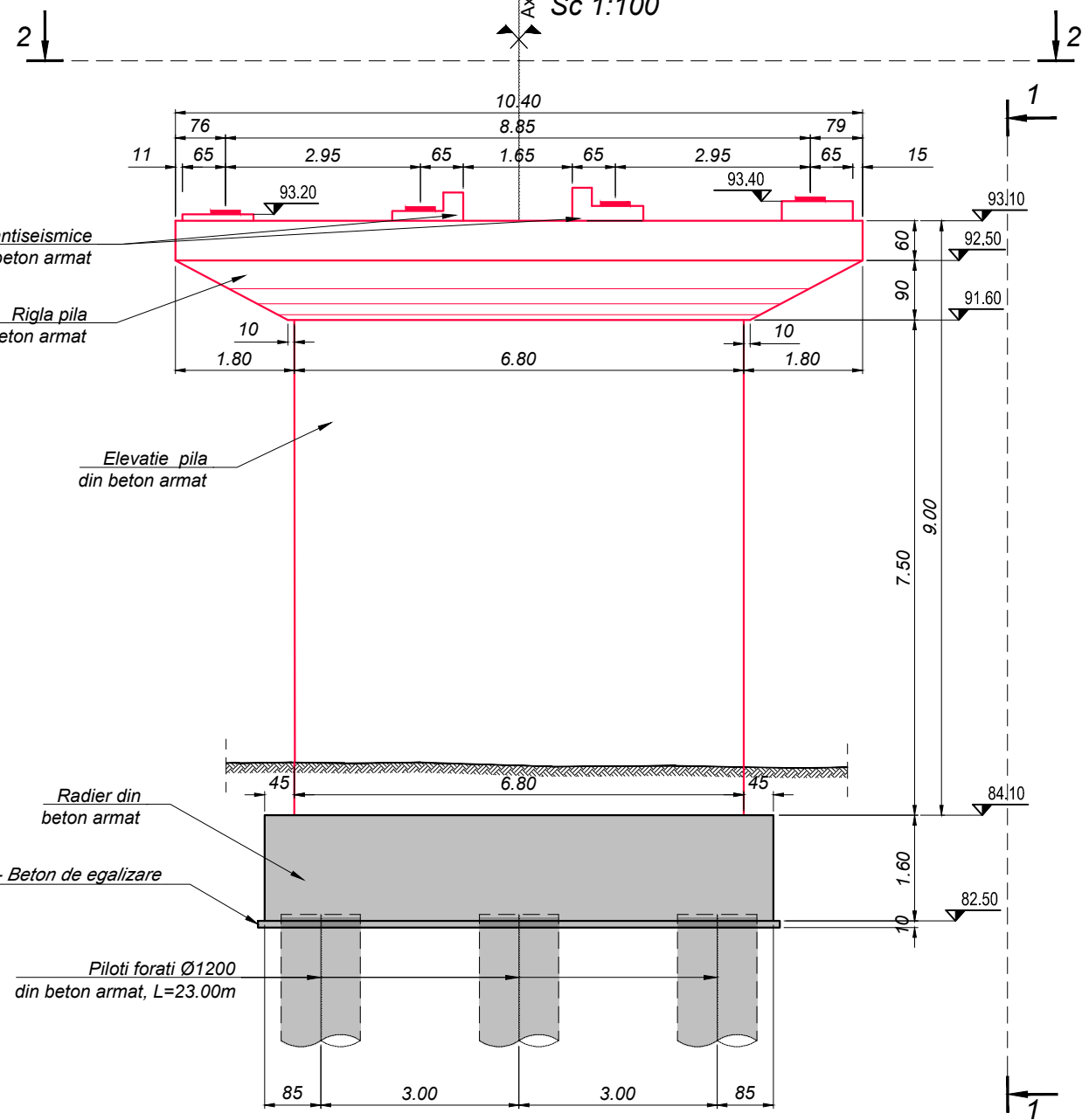
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BETON EGALIZARE**
Beton: C8/10
Otel: -
Clasa de expunere: -
Valoare max. A/C: -
Dozaj min. ciment: -

**CERINTE DE CALITATE
RADIARE/FUNDATII**
Beton: C25/30
Otel: BST500C
Clasa de expunere: XC2, XF3.
Valoare max. A/C: 0.55^a
Dozaj min. ciment: 300 Kg/m³

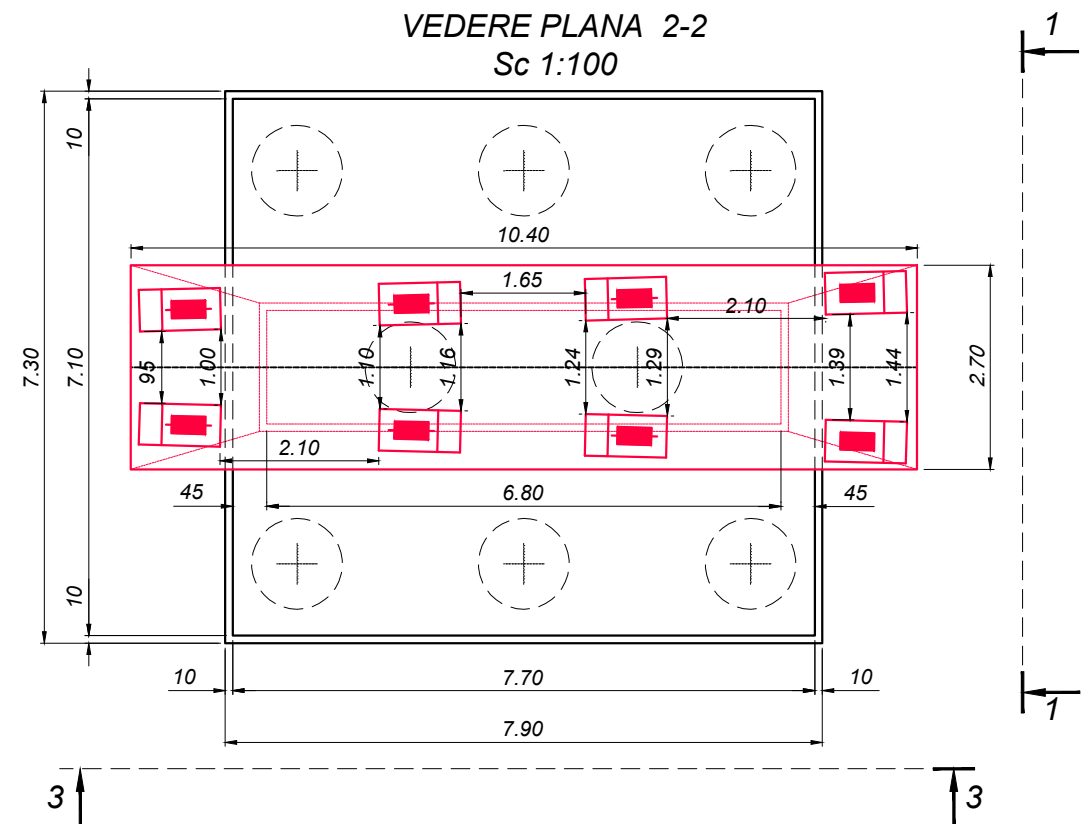
**CERINTE DE CALITATE
ELEVATII**
Beton: C30/37
Otel: BST500C
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 Kg/m³

NOTA:
- Toate elementele de beton in contact cu pamantul se vor proteja cu emulsie bituminoasa sau alte solutii de protectie anticoroziva

LEGENDA:
REALIZAT-
NEREALIZAT-

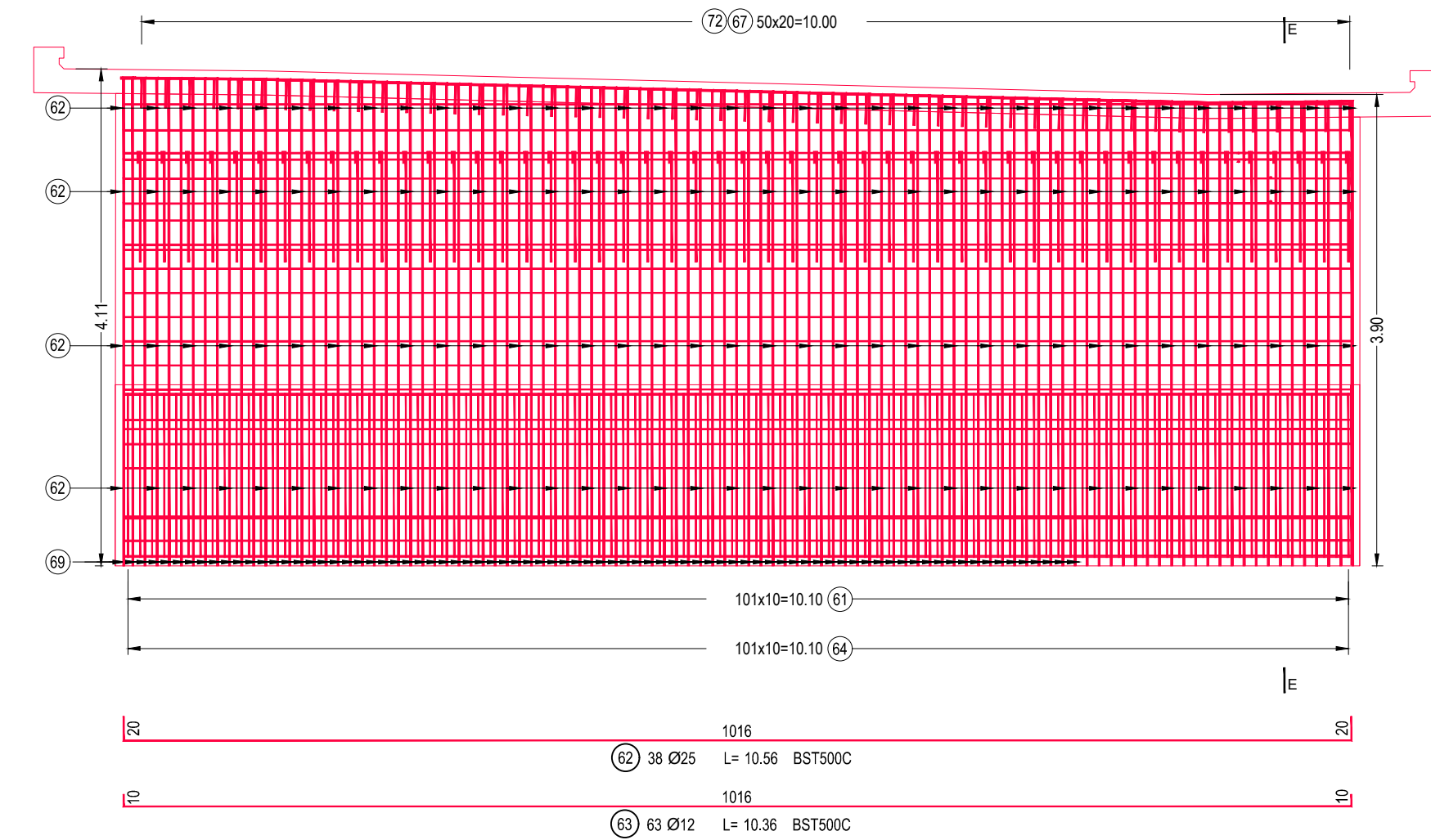
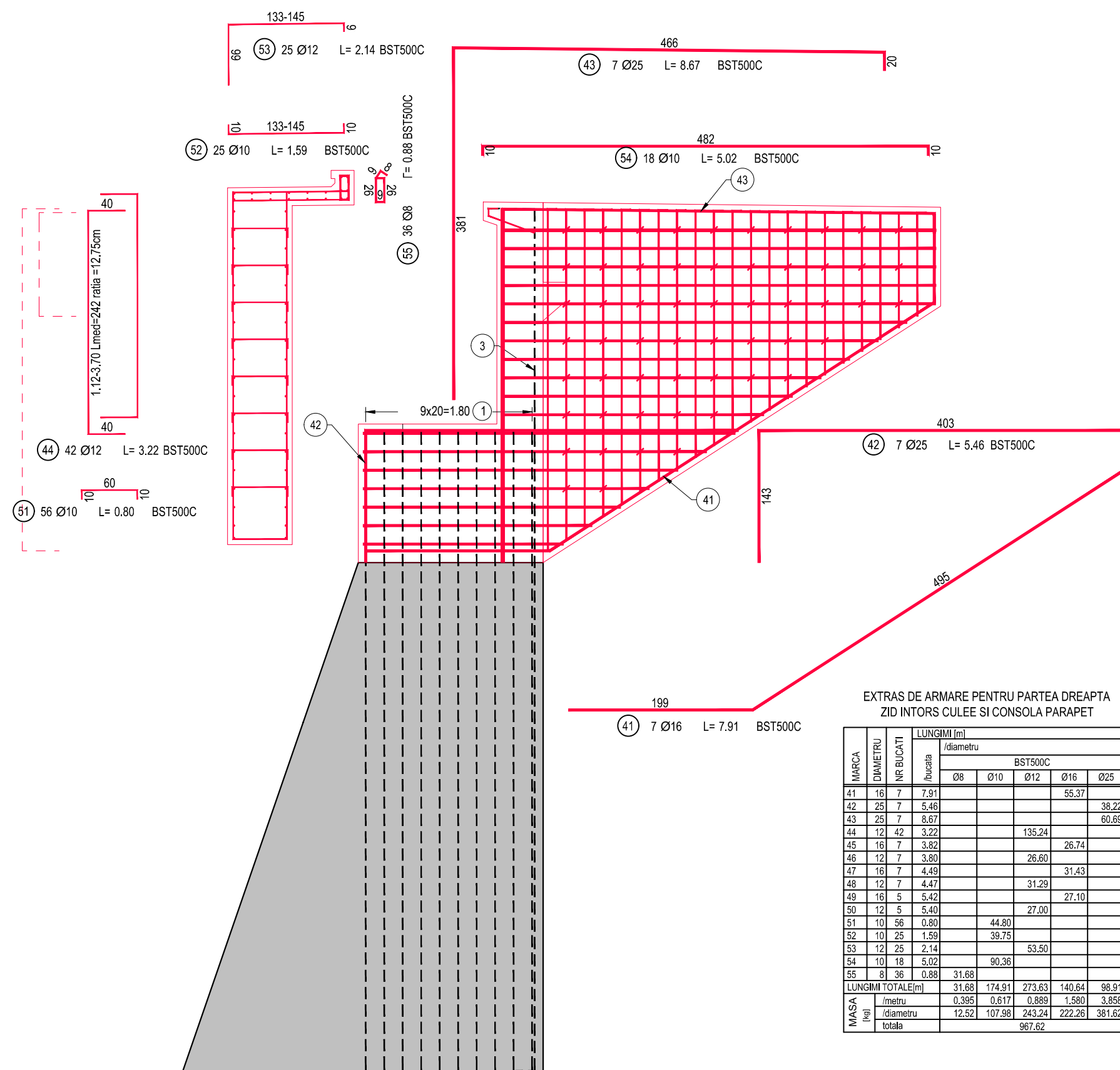


VEDERE PLANA 2-2
Sc 1:100



 INVESTITOR COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE S.A.	 PROIECTANT GENERAL THE WAY TO DARE BEYOND THE LIMITS CONSULT D P CONSULT S.A.		DENUMIRE PROIECT PROIECTARE SI EXECUTIE "VARIANTA DE OCOLIRE TIMISOARA SUD" ELABORARE PROIECT TEHNIC REST DE EXECUTAT NUMAR CONTRACT: 550/36/09.02.2023 NUMAR PROIECT : 556	FAZA PROIECT PROIECT TEHNIC REST DE EXECUTAT Data : 03.2023 VERIFICATOR TEHNIC	Manager de Proiect ing. Silvan Moldovan Sef Echipa Proiectare ing. Raul Cocis Inginer Proiectant Poduri ing. Attila Takacs Inginer Proiectant ing. Teodor Sabadis	REVIZII			DENUMIRE PLANSA PASAJ KM 1+528 PESTE CF 132 TIMISOARA VEST-CRUCENI PLAN COFRAJ PILA 6 Scara : 1:100 NUMAR PLANSA 10036-VOTM-STR02-CI-07
						NR. REV.	DATA	SEMN.	

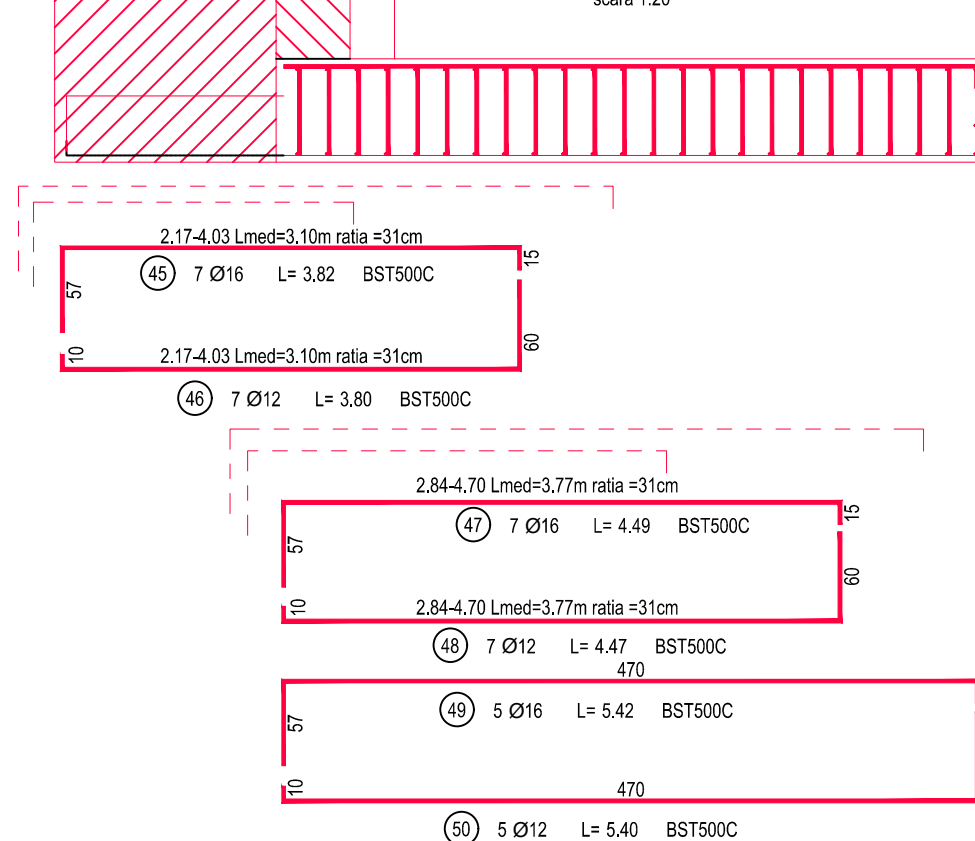
ZID INTURS PARTEA DREAPTA



**CERINTE DE CALITATE
ELEVATII**
Beton: C30/37
Otel: BST500C
Clasa de expunere: XC4, XD1,
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 Kg/m³

EXTRAS DE ARMARE PENTRU PARATA DREPTA ZID INTORS CULME SI CONSOLA PARAPET									
MARCĂ	MATERIE DE BUCAT	LUNGIME (m)					BS7500C		
		bucata	idarme						
			08	010	012	016			
41	16	7	7,91				53,37		
42	25	7	5,46					38	
43	25	7	6,87						36
44	16	7	8,27			135,24			
45	16	7	3,82					26,74	
46	12	3	3,42				26,60		
47	16	7	3,82					31,43	
48	12	4	5,47						
49	16	7	3,42			27,29		27,10	
50	16	7	5,46						
51	10	56	0,80			44,80			
52	10	25	1,59			39,75			
53	13	12	1,59			33,50			
54	10	18	1,02			30,36			
55	10	35	1,38		31,68				
56	10	35	1,38		31,68	174,71	273,63	140,84	98,35
57	10	35	1,38		31,68	174,71	273,63	140,84	98,35
58	10	35	1,38		31,68	174,71	273,63	140,84	98,35
59	10	35	1,38		31,68	174,71	273,63	140,84	98,35
60	10	35	1,38		31,68	174,71	273,63	140,84	98,35
61	10	35	1,38		31,68	174,71	273,63	140,84	98,35
62	10	35	1,38		31,68	174,71	273,63	140,84	98,35
63	10	35	1,38		31,68	174,71	273,63	140,84	98,35
64	10	35	1,38		31,68	174,71	273,63	140,84	98,35
65	10	35	1,38		31,68	174,71	273,63	140,84	98,35
66	10	35	1,38		31,68	174,71	273,63	140,84	98,35
67	10	35	1,38		31,68	174,71	273,63	140,84	98,35
68	10	35	1,38		31,68	174,71	273,63	140,84	98,35
69	10	35	1,38		31,68	174,71	273,63	140,84	98,35
70	10	35	1,38		31,68	174,71	273,63	140,84	98,35
71	10	35	1,38		31,68	174,71	273,63	140,84	98,35
72	10	35	1,38		31,68	174,71	273,63	140,84	98,35
73	10	35	1,38		31,68	174,71	273,63	140,84	98,35
74	10	35	1,38		31,68	174,71	273,63	140,84	98,35
75	10	35	1,38		31,68	174,71	273,63	140,84	98,35
76	10	35	1,38		31,68	174,71	273,63	140,84	98,35
77	10	35	1,38		31,68	174,71	273,63	140,84	98,35
78	10	35	1,38		31,68	174,71	273,63	140,84	98,35
79	10	35	1,38		31,68	174,71	273,63	140,84	98,35
80	10	35	1,38		31,68	174,71	273,63	140,84	98,35
81	10	35	1,38		31,68	174,71	273,63	140,84	98,35
82	10	35	1,38		31,68	174,71	273,63	140,84	98,35
83	10	35	1,38		31,68	174,71	273,63	140,84	98,35
84	10	35	1,38		31,68	174,71	273,63	140,84	98,35
85	10	35	1,38		31,68	174,71	273,63	140,84	98,35
86	10	35	1,38		31,68	174,71	273,63	140,84	98,35
87	10	35	1,38		31,68	174,71	273,63	140,84	98,35
88	10	35	1,38		31,68	174,71	273,63	140,84	98,35
89	10	35	1,38		31,68	174,71	273,63	140,84	98,35
90	10	35	1,38		31,68	174,71	273,63	140,84	98,35
91	10	35	1,38		31,68	174,71	273,63	140,84	98,35
92	10	35	1,38		31,68	174,71	273,63	140,84	98,35
93	10	35	1,38		31,68	174,71	273,63	140,84	98,35
94	10	35	1,38		31,68	174,71	273,63	140,84	98,35
95	10	35	1,38		31,68	174,71	273,63	140,84	98,35
96	10	35	1,38		31,68	174,71	273,63	140,84	98,35
97	10	35	1,38		31,68	174,71	273,63	140,84	98,35
98	10	35	1,38		31,68	174,71	273,63	140,84	98,35
99	10	35	1,38		31,68	174,71	273,63	140,84	98,35
100	10	35	1,38		31,68	174,71	273,63	140,84	98,35

VEDERE PLANA ZID INTORS
scara 1:20



REALIZAT-	<div></div>
NEREALIZAT-	<div></div>



PROIETTANT GENERALI

THE WAY TO SHARE BEYOND THE LIMITS

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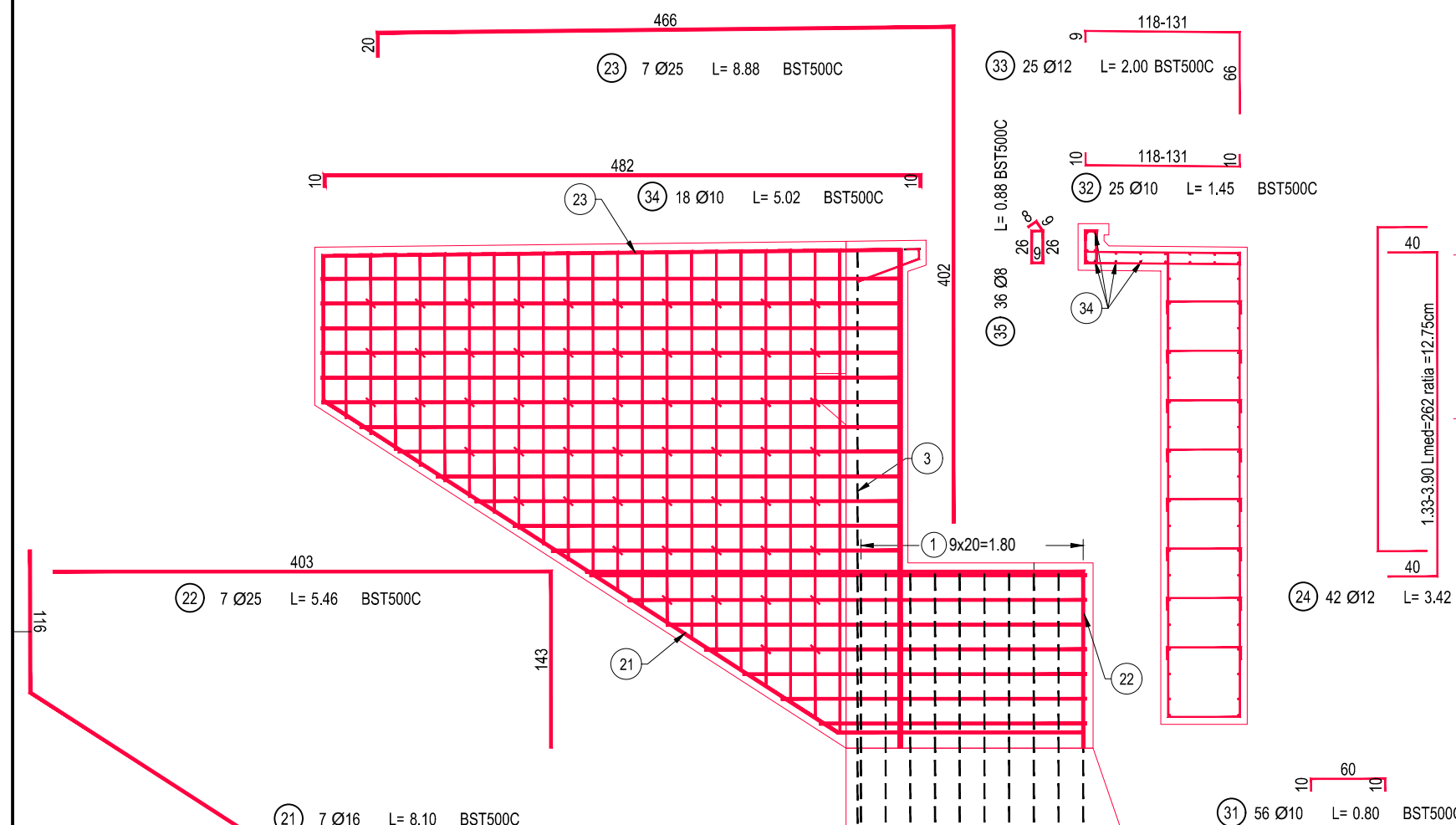
NUMAR PROJECT : 556

Inginer Proiectant

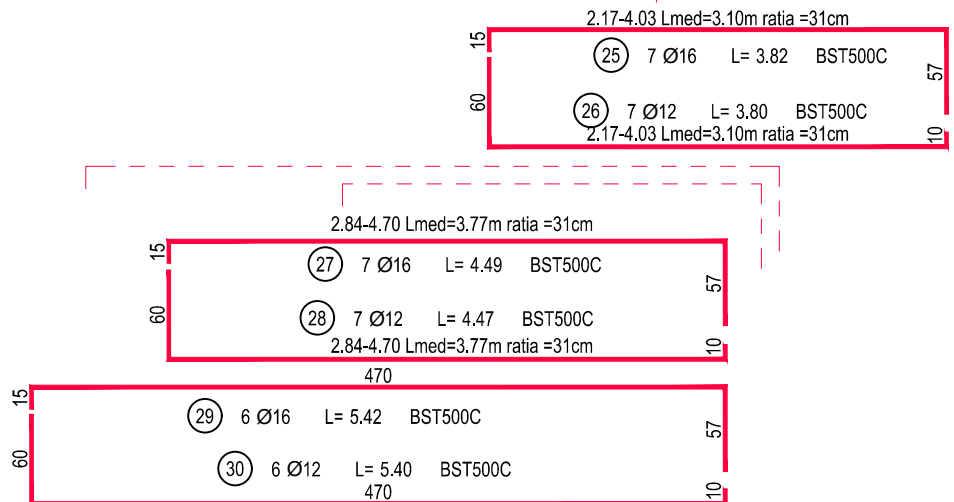
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NUMAR PLANSA
10036-VOTM-STR02-Ai-04

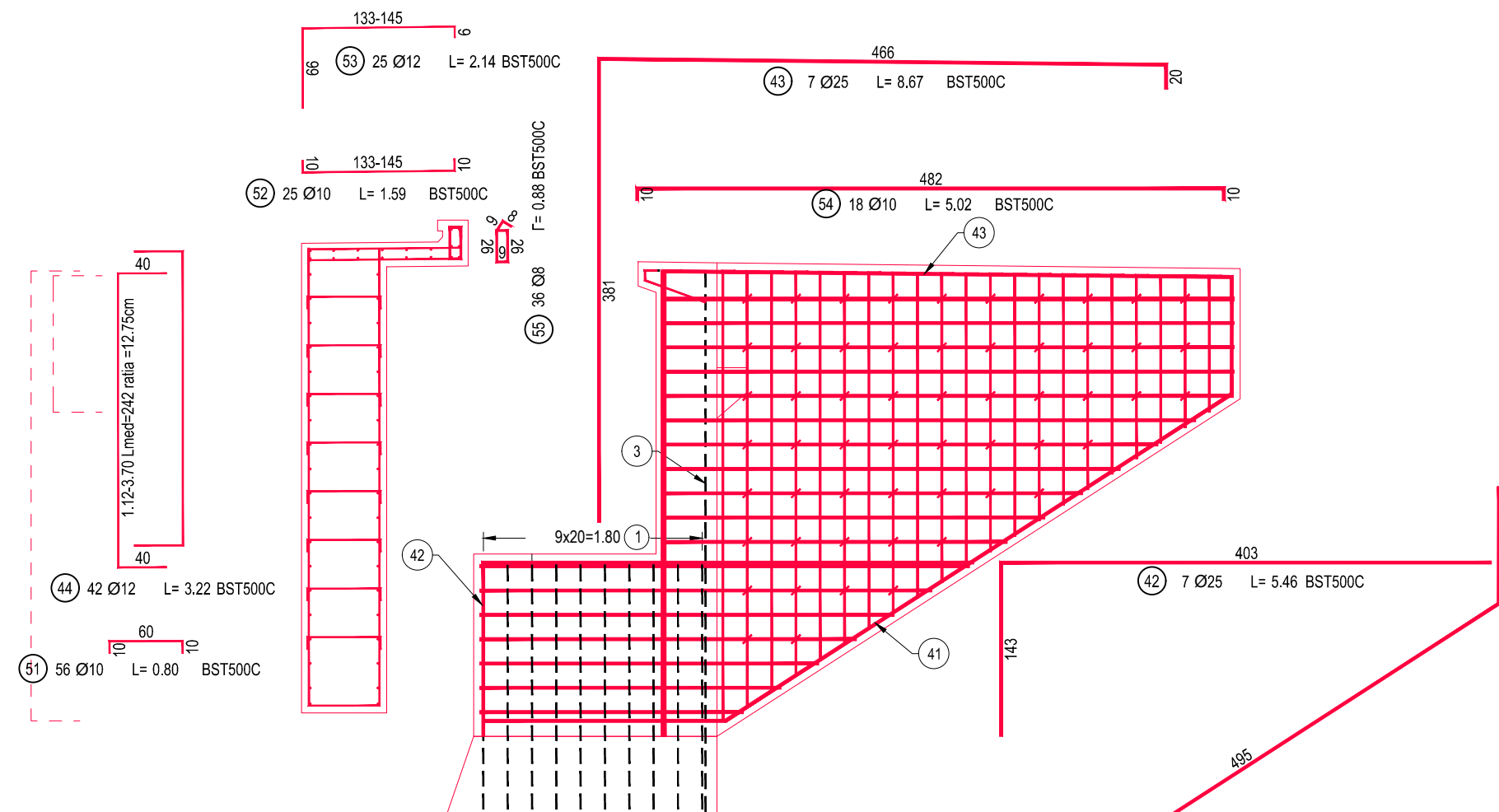
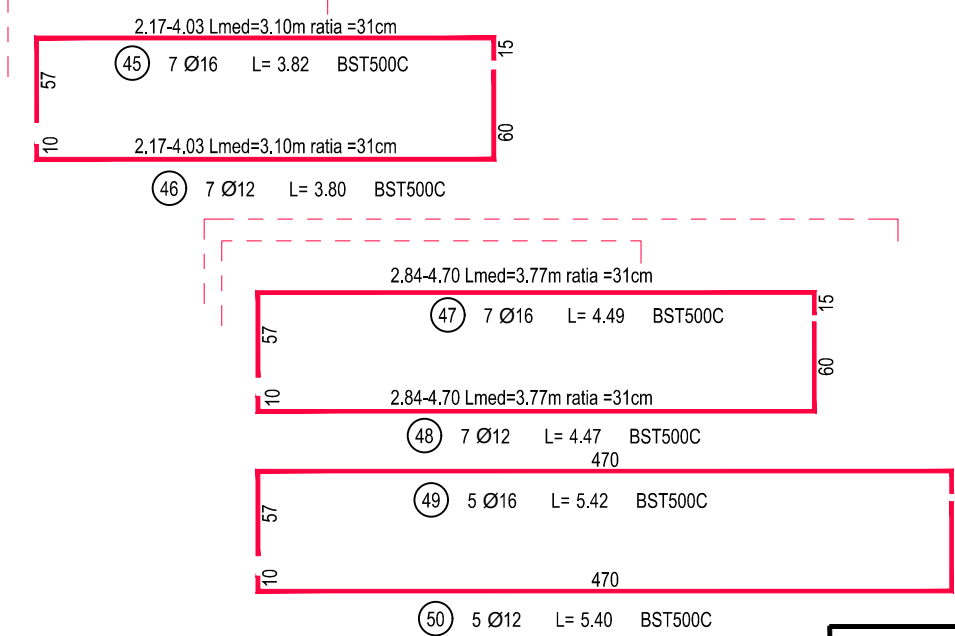
ZID INTORS PARTEA STANGA



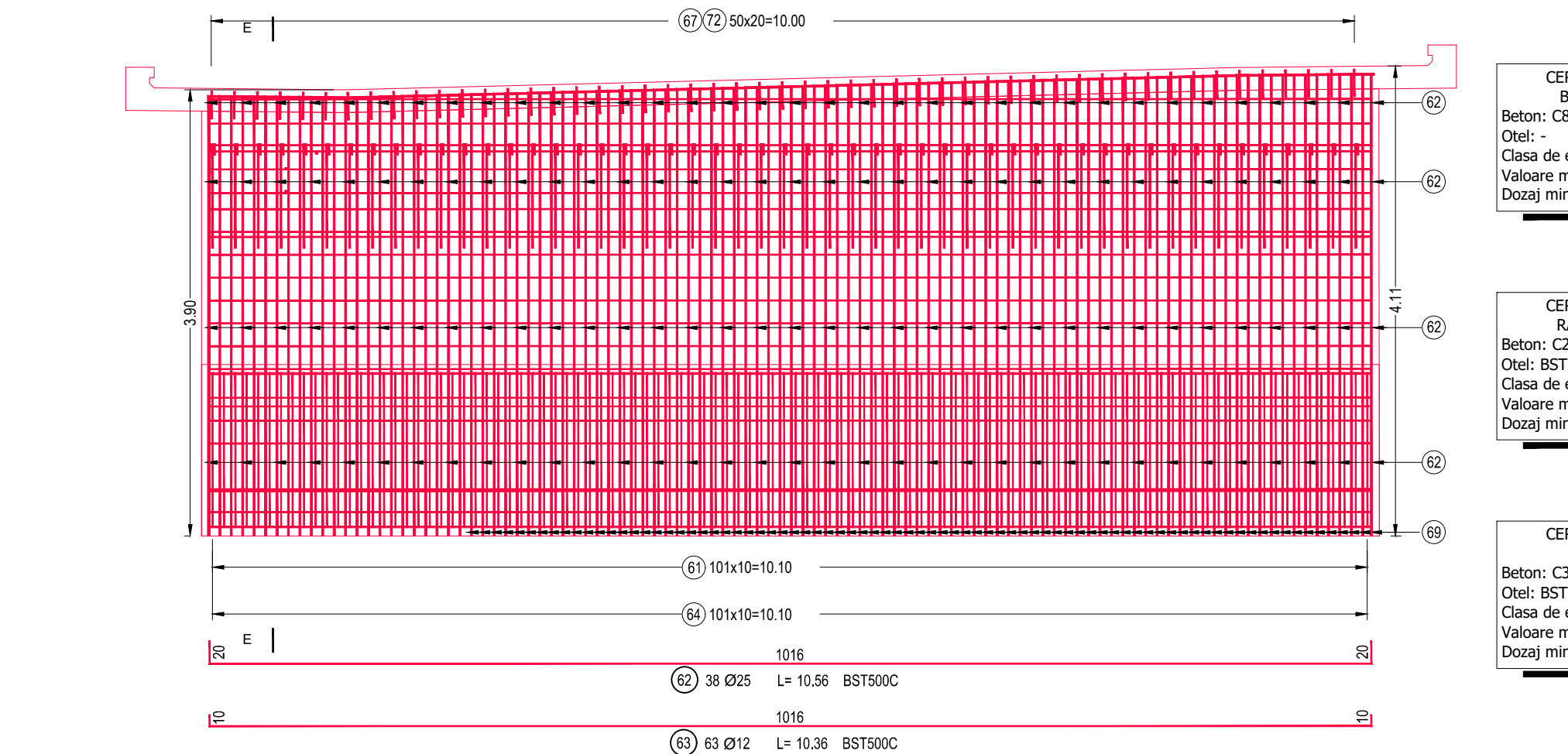
VEDERE PLANA ZID
scara 1:20



ZID INTORS PARTEA DREAPTA

VEDERE PLANA ZID INTORS
page 1/20

BANCHETA CUZINETI + ZID GARDA




EXTRAS DE ARMARE									
ZID DE GARA SI BANCHETA CUZINETILOR C2									
MARCĂ	DIAMETRUL [mm]	BUCATA [m]	LUNGIMEA [m]				BISTEOC		
			Ø12	Ø16	Ø20	Ø25	Ø32		
61	20	104				514,90			
62	25	38	10,56					401,28	
63	12	58	652,68						
64	16	52	522		271,44				
65	12	52	544	282,88					
66	18	22	338		74,38				
67	16	8	2,81		22,48				
68	20	103	414			426,42			
69	28	32	103	445,82					458,35
70	12	52	1,63	30,36					
71	20	16	1,17			18,72			
72	12	104		101,92					
LUNGIMEA TOTALA [m]			1072,84	368,28	1443,54	401,28	458,35		
MASA	[kg]								
	intru	0,889	1,580	2,469	3,858	6,321			
	[diagrama]		953,70	582,01	3264,52	1549,23	2897,47		


CANTITATEA TOTALA DE ARMATURA, BANCHETA ZID DE GARD SI ZIDURI INTORSE CULEE C2				
Nr. crt.	Element	Nr. elemente asemenea	kg / element	TOTAL kg / element
1	ZID INTORS STANGA	1	991	991 —
2	ZID INTORS DREAPTA	1	968	968 —
3	ZID DE GARD SI BANCHETA CUZINETILOR	1	9546	9546
CANTITATEA TOTALA I / STRUCTURA				11504

EXTRAS DE ZĂMURE PENTRU PARTEA DREAPTĂ DE ÎNTOUR CULEE ȘI CONSOLA PARAZIT									
MARCĂ	DIAMETRU [mm]	LUNGĂIME [mm]	LUNGĂIME [mm]					STABILIZANT	MĂSURA [mm]
			Ø6	Ø10	Ø12	Ø16	Ø25		
41	16	7	9,91				55,37		
42	25	7	5,46						38,22
43	25	7	8,67						60,99
44	12	42	2,42			135,24			
45	16	7	3,82						26,74
46	12	7	3,82			26,60			31,43
47	16	7	4,80						37,29
48	12	5	4,42			31,29			27,10
49	16	7	5,47			27,29			
50	10	12	5	4,80				53,50	
51	10	56	0,80			44,80			
52	10	25	1,59			39,75			
53	10	25	1,54					53,50	
54	10	18	5,02						
55	31	36	3,88			17,31			
56	10	25	1,59			39,75			
57	10	25	1,54					53,50	
58	10	25	1,59			39,75			
59	10	25	1,54					53,50	
60	10	25	1,59			39,75			
61	10	25	1,54					53,50	
62	10	25	1,59			39,75			
63	10	25	1,54					53,50	
64	10	25	1,59			39,75			
65	10	25	1,54					53,50	
66	10	25	1,59			39,75			
67	10	25	1,54					53,50	
68	10	25	1,59			39,75			
69	10	25	1,54					53,50	
70	10	25	1,59			39,75			
71	10	25	1,54					53,50	
72	10	25	1,59			39,75			
73	10	25	1,54					53,50	
74	10	25	1,59			39,75			
75	10	25	1,54					53,50	
76	10	25	1,59			39,75			
77	10	25	1,54					53,50	
78	10	25	1,59			39,75			
79	10	25	1,54					53,50	
80	10	25	1,59			39,75			
81	10	25	1,54					53,50	
82	10	25	1,59			39,75			
83	10	25	1,54					53,50	
84	10	25	1,59			39,75			
85	10	25	1,54					53,50	
86	10	25	1,59			39,75			
87	10	25	1,54					53,50	
88	10	25	1,59			39,75			
89	10	25	1,54					53,50	
90	10	25	1,59			39,75			

EXTRAS DE ARMARE PENTRU PARTEA STANGA ZIZ INTORS CULMEI SI CONSOLA PARAPET									
MARCA	DIAMETRU TUBULUI IN mm	IN mm	LUNGHEMI mm					ST5000C	ST5000C
			mm						
			006	010	012	016	025		
21	16	7	8,10					56,70	32,12
22	25	7	5,46						68,22
23	32	7	6,88						82,22
24	42	42	4,42				143,84		
25	16	7	3,82					26,74	
26	25	7	3,82				28,80		
27	16	7	4,49					31,43	
28	12	7	4,47				31,29		
29	16	7	4,43					32,62	
30	12	7	5,40				32,49		
31	10	56	0,80				46,25		
32	10	48	0,80				38,80		
33	10	56	2,00				50,00		
34	10	18	5,02				90,36		
LUNGHEMI TOTAL			31,68				11,58		
mm			0,295	0,617	0,899	1,580	3,858		
diametru			12,52	105,92	252,40	233,93	387,29		

LEGENDA:

REALIZAT- 

NEREALIZAT- 

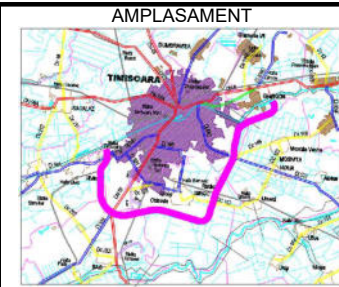


PROIECTANT GENERAL

THE WAY TO DARE BEYOND THE LIMITS

CONSULT

D P CONSULT S.A.



DENUMIRE PROIECT
PROIECTARE SI EXECUTIE
"VARIANTA DE OCOLIRE
TIMISOARA SUD"
ELABORARE PROIECT TEHNIC
REST DE EXECUTAT

NUMAR CONTRACT: 550/36/09.02.2023

NUMAR PROIECT : 556

<p>FAZA PROIECT</p> <p>PROIECT TEHNIC</p> <p>REST DE EXECUTAT</p>	
<p>Data : 03.2023</p>	
<p>VERIFICATOR TEHNIC</p>	

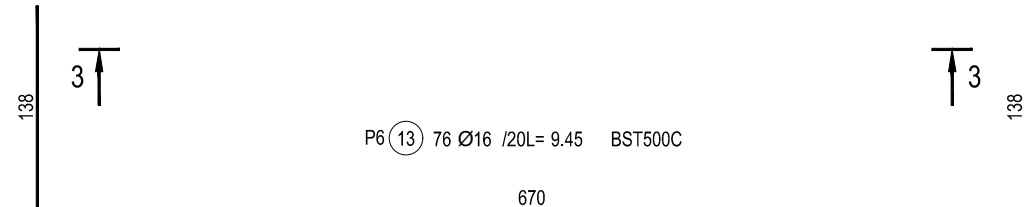
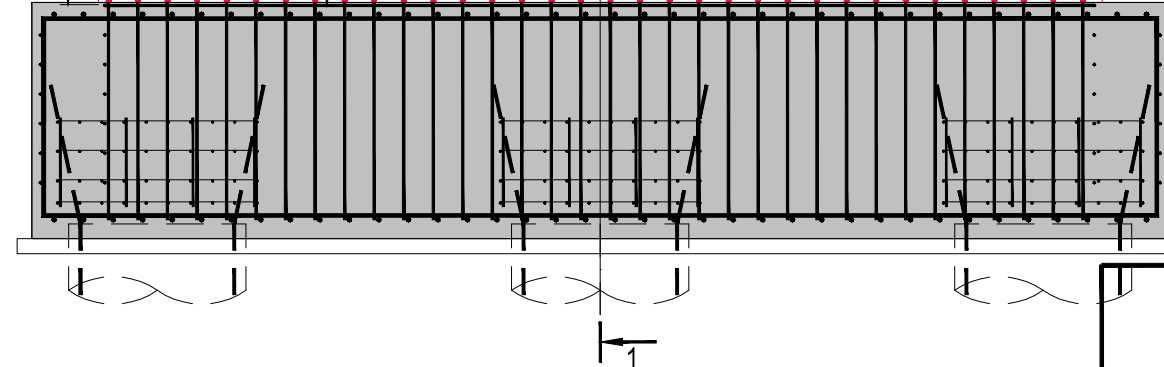
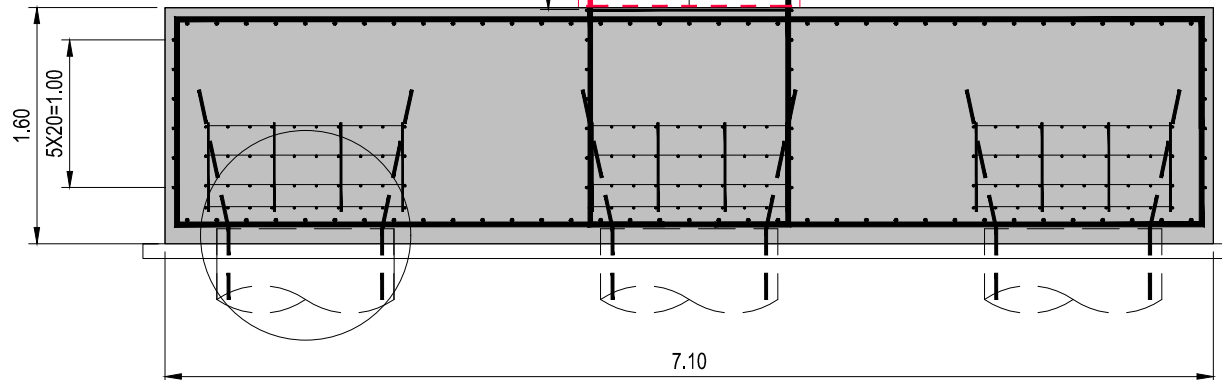
Manager de Proiect	ing. Silivan Moldovan
Sef Echipa Proiectare	ing. Raul Cocis
Inginer Proiectant Poduri	ing. Attila Takacs
Inginer Proiectant	

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DENUMIRE PLANSA
PASAJ KM 1+528 PESTE DJ 591
SI LINII DE TRAMVAI
PLAN ARMARE
BANCHETA, ZID DE GARDA SI
ZIDURI INTOARSE C2

Scara : 1:50

NUMAR PLANSA
10036-VOTM-STR02-Ai-05



CANTITATEA TOTALA DE ARMATURA				
Nr. crt.	Element	Nr. elemente asemenea	kg / element	TOTAL kg / elemente asemenea
2	RADIER+ELEVATIE P6	1	18217	18217
CANTITATEA TOTALA / STRUCTURA				18217

MARCA	DIAMETRU	NR BUCATI	LUNGIMI [m]		
			/bucata	/diametru	
				BST500C	
				Ø16	Ø25
10	16	173	4.13		
14	25	82	9.53	714.49	781.46
LUNGIMI TOTALE[m]				714.49	781.46
MASA [kg]		/metru		1.580	3.858
		/diametru		1129.14	3015.08
		totala		4144.22	

CERINTE DE CALITATE
BETON EGALIZARE
Beton: C8/10
Otel: -
Clasa de expunere: -
Valoare max. A/C: -
Dozaj min. ciment: -

**CERINTE DE CALITATE
RADIERE/FUNDATII**
Beton: C25/30
Otel: BST500C
Clasa de expunere: XC2, XF3.
Valoare max. A/C: 0.55^a
Dozaj min. ciment: 300 Kg/m³

**CERINTE DE CALITATE
ELEVATII**
Beton: C30/37
Otel: BST500C
Clasa de expunere: XC4, XD1,
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 Kg/m³

LEGENDA:

REALIZAT-

NEREALIZAT-

REVIZII			DENUMIRE PLANSĂ
NR. REV.	DATA	SEM.	PASAJ KM 1+528 PESTE CF 132 TIMISOARA VEST-CRUCENI PLAN ARMARE RADIER SI ELEVATIE PILA P6
Scara :			1:50
			NUMAR PLANSĂ
			10036-VOTM-STR02-Ai-07

INVESTITOR



COMPANIA NATIONALA DE ADMINISTRARE
A INFRASTRUCTURII RUTIERE S.A.

Stampa: SOCIETATEA D. P. CONSULT SA
CLUJ-ROMANIA



DENUMIRE PROIECT
PROIECTARE SI EXECUTIE
"VARIANTA DE OCOLIRE
TIMISOARA SUD"
ELABORARE PROIECT TEHNIC
REST DE EXECUTAT

NUMAR CONTRACT: 550/36/09.02.2023

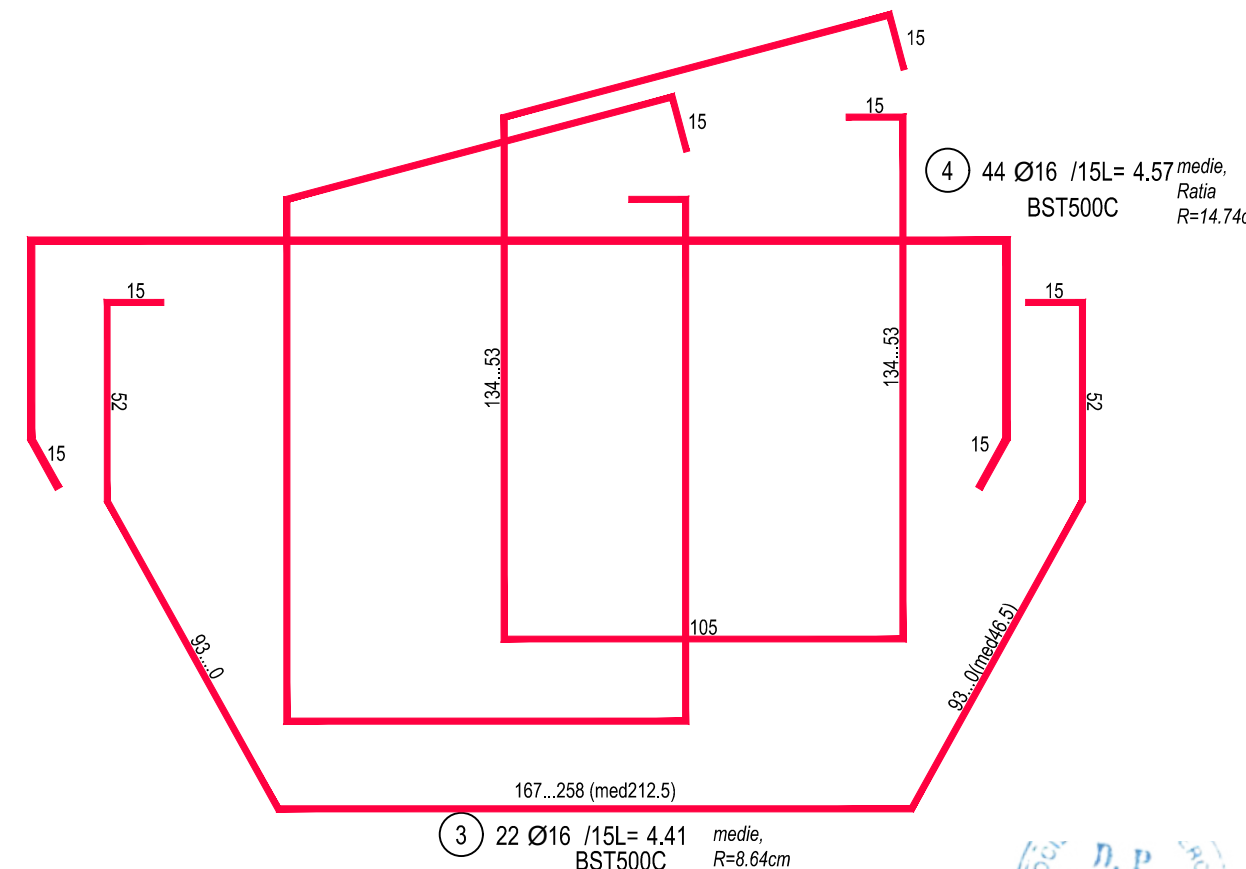
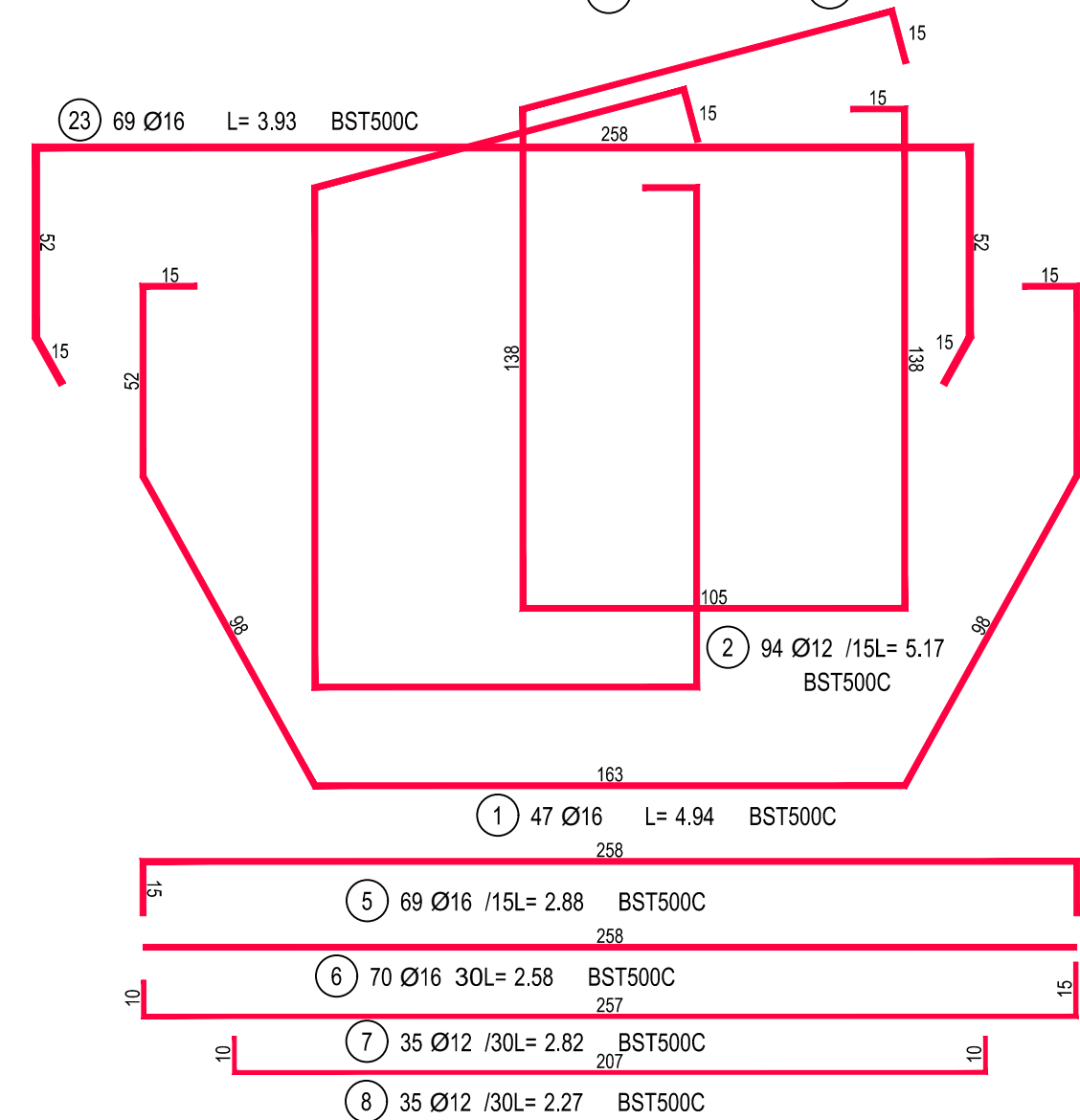
NUMAR PROIECT : 556

FAZA PROIECT
PROIECT TEHNIC
REST DE EXECUTA

Data : 03.2023	
VERIFICATOR TEHNIC	

Manager de Proiect	ing. Silivan Moldovan
Sef Echipa Proiectare	ing. Raul Cocis

Inginer Proiectant Podu ing. Attila Takacs
Inginer Proiectant ing. Teodor Sabadis



EXTRAS DE ARMARE PENTRU O SINGURA RIGLA										
MARCA	DIAMETRU	NR BUCATI	LUNGIMI [m]							
			/bucata	/diametru						
				BST500C						
				Ø12	Ø16	Ø20	Ø25			
1	16	47	4.94			232.18				
2	12	94	5.17	485.98						
3	16	22	4.41			97.02				
4	16	44	4.44			201.08				
5	16	69	2.58			198.72				
6	16	70	2.58			180.60				
7	12	35	2.82		98.70					
8	12	35	2.27	79.45						
9	20	32	1.05					33.60		
10	21	11	11.64					128.04		
11	16	6	7.55			45.30				
12	16	6	8.11			48.66				
13	16	6	8.68			52.08				
14	16	6	9.25			55.50				
15	16	6	9.81			58.86				
16	16	24	10.38			249.12				
17	25	13	10.26						133.	
18	25	26	10.56						274.	
23	16	69	3.93			271.17				
LUNGIMI TOTAL[m]					664.13	1690.29		161.64	407.	
MASA [kg]					0.889	1.580		2.469	3.8	
					/diametru	590.38	2671.24	399.14	1573.	
					/diametru totala	5234.70				

NOTA:

- Stratul minim de acoperire este 3.5cm;
- Toate dimensiunile barelor sunt date in ax;
- Constructorul are obligatia de a verifica proiectul inainte de a proceda la executie si de a comunica proiectantului orice nepotrivire, eroare sau neadecvatitate pentru a face corectiile sau clarificarile necesare.
- Prezenta armare este valabila pentru toate riglele;

CERINTE DE CALITATE
ELEVATII



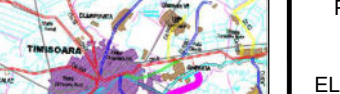
NOTA : Aceasta plansa se citește împreună
cu Plan armare cuzineti;

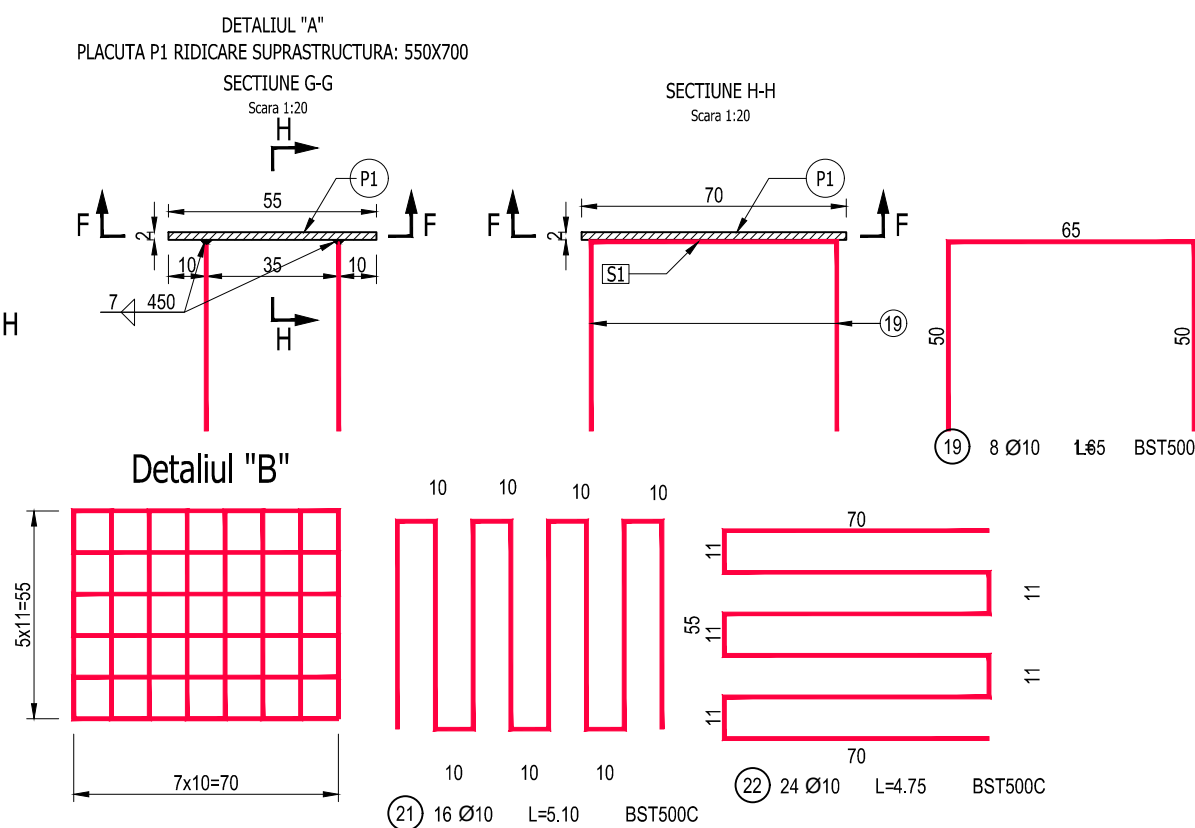
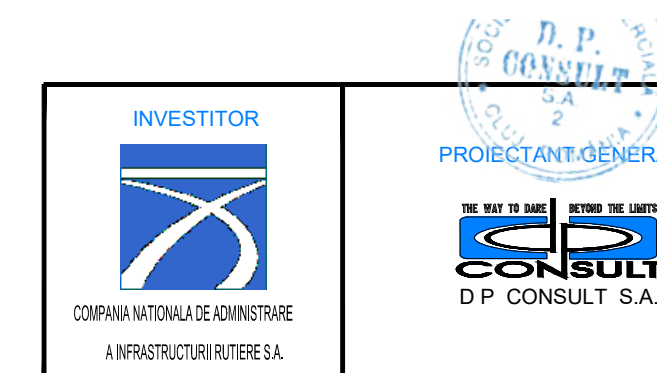
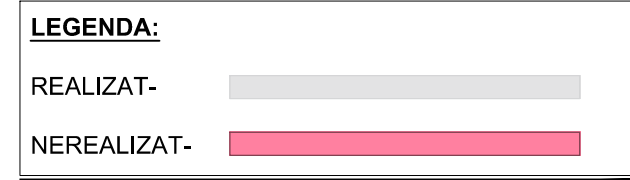
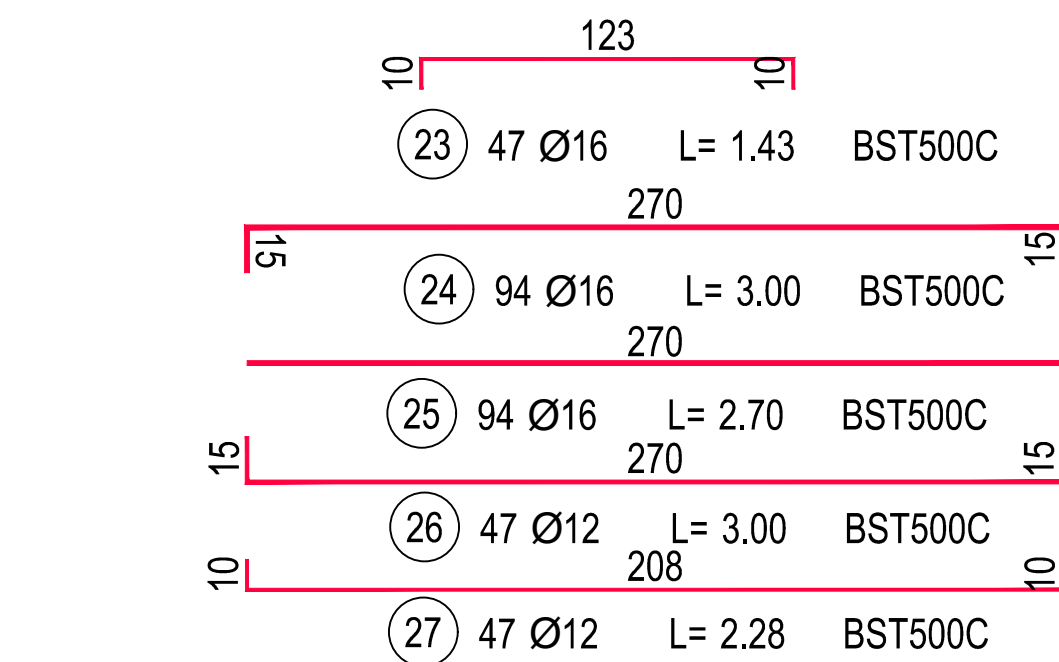
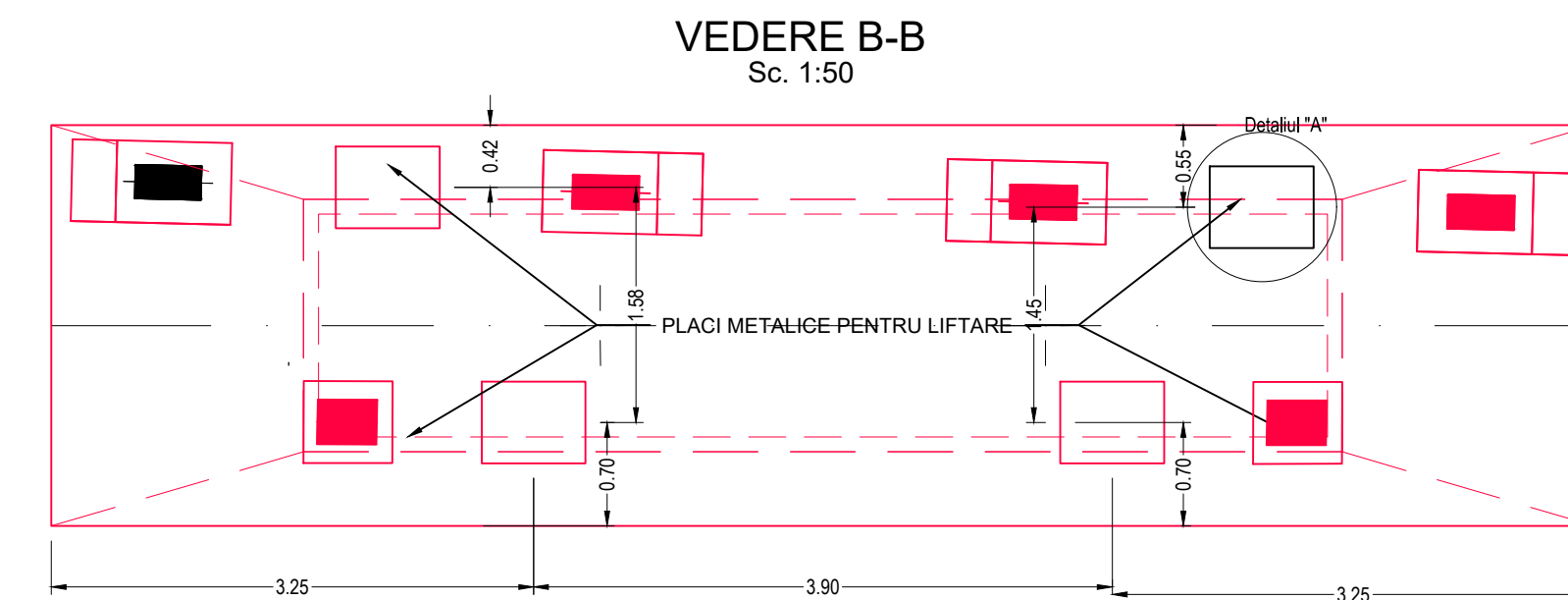
CANTITATEA TOTALA DE ARMATURA				
Nr.crt.	Element	Nr. elemente asemenea	kg / element	TOTAL kg / elemente asemenea
1	RIGLE	2	5687	11374
CANTITATEA TOTALA / STRUCTURA				11374.00

LEGENDA:

REALIZAT-

NEREALIZAT-

<div></div> <div>INVESTITOR</div> <div>COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII IUTIERE S.A.</div>	<div></div> <div>PROIECTANT GENERAL</div>	<div></div> <div>AMPLASAMENT</div>	<div>DENUMIRE PROIECT PROIECTARE SI EXECUTIE "VARIANTA DE OCOLIRE TIMISOARA SUD" ELABORARE PROIECT TEHNIC REST DE EXECUTAT</div>		<div>FAZA PROIECT PROIECT TEHNIC REST DE EXECUTAT</div>		<div>Manager de Proiect ing. Silvan Moldovan</div>	<div>REVIZII</div>			<div>DENUMIRE PLANSA</div> <div>Pasaj KM 1+528 peste CF132 PLAN ARMARE RIGLE PILE P1,P6,P7</div> <div>Scara : 1:50 1:20</div> <div>NUMAR PLANSA</div> <div>10036-VOTM-STR02-AI-12</div>
			<div>NUMAR CONTRACT: 550/36/09.02.2023</div>		<div>Data : 03.2023</div>		<div>Sef Echipa Proiectare ing. Raul Cocis</div>	<div>NR. REV.</div>	<div>DATA</div>	<div>SEMN.</div>	
			<div>NUMAR PROIECT : 556</div>		<div>VERIFICATOR TEHNIC</div>	<div>Inginer Proiectant Poduri ing. Attila Takacs</div>					
						<div>Inginer Proiectant ing. Teodor Sabadis</div>					



**CERINTE DE CALITATE
ELEVATII**

Beton: C30/37
Otel: BST500B
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 Kg/m³

NOTA:

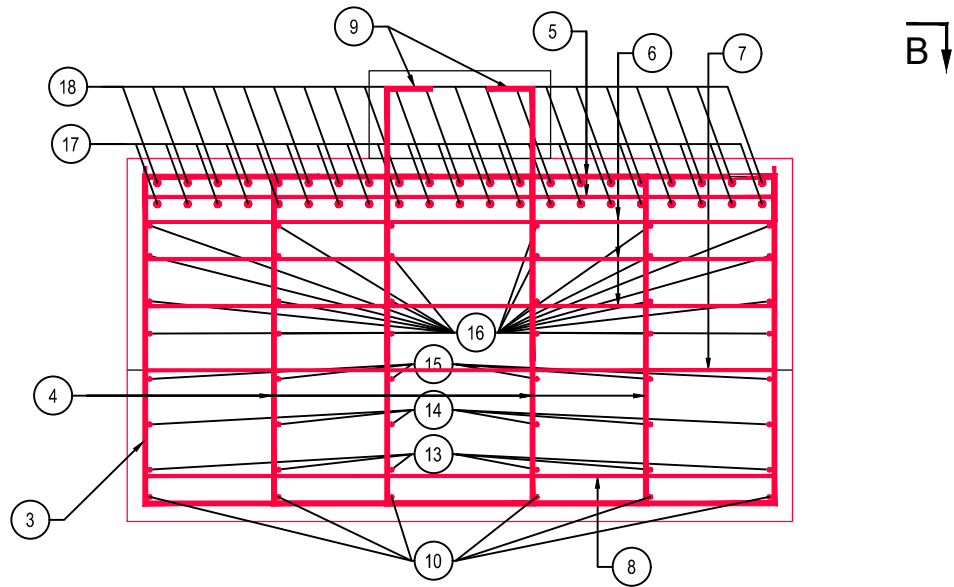
- Stratul minim de acoperire este 3.5cm;
- Toate dimensiunile barelor sunt date in ax;
- Constructorul are obligatia de a verifica proiectul inainte de a proceda la executie si de a comunica proiectantului orice nepotrivire, eroare sau nedaridate pentru a face corectiile sau clarificarile necesare.
- Prezentza armare este valabila pentru toate rigelile;

CANTITATEA TOTALA DE ARMATURA				
Nr.crt.	Element	Nr. elemente asemenea	kg / element	TOTAL kg / elemente asemenea
1	RIGLE	2	7369	14738
CANTITATEA TOTALA / STRUCTURA				14738.00

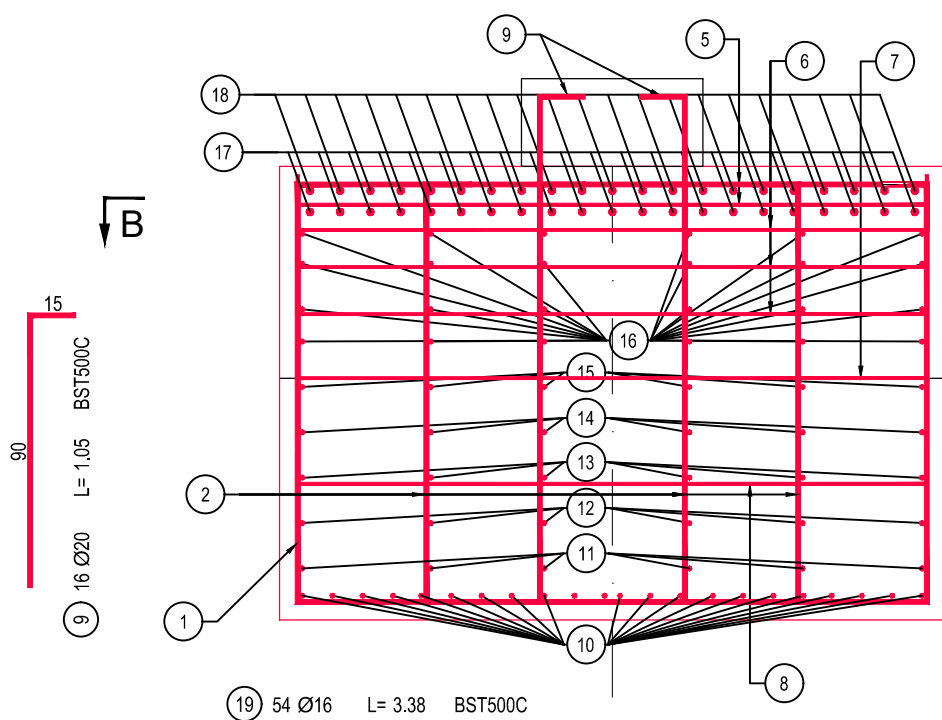
NOTA : Aceasta plasa se citește împreună
cu Plan armare cuzineti;

REVIZII			DENUMIRE PLANSA
NR. REV.	DATA	SEMN.	Pasaj KM 1+528 peste CF PLAN ARMARE RIGLE PILE P2,P5
			Scara : 1:50 1:20
			NUMAR PLANSA
			10036-VOTM-STR02-AI-

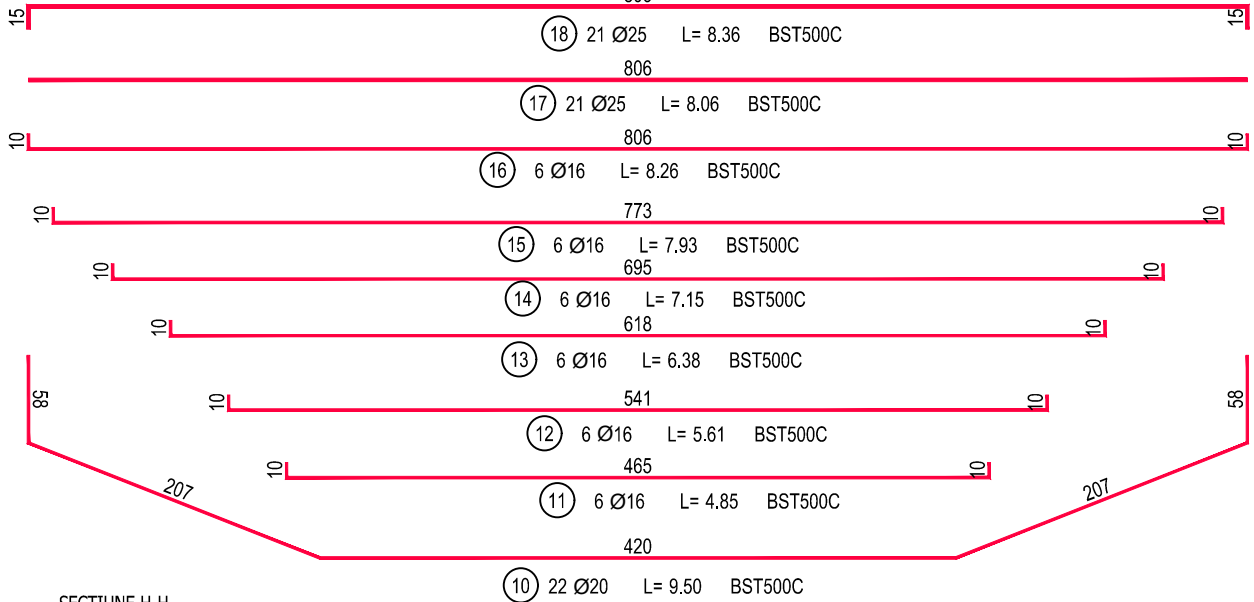
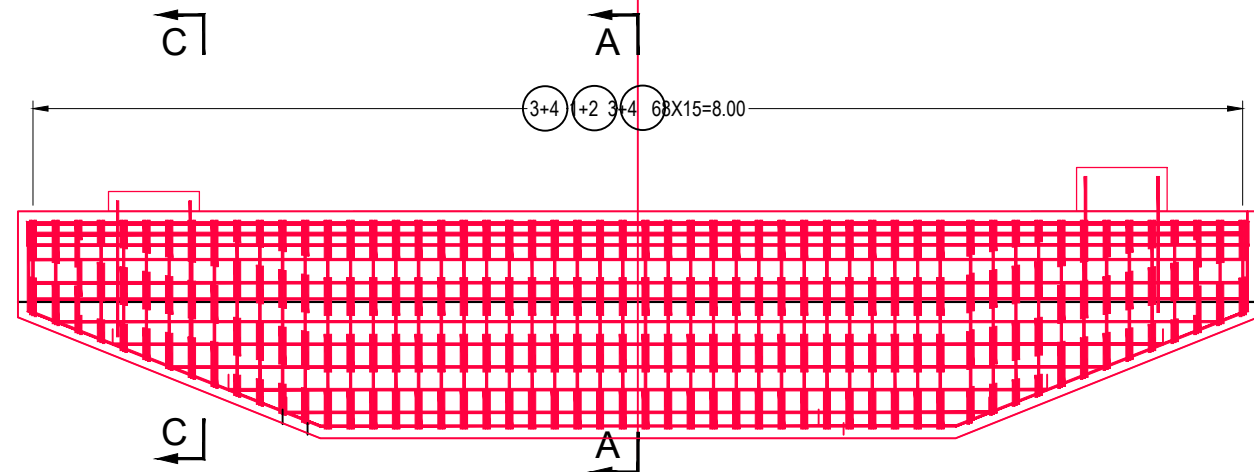
SECTIUNE C-C
Sc. 1:20



SECTIUNE A-A
Sc. 1:20



MARCA	DIAMETRU	NR BUCATI	LUNGIMI [m]				
			/bucata	/diametru			
				BST500C			
			Ø12	Ø16	Ø20	Ø25	
1	16	28	5.14	143.92			
2	16	56	4.76	266.56			
3	16	26	4.55	118.30			
4	16	52	3.98	206.96			
5	16	108	2.38	257.04			
6	16	162	2.08	336.96			
7	12	52	2.38	123.76			
8	12	52	2.28	118.56			
9	20	16	1.05		16.80		
10	20	22	9.50		209.00		
11	16	6	4.85	29.10			
12	16	6	5.61	33.66			
13	16	6	6.38	38.28			
14	16	6	7.15	42.90			
15	16	6	7.93	47.58			
16	16	6	8.26	49.56			
17	25	21	8.06			169.26	
18	25	21	8.36			175.56	
19	16	54	3.38	182.52			
LUNGIMI TOTALE[m]			242.32	1753.34	225.80	344.82	
MASA kg		/metru	0.889	1.580	2.469	3.858	
		/diametru	215.41	2770.89	557.57	1330.41	
totala			4874.27				

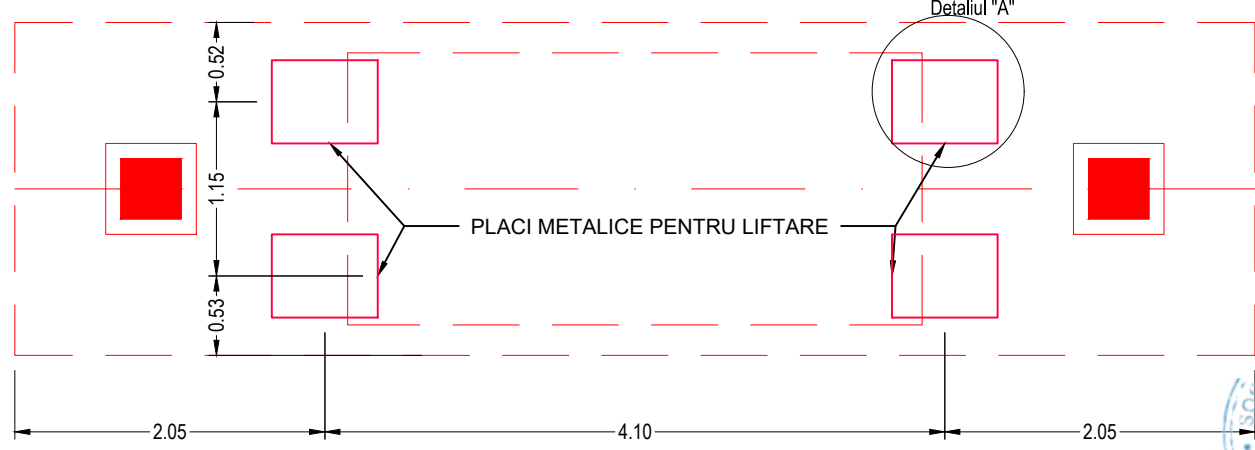


NOTA:
- Stratul minim de acoperire este 3.5cm;
- Toate dimensiunile barelor sunt date in ax;
- Constructorul are obligatia de a verifica proiectul inainte de a proceda la executie si de a comunica proiectantului orice nepotrivire, eroare sau neclaritate pentru a face corectiile sau clarificarile necesare.
- Prezenta armare este valabila pentru toate riglele;

CERINTE DE CALITATE
ELEVATII
Beton: C30/37
Otel: BST500B
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 Kg/m³

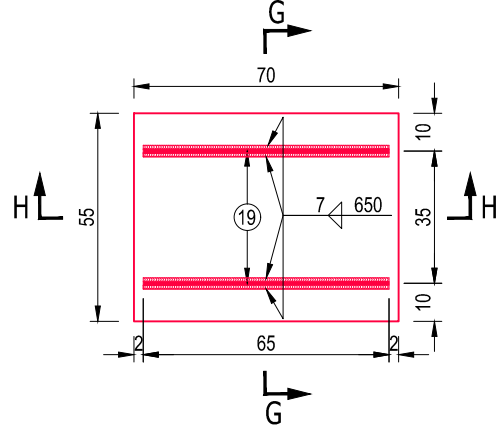
CANTITATEA TOTALA DE ARMATURA				
Nr.crt.	Element	Nr. elemente asemenea	kg / element	TOTAL kg / elemente asemenea
1	RIGLE	2	4874	9748
CANTITATEA TOTALA / STRUCTURA				9748.00

VEDERE B-B
Sc. 1:50

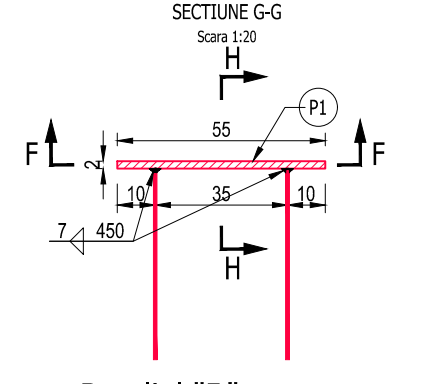


LEGENDA:
REALIZAT-
NEREALIZAT-

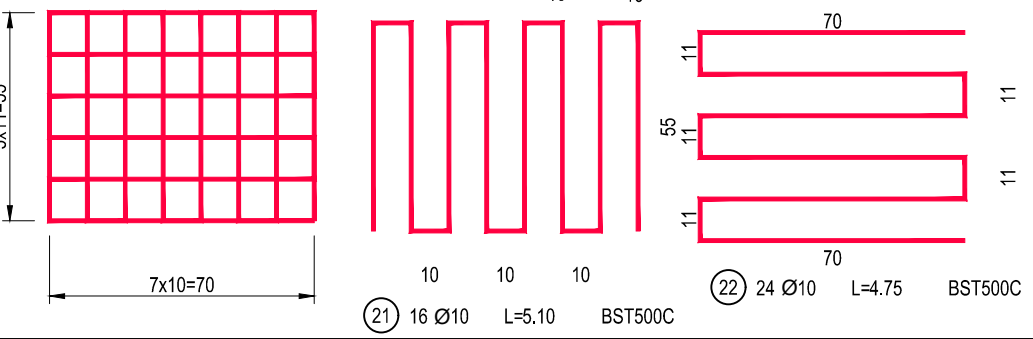
SECTIUNE F-F
Scara 1:20



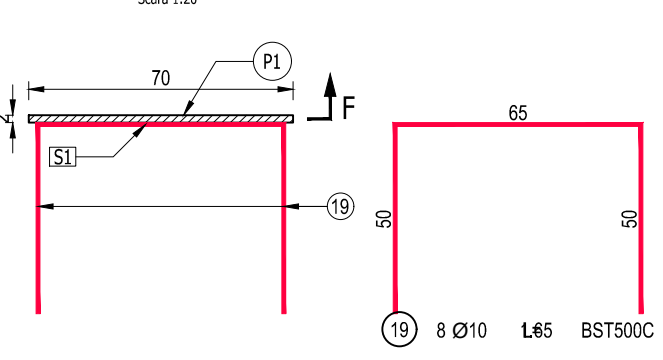
DETALIU "A"
PLACUTA P1 RIDICARE SUPRASTRUCTURA: 550X700



Detaliul "B"



SECTIUNE H-H
Scara 1:20



INVESTITOR
COMPANIA NATIONALA DE ADMINISTRARE
A INFRASTRUCTURII RUTIERE S.A.

PROIECTANT GENERAL
D.P. CONSULT S.A.

AMPLASAMENT

DENUMIRE PROIECT
PROIECTARE SI EXECUTIE
"VARIANTA DE OCOLIRE
TIMISOARA SUD"
ELABORARE PROIECT TEHNIC
REST DE EXECUTAT

NUMAR CONTRACT: 550/36/09.02.2023

NUMAR PROIECT : 556

FAZA PROIECT
PROIECT TEHNIC
REST DE EXECUTAT

Data : 03.2023

VERIFICATOR TEHNIC

Manager de Proiect
ing. Silivan Moldovan
Sef Echipa Proiectare
ing. Raul Cocis
Inginer Proiectant Poduri
ing. Attila Takacs
Inginer Proiectant
ing. Teodor Sabadis

REVIZII		
NR. REV.	DATA	SEM.N.

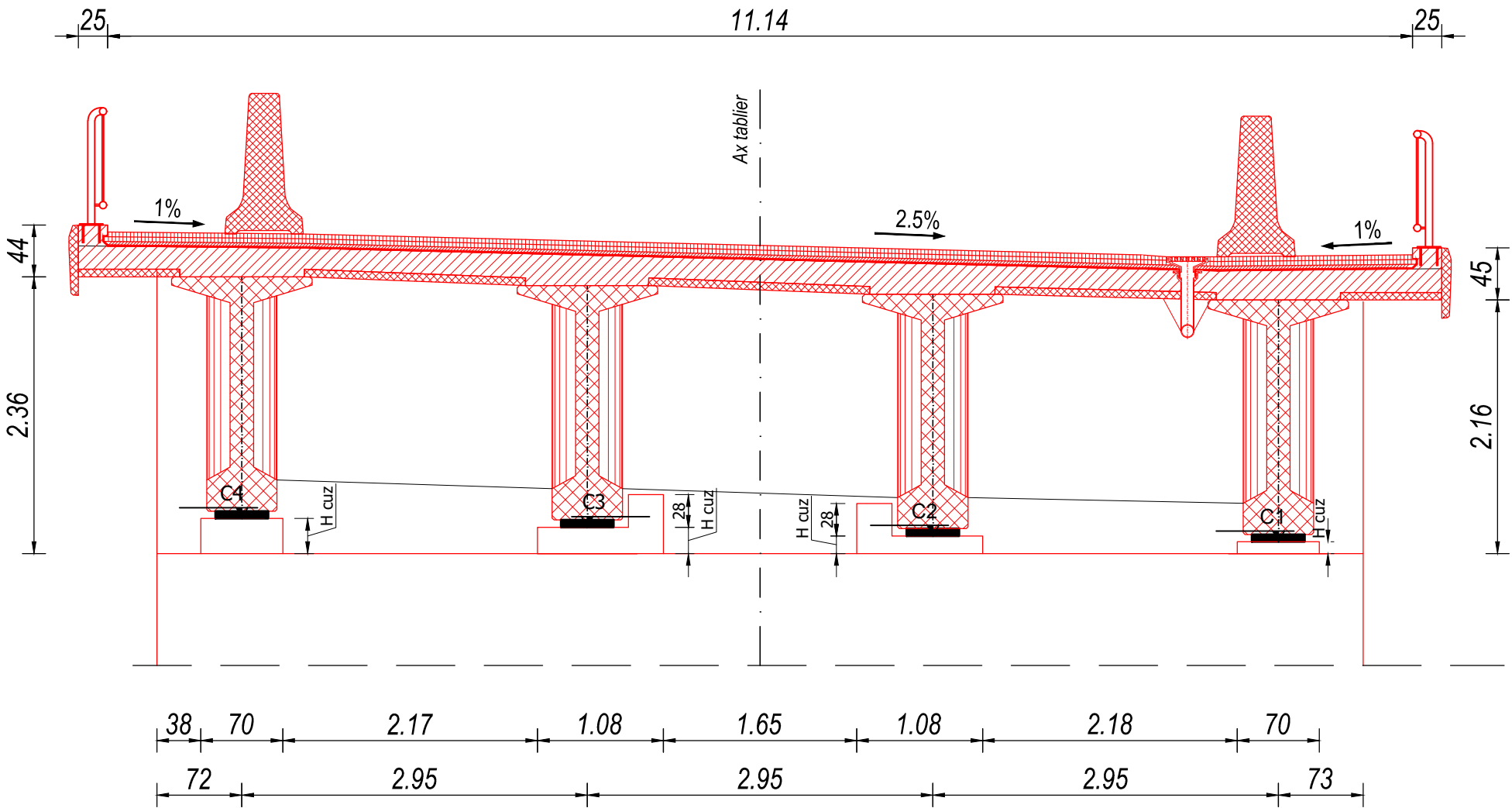
DENUMIRE PLANSA
Pasaj KM 1+528 peste CF132
PLAN ARMARE
RIGLE PILE P3,P4

Scara : 1:50 1:20

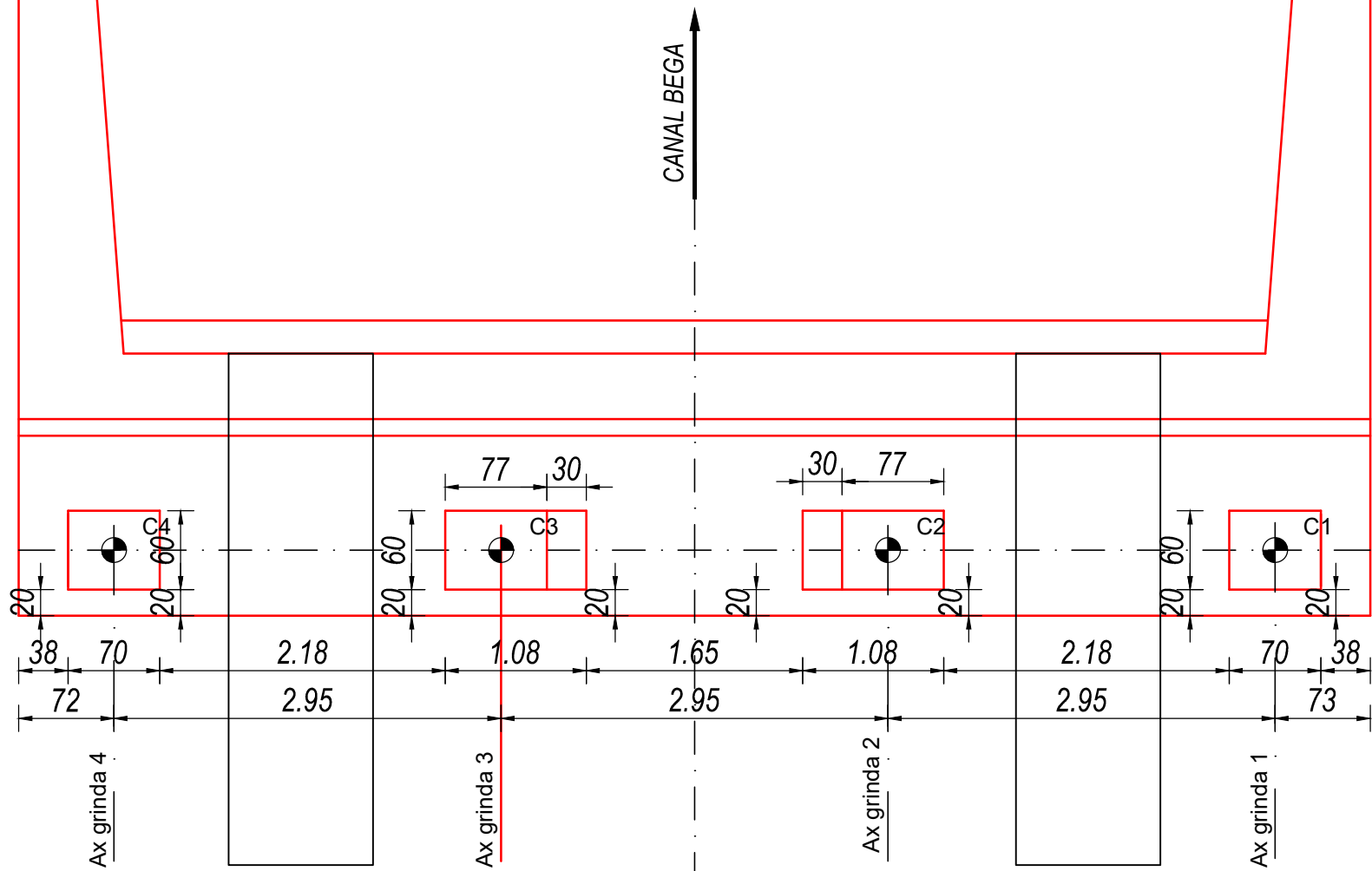
NUMAR PLANSA
10036-VOTM-STR02-Ai-14

CERINTE DE CALITATE
ELEVATII
Beton: C30/37
Otel: BST500C
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 Kg/m³

VEDERE DIN FATA CULEE C1
Sc. 1:50



VEDERE IN PLAN CULEE C1
Sc. 1:50



Cote cuzineti Culee C1				
	C4	C3	C2	C1
Cota cale pe culee	94.903	94.837	94.763	94.708
H-Ar+Gr+Sbet+Cale	2.433	2.443	2.443	2.437
Cota cuzinet	92.470	92.394	92.320	92.271

- Nota:
- Acoperirea cu beton a armaturilor din radier va fi de 5,0cm, aceasta fiind masurata de la fata betonului pana la prima armatura intalnita;
 - Construcorul are obligatia de a verifica proiectul inainte de a proceda la executie si de a comunica proiectantului orice nepotrivire, eroare sau nedaritate pentru a face corectiile sau clarificarile necesare;

INVESTITOR

COMPANIA NATIONALA DE ADMINISTRARE
A INFRASTRUCTURII RUTIERE S.A.

PROIECTANT GENERAL

THE WAY TO DATA BEYOND THE LIMITS

D.P. CONSULT S.A.

DENUMIRE PROIECT
PROIECTARE SI EXECUTIE
"VARIANTA DE OCOLIRE
TIMISOARA SUD"
ELABORARE PROIECT TEHNIC
REST DE EXECUTAT

FAZA PROIECT
PROIECT TEHNIC
REST DE EXECUTAT

Manager de Proiect
ing. Silvan Moldovan

Sef Echipa Proiectare
ing. Raul Cocis

Inginer Proiectant Poduri
ing. Attila Takacs

Inginer Proiectant
ing. Teodor Sabadis

REVIZII		
NR. REV.	DATA	SEM.N.

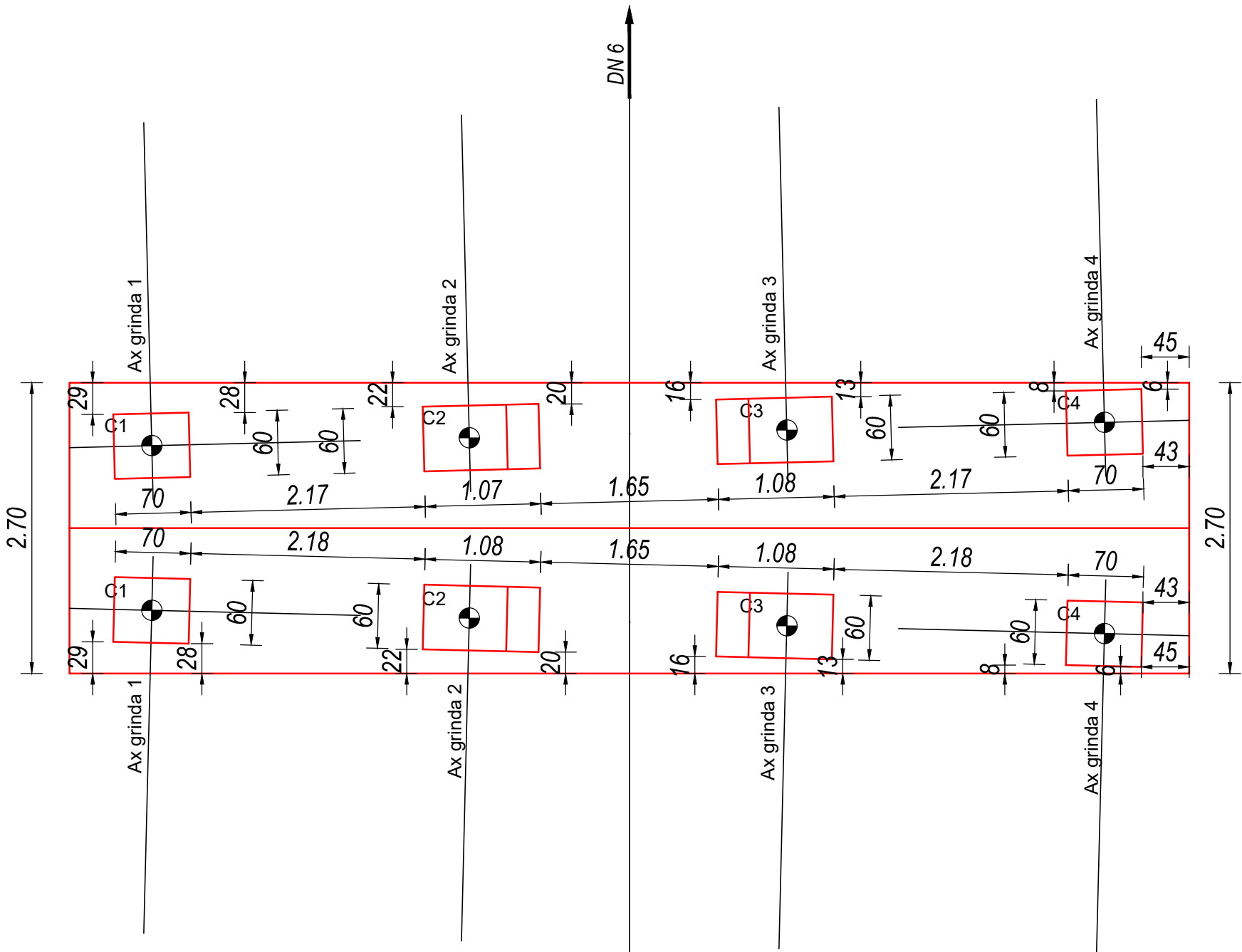
DENUMIRE PLANSA
PASAJ KM1+528 PESTE CF 132
TIMISOARA VEST-CRUCENI

PLAN COFRAJ CUZINETI CULEE
C1

Scara : 1:50

NUMAR PLANSA
10036-VOTM-STR02-CI-08

VEDERE IN PLAN PILA P1, P6, P7
Sc. 1:50



CERINTE DE CALITATE
ELEVATII

Beton: C30/37
Otel: BST500C
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 Kg/m³

LEGENDA:

REALIZAT- [Gray Box]
NEREALIZAT- [Pink Box]

- Nota:
- Acoperirea cu beton a armaturilor din radier va fi de 5,0cm, aceasta fiind masurata de la fata betonului pana la prima armatura intalnita;
- Constructorul are obligatia de a verifica proiectul inainte de a proceda la executie si de a comunica proiectantului orice nepotrivire, eroare sau nedaritate pentru a face corectiile sau clarificarile necesare;



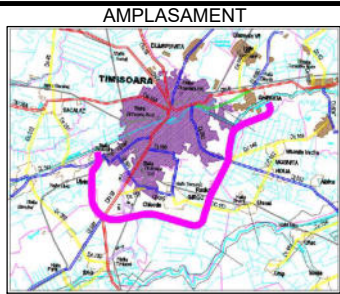
INVESTITOR

COMPANIA NATIONALA DE ADMINISTRARE
A INFRASTRUCTURII RUTIERE S.A.

PROIECTANT GENERAL

THE WAY TO DARE BEYOND THE LIMITS

CONSULT
D P CONSULT S.A.



DENUMIRE PROIECT
PROIECTARE SI EXECUTIE
"VARIANTA DE OCULIRE
TIMISOARA SUD"
ELABORARE PROIECT TEHNIC
REST DE EXECUTAT

NUMAR CONTRACT: 550/36/09.02.2023

NUMAR PROIECT : 556

FAZA PROIECT
PROIECT TEHNIC
REST DE EXECUTAT

Data : 03.2023

VERIFICATOR TEHNIC

Manager de Proiect

ing. Silvan Moldovan

Sef Echipa Proiectare

ing. Raul Cocis

Inginer Proiectant Poduri

ing. Attila Takacs

Inginer Proiectant

ing. Teodor Sabadis

REVIZII

NR. REV.

DATA

SEMN.

DENUMIRE PLANSA

PASAJ KM1+528 PESTE CF 132
TIMISOARA VEST-CRUCENI

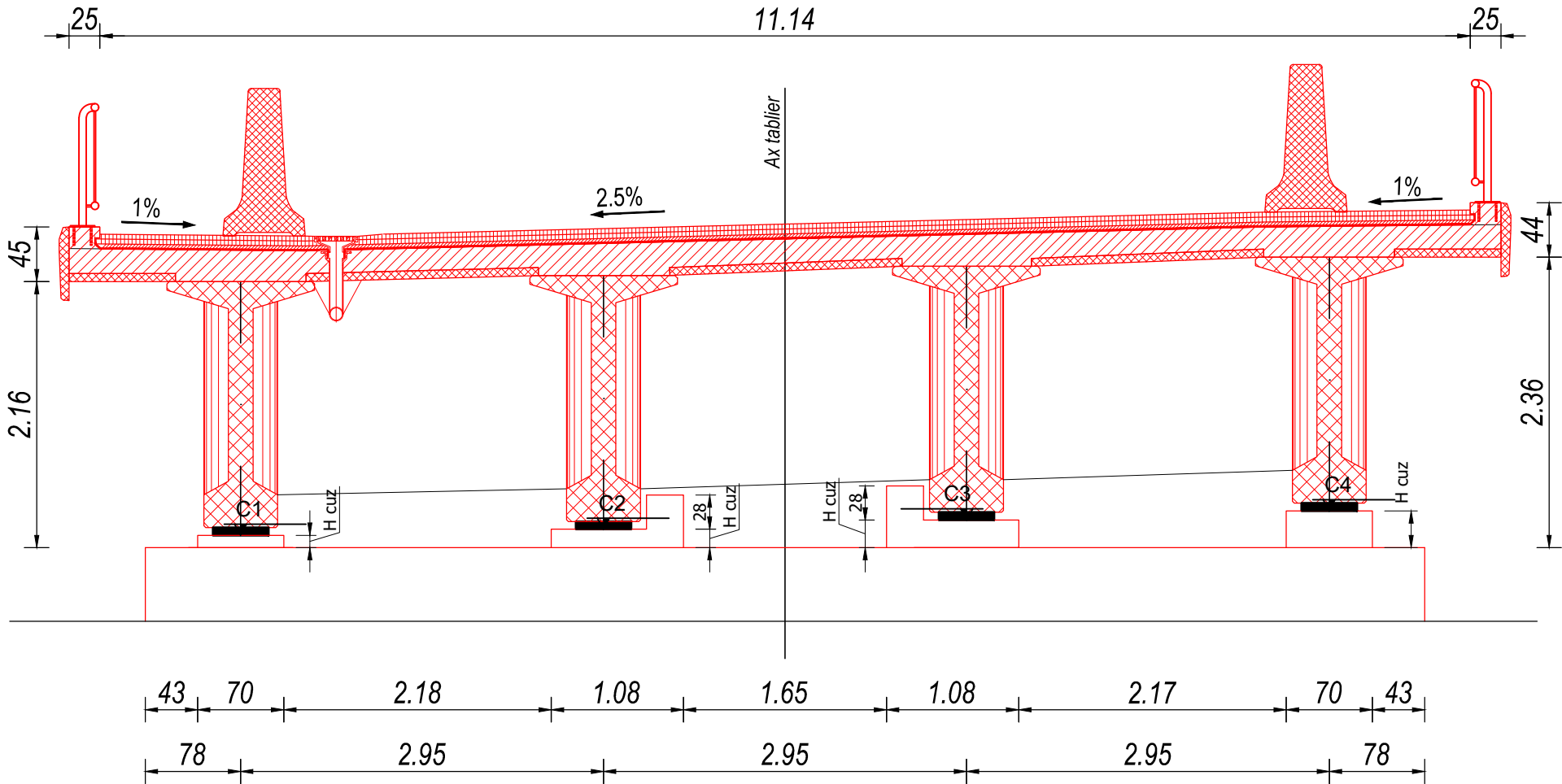
PLAN COFRAJ CUZINETI PILA
P1, P6 SI P7

Scara : 1:50

NUMAR PLANSA

10036-VOTM-STR02-Ci-09

VEDERE DIN FATA PLIA P1, P6, P7
Sc. 1:50

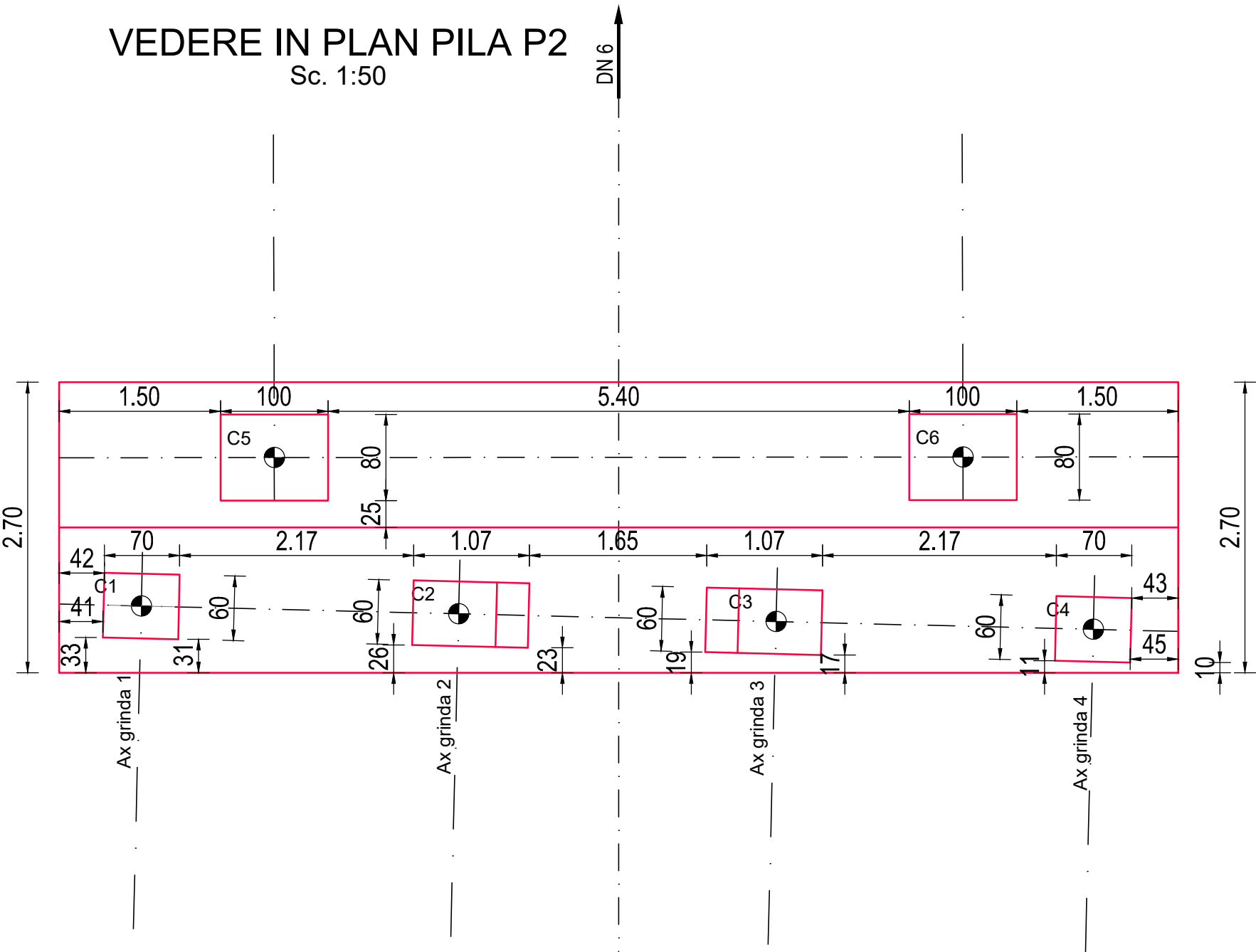


Cote cuzineti Pila P1				
	C1	C2	C3	C4
Cota cale pe culee	95.628	95.683	95.757	95.823
H-Ar+Gr+Sbet+Cale	2.415	2.421	2.421	2.411
Cota cuzinet	93.213	93.262	93.336	93.412

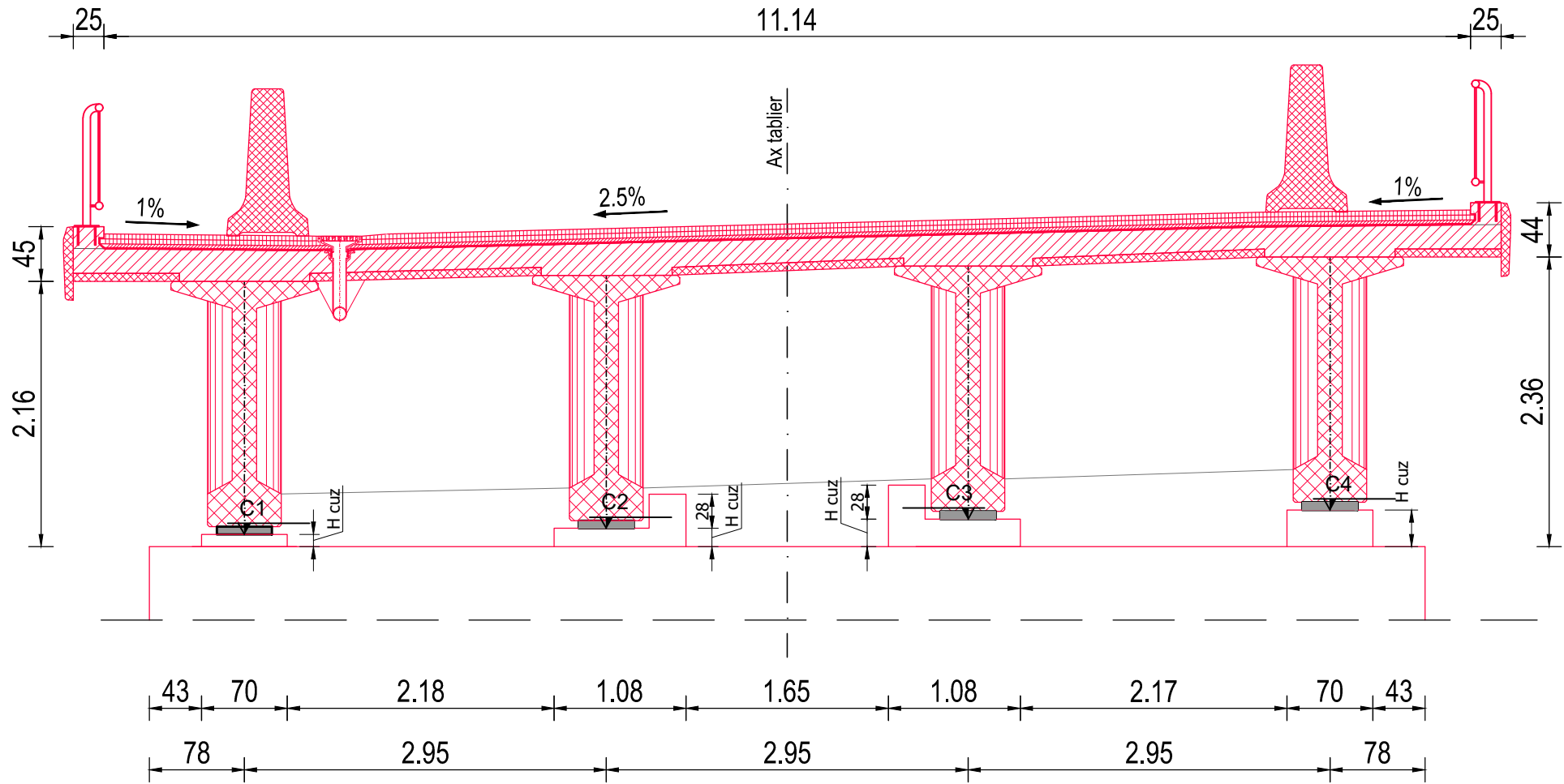
Cote cuzineti Pila P6				
	C1	C2	C3	C4
Cota cale pe culee	95.678	95.733	95.807	95.873
H-Ar+Gr+Sbet+Cale	2.437	2.443	2.443	2.433
Cota cuzinet	93.241	93.290	93.364	93.440

Cote cuzineti Pila P7				
	C1	C2	C3	C4
Cota cale pe culee	94.708	94.763	94.837	94.903
H-Ar+Gr+Sbet+Cale	2.415	2.421	2.421	2.411
Cota cuzinet	92.293	92.342	92.416	92.492

VEDERE IN PLAN PILA P2
Sc. 1:50



VEDERE DIN FATA PLIA P2
Sc. 1:50



CERINTE DE CALITATE
ELEVATII
Beton: C30/37
Otel: BST500C
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 Kg/m³

LEGENDA:

REALIZAT-
NEREALIZAT-

- Nota:
- Acoperirea cu beton a armaturilor din radier va fi de 5.0cm, aceasta fiind masurata de la fata betonului pana la prima armatura intalnita;
- Constructorul are obligatia de a verifica proiectul inainte de a proceda la executie si de a comunica proiectantului orice nepotrivire, eroare sau neclaritate pentru a face corectiile sau clarificarile necesare;

Cote cuzineti Pila P2						
	C1	C2	C3	C4	C5	C6
Cota cale pe culee	96.328	96.383	96.457	96.523	96.340	96.500
H-Ar+Gr+Sbet+Cale	2.437	2.443	2.443	2.433	2.685	2.685
Cota cuzinet	93.891	93.940	94.014	94.090	93.655	93.815

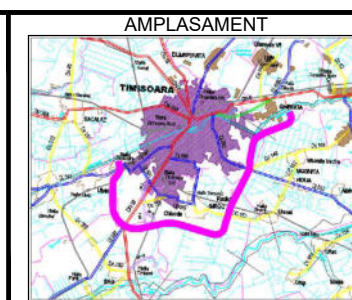
INVESTITOR	PROIECTANT GENERAL	AMPLASAMENT	DENUMIRE PROIECT PROIECTARE SI EXECUTIE "VARIANTA DE OCOLIRE TIMISOARA SUD" ELABORARE PROIECT TEHNIC REST DE EXECUTAT	FAZA PROIECT PROIECT TEHNIC REST DE EXECUTAT	Manager de Proiect ing. Silvan Moldovan Sef Echipa Proiectare ing. Raul Cocis Inginer Proiectant Poduri ing. Attila Takacs Inginer Proiectant ing. Teodor Sabadis	REVIZII			DENUMIRE PLANSA PASAJ KM1+528 PESTE CF 132 TIMISOARA VEST-CRUCENI PLAN COFRAJ CUZINETI PILA P2 Scara : 1:50 NUMAR PLANSA 10036-VOTM-STR02-CI-10
						NR. REV.	DATA	SEMN.	
COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE S.A.	D. P. CONSULT S.A.		NUMAR CONTRACT: 550/36/09.02.2023 NUMAR PROIECT : 556	Data : 03.2023 VERIFICATOR TEHNIC					

Sc. 1:50



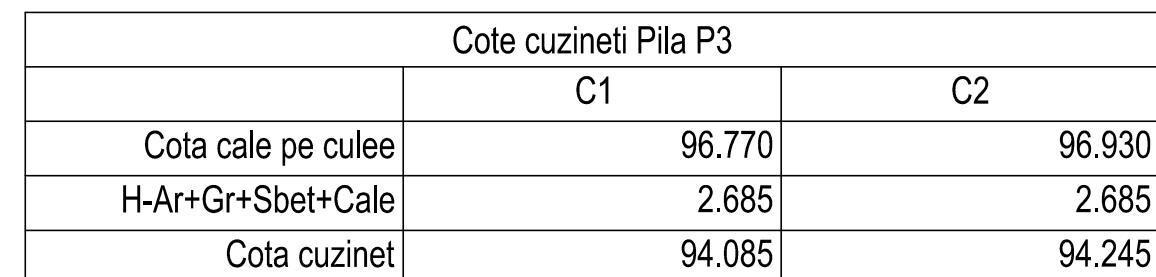
<p align="center">CERINTE DE CALITATE ELEVATII</p> <p>Beton: C30/37 Otel: BST500C Clasa de expunere: XC4, XD1, XF2. Valoare max. A/C: 0.50 Dozaj min. ciment: 300 Kg/m³</p>

NEREALIZAT-



NUMAR PROIECT : 556

Sc. 1:50



Cote cuzineti Pila P4		
	C1	C2
Cota cale pe culee	96.790	96.950
H-Ar+Gr+Sbet+Cale	2.685	2.685
Cota cuzinet	94.105	94.265

- Nota:
- Acoperirea cu beton a armaturilor din radier va fi de 5,0cm, aceasta fiind masurata de la fata betonului pana la prima armatura intalnita;
- Constructorul are obligatia de a verifica proiectul inainte de a proceda la executie si de a comunica proiectantului orice nepotrivire, eroare sau neclaritate pentru a face corectiile sau clarificarile necesare;



COMPANIA NATIONALA DE ADMINISTRARE
A INFRASTRUCTURII RUTIERE S.A.

THE WAY TO DARE BEYOND THE LIMITS
CONSULT
D.P. CONSULT S.A.

NUMAR PROIECT : 556

PROIECT TEHNIC
REST DE EXECUTAT

Data : 03.2023

VERIFICATOR TEHNIC

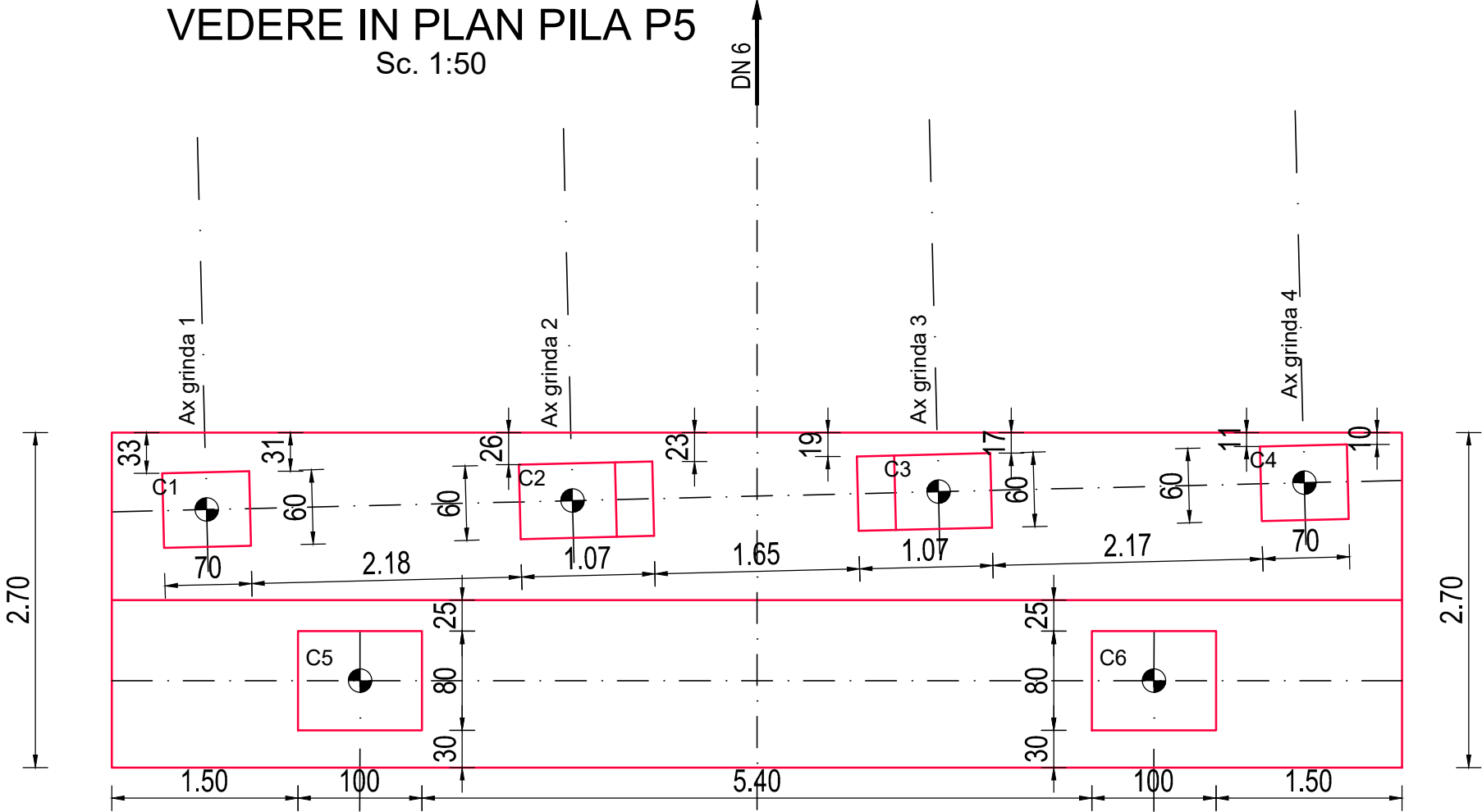
Inginer Proiectant

Scara : 1:50

NUMAR PLANSA

10036-VOTM-STR02-Ci-11

VEDERE IN PLAN PILA P5
Sc. 1:50



CERINTE DE CALITATE
ELEVATII
Beton: C30/37
Otel: BST500C
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 Kg/m³

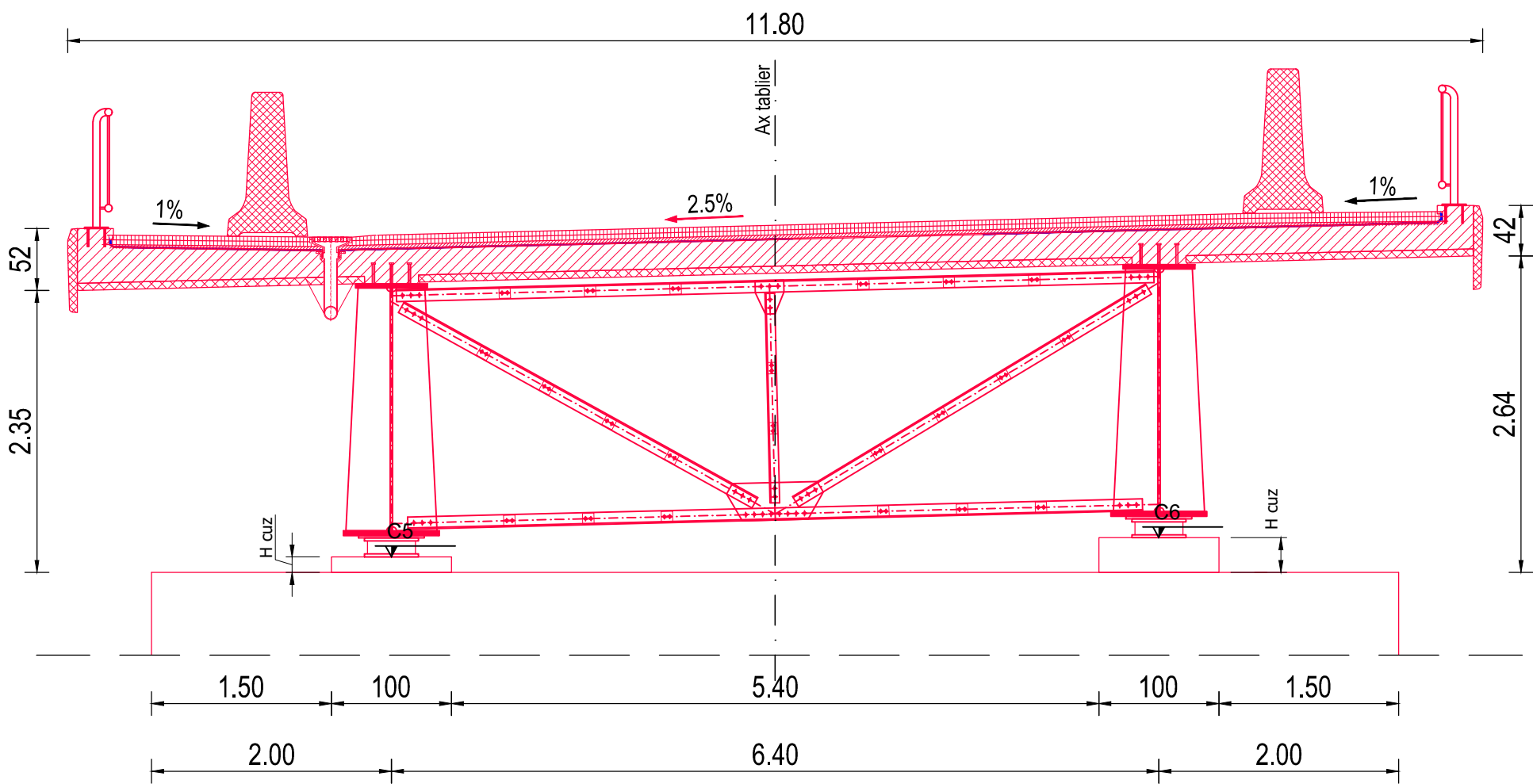
LEGENDA:
REALIZAT-
NEREALIZAT-

- Nota:
- Acoperirea cu beton a armaturilor din radier va fi de 5,0cm, aceasta fiind masurata de la fata betonului pana la prima armatura intalnita;
- Construcorul are obligatia de a verifica proiectul inainte de a proceda la executie si de a comunica proiectantului orice nepotrivire, eroare sau neclaritate pentru a face corectiile sau clarificarile necesare;



Cote cuzineti Pila P5						
	C1	C2	C3	C4	C5	C6
Cota cale pe culee	96.358	96.413	96.487	96.553	96.370	96.530
H-Ar+Gr+Sbet+Cale	2.437	2.443	2.443	2.433	2.685	2.685
Cota cuzinet	93.921	93.970	94.044	94.120	93.685	93.845

VEDERE DIN FATA PLIA P5
Sc. 1:50



INVESTITOR
COMPANIA NATIONALA DE ADMINISTRARE
A INFRASTRUCTURII RUTIERE S.A.

PROIECTANT GENERAL

D.P. CONSULT S.A.

AMPLASAMENT

DENUMIRE PROIECT
PROIECTARE SI EXECUTIE
"VARIANTA DE OCOLIRE
TIMISOARA SUD"
ELABORARE PROIECT TEHNIC
REST DE EXECUTAT

NUMAR CONTRACT: 550/36/09.02.2023

NUMAR PROIECT : 556

FAZA PROIECT
PROIECT TEHNIC
REST DE EXECUTAT

Data : 03.2023

VERIFICATOR TEHNIC

Manager de Proiect
ing. Silvan Moldovan

Sef Echipa Proiectare
ing. Raul Cocis

Inginer Proiectant Poduri
ing. Attila Takacs

Inginer Proiectant
ing. Teodor Sabadis

REVIZII		
NR. REV.	DATA	SEM.N.

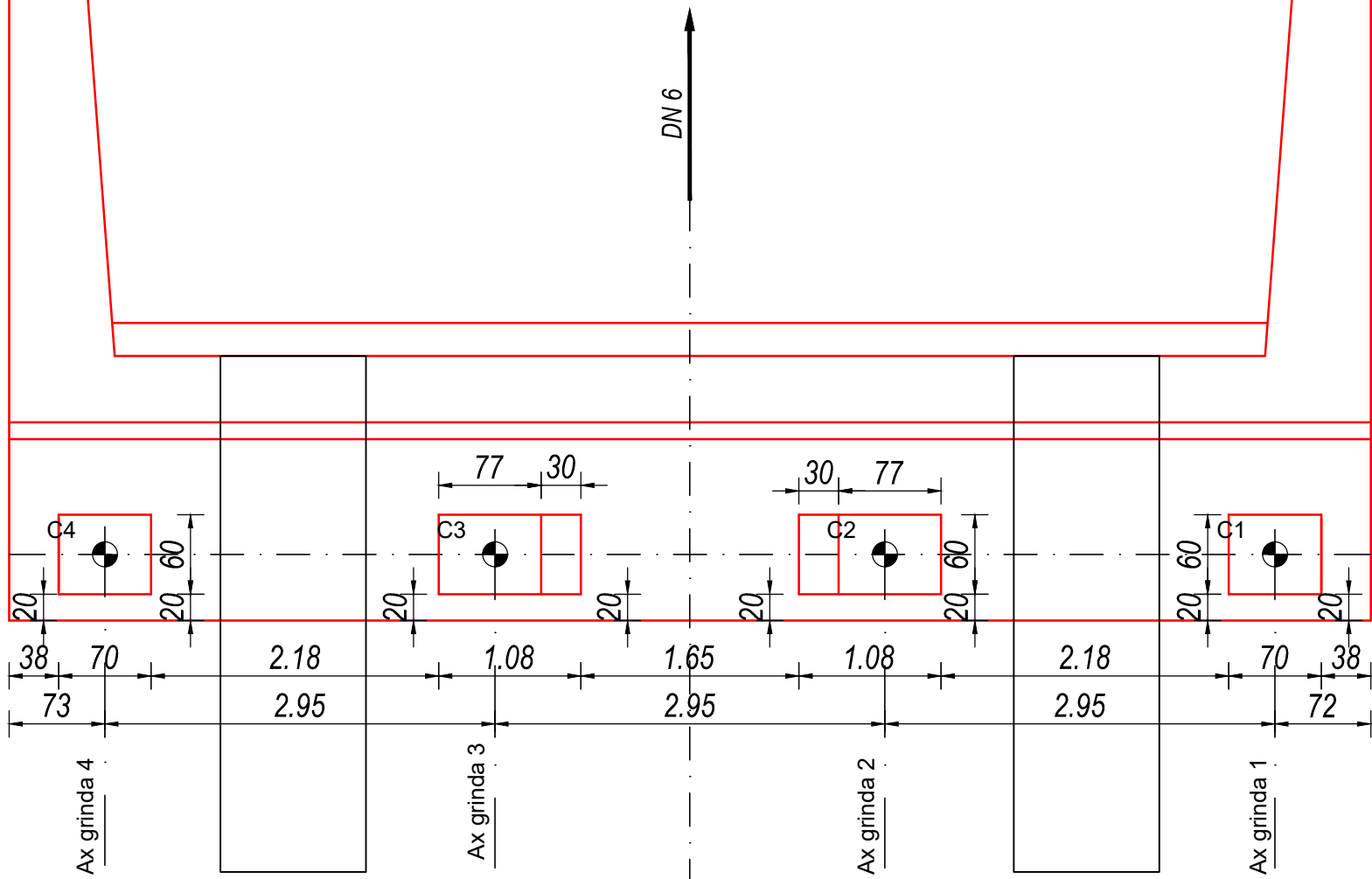
DENUMIRE PLANSA
PASAJ KM1+528 PESTE CF 132
TIMISOARA VEST-CRUCENI

PLAN COFRAJ CUZINETI PILA
P5

Scara : 1:50

NUMAR PLANSA
10036-VOTM-STR02-CI-12

VEDERE IN PLAN CULEE C2
Sc. 1:50



CERINTE DE CALITATE
ELEVATII

Beton: C30/37
Otel: BST500C
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 Kg/m³

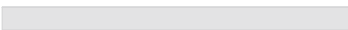
CANAL BEGA



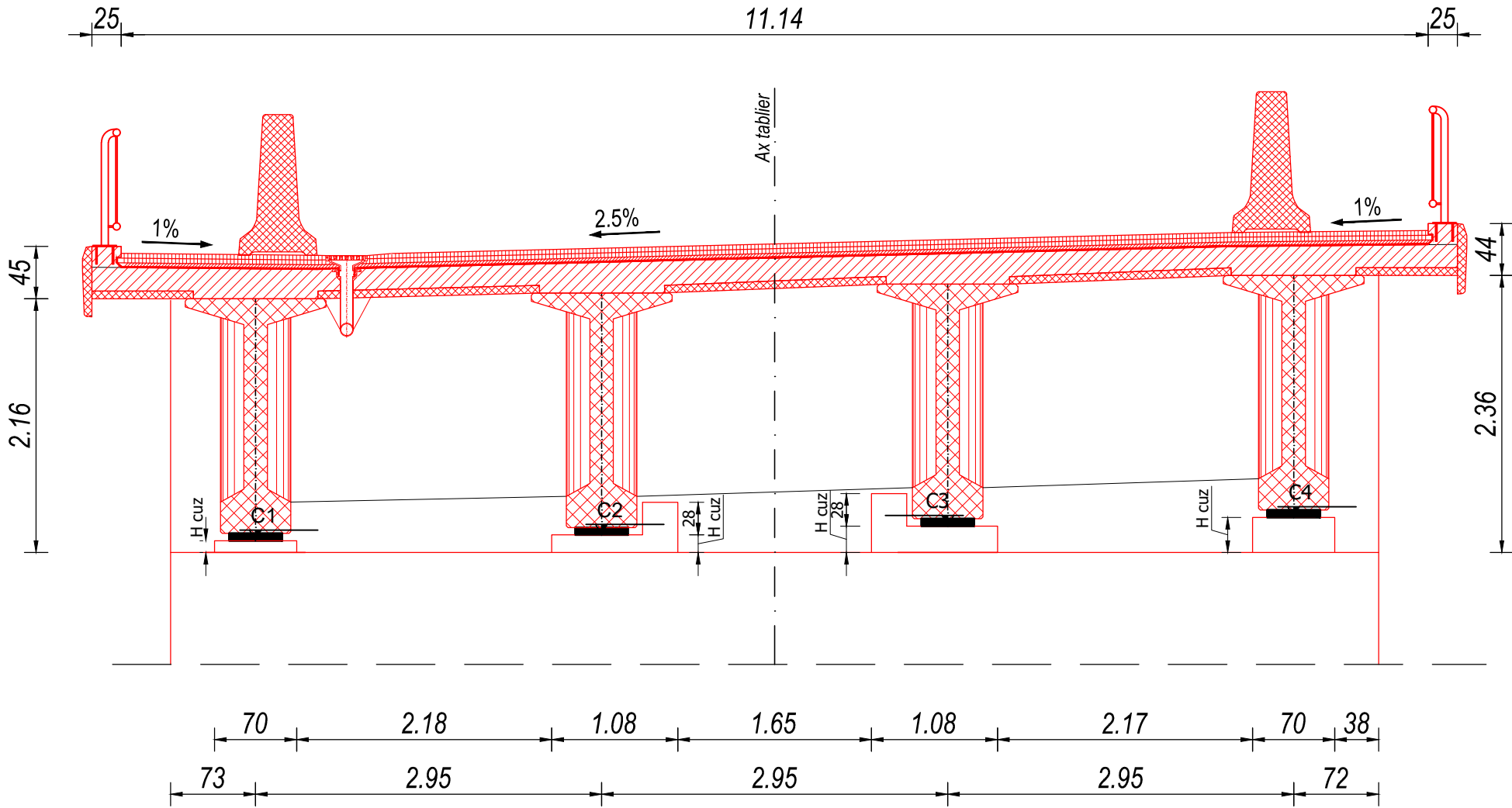
LEGENDA:

REALIZAT-

NEREALIZAT-



VEDERE DIN FATA CULEE C2
Sc. 1:50



Cote cuzineti Culee C2				
	C1	C2	C3	C4
Cota cale pe culee	93.527	93.583	93.657	93.723
H-Ar+Gr+Sbet+Cale	2.437	2.443	2.443	2.433
Cota cuzinet	91.090	91.140	91.214	91.290

- Nota:
- Acoperirea cu beton a armaturilor din radier va fi de 5,0cm, aceasta fiind masurata de la fata betonului pana la prima armatura intalnita;
- Construcorul are obligatia de a verifica proiectul inainte de a proceda la executie si de a comunica proiectantului orice nepotrivire, eroare sau nedaritate pentru a face corectiile sau clarificarile necesare;



COMPANIA NATIONALA DE ADMINISTRARE
A INFRASTRUCTURII RUTIERE S.A.

PROIECTANT GENERAL



AMPLASAMENT



DENUMIRE PROIECT
PROIECTARE SI EXECUTIE
"VARIANTA DE OCOLIRE
TIMISOARA SUD"
ELABORARE PROIECT TEHNIC
REST DE EXECUTAT

NUMAR CONTRACT: 550/36/09.02.2023

NUMAR PROIECT : 556

FAZA PROIECT

PROIECT TEHNIC

REST DE EXECUTAT

Data : 03.2023

VERIFICATOR TEHNIC

Manager de Proiect

ing. Silvan Moldovan

Sef Echipa Proiectare

ing. Raul Cocis

Inginer Proiectant Poduri

ing. Attila Takacs

ing. Teodor Sabadis

REVIZII

NR. REV.

DATA

SEM.N.

DENUMIRE PLANSA

PASAJ KM1+528 PESTE CF 132

TIMISOARA VEST-CRUCENI

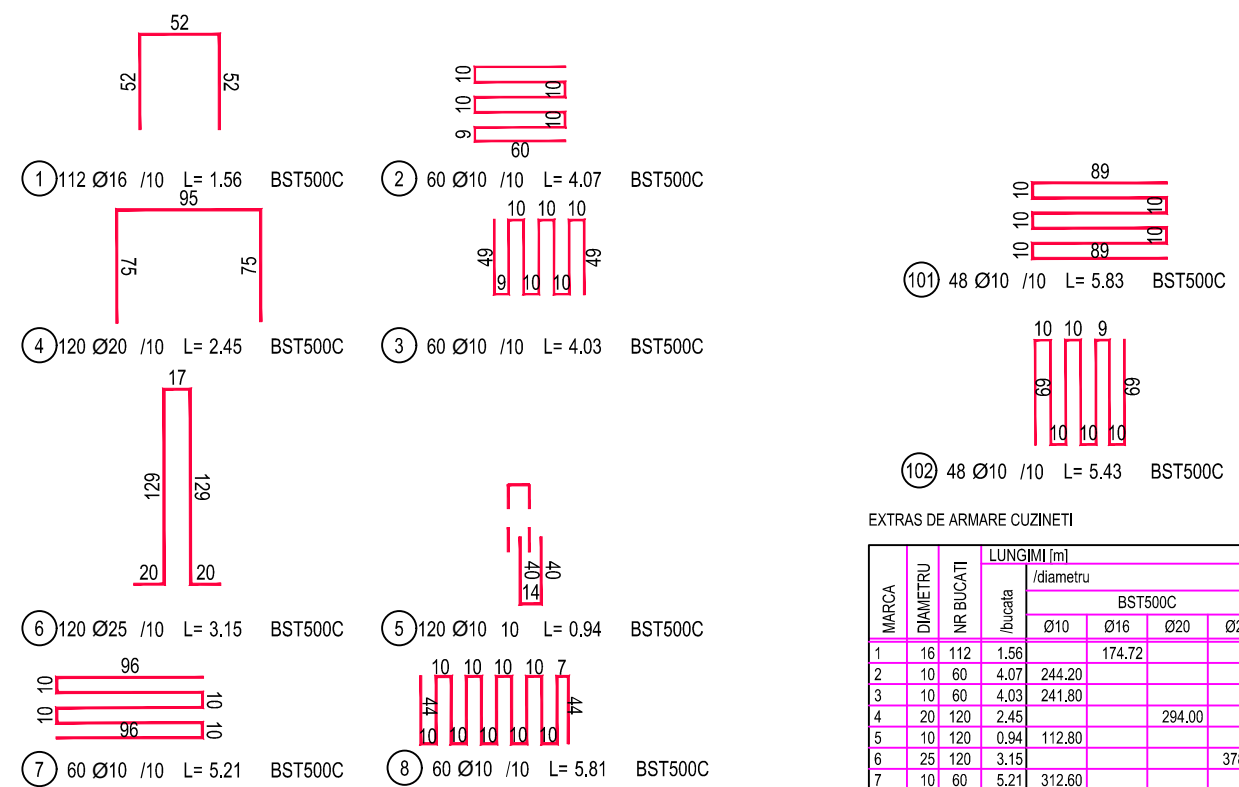
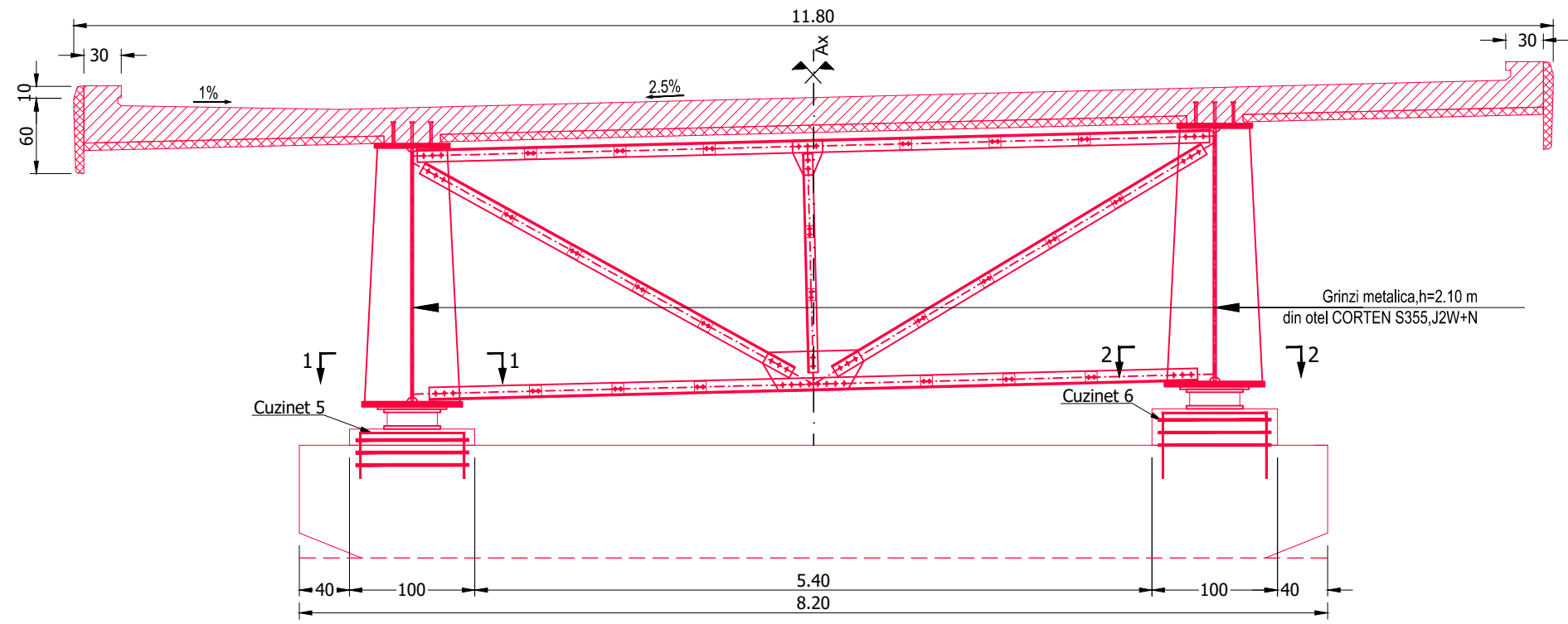
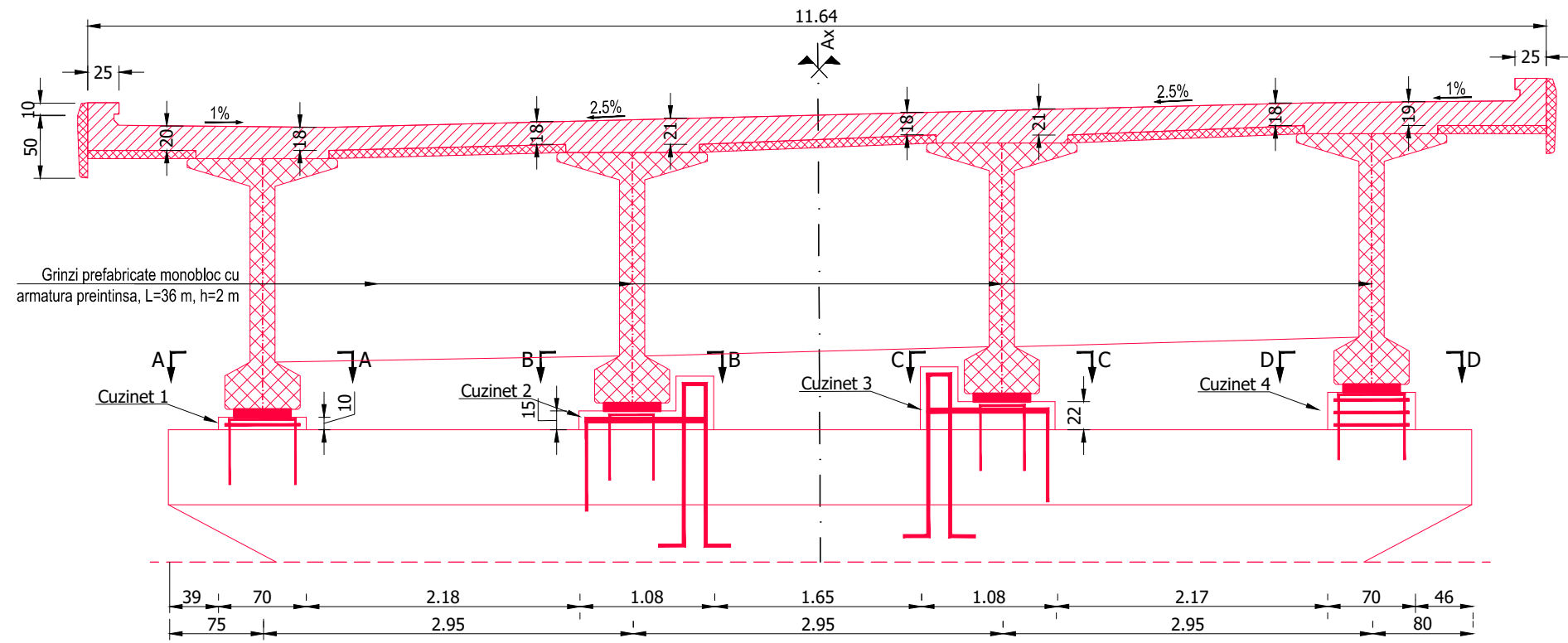
PLAN COFRAJ CUZINETI CULEE

C2

Scara : 1:50

NUMAR PLANSA

10036-VOTM-STR02-Ci-13



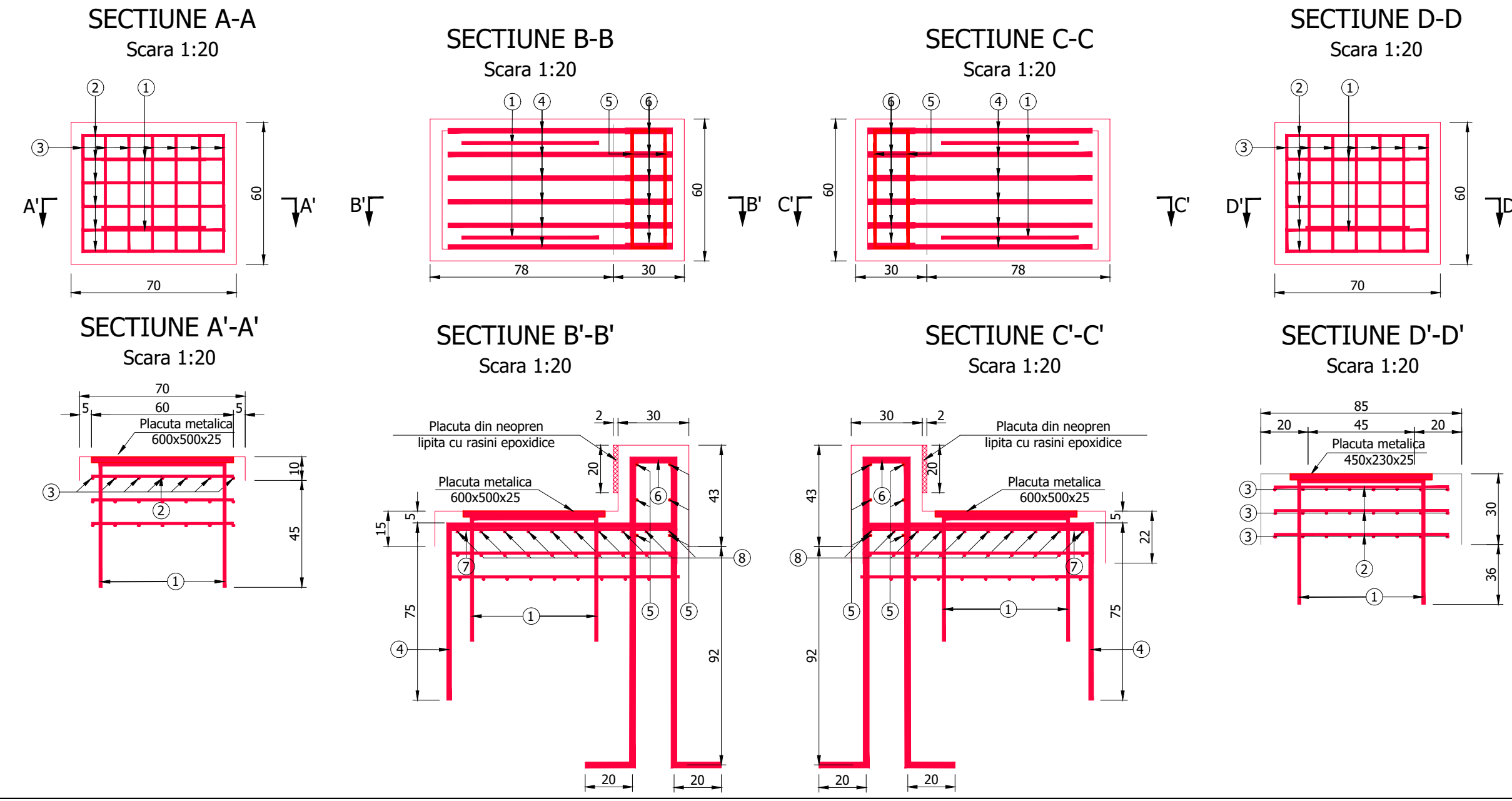
EXTRAS DE ARMARE CUZINETI							
MARCA	DIAMETRU	NR BUCATI	LUNGIMI [m]				
			Incalta	/diametru			
				BST500C			
				Ø10	Ø16	Ø20	Ø25
1	16	112	1.56		174.72		
2	10	60	4.07	244.20			
3	10	60	4.03	241.80			
4	20	120	2.45			294.00	
5	10	120	0.94	112.80			
6	25	120	3.15				378.00
7	10	60	5.21	312.60			
8	10	60	5.81	348.60			
101	10	48	5.83	279.84			
102	10	48	5.43	260.64			
LUNGIMI Totala[m]				1648.88	174.72	294.00	378.00
MASA [kg]	metru			0.617	1.580	2.469	3.858
	/diametru			1800.48	276.12	725.97	1458.43
	totala						4261.01

CERINTE DE CALITATE
ELEVATII
Beton: C30/37
Otel: BST500C
Clasa de expunere: XC4+XD1+XF2.
Valoare max. A/C: 0.50^a
Dozaj min. ciment: 320 Kg/m³

NOTA : Aceasta planşa se citeşte
împreună cu Plan armare rigla;

NOTA:
- Stratul minim de acoperire este 5cm;
- Toate dimensiunile barelor sunt date în ax;
- Constructorul are obligaţia de a verifica proiectul înainte de a
proceda la executie şi de a comunica proiectantului orice
nepotrivire, eroare sau neclaritate pentru a face corecţiile sau
clarificările necesare.

LEGENDA:
REALIZAT-
NEREALIZAT-



SECTIUNE 1-1
CUZINET 5
Scara 1:20

SECTIUNE 2-2
CUZINET 6
Scara 1:20

DETALII PLACUTA METALICA
600x 500 x25 mm

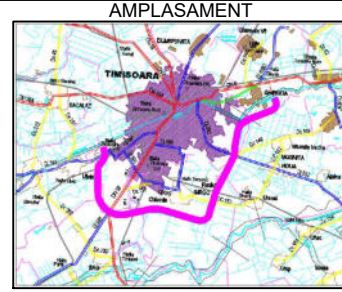
SECTIUNE G-G
Scara 1:20

SECTIUNE 1'-1'
CUZINET 5
Scara 1:20

SECTIUNE 2'-2'
CUZINET 6
Scara 1:20

SECTIUNE E-E
Scara 1:20

SECTIUNE F-F
Scara 1:20

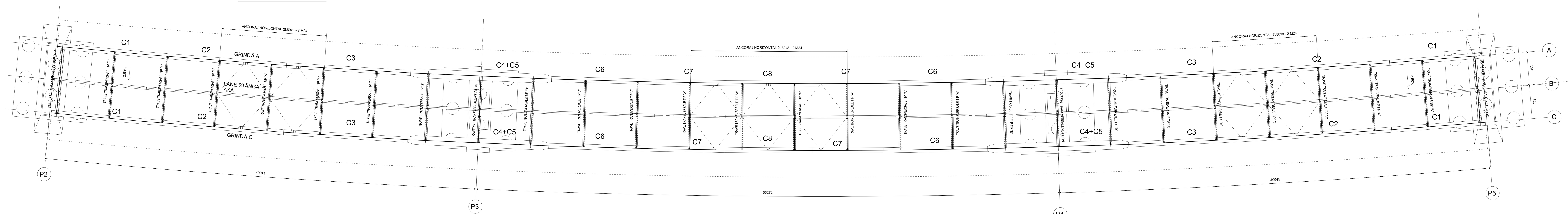


DENUMIRE PROIECT
PROIECTARE SI EXECUTIE
"VARIANTA DE OCOLIRE
TIMISOARA SUD"
ELABORARE PROIECT TEHNIC
REST DE EXECUTAT
NUMAR CONTRACT: 550/36/09.02.2023
NUMAR PROIECT : 556

FAZA PROIECT
PROIECT TEHNIC
REST DE EXECUTAT
Data : 03.2023
VERIFICATOR TEHNIC














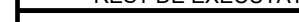





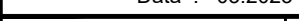





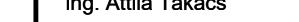










Manager de Proiect
ing. Silvan Moldovan
Sef Echipa Proiectare
ing. Raul Cocis
Inginer Proiectant Poduri
ing. Attila Takacs
Inginer Proiectant
ing. Teodor Sabadis

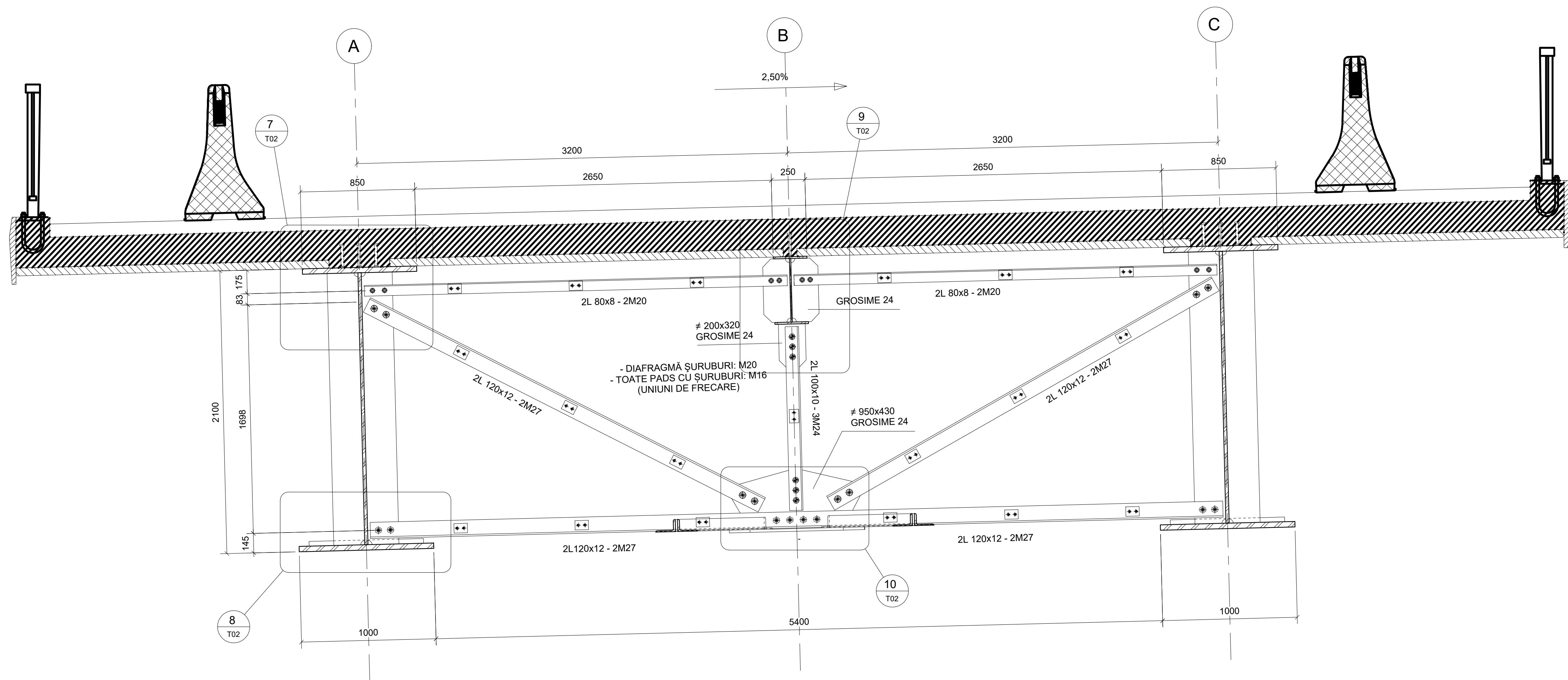
REVIZII			DENUMIRE PLANSA
NR. REV.	DATA	SEM.	
			VARIANTA OCOLITOARE STR02-pasaj KM 1+528 Peste CF 132 PLAN ARMARE CUZINETI Scara : 1:50 1:20 NUMAR PLANSA 10036-VOTM-STR02-AI-15



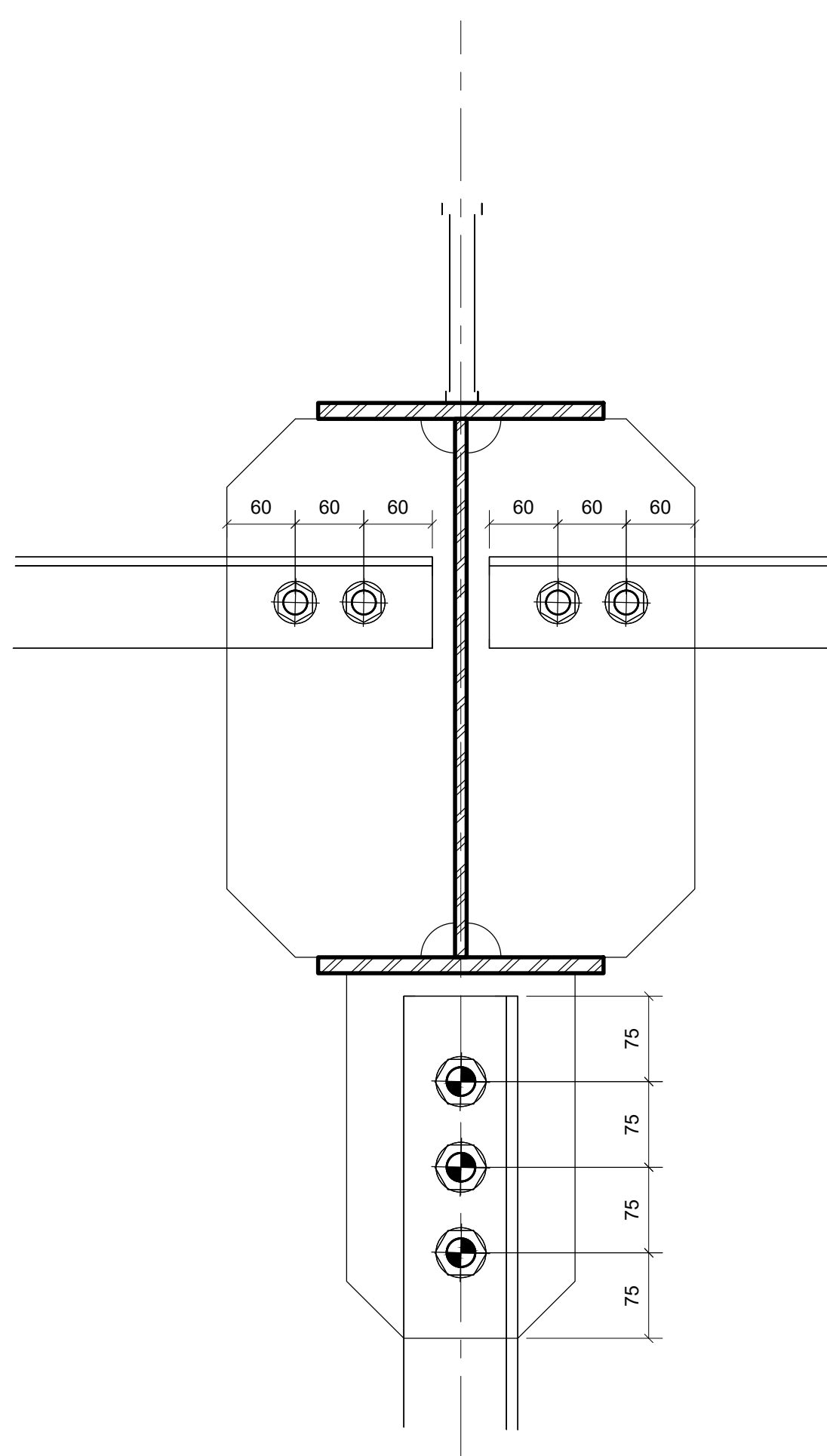
1 VEDE 1 : 100



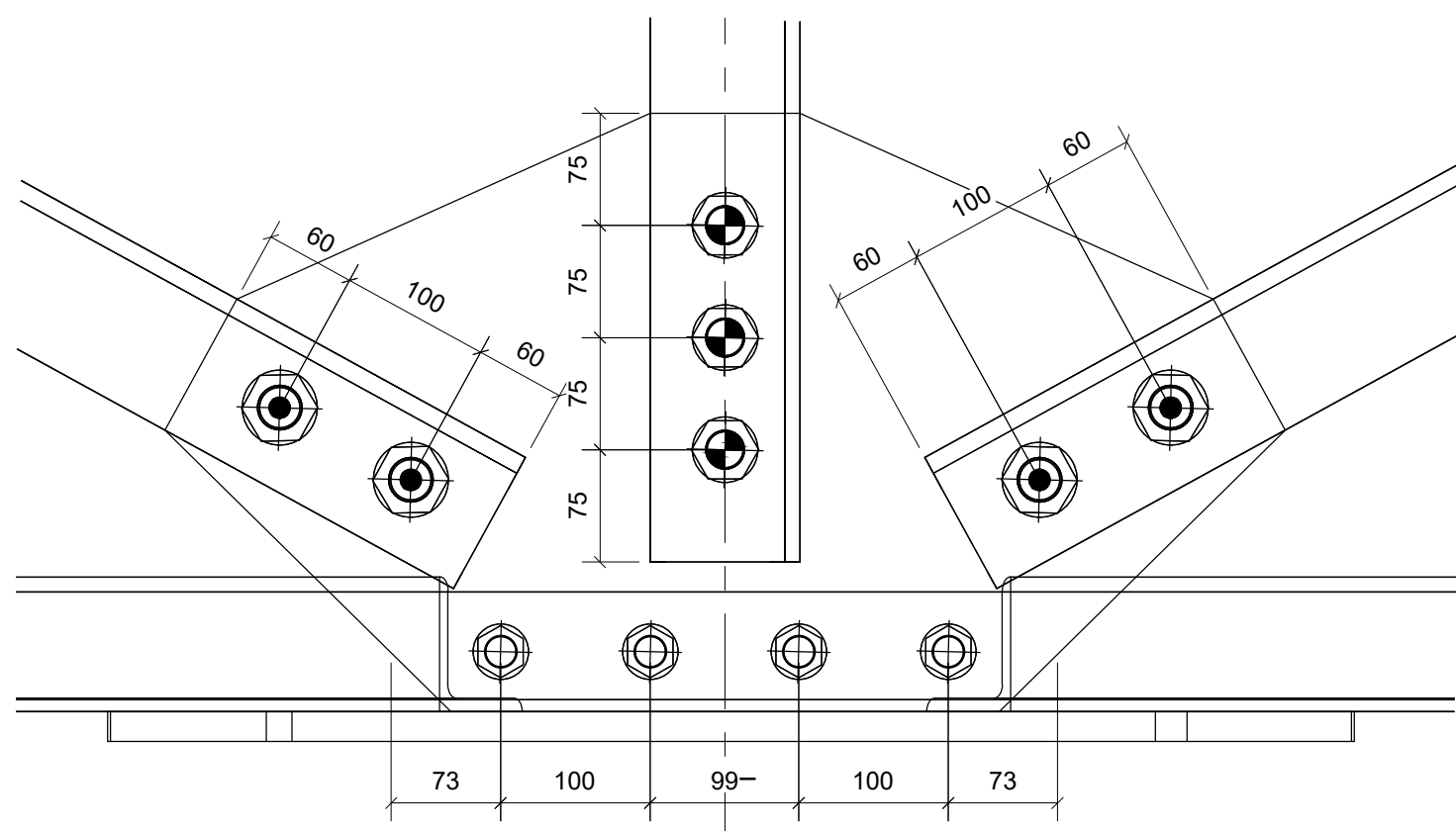
INVESTITOR		AMPLASAMENT		FAZA PROIECT		MANAGER DE PROIECT		REZULTAT		DESCRIEREA PROIECTULUI	
PROJECTANT GENERAL		PROIECTANT SI EXECUTANT		PROIECTIUNIC SI EXECUTANT		ING. SILVIU MOTILAN		ING. SILVIU MOTILAN		PACAJIAR SI REZISTE DE PISTE SI TRASEE	
											
CONTRATANT SI EXECUTANT IN PARTENERIAT ASOCIAT		D.P. CONSULT S.A.		D.P. CONSULT S.A.		D.P. CONSULT S.A.		D.P. CONSULT S.A.		D.P. CONSULT S.A.	
											
											
											
											
											
											



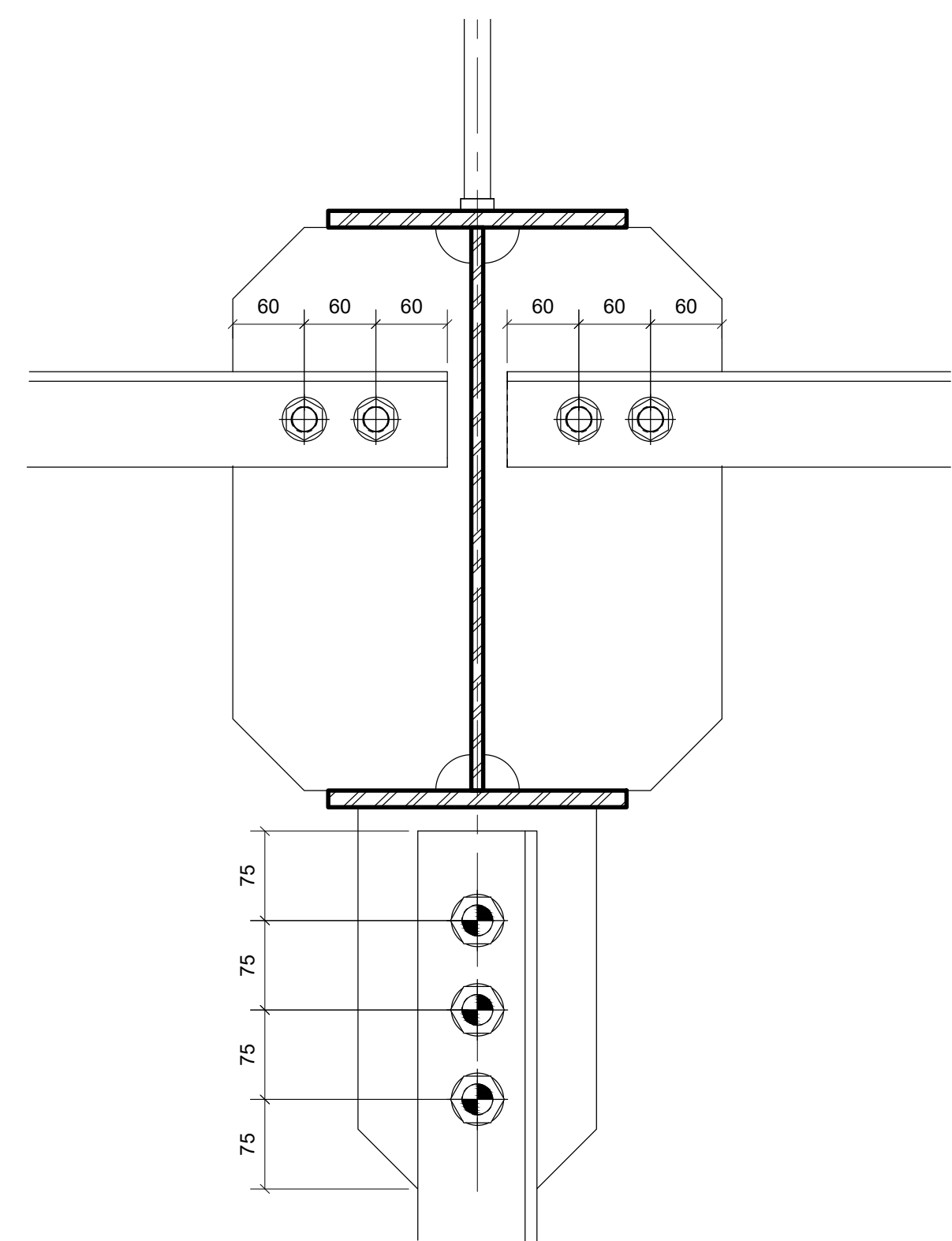
2 SECȚIUNE TRANSVERSALĂ APROAPE PILON TIP "B"
1 : 20



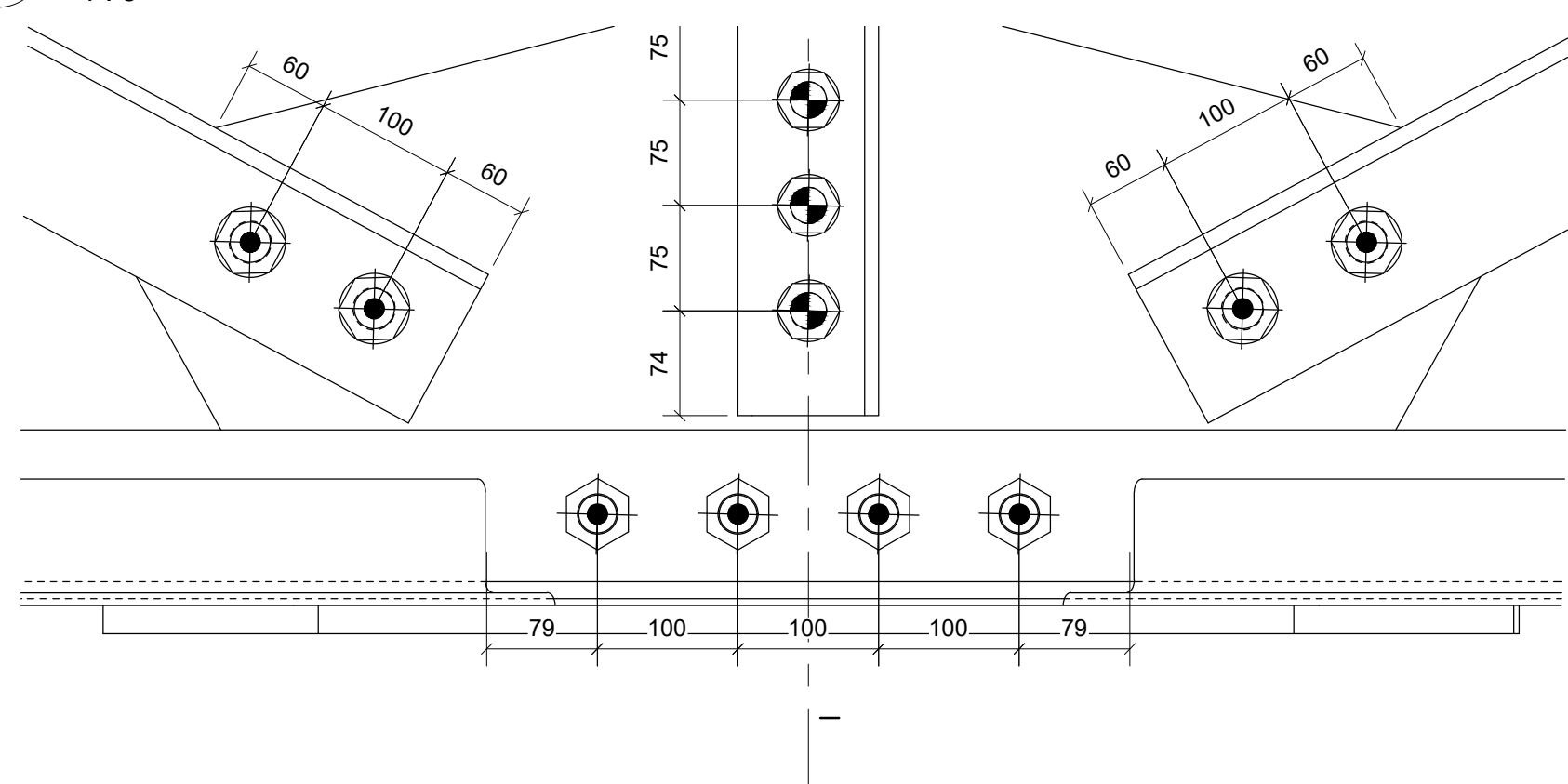
5 DETALIU "C"
1:5



DETALIU "D"

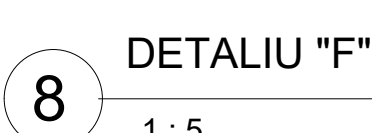
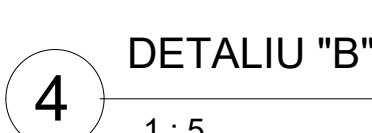
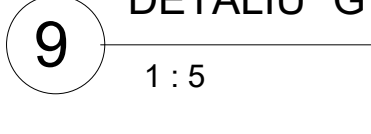
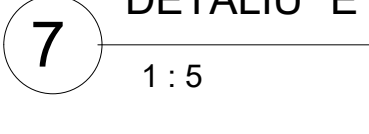
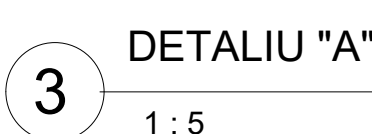
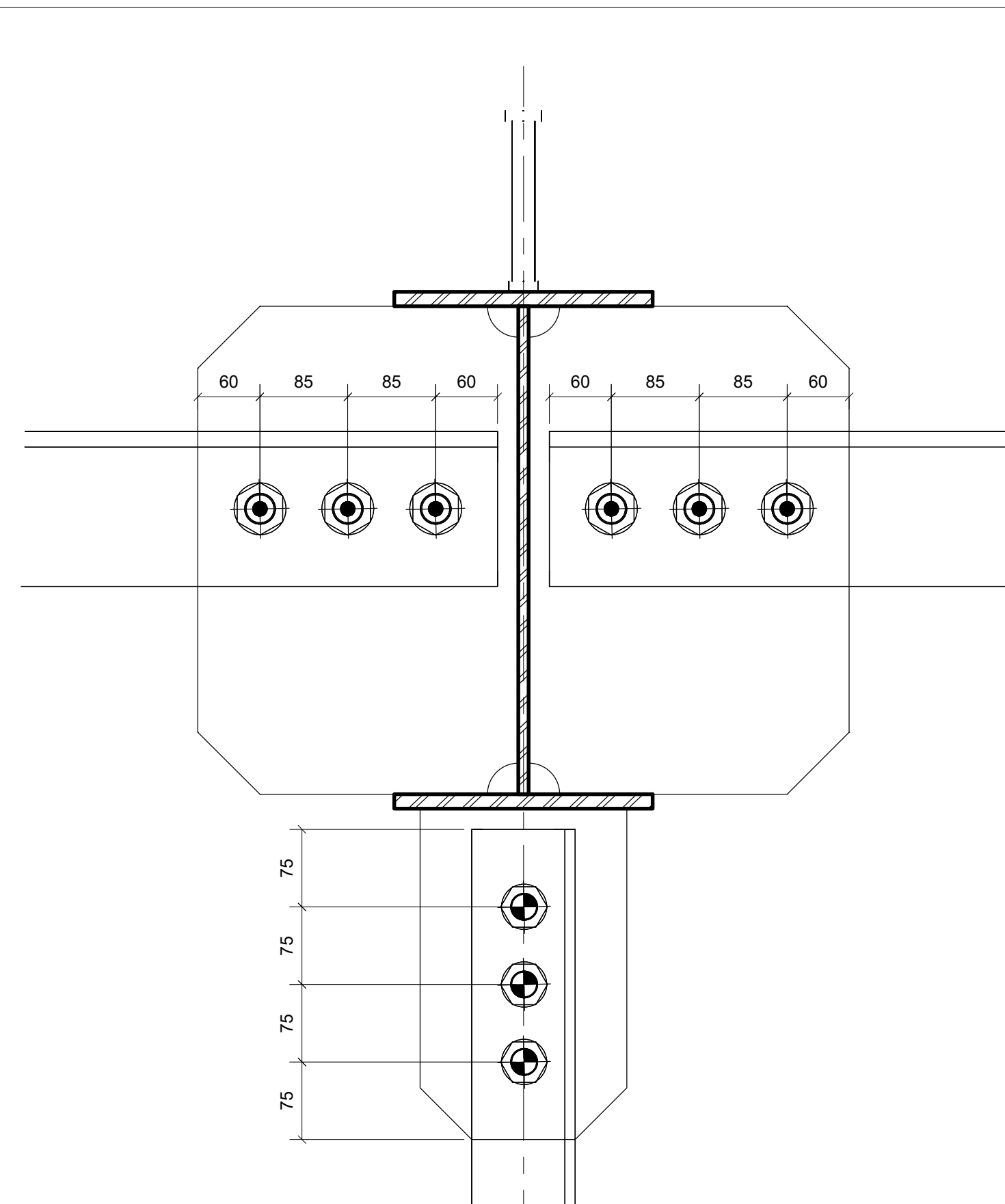
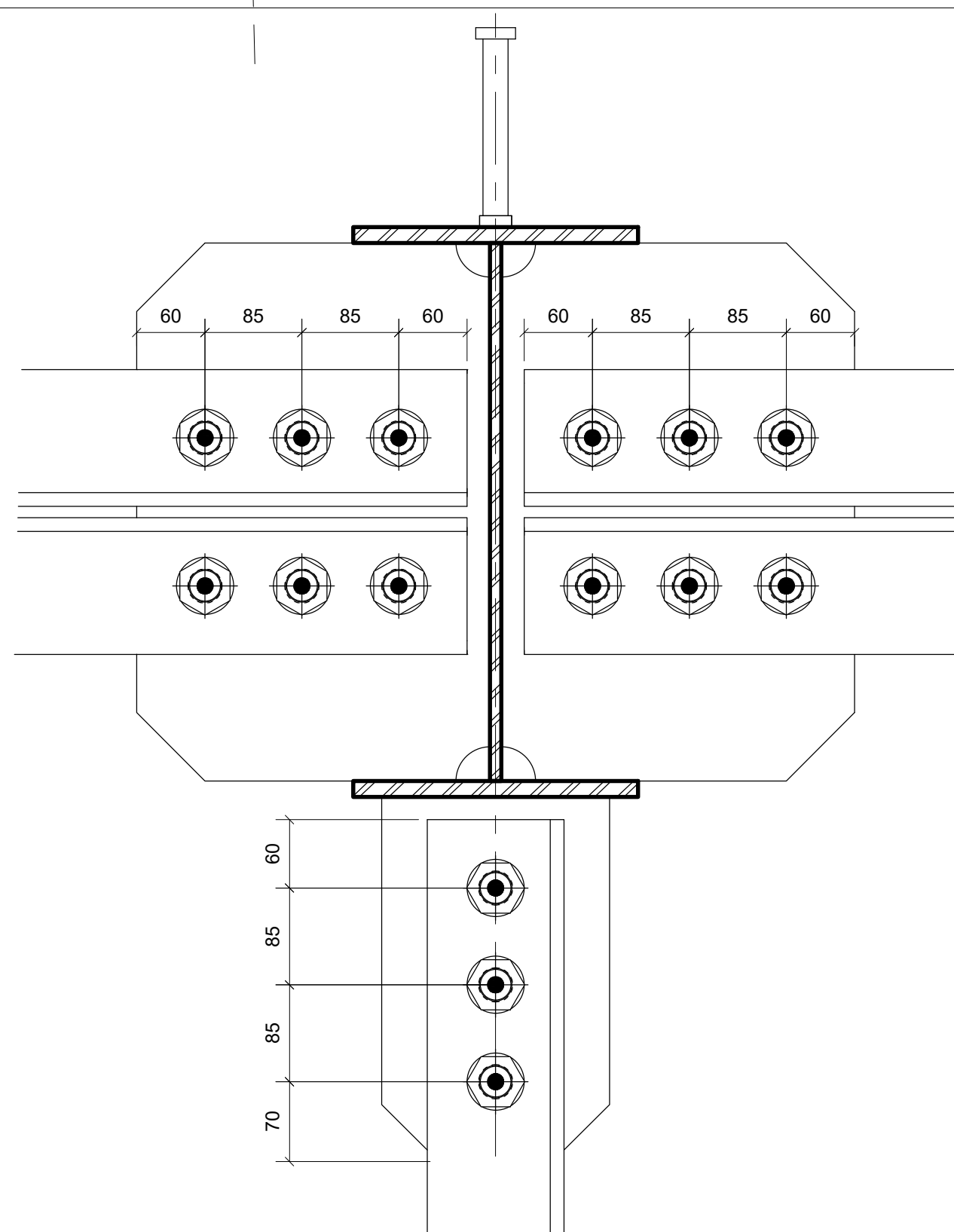


9 DETALIU "G"
1:5



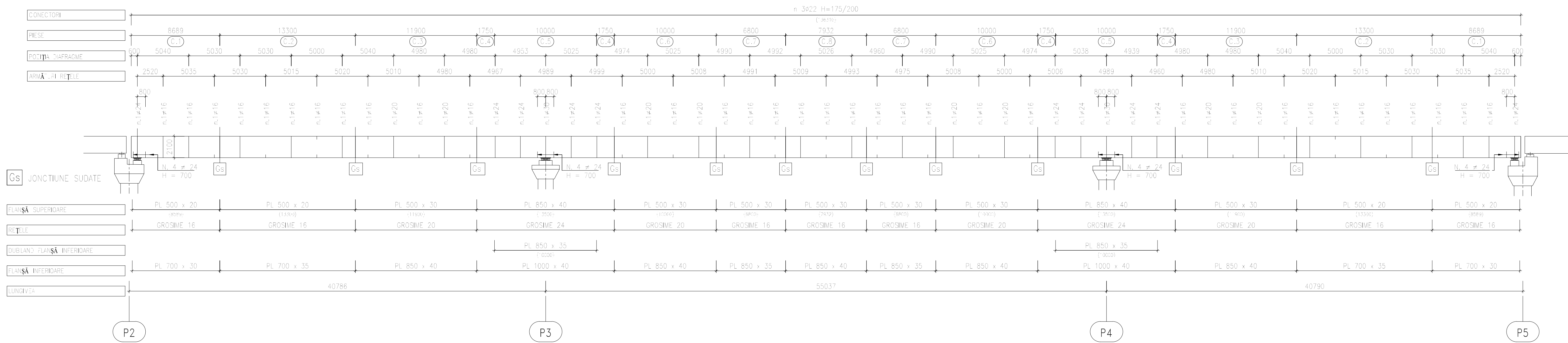
8 DETALIU "F"
1 : 5



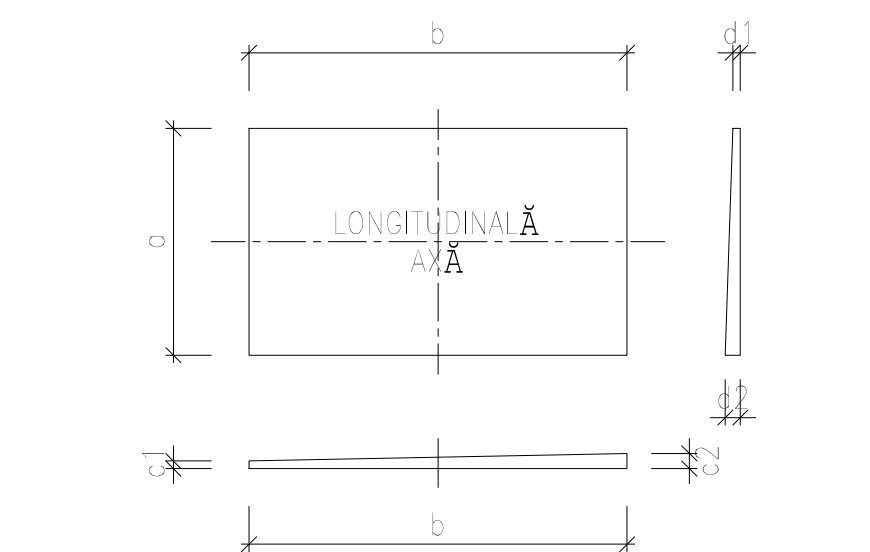
[illegible]

Pentru fiecare lot de oțel S355J2W+N care vor fi folosi la confecția elementele principale ale tabloului, se vor prezenta certificatele de calitate de la furnizori de oțel, unde vor rezulta parametrii chimici și mecanici conform oțelului Q52 EP.

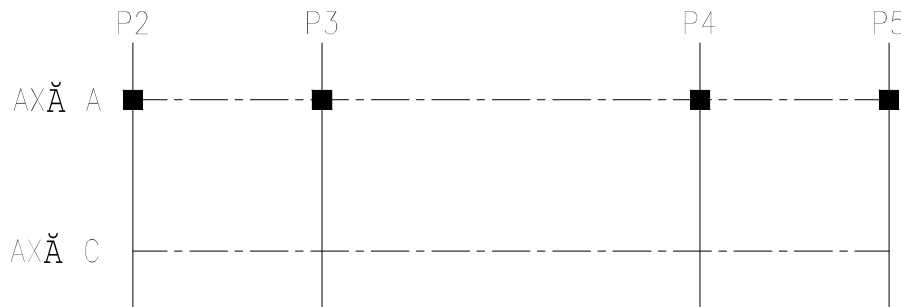
PROFIL LONGITUDINALĂ – GRINDĂ "A" – 1:200



LAGĂRELE PLACĂ – 1:20



POZIȚIA	PLACĂ	DIMENSIUNILE (mm)						portate
		a	b	c1	c2	d1	d2	
AVĂ A	P2	550	600	30	35	22	35	10x10
	P3	850	900	35	35	15	35	10x10
	P4	850	900	35	35	15	35	10x10
	P5	550	600	30	35	22	35	10x10



VATERIALE – RETETE

Structura din oțel EN 10025-5

Grosime elemente suduri ≤ 40 mm S355J2W+N (echivalent Q1.52 EP)

SUDURĂ în conformitate cu prevederile EN 1993-1-8

Grosime suduri ≤ 40 mm S355J2W+N (echivalent Q1.52 EP)

SURUBURI

Surub categoria 10.9 (EN 14398-4 HV-K1)

Șurub categoria B2 (EN 14398-4 HV-K1)

Salte din oțel (EN 14398-4 HV-K1)

Prețensiune: M16 Ns = 110 KN

Prețensiune: M24 Ns = 247 KN

Prețensiune: M27 Ns = 321 KN

CONECTORI

Conectori de tip "Nelson" ø 22 mm (7/8") h = 175 mm

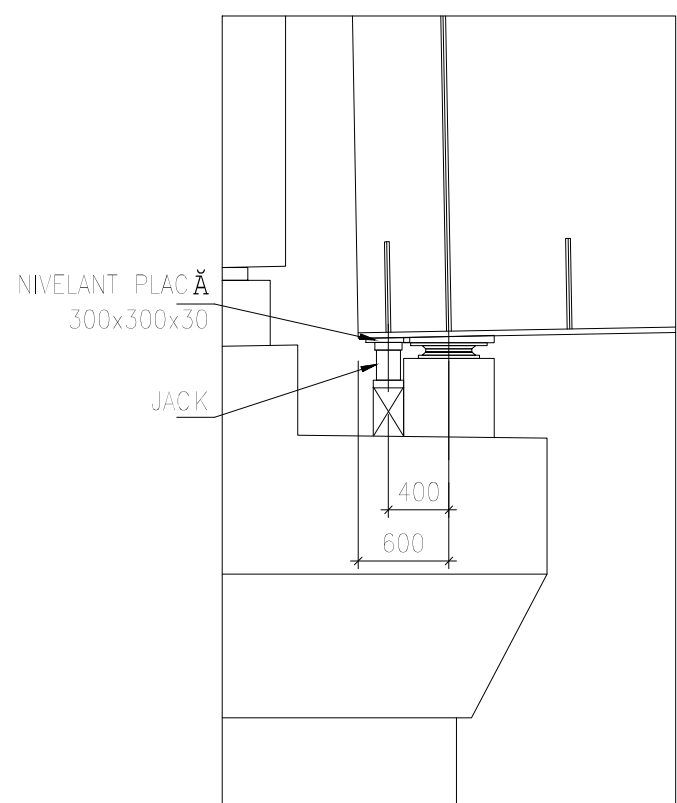
Oțel EN10025 EN10024 S235 J2 Q3 + C450

f_{yk} > 355 N/mm²

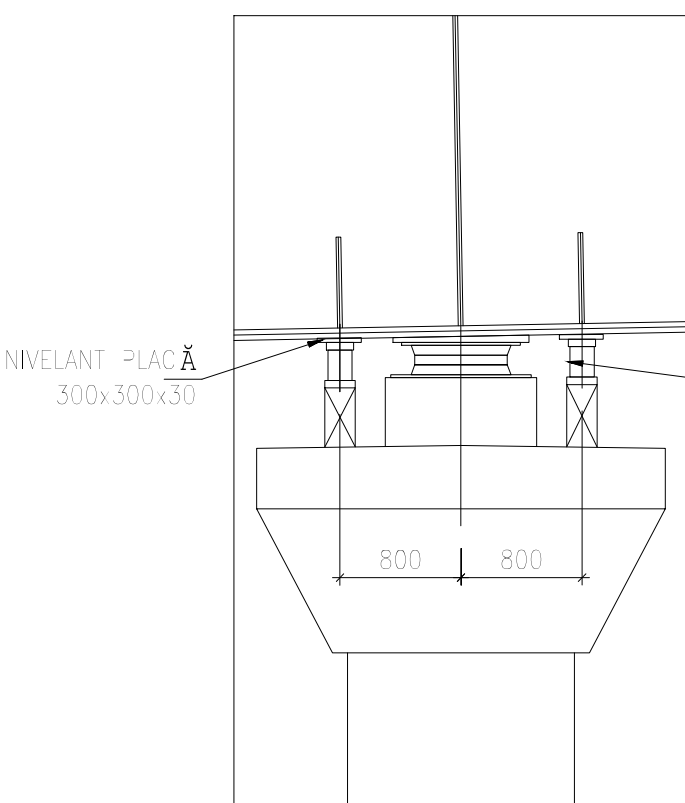
f_{yk} > 450 N/mm²

Elongatie > 15%

POZIȚIA DE JACKS
PILON P2/P5 (TIPOLOGIC) – 1:50



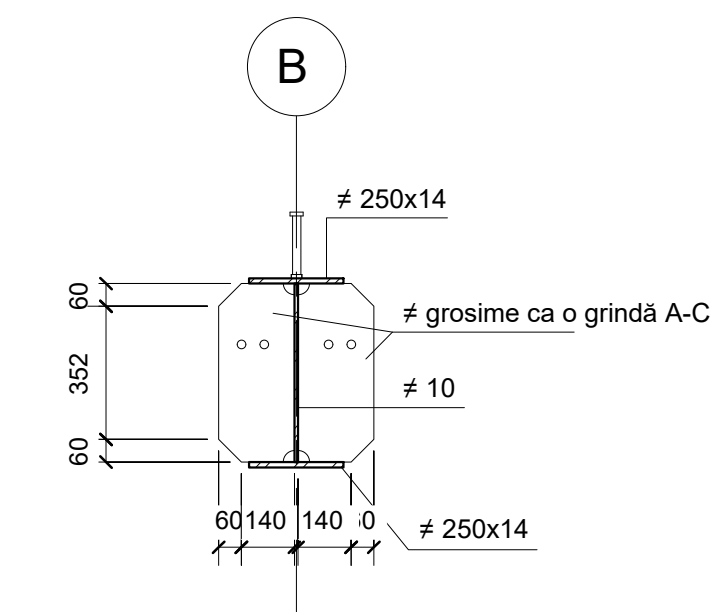
POZIȚIA DE JACKS
PILON P2/P3 (TIPOLOGIC) – 1:50



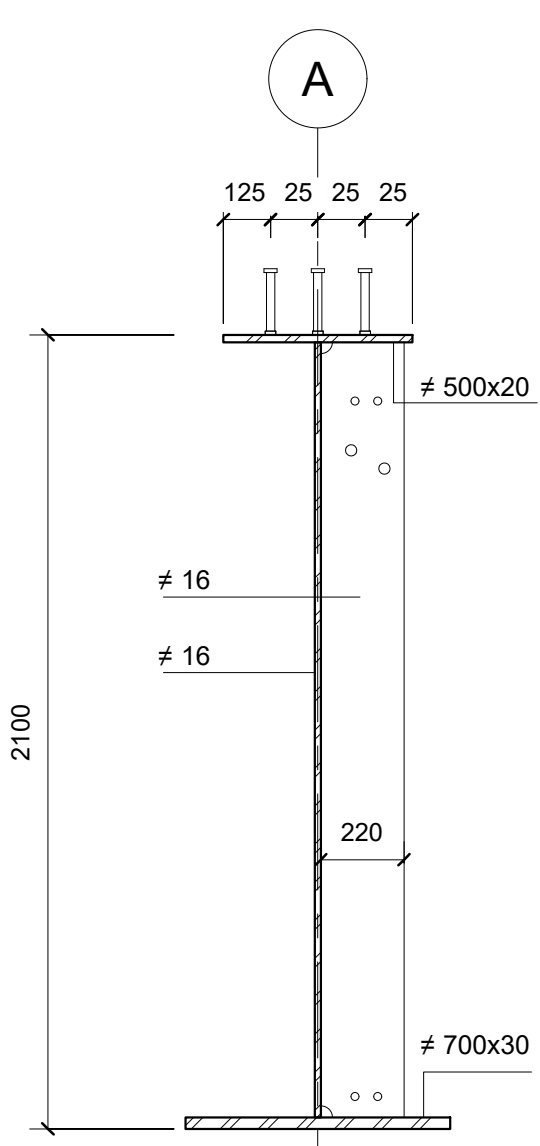
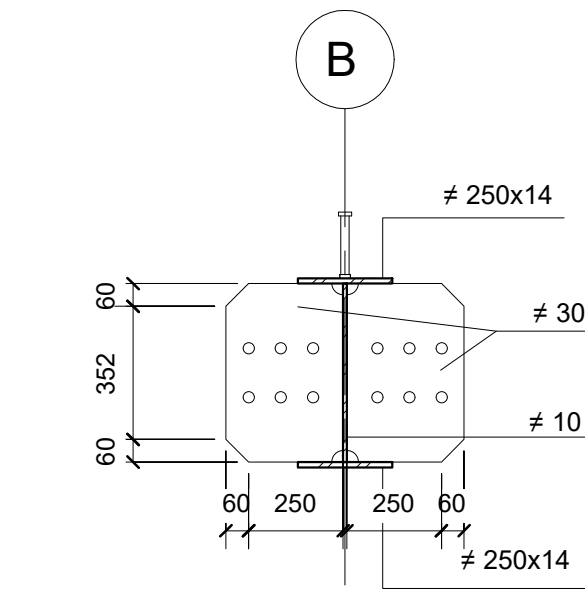
PIESE

PIESE TIPIU	C.1	C.2	C.3	C.4	C.5	C.6	C.7	C.8
GRINDĂ TIPU	T.1	T.2	T.3	T.4	T.5	T.6	T.7	T.8
PLACĂ SUPERIOARĂ	500x20	500x20	500x30	850x40	850x40	500x30	500x30	500x30
REȚELE	16	16	20	24	24	20	16	16
PLACĂ INFERIOARĂ	700x30	850x40	850x40	1000x40	1000x40 + 850x35	850x40	850x35	850x40
PARTEA DE SUDURĂ	J	K	X	Y	K	FP8	10x10	10x10
	8x8	8x8	8x8	11x11	11x11	8x8	8x8	8x8
	8x8	8x8	8x8	11x11	11x11	8x8	8x8	8x8

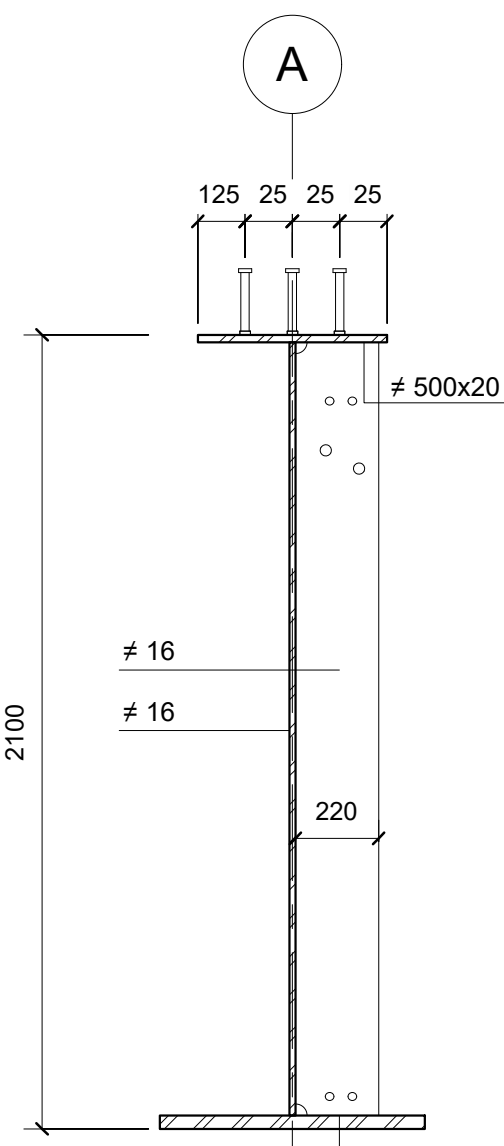
12 TIPIC SECUNDAR GRINDĂ
1:20



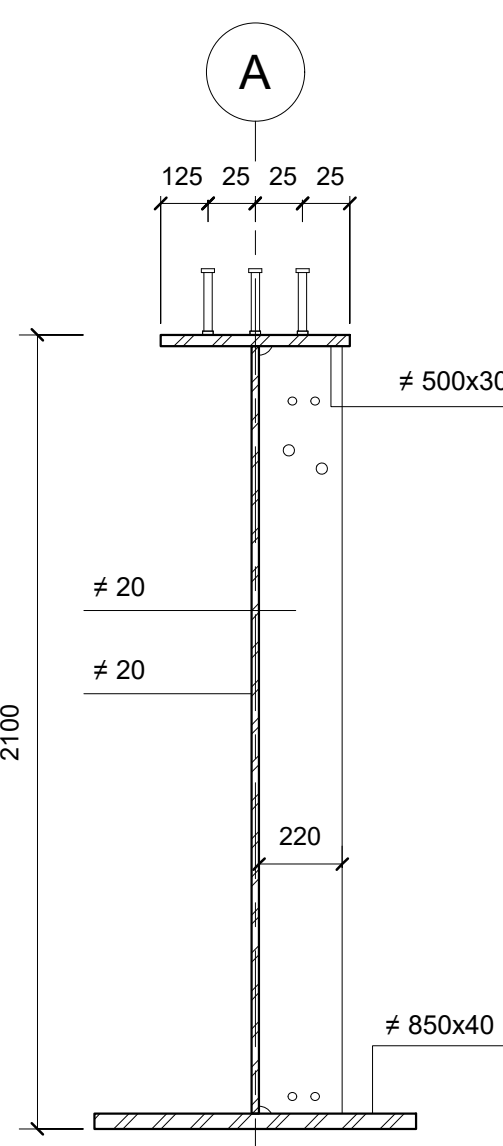
13 SECUNDAR GRINDĂ (PILON)
1:20



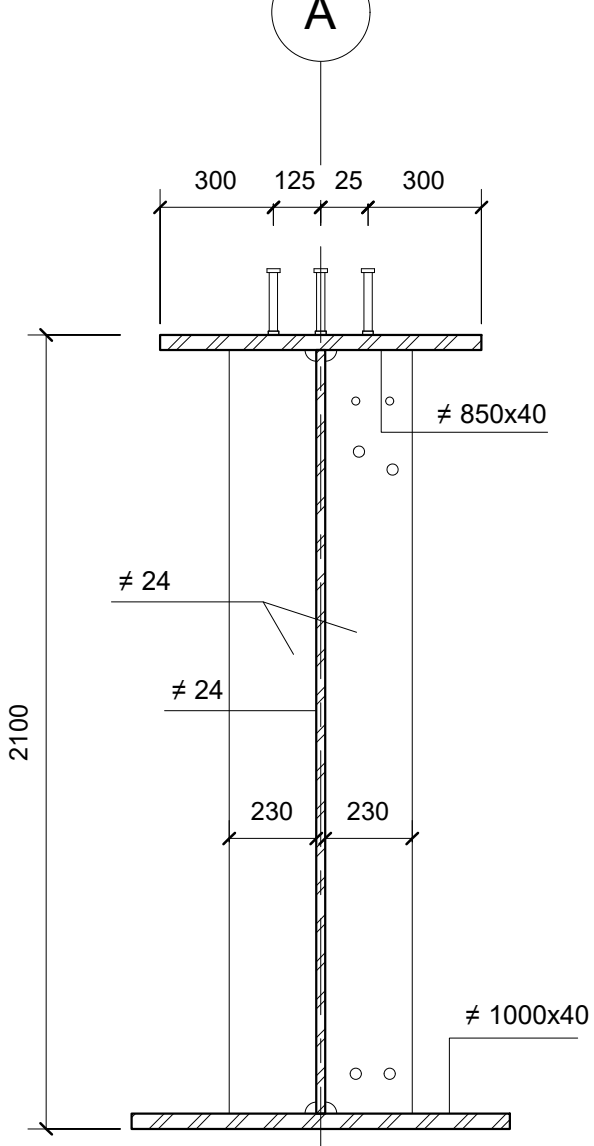
2 GRINDĂ "T1"
1:20



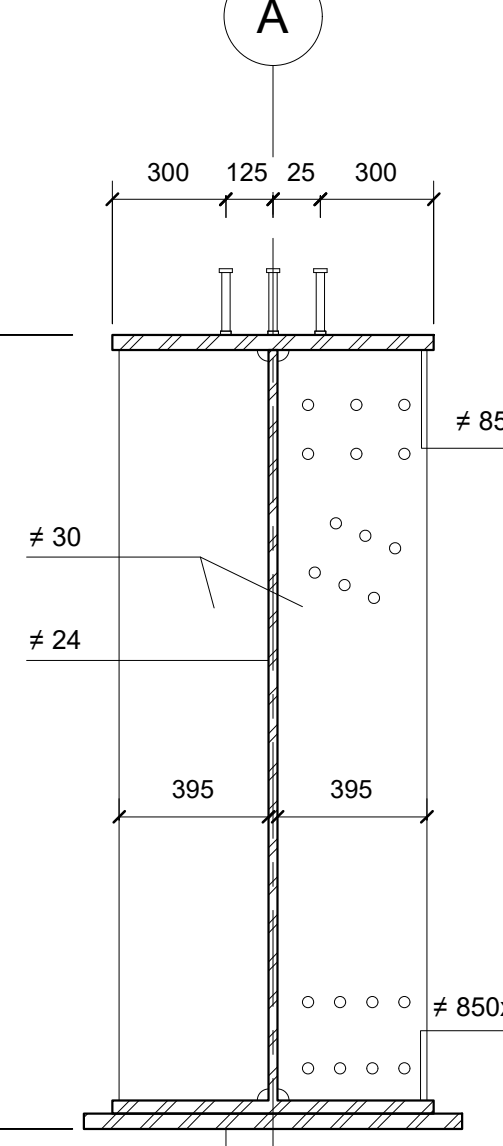
3 GRINDĂ "T2"
1:20



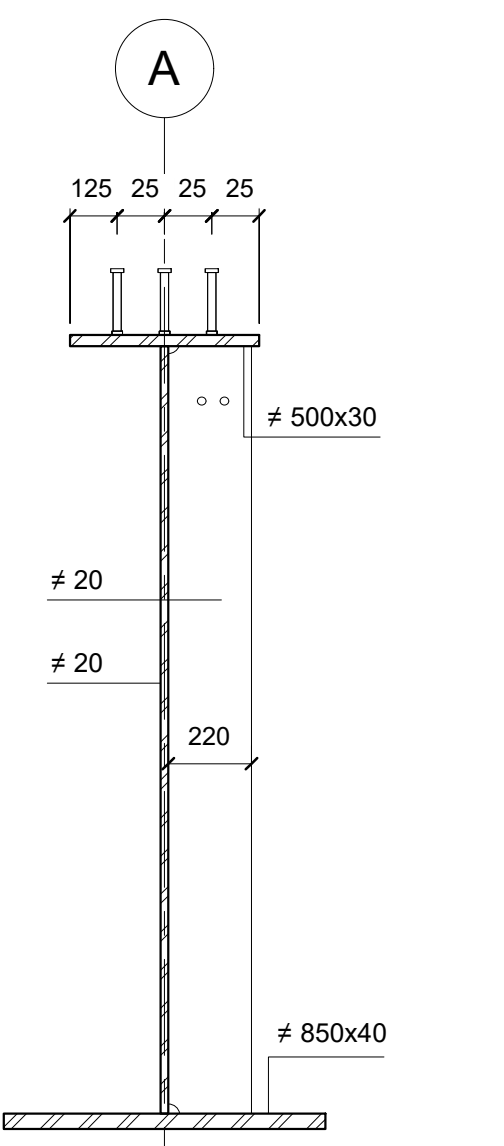
4 GRINDĂ "T3"
1:20



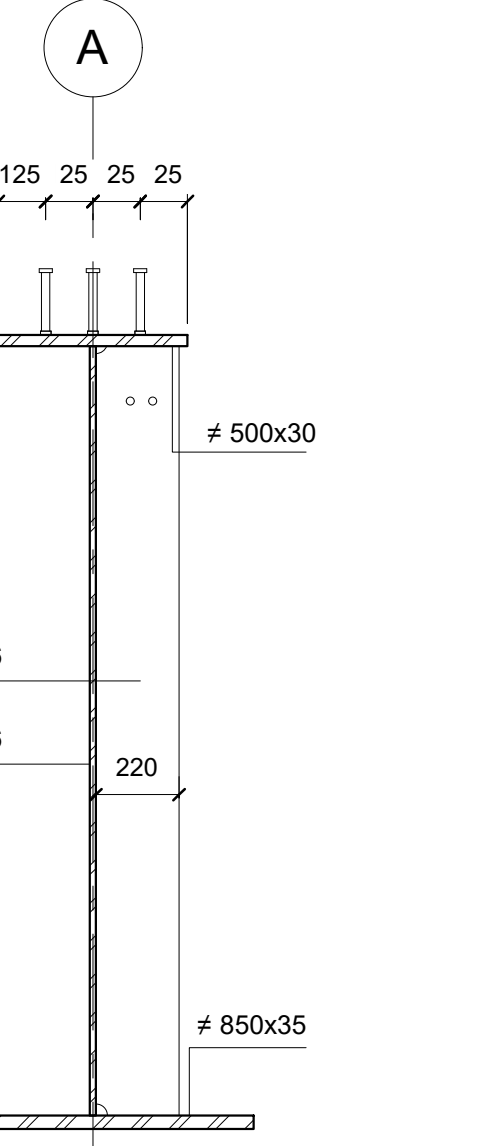
5 GRINDĂ "T4"
1:20



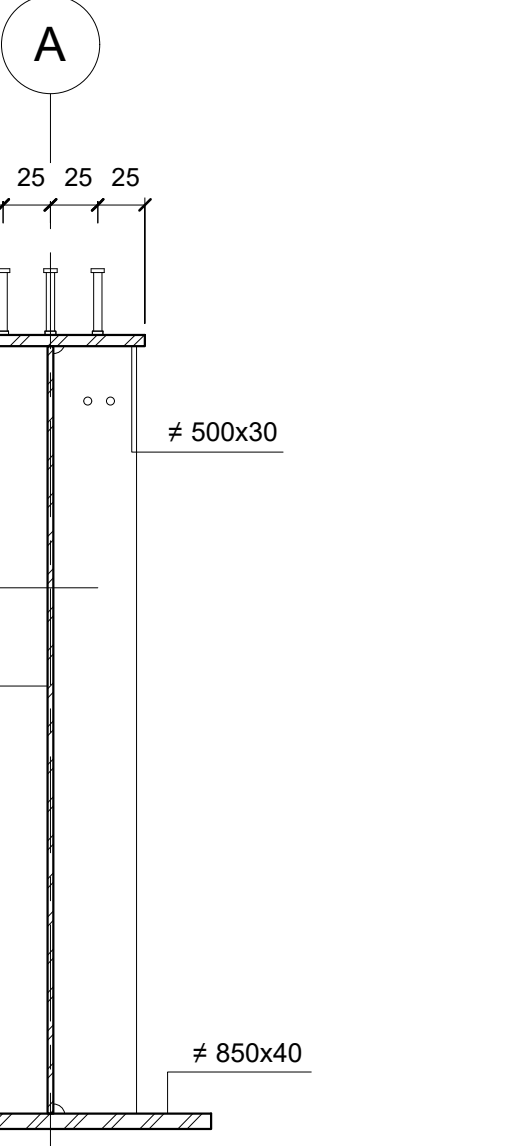
6 GRINDĂ "T5"
1:20



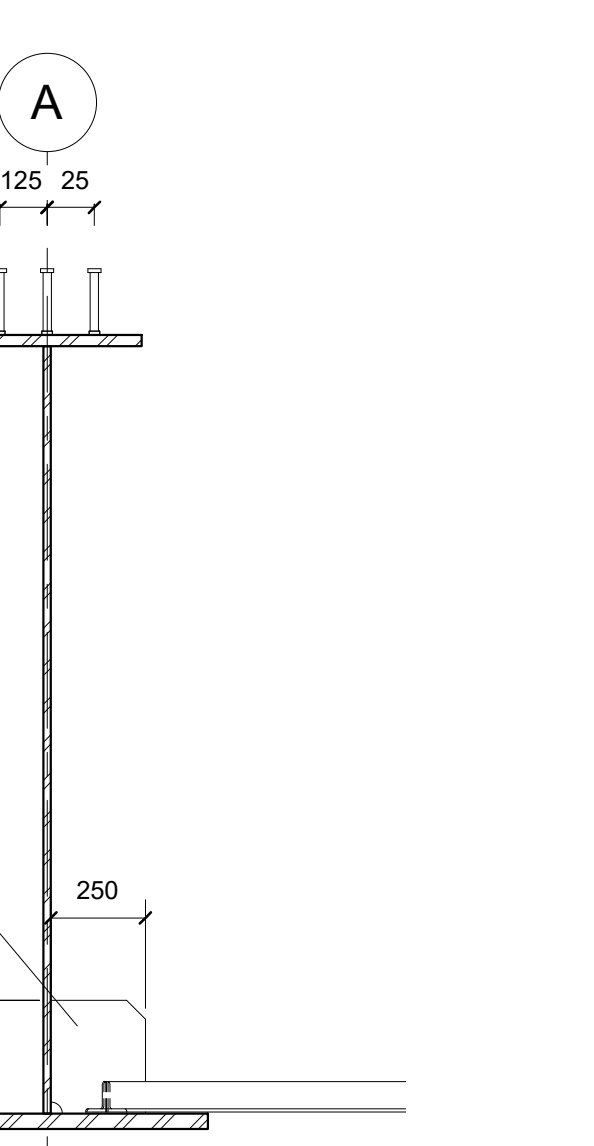
7 GRINDĂ "T6"
1:20



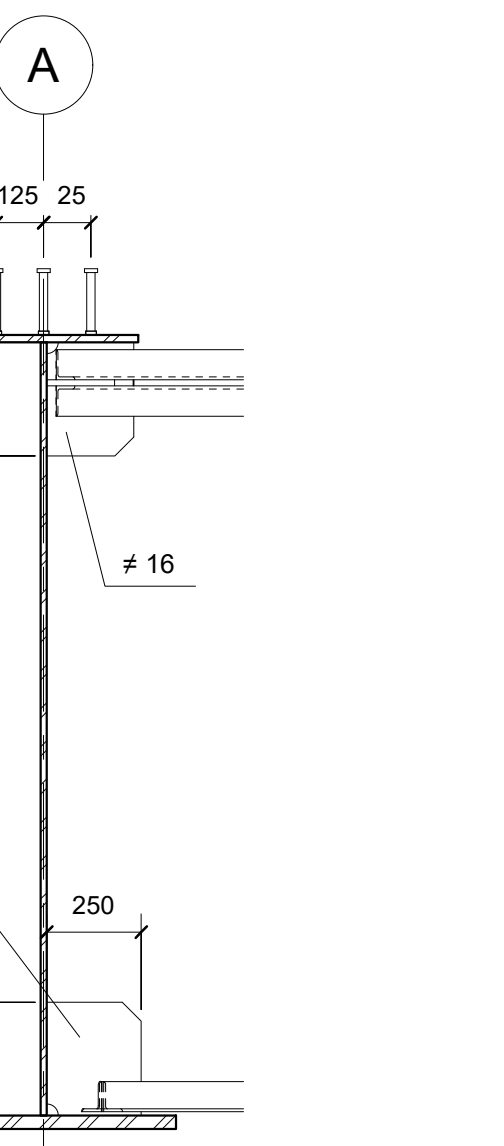
8 GRINDĂ "T7"
1:20



9 GRINDĂ "T8"
1:20



10 GRINDĂ BRIDĂ INFERIOARĂ
1:20



11 GRINDĂ BRIDĂ INFERIOARĂ - SUPERIOARĂ
1:20

[illegible]

Technical drawing of a drainage detail. It shows a cross-section of a structure with a drainage channel. A component labeled 'NIELANT PLACA 300x300x30' is shown at the top left, and a 'JACK' is indicated in the center. Dimensions of 400 and 600 are shown at the bottom right.

TIPO DE GRUPO	C.1	C.2	C.3	C.4	C.5	C.6	C.7	C.8
FLUXO SUPERIOR	T.1	T.2	T.3	T.4	T.5	T.6	T.7	T.8
RETEN.	500x20	500x20	500x30	850x40	850x40	500x30	500x30	500x30
FLUXO INFERIOR	16	16	20	24	24	20	16	16
RETEN.	700x30	850x40	850x40	1000x40	1000x40 + 850x50	850x40	850x35	850x40
PARTE DA SUBGRUPO	J	-	-	-	-	-	-	-
X	8x8	8x8	8x8	8x8	11x11	8x8	8x8	8x8
Y	8x8	8x8	8x8	11x11	K FFW	10x10	10x10	10x10
	Y	-	-	-	11x11	-	-	-

12 — 1 : 20

13 — 1 : 20

GRINDĂ "T1"

GRINDÀ

GRINDA

GRIND.

GRINDA

GRIND,

GRIND.

GRINDA

GRIND.

 GRIND.

POZITIVA		PLACĂ DIMENSIUNE (mm)						porositate (mm)
		a	b	c1	c2	d1	d2	
AX 1/8 C	P2	550	600	30	35	22	35	10x10
	P3	850	900	35	35	15	35	10x10
	P4	850	900	35	35	15	35	10x10
	P5	550	600	30	35	22	35	10x10

330

5

D

C

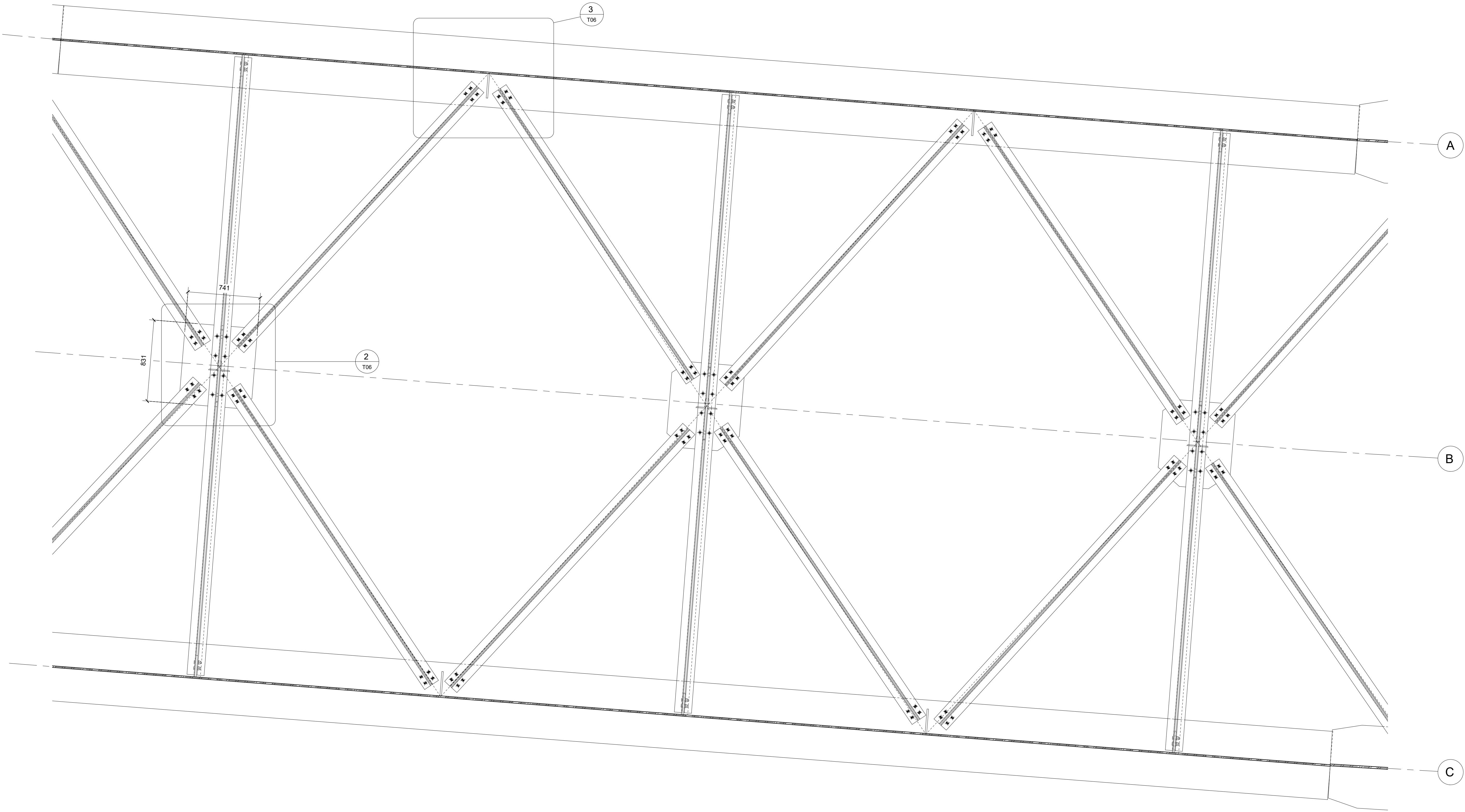
—

5

—

—

c



WATERBALE – RETETE

Structura din oțel EN 10025-5

Grosime elemente sudate ≤ 40 mm S355J2W+N (echivalent OL 52 EP) $f_yk > 355$ N/mm²
Unghiul, plăci și alte nu sudate S355J2W+N (echivalent OL 52 EP) $f_yk > 355$ N/mm²

SUDARE în conformitate cu prevederile EN 1993-1-8

Grosime suduri ≥ 4 – vezi tabelele Afila L > 0,5 t (în grosime țesei)

SURUBURI

Surub categoria 10.9 (EN 14399-4 HV-K1)

Plăcu categoria B5 (EN 14399-4 HV-K1)

Sabla din oțel (EN 14399-6 HV-K1)

Pretensiune: M16 Ns = 110 kN

Pretensiune: M24 Ns = 247 kN

Pretensiune: M27 Ns = 321 kN

SMOLUCII

→ SURUBURI M16 + SURUBURI M20 ← SURUBURI M24 + SURUBURI M27 ⊕ CONECTORI Ø 22

Furaj diametre pentru asamblările filetate:

gaura Ø la 27 mm +2 mm

gaura Ø peste 27 mm +3 mm

CONECTORI

Conectori de tip „Nelson” Ø 22 mm (7/8”) h = 175 mm

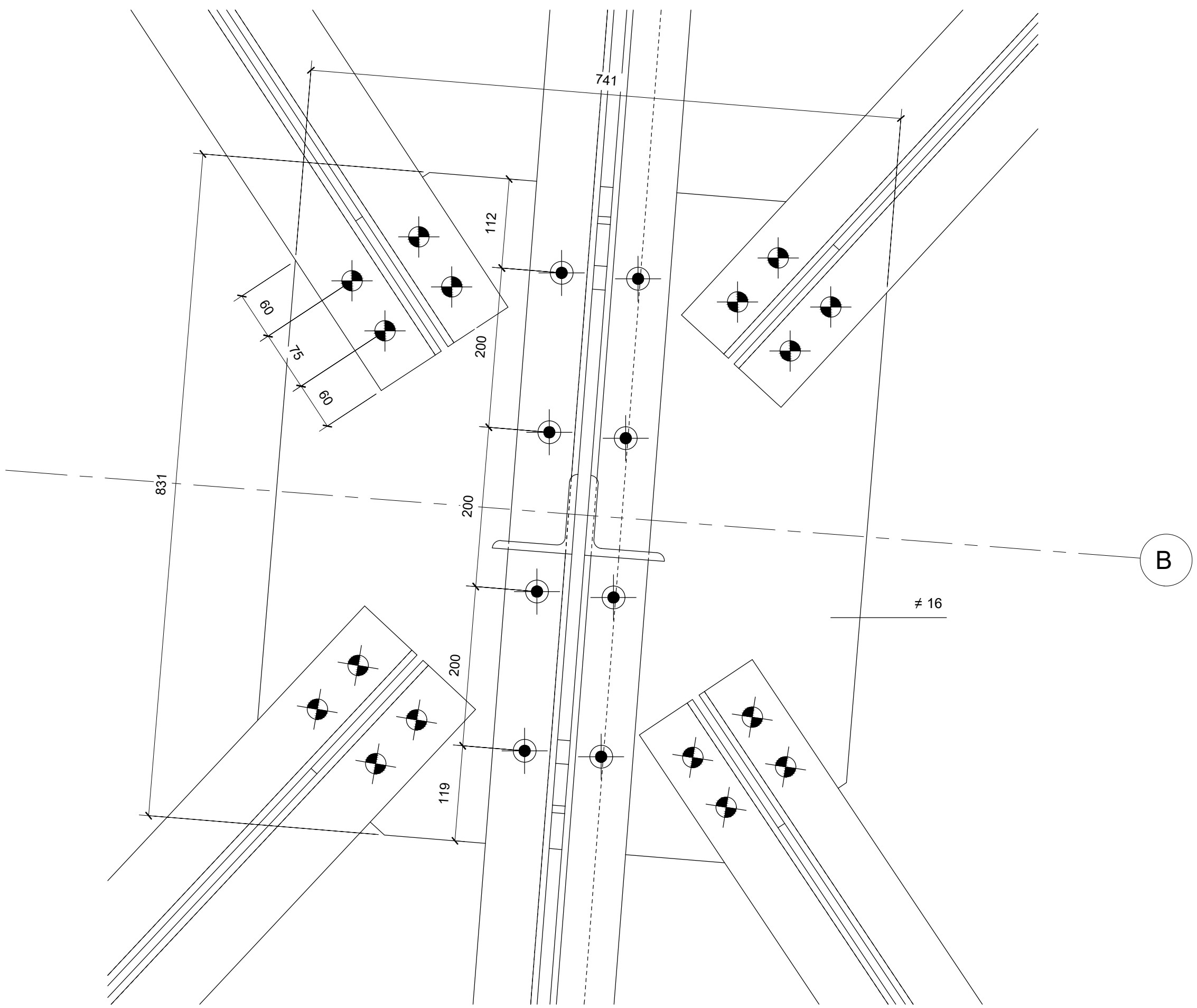
Oțel EN10025-5 EN10024 S235 J2 G3 + G450

$f_yk > 350$ N/mm²

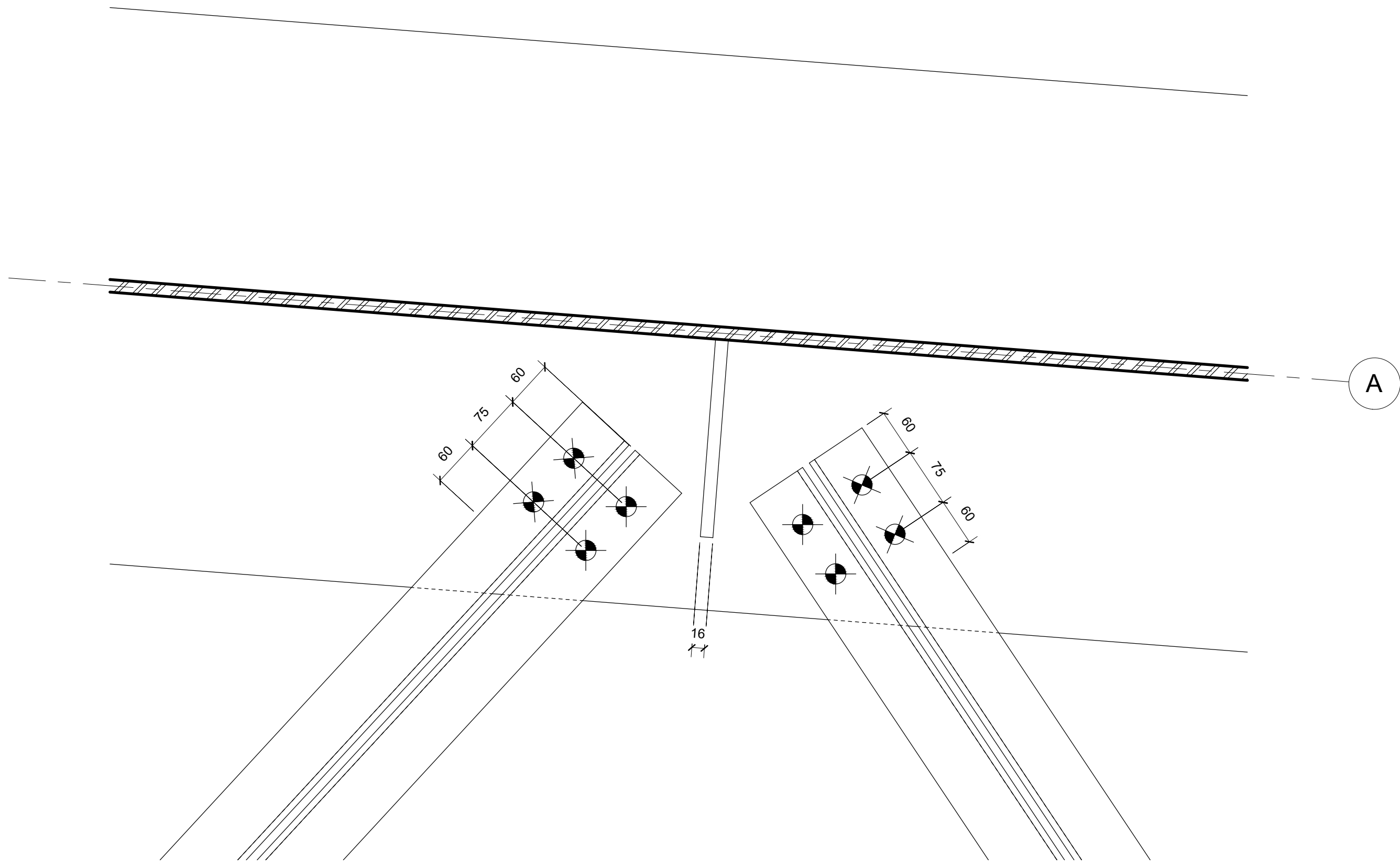
$R_{tx} > 450$ N/mm²

Îngroșate > 15%




1 ANCORAJ INFERIOR ORIZONTAL
1 : 20

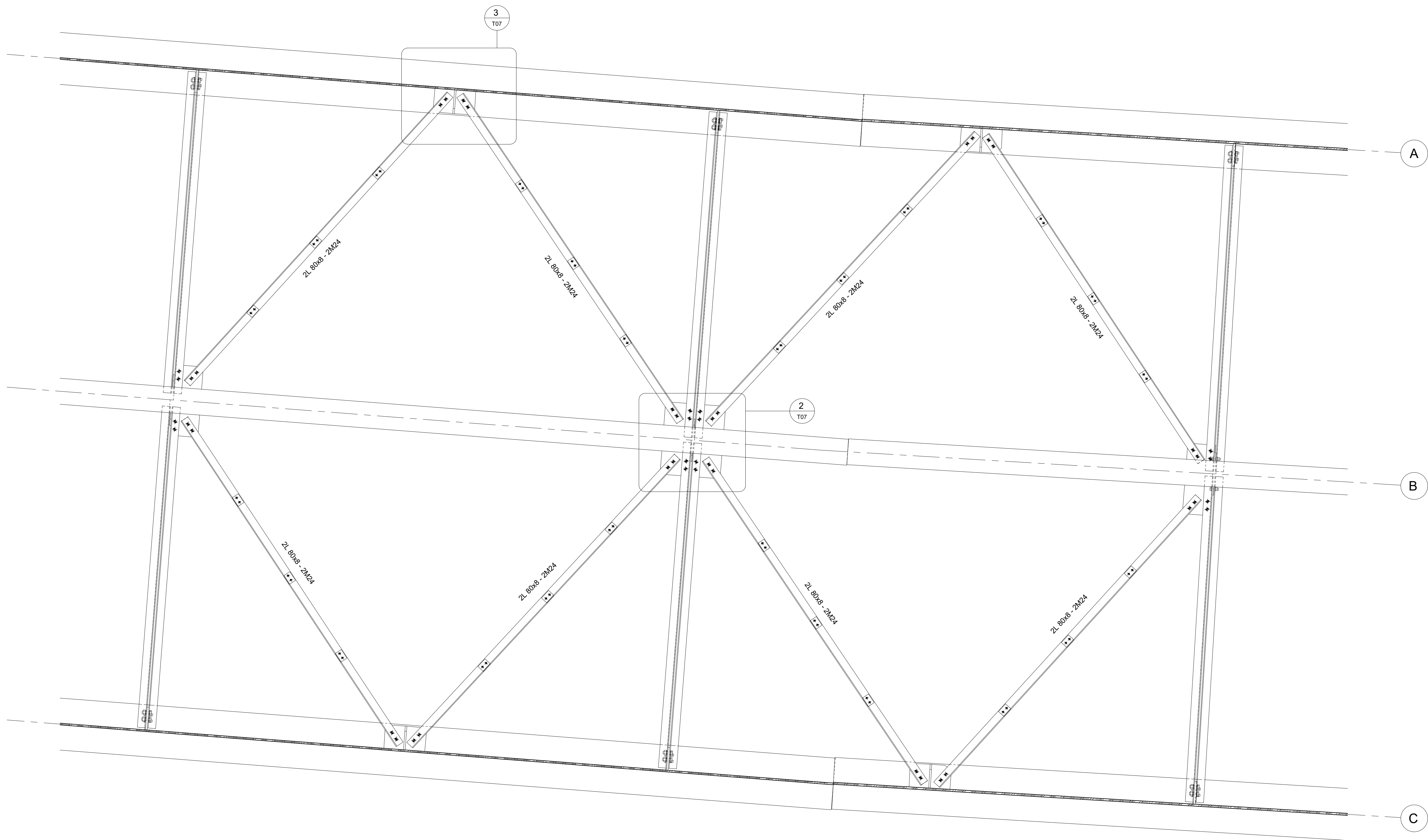


2 DETALIU "A"
1 : 5



3 DETALIU "B"
1 : 5

<div>INVESTITOR</div> <div></div> <div>CJRAH VOTM SA COMUNITATE</div> <div>HAIDRONELECTRICELE</div>	<div>PROIECTANT GENERAL</div> <div></div> <div>D.P. CONSULT S.A.</div>	<div>AMPLASAMENT</div> <div></div>	<div>DESCRIERE PROIECT</div> <div>PROIECTARE ȘI EXECUȚIE</div> <div>"VARIANTA DE OCULIRE</div> <div>TIMIȘARA SUD"</div> <div>ELABORARE PROIECT TEHNIC</div> <div>REST DE EXECUTAT</div>	<div>FAZA PROIECT</div> <div>PROIECT TEHNIC</div> <div>REST DE EXECUTAT</div>	<div>Manager de Proiect</div> <div>Ing. Silvan Moldovan</div> <div>Șef Echipă Proiectare</div> <div>Ing. Raul Cotic</div> <div>Inginer Proiectant Poduri</div> <div>Ing. Alina Takacs</div> <div>Inginer proiectant</div> <div>Ing. Teodor Sabadaș</div>	<div>REVIZII</div> <div>NR. REV.</div> <div>DATA</div> <div>SEMN.</div>	<div>DESCRIERE PLANȘA</div> <div>PASAJUL 1408 PEȘTE DR 152</div> <div>TIMIȘARA VEST-CAUCIEN</div> <div>ANCORAJ INFERIOR</div> <div>ORIZONTAL</div> <div>Scara 1 : 5 1:20</div> <div>NUMAR PLANȘA</div> <div>10036-VOTM-STR02-SM-06</div>
			<div>NUMAR CONTRACT</div> <div>5003609 02 2023</div>	<div>Data</div> <div>03.2023</div>	<div>VERIFICATOR TEHNIC</div>		
			<div>NUMAR PROIECT</div> <div>556</div>				



WATERPALE – RETETE

Structura din otel EN 10025-5

Grosime elemente sudari ≤ 40 mm S355J2W+N (echivalent OL 52 EP) $f_yk > 355$ N/mm²

Ingrijitor, placi si alte nu sudari S355J2W+N (echivalent OL 52 EP) $f_yk > 355$ N/mm²

SUDARE: In conformitate cu prevederile EN 1993-1-8

Grosime sudari ≥ 4 - vezi tabelele A1/A4 L > 0,5 t (In grosime Bansen)

SURUBURI

Surub categoria 10.9 (EN 14399-4 HV=K1)

Platie categoria B0 (EN 14399-4 HV=K1)

Sabot din otel (EN 14399-4 HV=K1)

Pretensionare: M16 $f_{yk} = 110$ KN

Pretensionare: M24 $f_{yk} = 247$ KN

Pretensionare: M27 $f_{yk} = 321$ KN

SMURDURI

+ SURUBURI M16 SURUBURI M20 SURUBURI M24 SURUBURI M27 CONECTORI $\varnothing 22$

Foraj diametre pentru asamblare Placate:

gaura \varnothing la 27 mm +2 mm

gaura \varnothing peste 27 mm +3 mm

CONECTORI

Conectori de tip "Nelson" $\varnothing 22$ mm (7/8") h = 175 mm

Otel EN10025 EN10024 S235 J2 C3 + C450

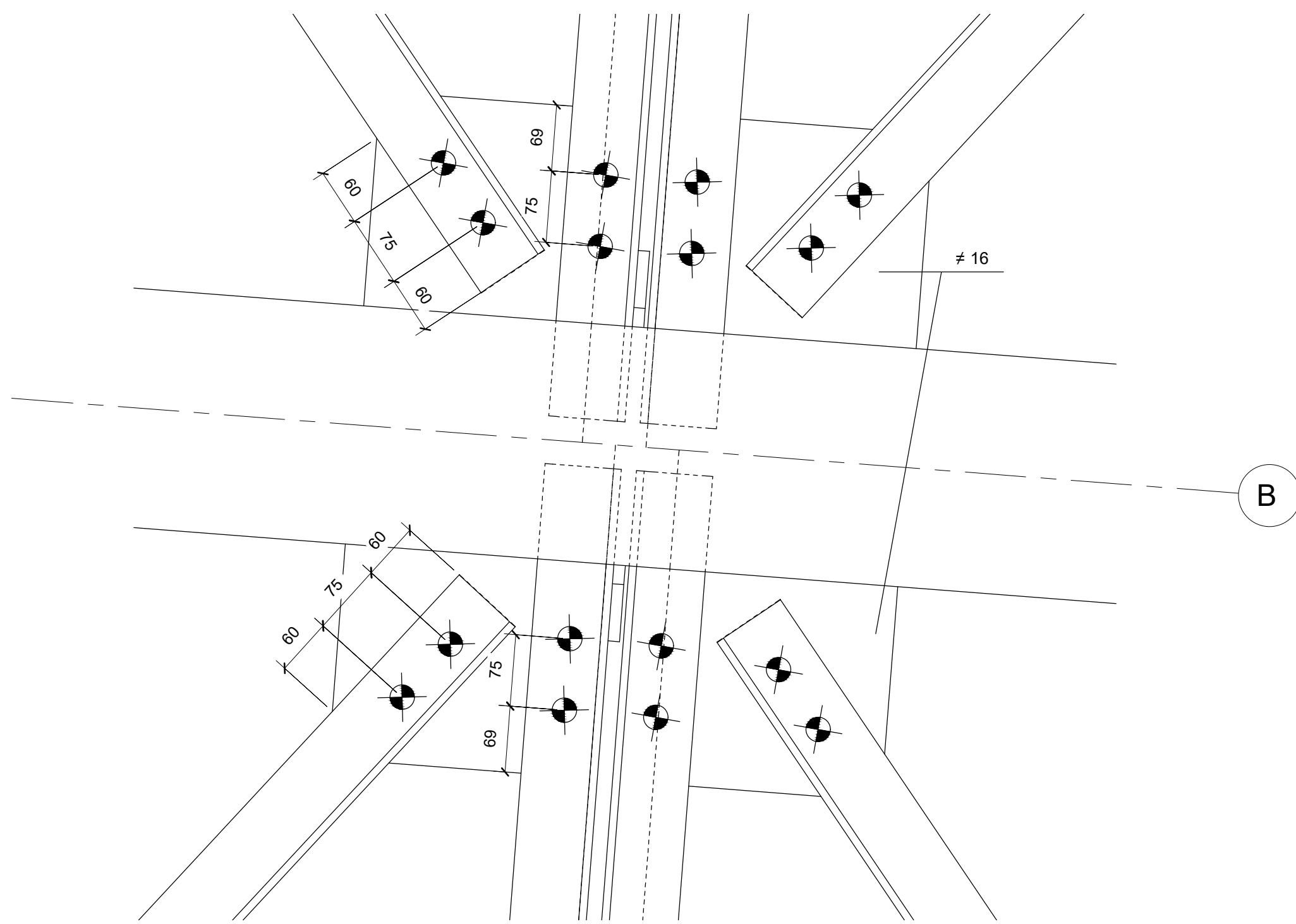
$f_yk > 355$ N/mm²

$f_{tk} > 450$ N/mm²

Unghiile > 15°

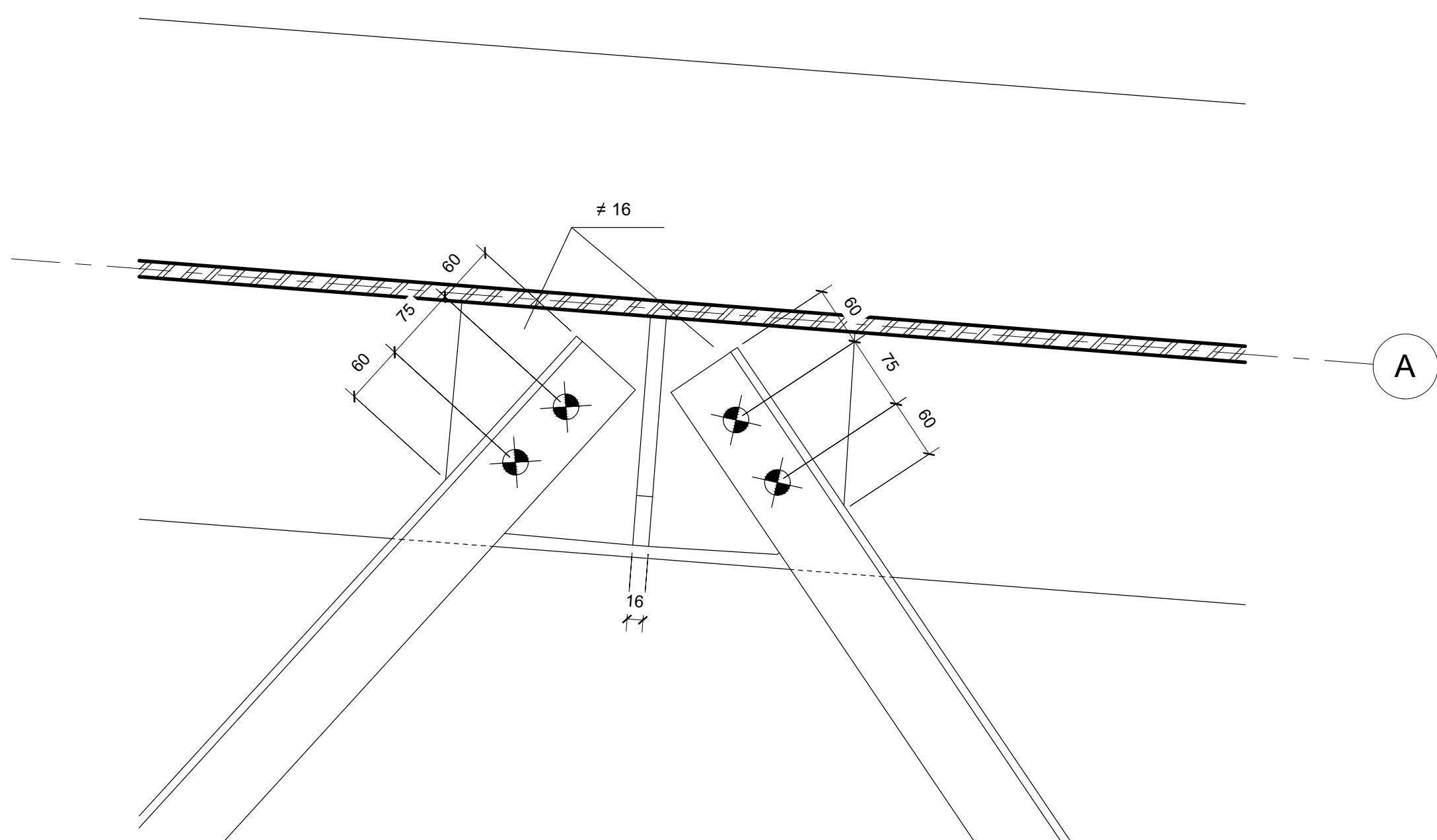
1 ANCORAJ SUPERIOR ORIZZONTAL

1:20



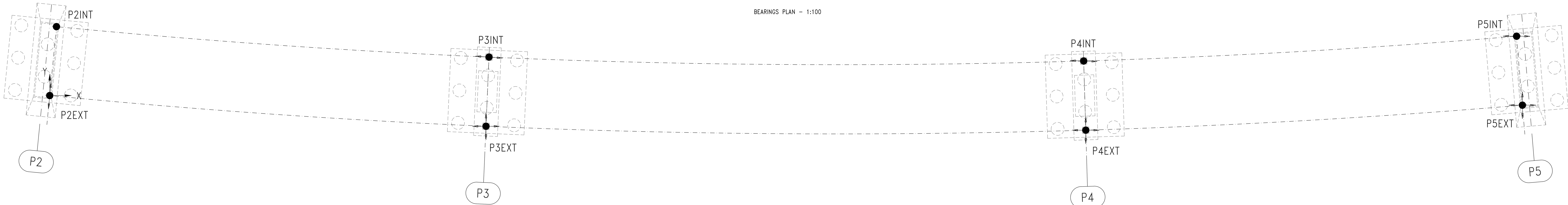
2 DETALIU "A"

1:5



3 DETALIU "B"

1:5



BEARINGS PLAN - 1:100

STATIC COMBINATIONS

TABLE: Element Forces - Links						
bearings	OutputCase	StepType	P	V2	V3	
Text	Text	Text	KN	KN	KN	
P2INT	A1 STR	Max	-752	291	500	
P2EXT	A1 STR	Max	-771	88	0	
P3INT	A1 STR	Max	-4843	0	844	
P3EXT	A1 STR	Max	-4854	0	0	
P4INT	A1 STR	Max	-4816	0	854	
P4EXT	A1 STR	Max	-4854	0	0	
P5INT	A1 STR	Max	-761	0	495	
P5EXT	A1 STR	Max	-780	0	0	
P2INT	SLS (G)	Max	-920	6	-1	
P2EXT	SLS (G)	Max	-977	-4	0	
P3INT	SLS (G)	Max	-4057	0	7	
P3EXT	SLS (G)	Max	-4026	0	0	
P4INT	SLS (G)	Max	-4054	0	-2	
P4EXT	SLS (G)	Max	-4029	0	0	
P5INT	SLS (G)	Max	-920	0	4	
P5EXT	SLS (G)	Max	-977	0	0	
P2INT	SLS (K)	Max	-564	201	337	
P2EXT	SLS (K)	Max	-575	61	0	
P3INT	SLS (K)	Max	-3616	0	570	
P3EXT	SLS (K)	Max	-3620	0	0	
P4INT	SLS (K)	Max	-3598	0	576	
P4EXT	SLS (K)	Max	-3620	0	0	
P5INT	SLS (K)	Max	-570	0	335	
P5EXT	SLS (K)	Max	-581	0	0	

bearings	Station	OutputCase	StepType	P	V2	V3
Text	Text	Text	Text	KN	KN	KN
P2INT	I-End	A1 STR	Min	-2924	-227	-529
P2EXT	I-End	A1 STR	Min	-3582	-155	0
P3INT	I-End	A1 STR	Min	-9178	0	-802
P3EXT	I-End	A1 STR	Min	-9695	0	0
P4INT	I-End	A1 STR	Min	-9194	0	-848
P4EXT	I-End	A1 STR	Min	-9706	0	0
P5INT	I-End	A1 STR	Min	-2913	0	-501
P5EXT	I-End	A1 STR	Min	-3572	0	0
P2INT	I-End	SLS (G)	Min	-972	4	-5
P2EXT	I-End	SLS (G)	Min	-1041	-7	0
P3INT	I-End	SLS (G)	Min	-4157	0	5
P3EXT	I-End	SLS (G)	Min	-4042	0	0
P4INT	I-End	SLS (G)	Min	-4154	0	-8
P4EXT	I-End	SLS (G)	Min	-4045	0	0
P5INT	I-End	SLS (G)	Min	-973	0	0
P5EXT	I-End	SLS (G)	Min	-1040	0	0
P2INT	I-End	SLS (K)	Min	-2131	-154	-357
P2EXT	I-End	SLS (K)	Min	-2619	-110	0
P3INT	I-End	SLS (K)	Min	-6742	0	-540
P3EXT	I-End	SLS (K)	Min	-7110	0	0
P4INT	I-End	SLS (K)	Min	-6753	0	-573
P4EXT	I-End	SLS (K)	Min	-7118	0	0
P5INT	I-End	SLS (K)	Min	-2124	0	-338
P5EXT	I-End	SLS (K)	Min	-2611	0	0

LOCAL AXIS 1-1 P VERTICAL DIRECTION
LOCAL AXIS 2-2 V2 LONGITUDINAL DIRECTION; R22 ROTATION AROUND AXIS 2-2
LOCAL AXIS 3-3 V3 TRANSVERSE DIRECTION; R33 ROTATION AROUND AXIS 3-3

SEISMIC COMBINATIONS

TABLE: Element Forces - Links						
bearings	type	OutputCase	StepType	P	V2	V3
Text	Text	Text	Text	KN	KN	KN
P2INT	AF	A1(e)	Max	-144	3831	1866
P2EXT	UNT	A1(e)	Max	-190	3866	0
P3INT	UNL	A1(e)	Max	-2519	0	4018
P3EXT	AM	A1(e)	Max	-2455	0	0
P4INT	UNL	A1(e)	Max	-2424	0	4168
P4EXT	AM	A1(e)	Max	-2373	0	0
P5INT	UNL	A1(e)	Max	-90	0	2018
P5EXT	AM	A1(e)	Max	-162	0	0

TABLE: Element Forces - Links						
bearings	type	OutputCase	StepType	P	V2	V3
Text	Text	Text	Text	KN	KN	KN
P2INT	AF	A1(e)	Min	-1937	-3812	-1878
P2EXT	UNT	A1(e)	Min	-2101	-3887	0
P3INT	UNL	A1(e)	Min	-5929	0	-4000
P3EXT	AM	A1(e)	Min	-6035	0	0
P4INT	UNL	A1(e)	Min	-6018	0	-4170
P4EXT	AM	A1(e)	Min	-6123	0	0
P5INT	UNL	A1(e)	Min	-1991	0	-2020
P5EXT	AM	A1(e)	Min	-2128	0	0

BEARING LEGEND

POS.	SYMBOL	TYPE
P2EXT		UNIDIRECTIONAL TRANSVERSAL
P2INT		FIX
P3EXT		MULTIDIRECTIONAL
P3INT		UNIDIRECTIONAL LONGITUDINAL
P4EXT		MULTIDIRECTIONAL
P4INT		UNIDIRECTIONAL LONGITUDINAL
P5EXT		MULTIDIRECTIONAL
P5INT		UNIDIRECTIONAL LONGITUDINAL

Vz VERTICAL LOAD // Z AXIS
Vx LONGITUDINAL LOAD // X AXIS
Vy TRANSVERSAL LOAD // Y AXIS

bearings	OutputCase	StepType	R22	CHECK	R33	CHECK
Text	Text	Text	Radians	1%	Radians	1%
P2INT	A1 STR	Max	0.01%	ok	0.78%	ok
P2EXT	A1 STR	Max	0.15%	ok	0.79%	ok
P3INT	A1 STR	Max	0.05%	ok	0.50%	ok
P3EXT	A1 STR	Max	0.14%	ok	0.53%	ok
P4INT	A1 STR	Max	0.04%	ok	0.34%	ok
P4EXT	A1 STR	Max	0.15%	ok	0.34%	ok
P5INT	A1 STR	Max	0.03%	ok	-0.29%	ok
P5EXT	A1 STR	Max	0.17%	ok	-0.33%	ok
P2INT	SLS (G)	Max	-0.05%	ok	0.27%	ok
P2EXT	SLS (G)	Max	-0.01%	ok	0.27%	ok
P3INT	SLS (G)	Max	-0.02%	ok	0.10%	ok
P3EXT	SLS (G)	Max	0.04%	ok	0.10%	ok
P4INT	SLS (G)	Max	-0.02%	ok	0.01%	ok
P4EXT	SLS (G)	Max	0.05%	ok	0.01%	ok
P5INT	SLS (G)	Max	-0.04%	ok	-0.46%	ok
P5EXT	SLS (G)	Max	0.01%	ok	-0.48%	ok
P2INT	SLS (K)	Max	0.01%	ok	0.59%	ok
P2EXT	SLS (K)	Max	0.11%	ok	0.59%	ok
P3INT	SLS (K)	Max	0.03%	ok	0.37%	ok
P3EXT	SLS (K)	Max	0.10%	ok	0.39%	ok
P4INT	SLS (K)	Max	0.03%	ok	0.25%	ok
P4EXT	SLS (K)	Max	0.11%	ok	0.26%	ok
P5INT	SLS (K)	Max	0.01%	ok	-0.22%	ok
P5EXT	SLS (K)	Max	0.12%	ok	-0.25%	ok

bearings	OutputCase	StepType	R22	CHECK	R33	CHECK
Text	Text	Text	Radians	1%	Radians	1%
P2INT	A1 STR	Min	-0.26%	ok	0.07%	ok
P2EXT	A1 STR	Min	-0.16%	ok	0.04%	ok
P3INT	A1 STR	Min	-0.16%	ok	-0.16%	ok
P3EXT	A1 STR	Min	0.01%	ok	-0.19%	ok
P4INT	A1 STR	Min	-0.14%	ok	-0.36%	ok
P4EXT	A1 STR	Min	0.02%	ok	-0.39%	ok
P5INT	A1 STR	Min	-0.22%	ok	-1.39%	correction
P5EXT	A1 STR	Min	-0.13%	ok	-1.54%	correction
P2INT	SLS (G)	Min	-0.06%	ok	0.22%	ok
P2EXT	SLS (G)	Min	-0.02%	ok	0.22%	ok
P3INT	SLS (G)	Min	-0.02%	ok	0.08%	ok
P3EXT	SLS (G)	Min	0.04%	ok	0.08%	ok
P4INT	SLS (G)	Min	-0.03%	ok	-0.01%	ok
P4EXT	SLS (G)	Min	0.05%	ok	-0.03%	ok
P5INT	SLS (G)	Min	-0.04%	ok	-0.50%	ok
P5EXT	SLS (G)	Min	0.00%	ok	-0.52%	ok
P2INT	SLS (K)	Min	-0.19%	ok	0.08%	ok
P2EXT	SLS (K)	Min	-0.11%	ok	0.04%	ok
P3INT	SLS (K)	Min	-0.10%	ok	-0.12%	ok
P3EXT	SLS (K)	Min	0.01%	ok	-0.15%	ok
P4INT	SLS (K)	Min	-0.10%	ok	-0.26%	ok
P4EXT	SLS (K)	Min	0.02%	ok	-0.29%	ok
P5INT	SLS (K)	Min	-0.16%	ok	-1.02%	correction
P5EXT	SLS (K)	Min	-0.09%	ok	-1.14%	correction

correction : the correction will be done with no parallel steel plate on top the bearings

TABLE: Element Deformations - Links					
bearings	LinkElem	OutputCase	Δ L long +/-	Δ L trans +/-	
Text	Text		mm	mm	
P2INT	AF	DT BEARINGS -61°	0.00	0.00	
P2EXT	UNT	DT BEARINGS -61°	0.00	-0.08	
P3INT	UNL	DT BEARINGS -61°	-27.72	0.00	
P3EXT	AM	DT BEARINGS -61°	-27.60	3.29	
P4INT	UNL	DT BEARINGS -61°	-61.70	0.00	
P4EXT	AM	DT BEARINGS -61°	-61.65	2.68	
P5INT	UNL	DT BEARINGS -61°	-88.73	0.00	
P5EXT	AM	DT BEARINGS -61°	-88.81	-0.09	
P2INT	AF	DT SUPERST -41°	0.00	0.00	
P2EXT	UNT	DT SUPERST -41°	0.00	-0.06	
P3INT	UNL	DT SUPERST -41°	-18.63	0.00	
P3EXT	AM	DT SUPERST -41°	-18.55	2.21	
P4INT	UNL	DT SUPERST -41°	-41.47	0.00	
P4EXT	AM	DT SUPERST -41°	-41.43	1.80	
P5INT	UNL	DT SUPERST -41°	-59.64	0.00	
P5EXT	AM	DT SUPERST -41°	-59.69	-0.06	
P2INT	AF	SHK	0.00	0.00	
P2EXT	UNT	SHK	0.00	0.00	
P3INT	UNL	SHK	-1.26	0.00	
P3EXT	AM	SHK	-1.21	0.13	
P4INT	UNL	SHK	-5.92	0.00	
P4EXT	AM	SHK	-5.98	0.26	
P5INT	UNL	SHK	-7.66	0.00	
P5EXT	AM	SHK	-7.67	0.00	

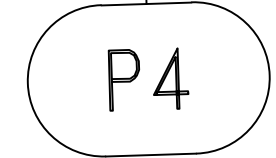
C35/45 - Placa de suprabetonare
Conform NE 012-1:2007 / SR EN 206-1
Clasa de expunere: XC3 (RO)
Agregate: Dmax20
Clasa de cloruri: Cl 0,2
Clasa de consistenta: clasa de tasare S4
Acoperirea cu beton: ≥35 mm
Otel (armare de beton): S500 (BST500C)

C35/45 - Trotuar
Conform NE 012-1:2007 / SR EN 206-1
Clasa de expunere: XC4+XF4+XD1 (RO)
Agregate: Dmax20
Clasa de cloruri: Cl 0,2
Clasa de consistenta: clasa de tasare S4
Acoperirea cu beton: 40 mm
Otel (armare de beton): S500 (BST500C)

C35/45 - Dale prefabricate
Conform NE 012-1:2007 / SR EN 206-1
Clasa de expunere: XD3 (RO)
Agregate: Dmax16
Clasa de cloruri: Cl 0,2
Clasa de consistenta: clasa de tasare S4
Acoperirea cu beton: 35 mm
Otel (armare de beton): S500 (BST500C)



INVESTITOR	PROIECTANT GENERAL	AMPLASAMENT	DENUMIRE PROIECT PROIECTARE SI EXECUTIE VARIANTA DE OCULUIE TIMISOARA SUD ELABORARE PROIECT TEHNIC REST DE EXECUTAT	FAZA PROIECT PROIECT TEHNIC REST DE EXECUTAT	Manager de Proiect Ing. Silviu Moldovan Sef Echipa Proiectare Ing. Raul Cocos Inginer Proiectant Poduri Ing. Adina Talasca Inginer Proiectant Ing. Teodor Sabadus	REZERV			DENUMIRE PLANSA PASAJ RAT 1+588 REST DE 132 TIMISOARA VEST-CRUCENI BEARINGS
						NR.	REV.	DATA	
			NUMAR CONTRACT: 5503609.02.2023 NUMAR PROIECT: 596	Data : 03.2023 VERIFICATOR TEHNIC					Scale: 1:100 NUMAR PLANSA: 10036-VOTM-ST002-SM-



LOCAL AXIS 1-1	P VERTICAL DIRECTION		
LOCAL AXIS 2-2	V2 LONGITUDINAL DIRECTION; R22 ROTATION AROUND AXIS 2-2		
LOCAL AXIS 3-3	V3 TRANSVERSE DIRECTION; R33 ROTATION AROUND AXIS 3-3		

correction : the correction will be done with no parallel steel plate on top the bearings

V_z VERTICAL LOAD // Z AXIS
V_x LONGITUDINAL LOAD // X AXIS
V_y TRANSVERSAL LOAD // Y AXIS

C35/45 – Dale prefabricate

Conform NE 012-1:2007 / SR EN 206-1

Clasa de expunere: XD3 (RO)

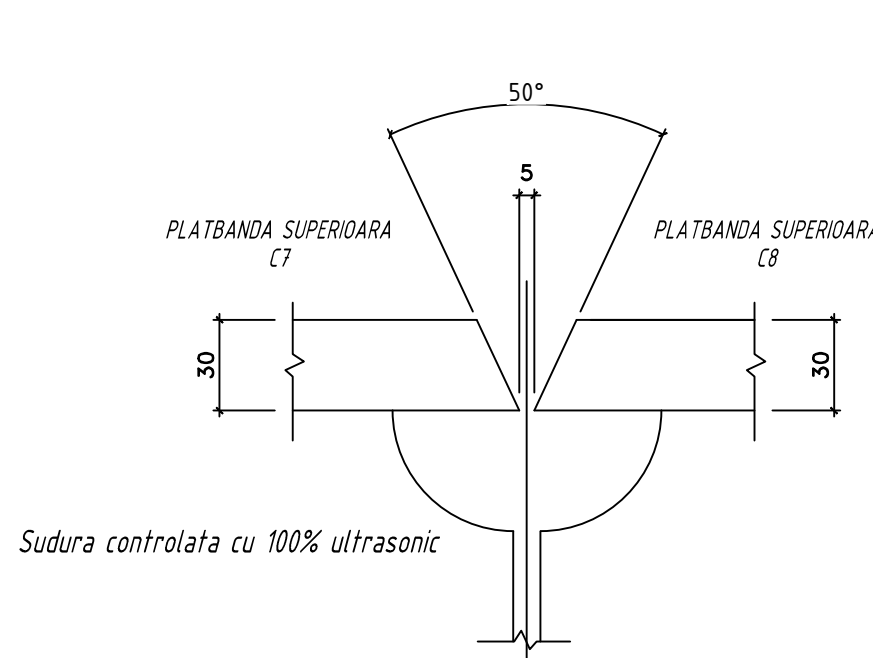
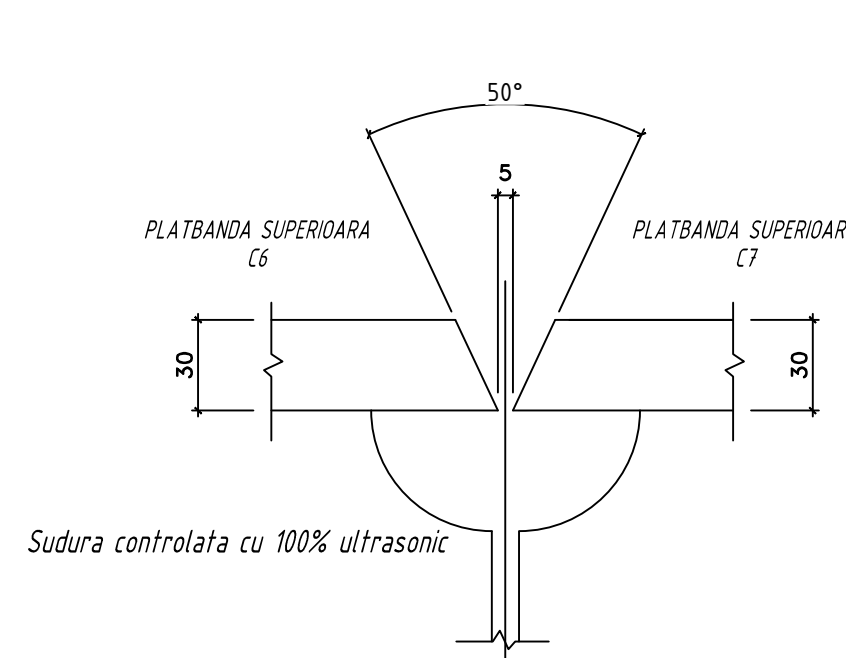
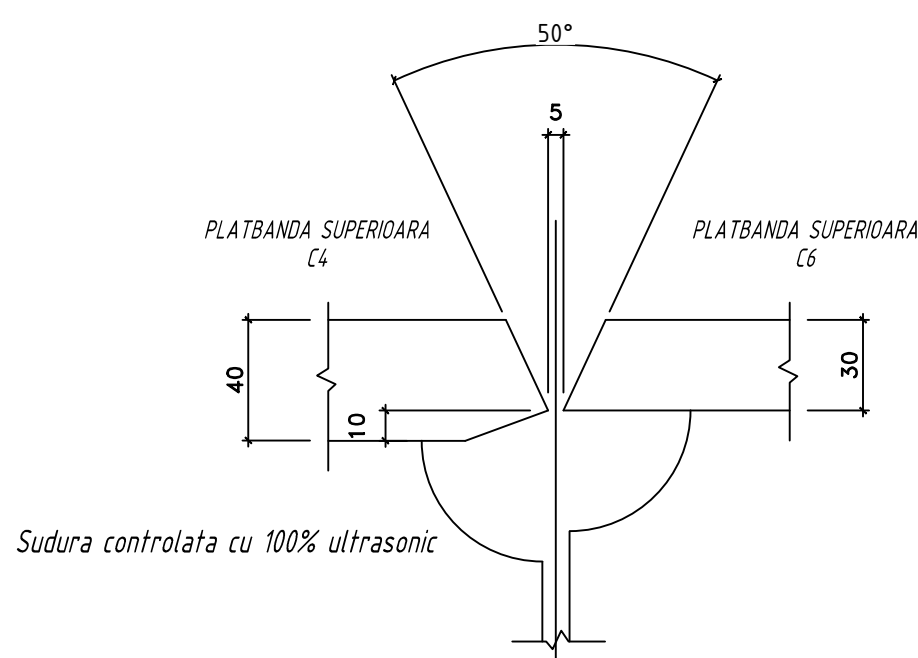
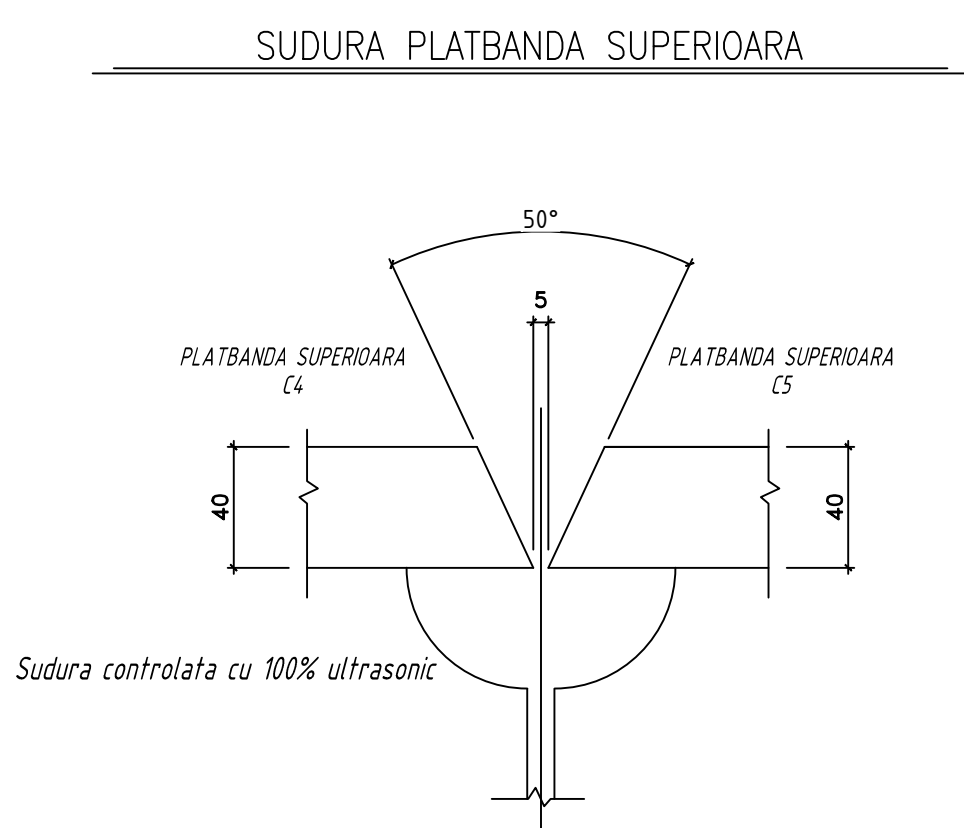
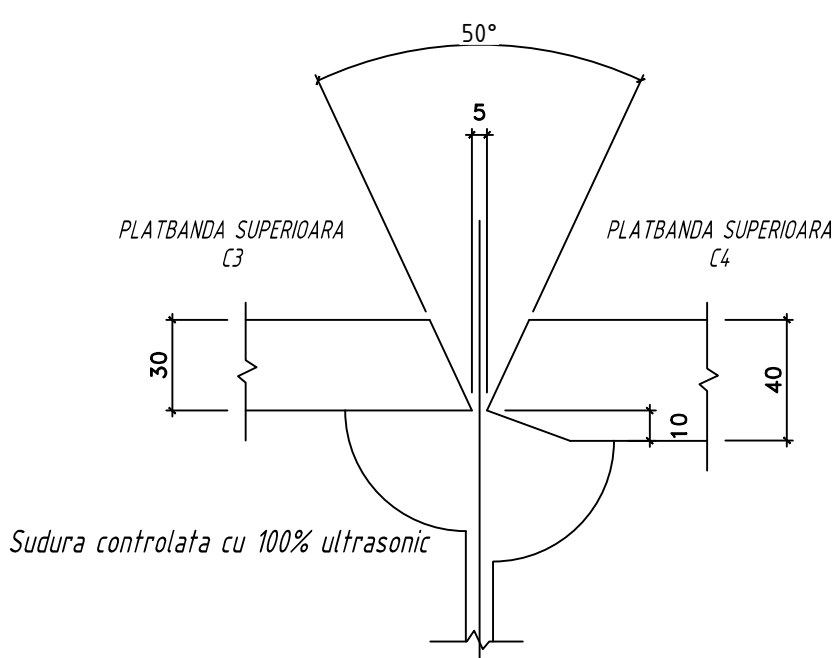
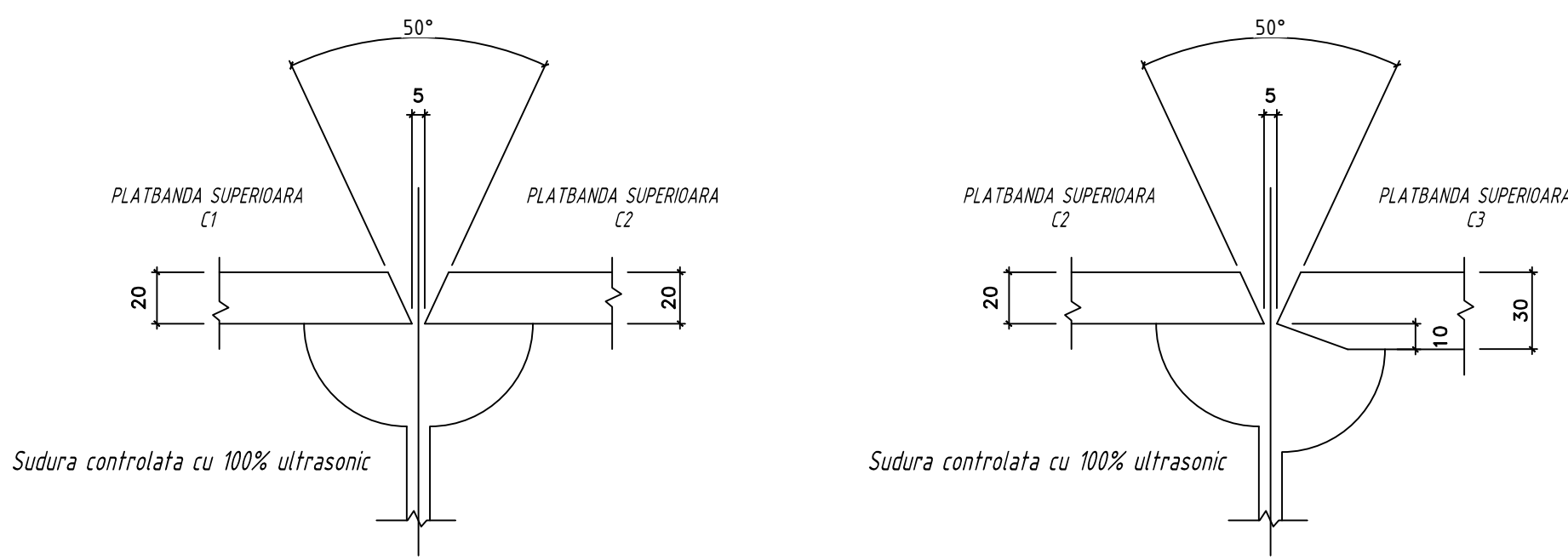
Agregate: Dmax16

Clasa de cloruri: Cl 0,2

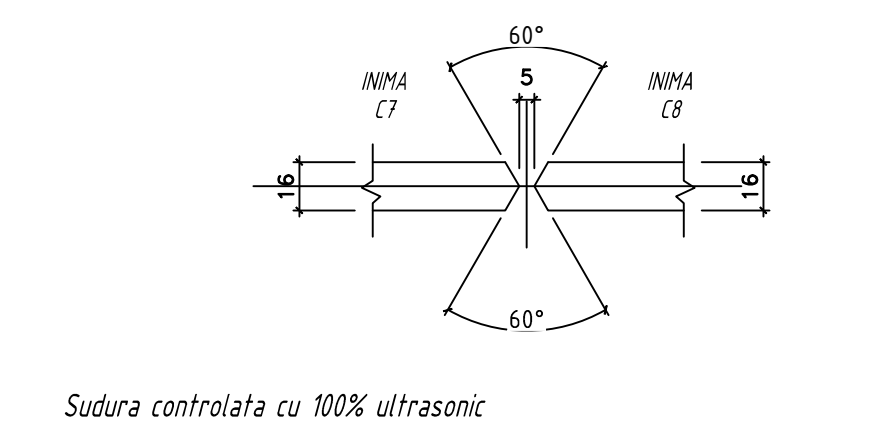
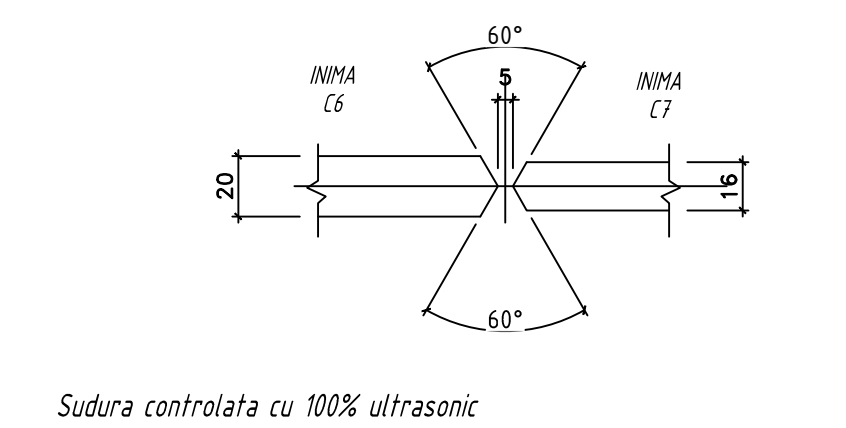
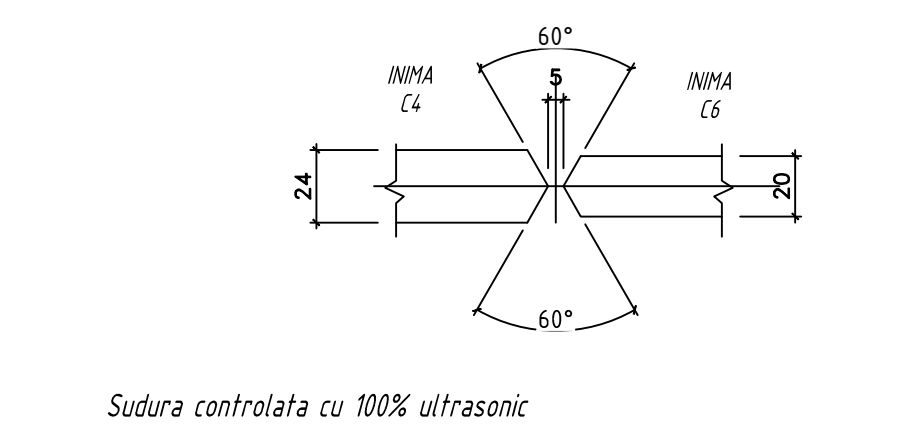
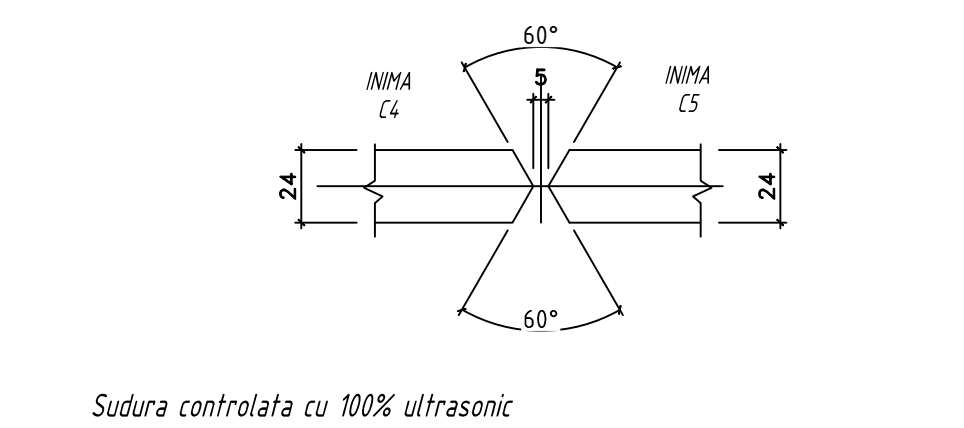
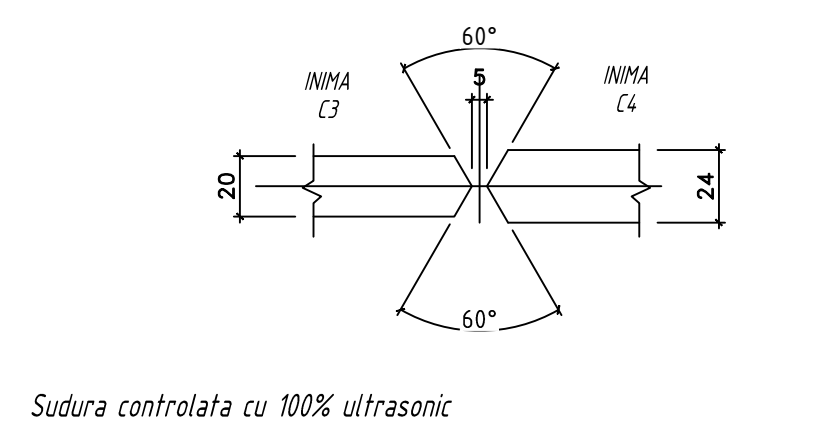
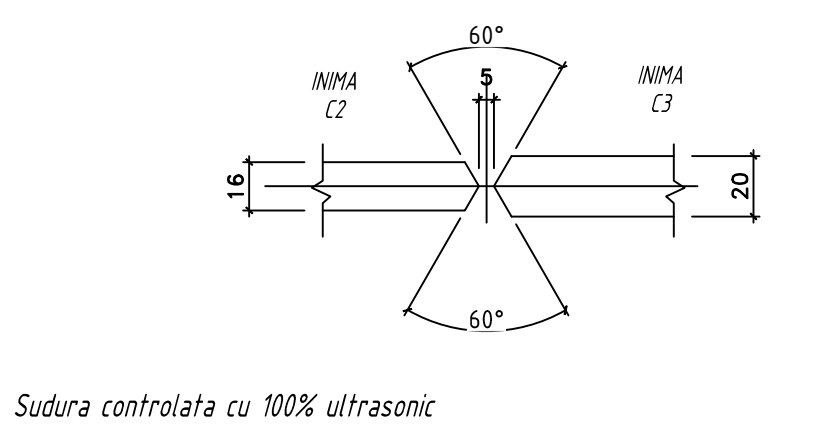
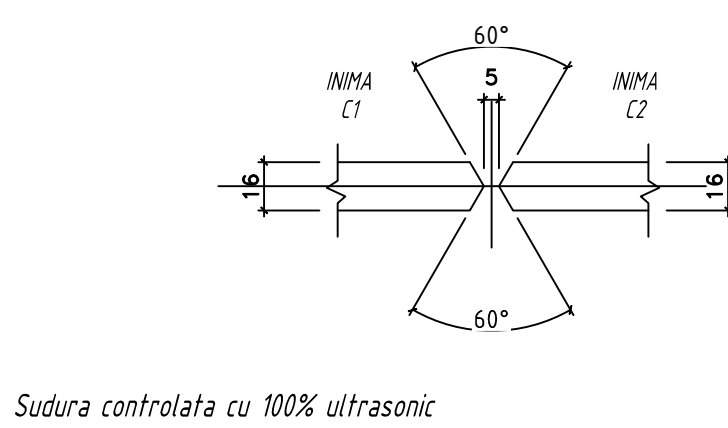
Clasa de consistență: clasa de tasare S4

Acoperirea cu beton: 35 mm

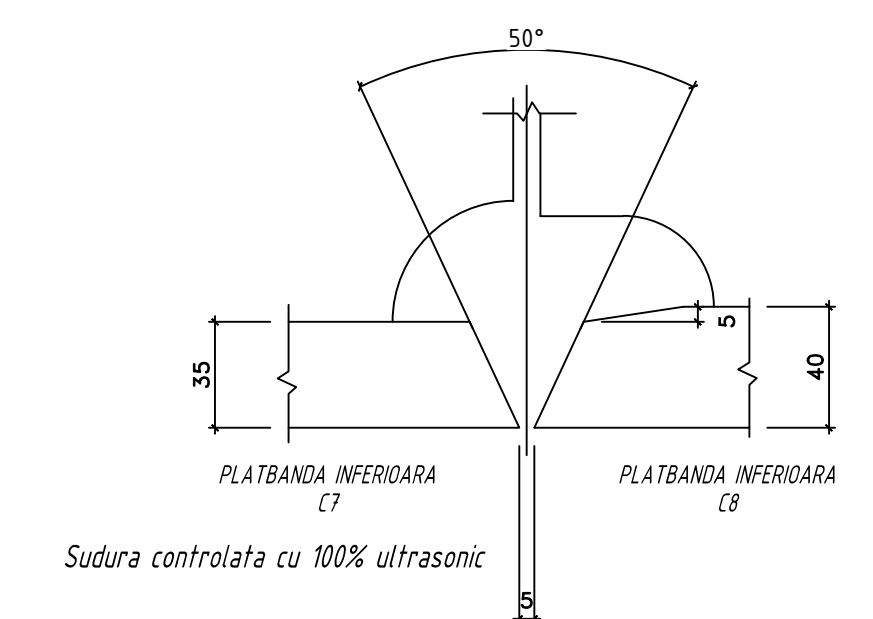
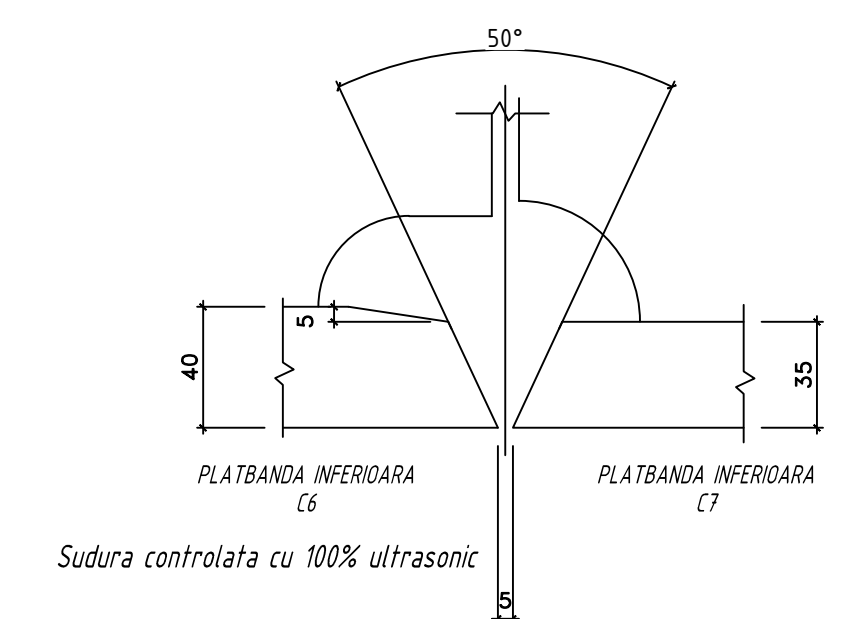
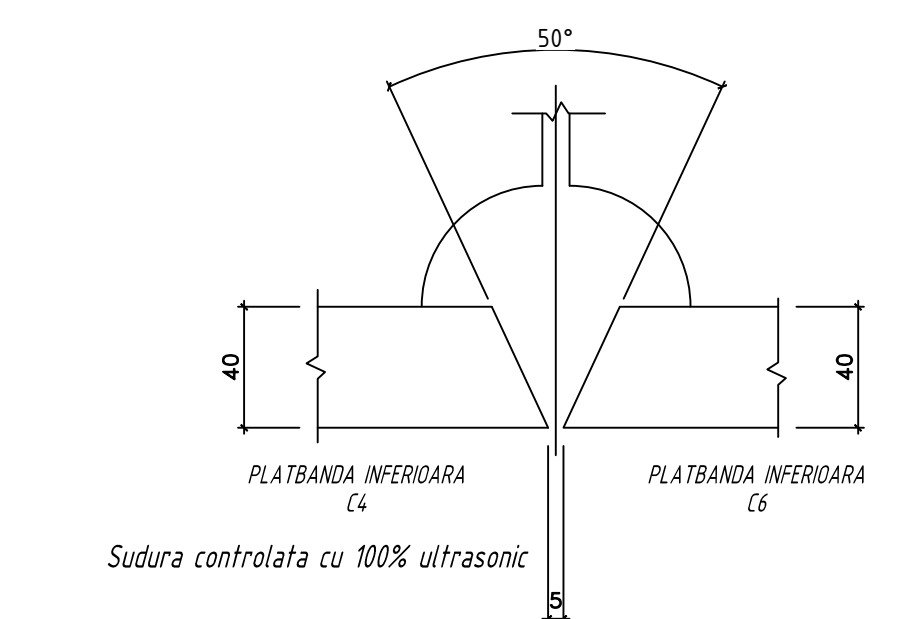
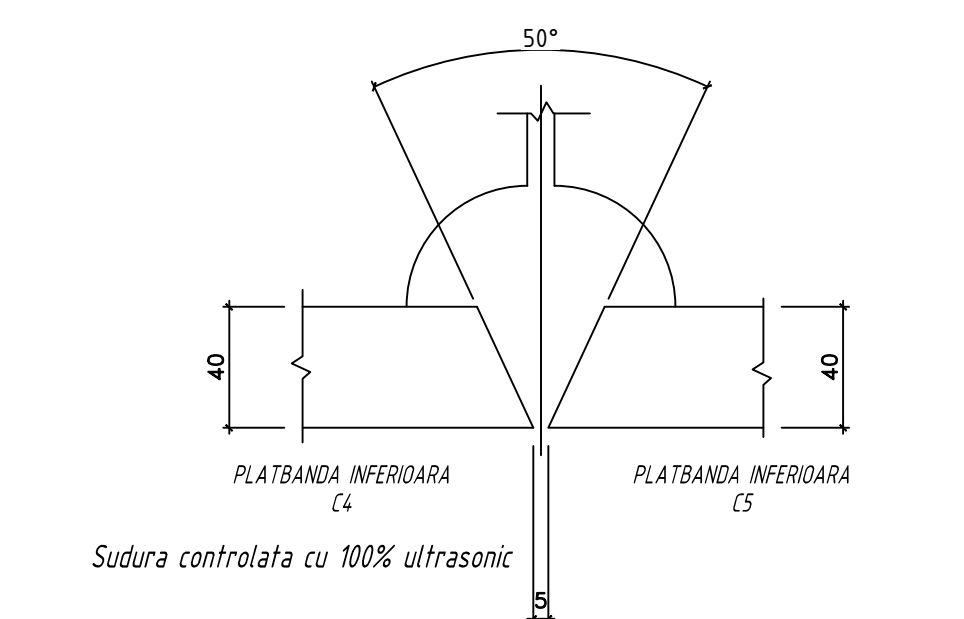
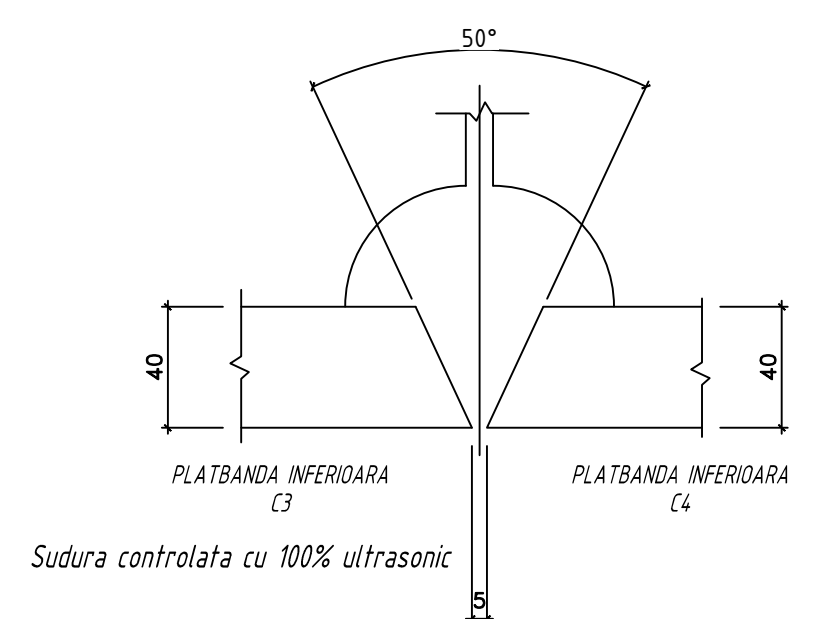
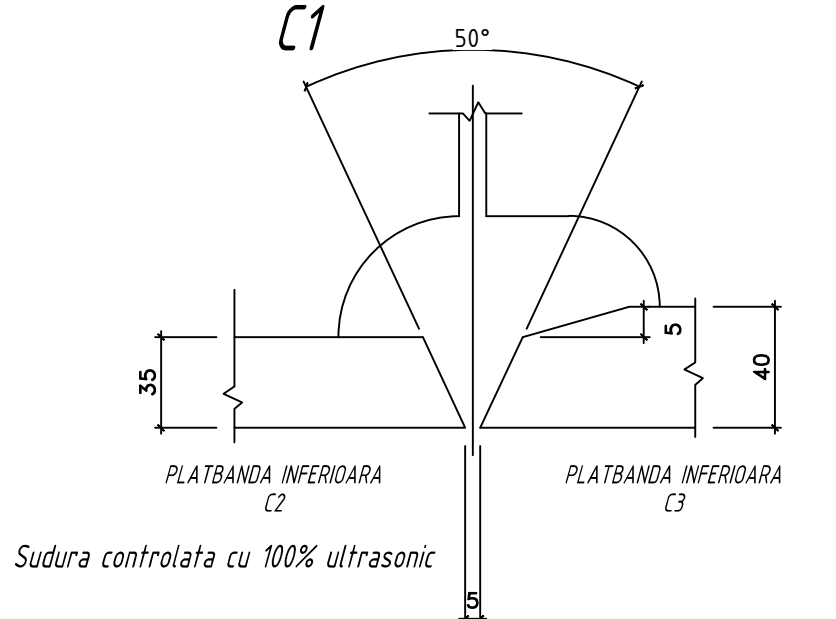
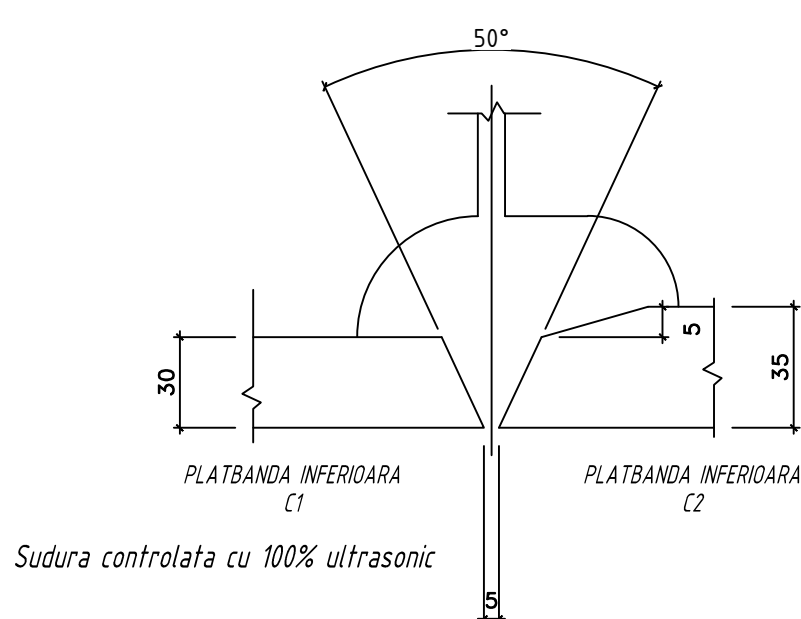
Otel (armare de beton): S500 (BST500C)



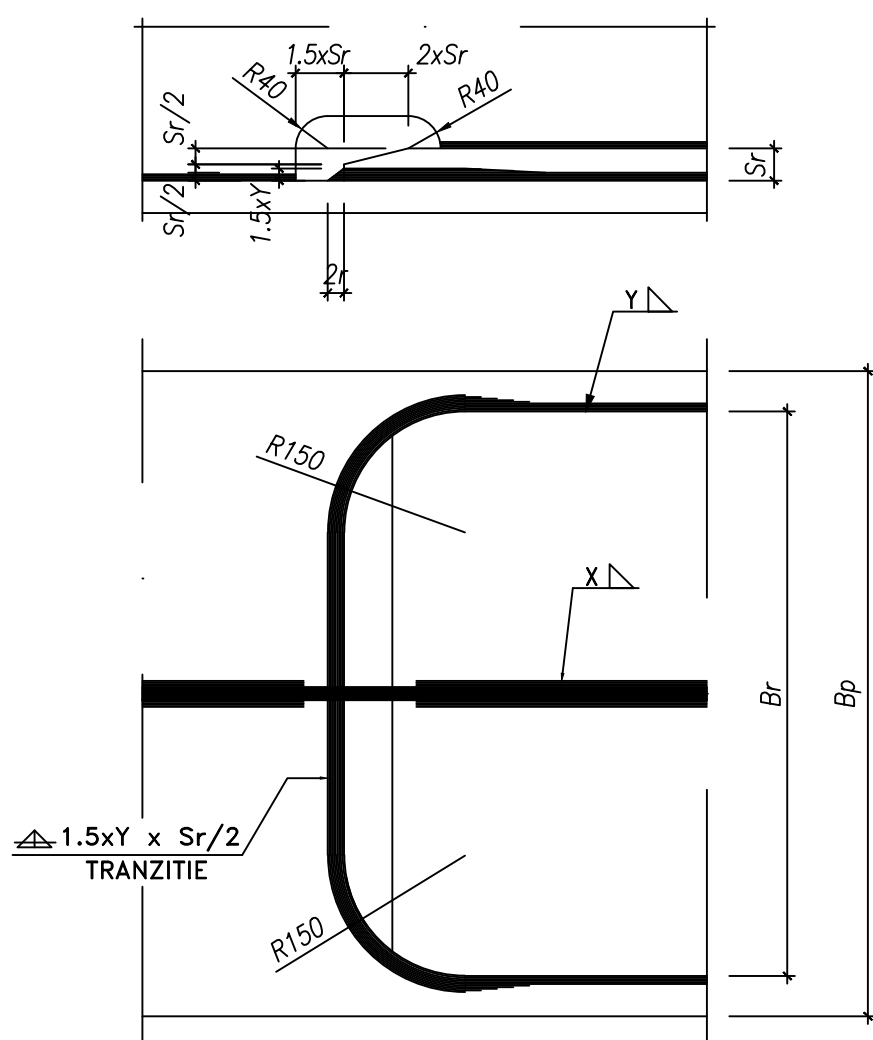
SUDURA INIMA



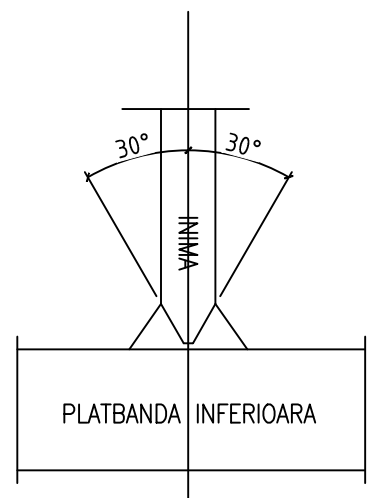
SUDURA PLATBANDA INFERIOARA



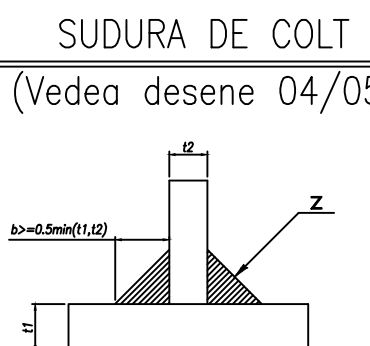
DETALIU IMBINARE PLATBANDA INFERIOARA



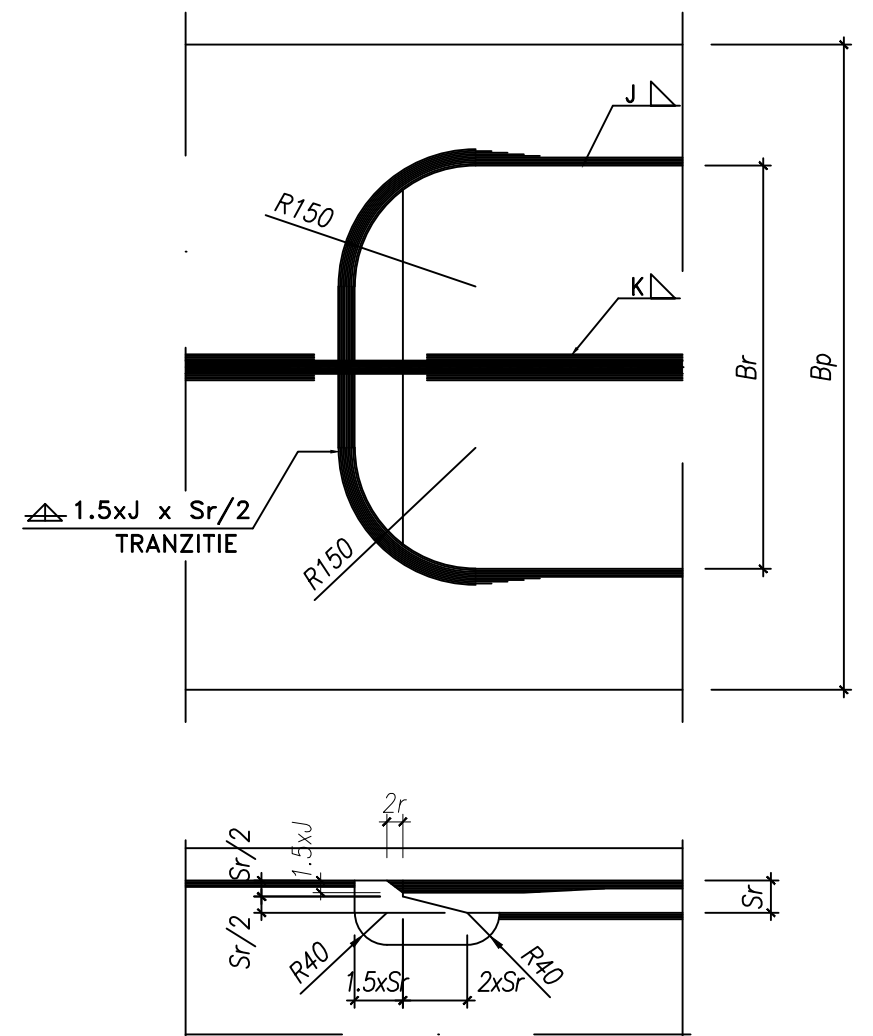
SUDURA – PENETRARE TOTALA (FPW in tabel)
(Vedea desene 04/05– grinda T.5 – tronson C.5)



PIESE TIPUL	C.1	C.2	C.3	C.4	C.5	C.6	C.7	C.8	
ORBITA TIPUL	T.1	T.2	T.3	T.4	T.5	T.6	T.7	T.8	
FLANSA SUPERIOARA	800x20	800x20	900x30	850x40	850x40	800x30	800x30	800x30	
PIETILE	16	16	20	24	24	20	16	16	
FLANSA INFERIOARA	700x30	850x40	850x40	1000x40	1000x40	850x35	850x35	850x40	
PARTEA DE SUDURA	Y	Y	Y	Y	Y	Y	Y	Y	



DETALIU IMBINARE PLATBANDA SUPERIOARA



MATERIALE – RETETE

Structura din oțel EN 10025-5

Pentru fiecare lot de oțel S355J2W+N care vor fi folosiți la construcția elementelor principale ale tablărilor, se vor prezenta certificatele de calitate de la furnizori de oțel, unde vor rezulta parametrii chimici și mecanici conform oțelului QLS2 EP.

Grosimea elementelor sudate ≤ 40 mm S355J2W+N (echivalent OL 52 EP) $f_{yk} > 355$ N/mm²
Unghiular, plăci și altele nu sudate S355J2W+N (echivalent OL 52 EP) $f_{yk} > 355$ N/mm²
SUDĂRI: În conformitate cu prevederile EN 1993-1-8
Grosimea sudurii $\geq \frac{1}{2} \sqrt{L}$ (vezi tabelele. Altfel $L > 0,5 \cdot t$ (t =grosimea flanșei))

SURUBURI

Surub categoria 10.9 (EN 14399-4 HV-K1)
Plăcuța categoria 80 (EN 14399-4 HV-K1)
Sobe din oțel (EN 14399-6 HV-K1)
Pretensionare: M16 N_s = 110 kN
Pretensionare: M24 N_s = 247 kN
Pretensionare: M27 N_s = 321 kN

SIMBOLICI

SURUBURI M16 SURUBURI M20 SURUBURI M24 SURUBURI M27 CONECTORI Ø 22
Foraj diametru pentru asamblările filetate:
gaura Ø la 20 mm +1 mm
gaura Ø peste 20 mm +1.5 mm

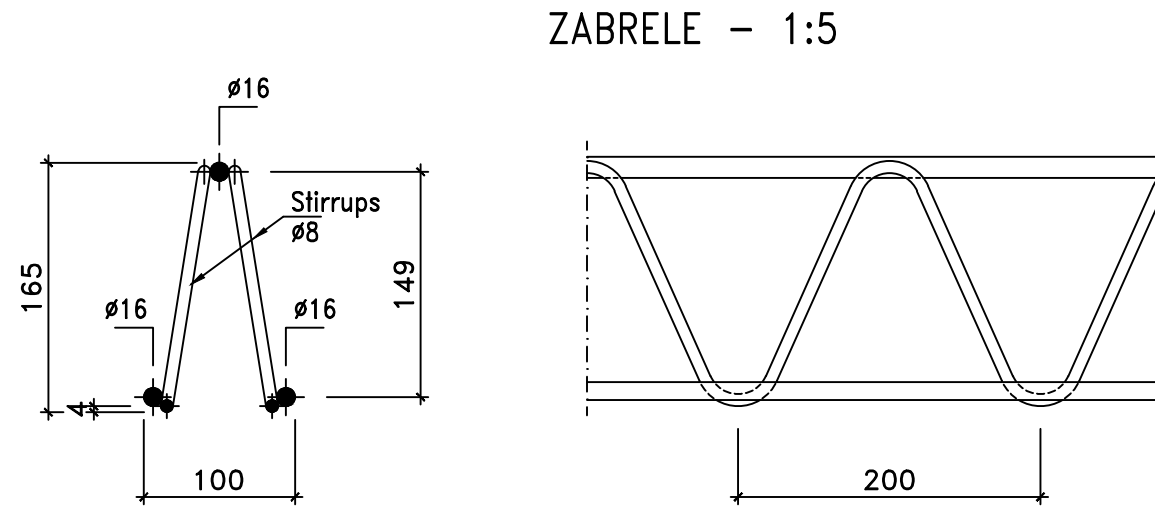
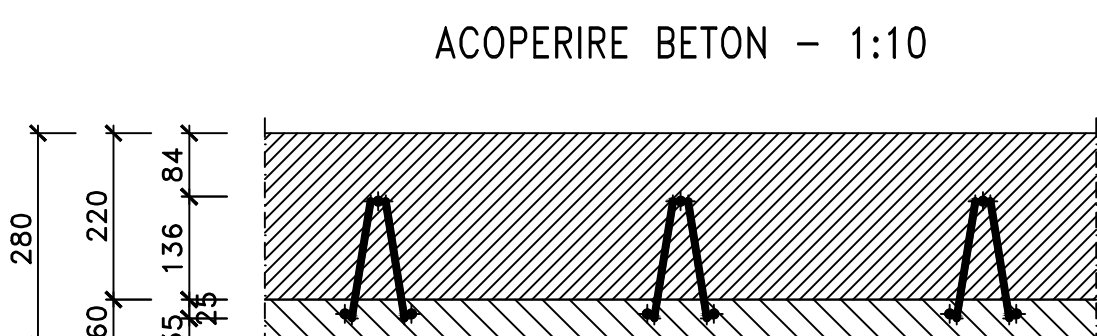
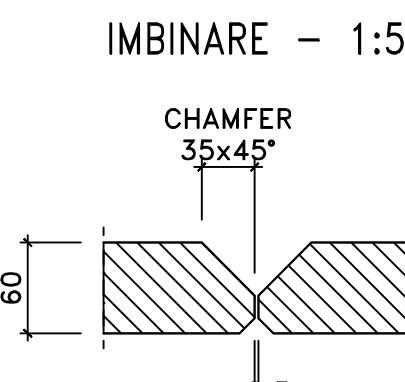
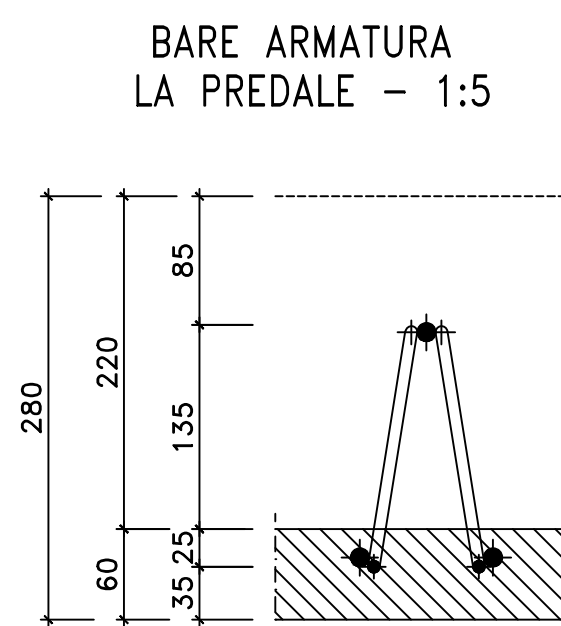
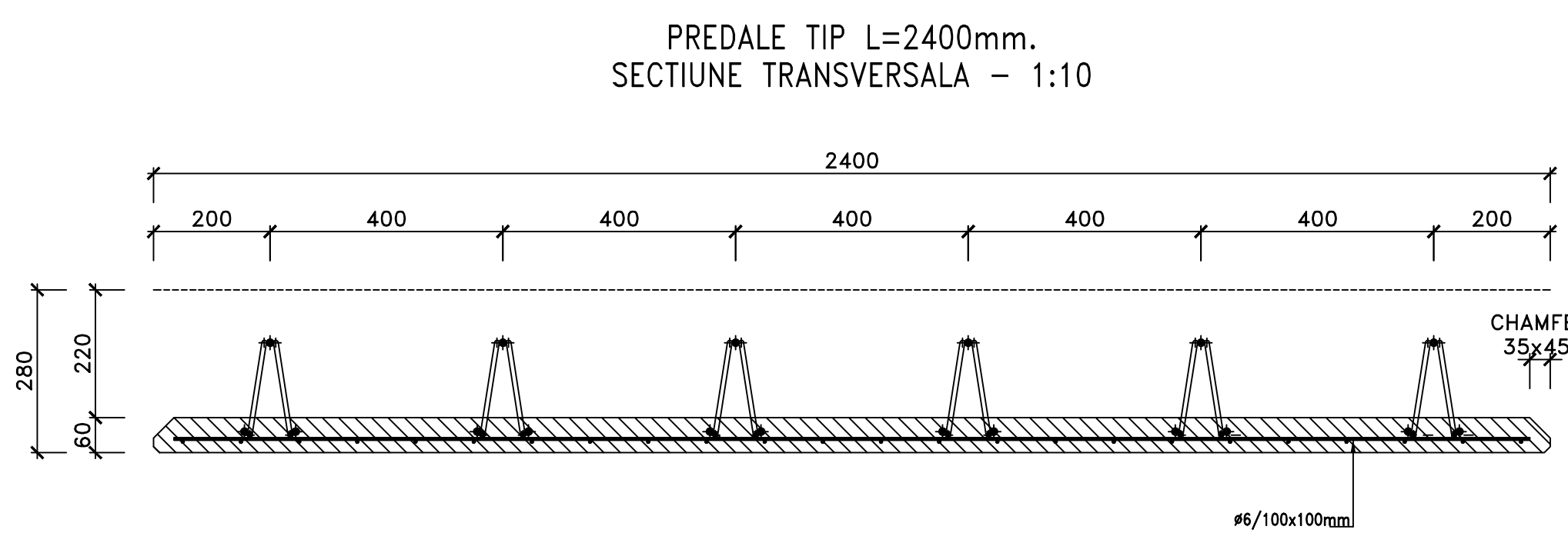
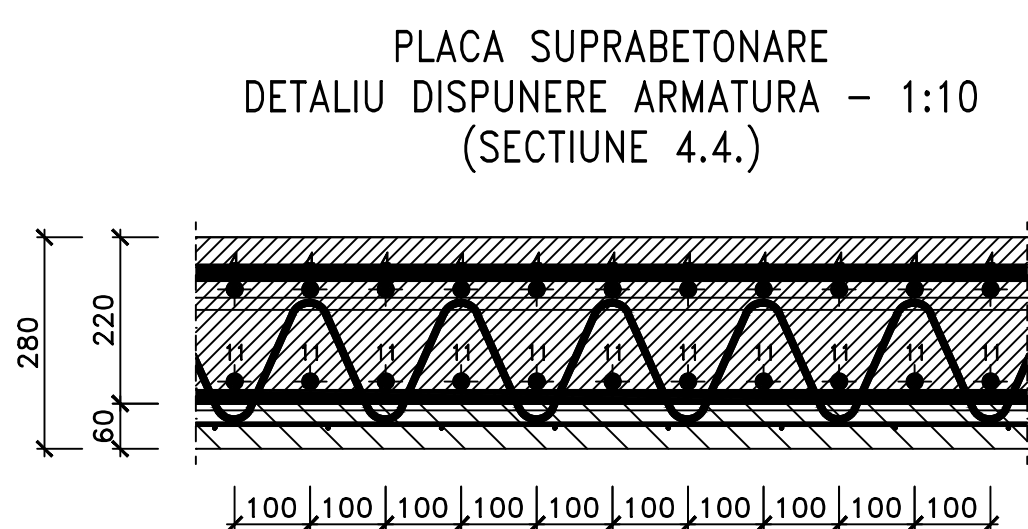
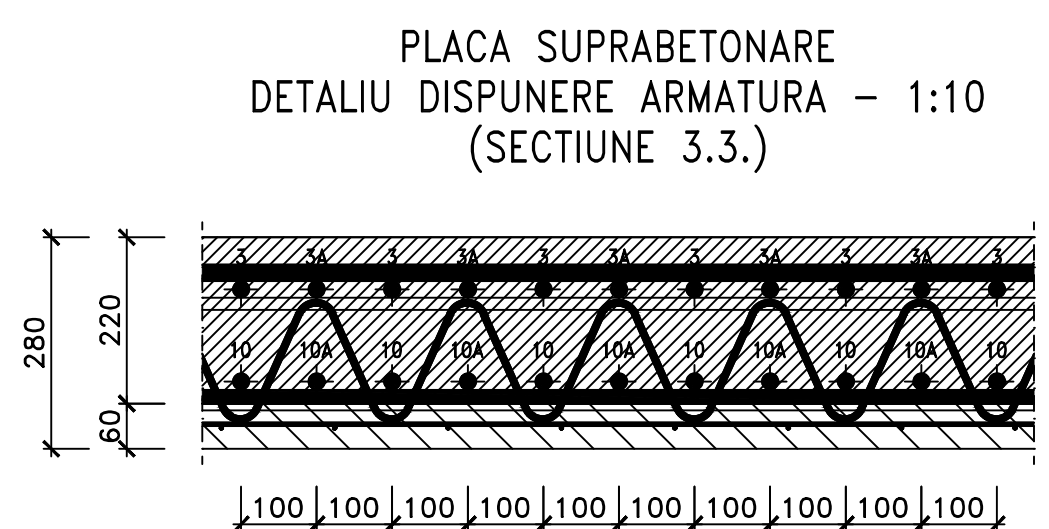
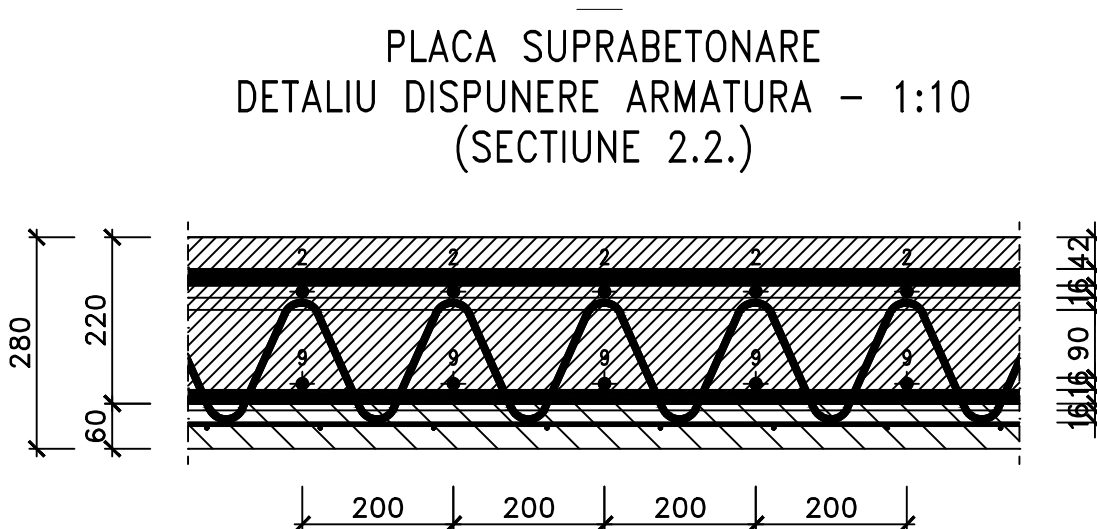
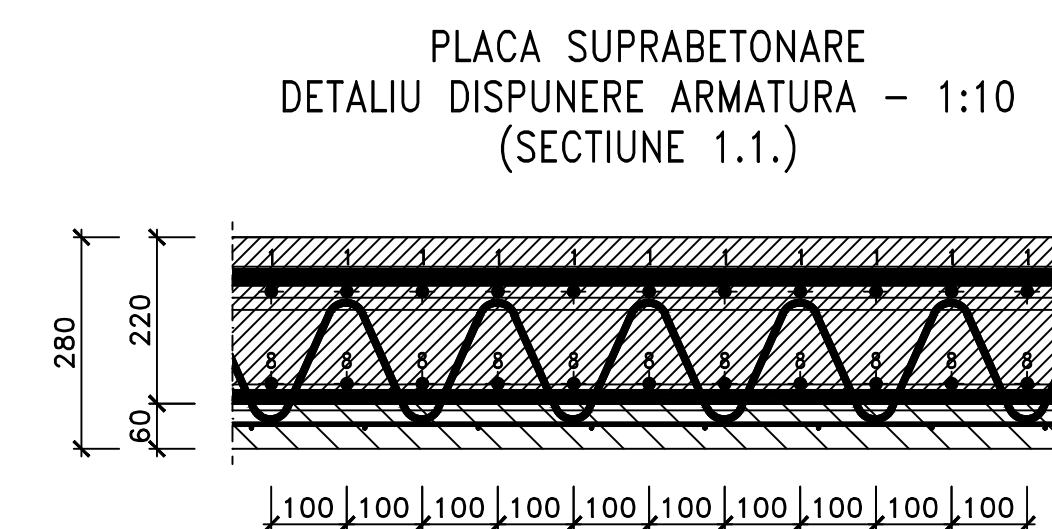
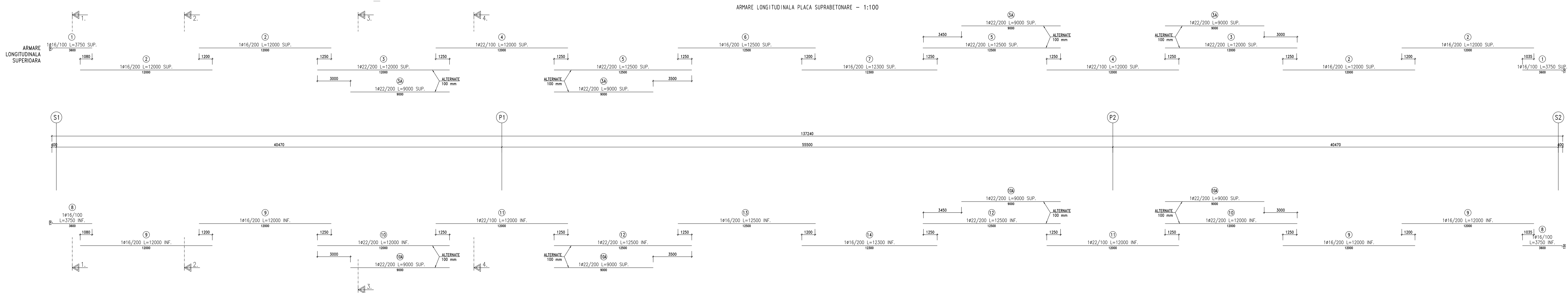
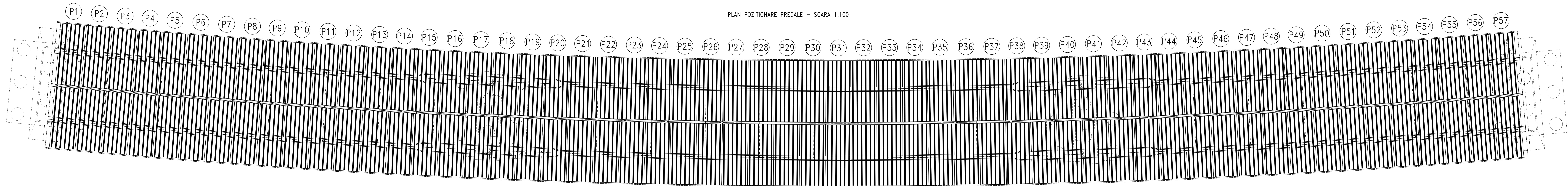
CONECTORI

Conectori de tip "Nelson" Ø 22 mm (7/8") $h = 175$ mm
Oțel EN10025 EN10024 S235 J2 G3 + C450
 $f_{yk} > 350$ N/mm²
 $f_{tk} > 450$ N/mm²
Elongație $> 15\%$

NOTE

- 1 Uzina care executa tablierul, va executa si imbinarile prin sudura pe santier
- 2 Sudurile in X si Y cap la cap de pe tronsoane vor fi controlate cu 100% ultrasonic
- 3 Toate celelalte suduri vor fi controlate cu 100% visual si 25% magnetoscopic

INVESTITOR CORPORATIUNEA INFRASTRUCTUREI	PROIECTANT GENERAL D.P. CONSULT S.A.	AMPLASAMENT TIMISOARA	DESCRIERE PROIECT PROIECTARE SI EXECUTIE "VARIANTA DE OCURIRE TIMISOARA 2007" ELABORARE PROIECT TEHNIC REST DE EXECUTAT NUMAR CONTRACT: 000/05.02.2023 NUMAR PROIECT: 556	FAZA PROIECT PROIECT TEHNIC REST DE EXECUTAT Data: 03.2023 VERIFICATOR TEHNIC	Manager de Proiect Ing. Silvan Mădărian Sef Echipa Proiectare Ing. Raul Coste Inginer Proiectant Proiecti Ing. Adina Takacs Inginer Proiectant Ing. Teodor Sabădas	REVIZII Nr. REV. DATA SEMN.	DENUMIRE PLANSĂ PASAJUL 1+08 PIEȘTE DE 132 TIMISOARA VEST-CALCIENI DETALII SUDURI Scrie: NUMAR PLANSĂ 10036-VOTM-STRI2-SM-29
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ARMARE PLACA SUPRABETONARE - LONGITUDINAL SUPERIOR			
MARKA	#/INTERAX mm	LUNGIME mm	CANTITATE h.
1	1#16/100	3750	234
2	1#16/200	12000	240
3	1#22/200	12000	118
3A	1#22/200	9000	236
4	1#22/100	12000	236
5	1#22/200	12500	118
6	1#16/200	12500	60
7	1#16/200	12300	60

ARMARE PLACA SUPRABETONARE - LONGITUDINAL INFERIOR			
MARKA	#/INTERAX mm	LUNGIME mm	CANTITATE h.
8	1#16/100	3750	234
9	1#16/200	12000	240
10	1#22/200	12000	118
10A	1#22/200	9000	236
11	1#22/100	12000	236
12	1#22/200	12500	118
13	1#16/200	12500	60
14	1#16/200	12300	60








N.B. CHECK WITH SUPPLIER OF PREDALE THAT THE POSITION OF CONNECTORS IS COMPATIBLE WITH THE POSITION OF STEEL TRUSS

C35/45 - Placa de suprabetonare
Conform NE 012-1:2007 / SR EN 206-1
Clasa de expunere: XC3 (R0)
Agregate: Dmax20
Clasa de cloruri: Cl 0,2
Clasa de consistenta: clasa de tasare S4
Acoperirea cu beton: ≥35 mm
Otel (armare de beton): S500 (BST500C)

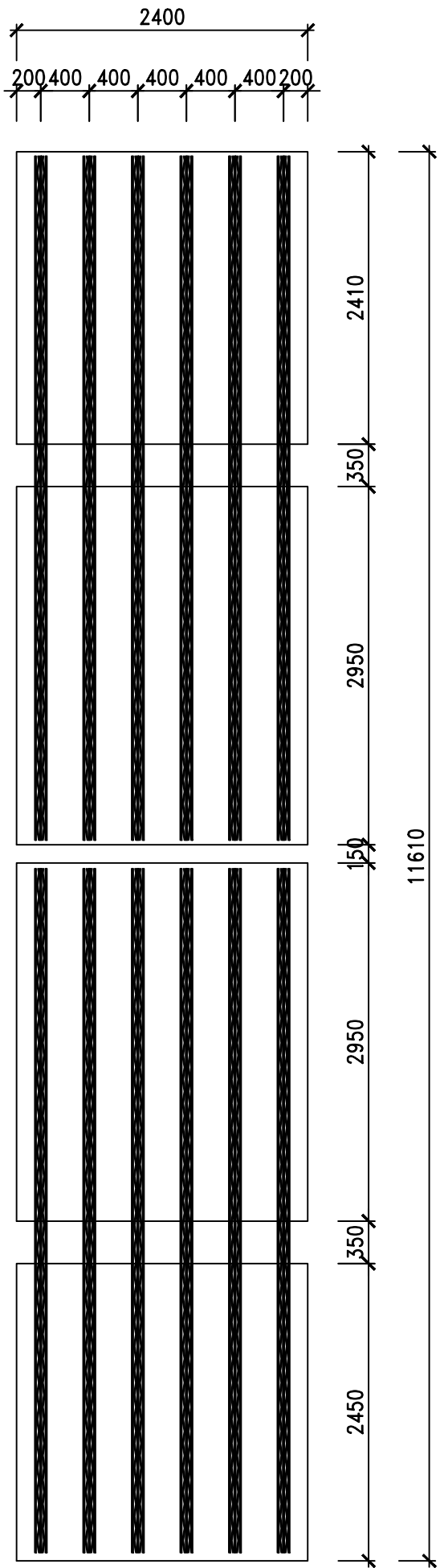
C35/45 - Trotuar
Conform NE 012-1:2007 / SR EN 206-1
Clasa de expunere: XC4+XF4+XD1 (R0)
Agregate: Dmax20
Clasa de cloruri: Cl 0,2
Clasa de consistenta: clasa de tasare S4
Acoperirea cu beton: 40 mm
Otel (armare de beton): S500 (BST500C)

C35/45 - Dale prefabricate
Conform NE 012-1:2007 / SR EN 206-1
Agregate: Dmax16
Clasa de cloruri: Cl 0,2
Clasa de consistenta: clasa de tasare S4
Acoperirea cu beton: 35 mm
Otel (armare de beton): S500 (BST500C)

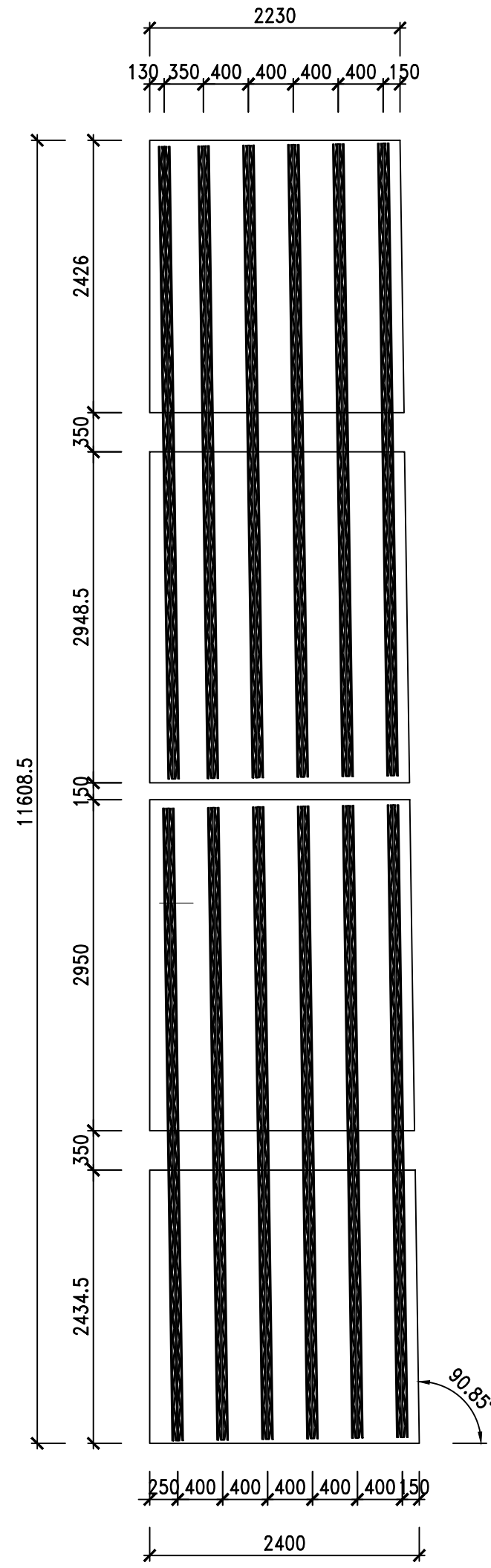


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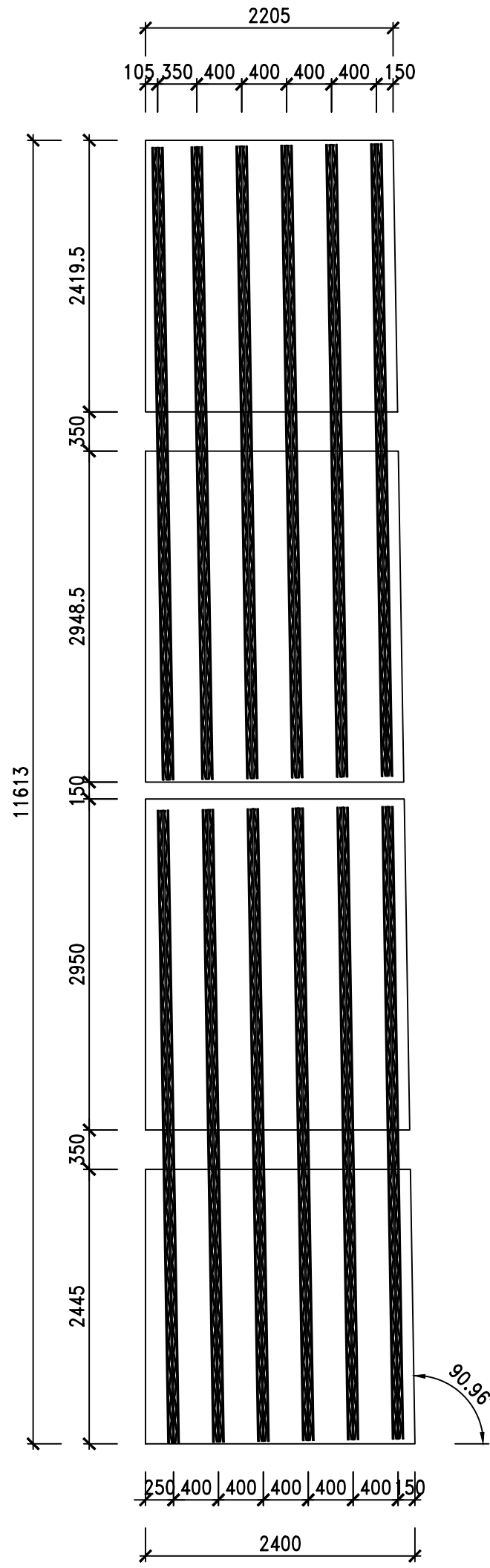
PREDALE TIP
P1-P2-P3-P5-P6-P7-P8 - 1:50



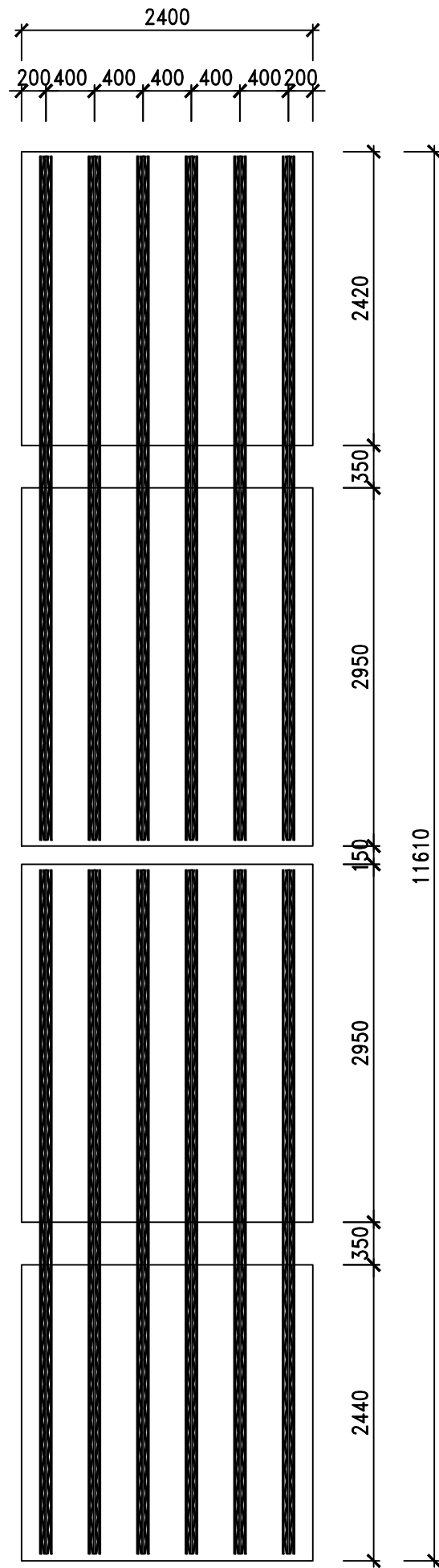
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P4 - 1:50



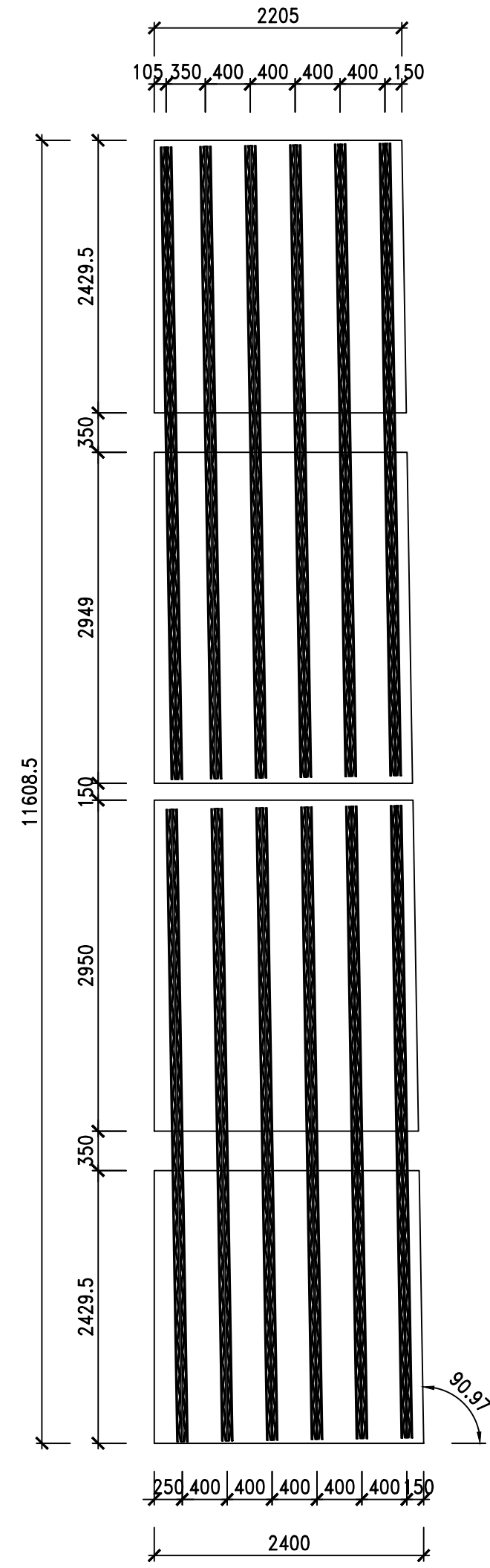
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P9 - 1:50



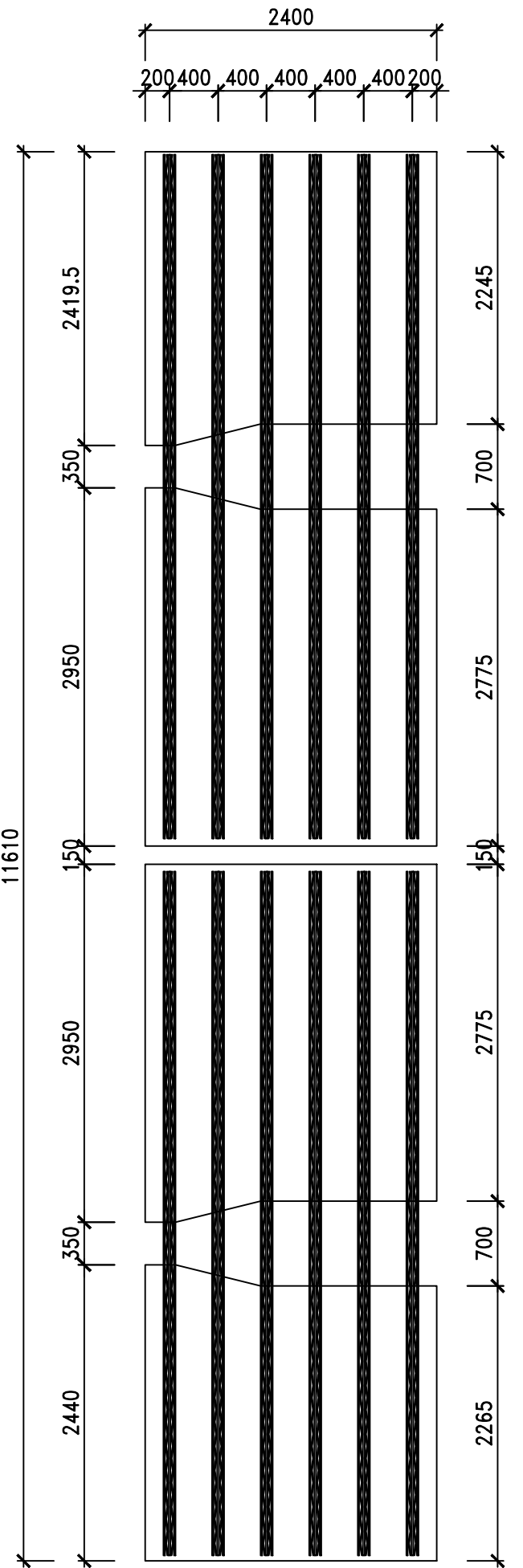
PREDALE TIP
P10-P11-P12-P13 - 1:50



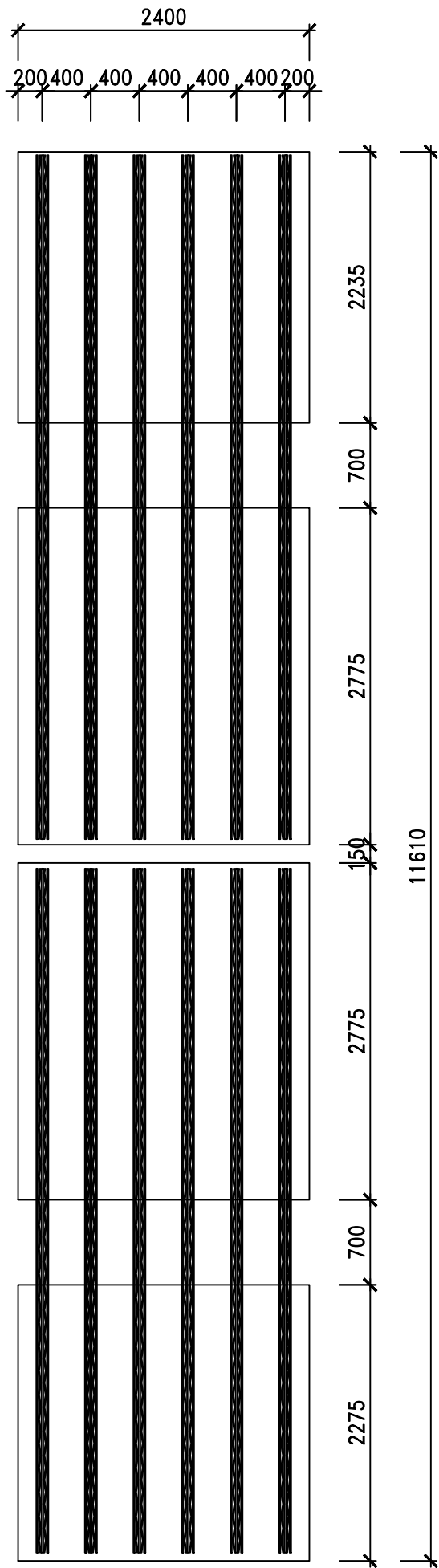
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P14 - 1:50



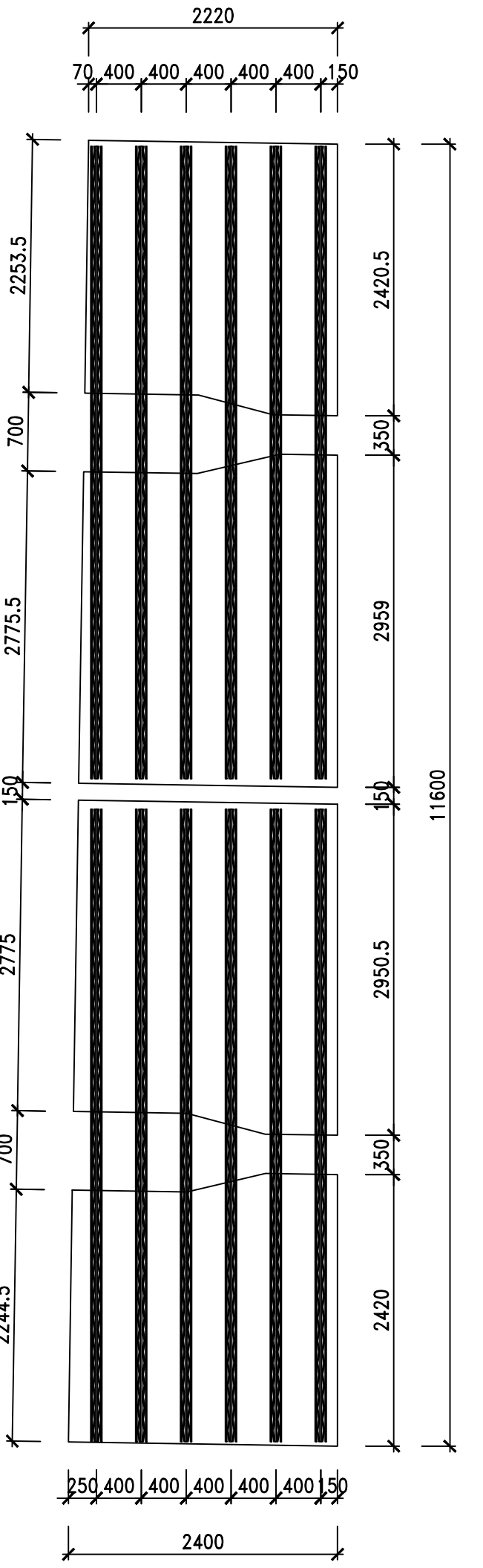
PREDALE TIP
P15 - 1:50



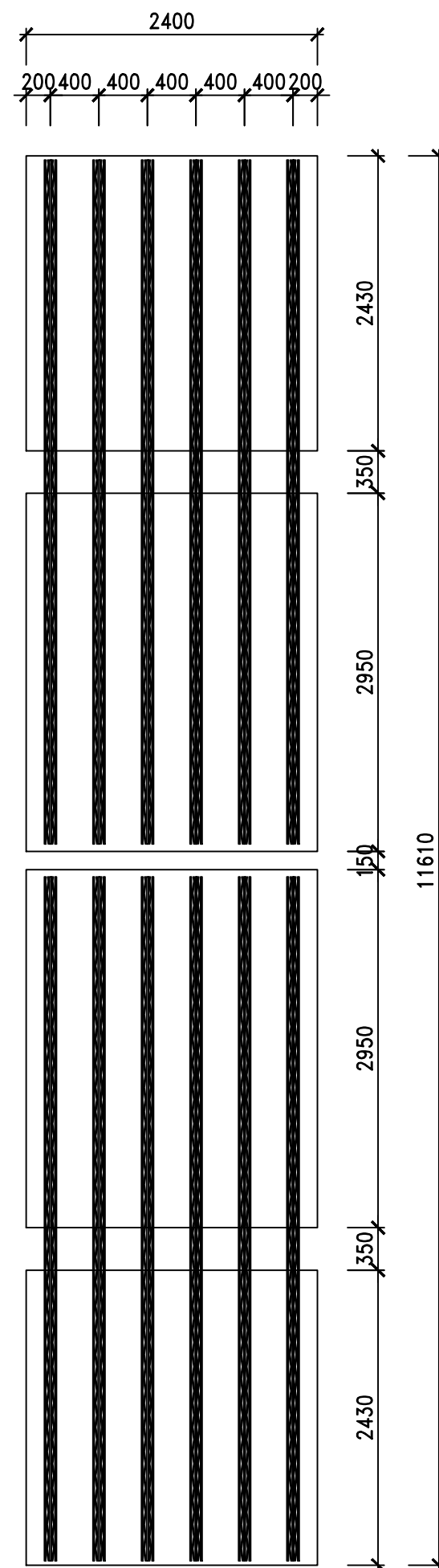
PREDALE TIP
P16-P17-P18-P19-P39
P40-P41-P42 - 1:50



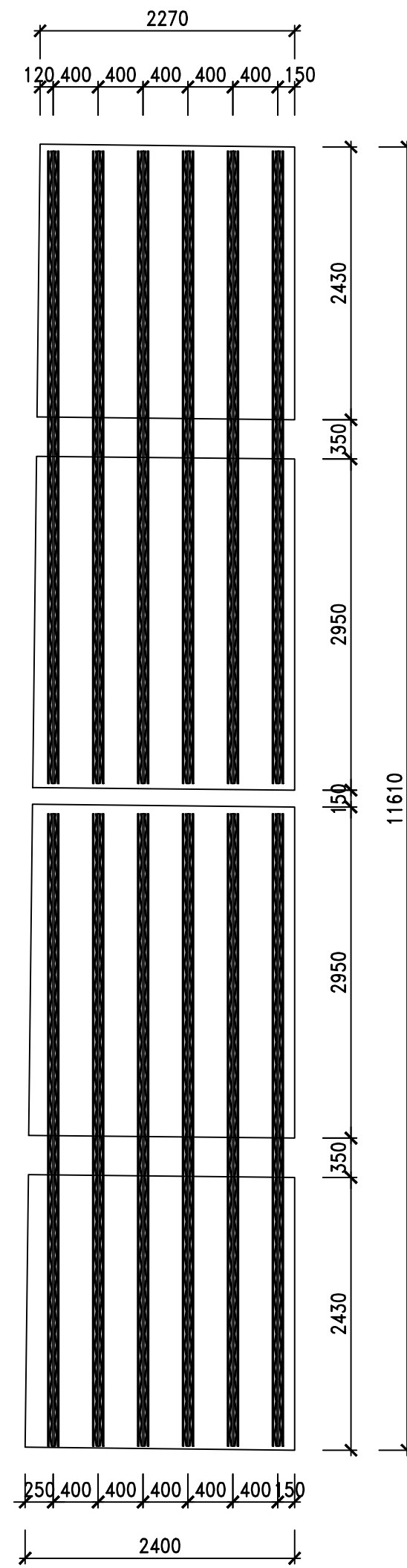
PREDALE TIP
P20 - 1:50



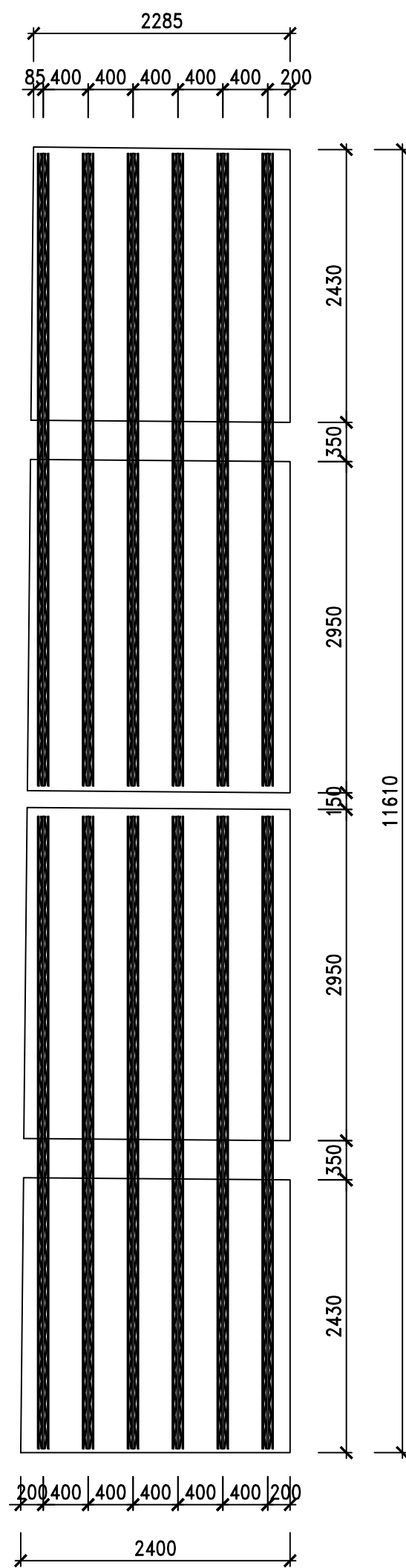
PREDALE TIP
P21-P22-P23-P25-P26-P28
P29-P30-P32-P33 - 1:50



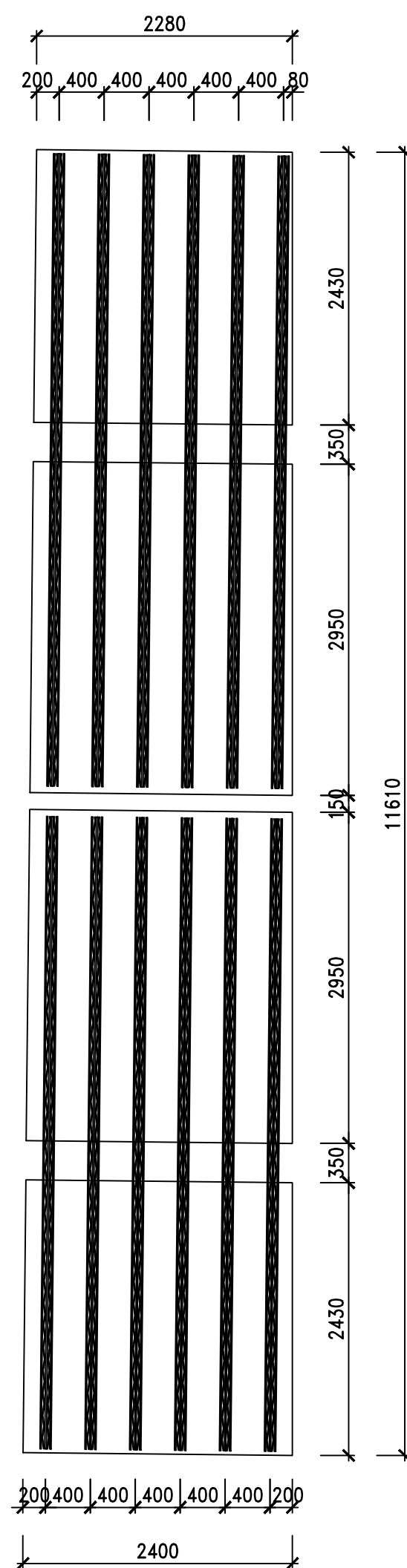
PREDALE TIP
P24 - 1:50



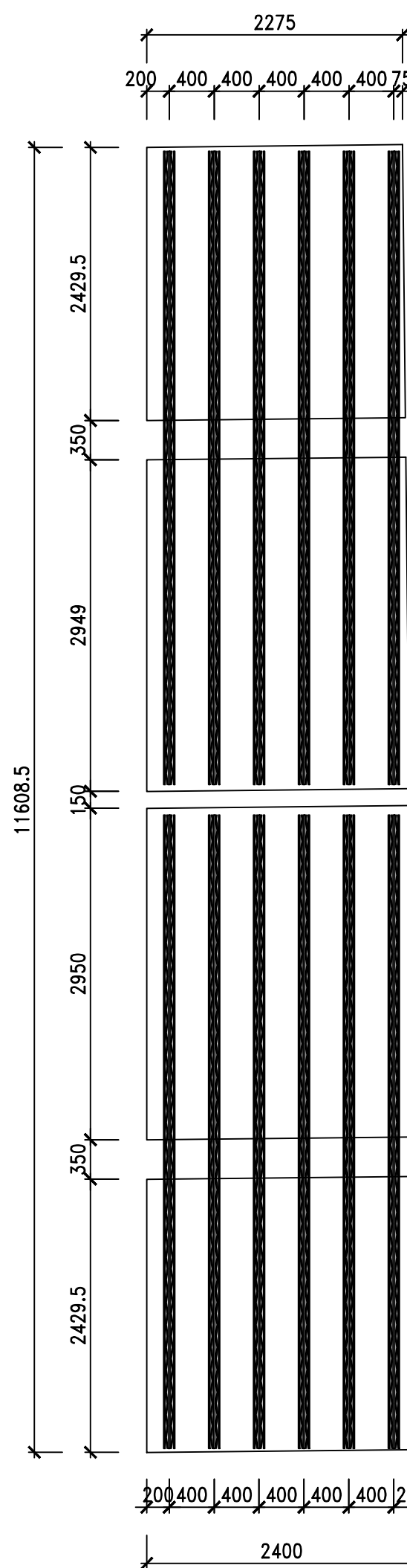
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P27 - 1:50



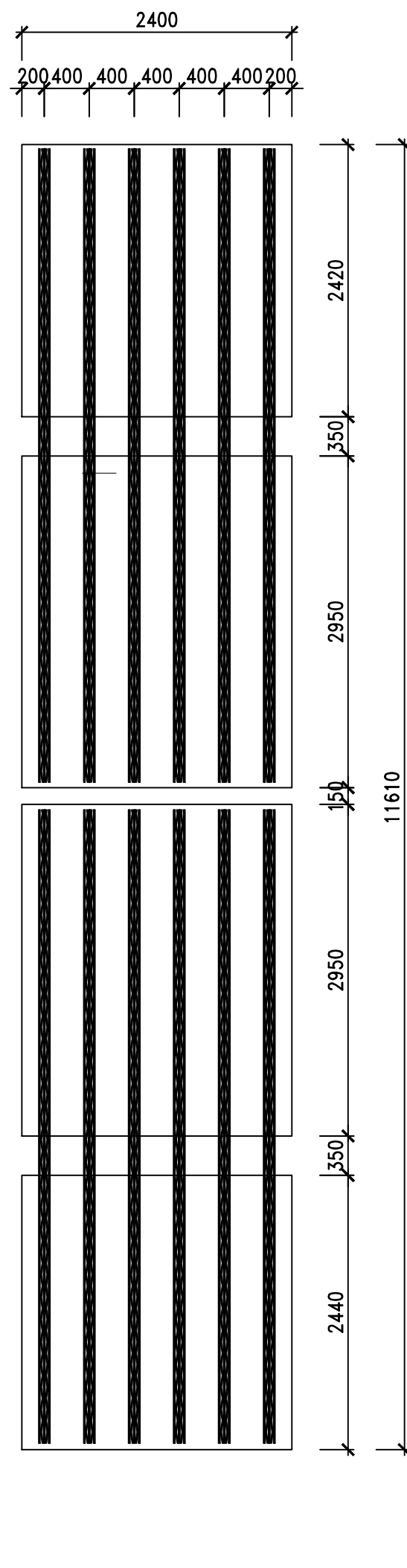
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P31 - 1:50



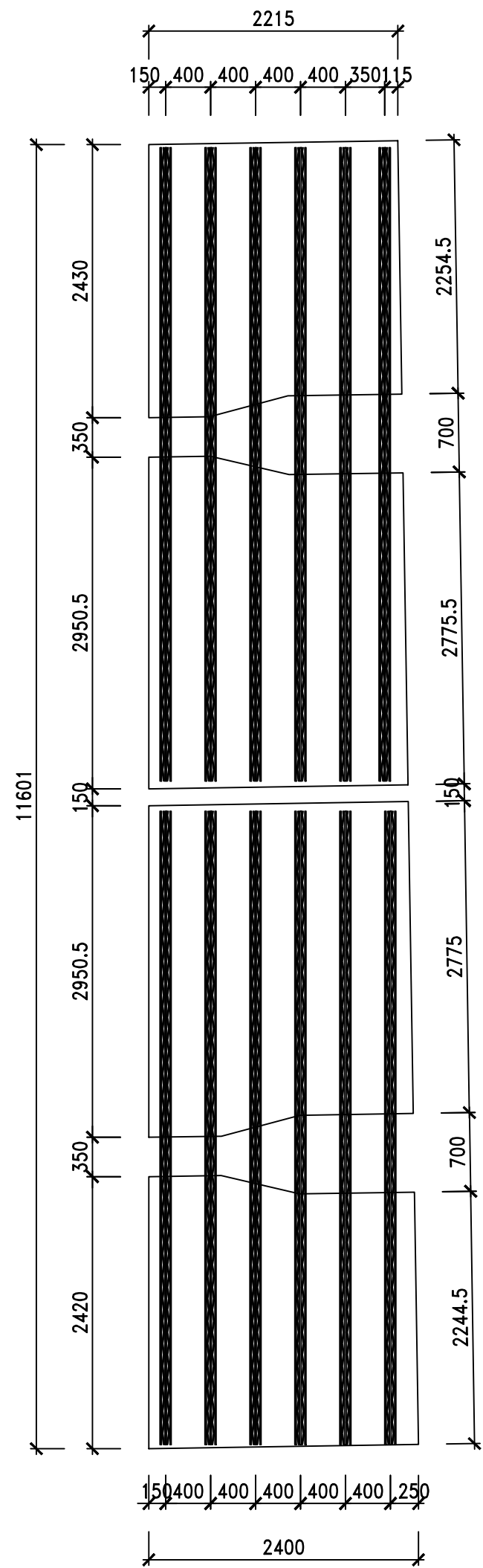
PREDALE TIP
P34 - 1:50



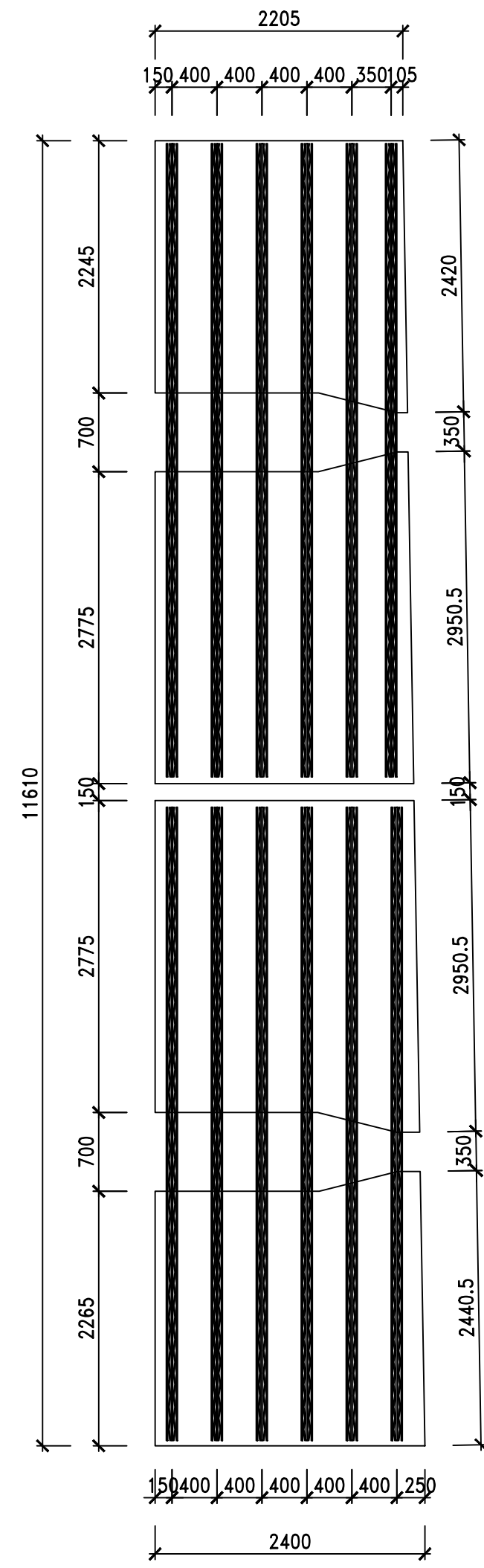
PREDALE TIP
P35-P36-P37-P44-P45-P46
P47-P49-P50-P51-P52-P53-P55
P56-P57 - 1:50



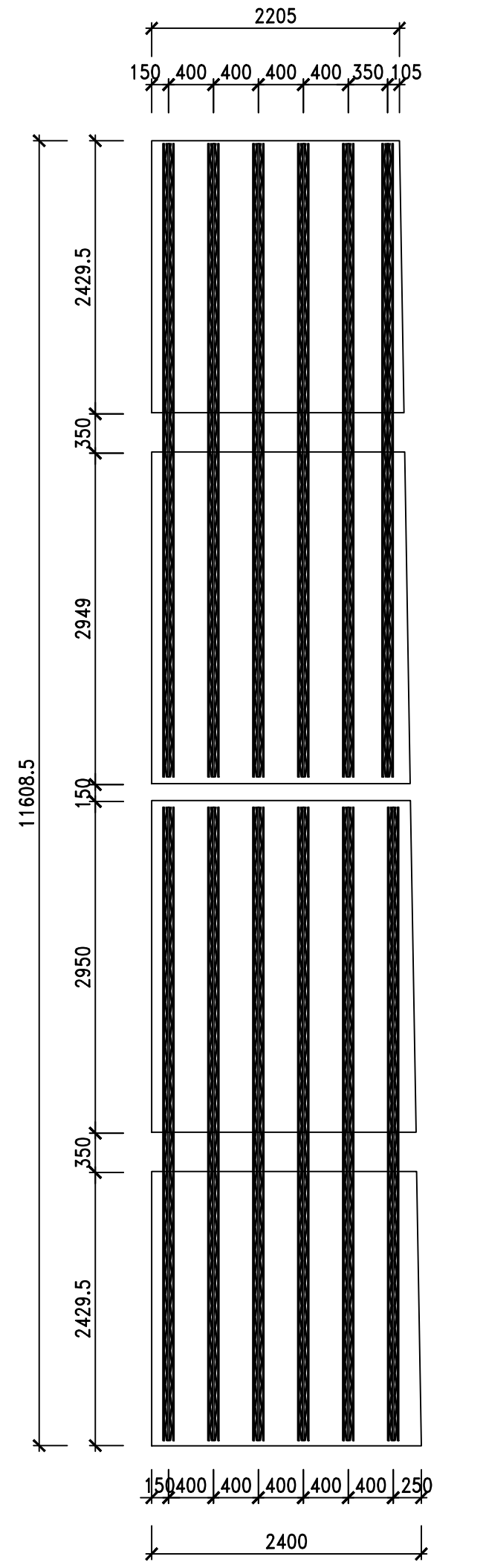
PREDALE TIP
P38 - 1:50



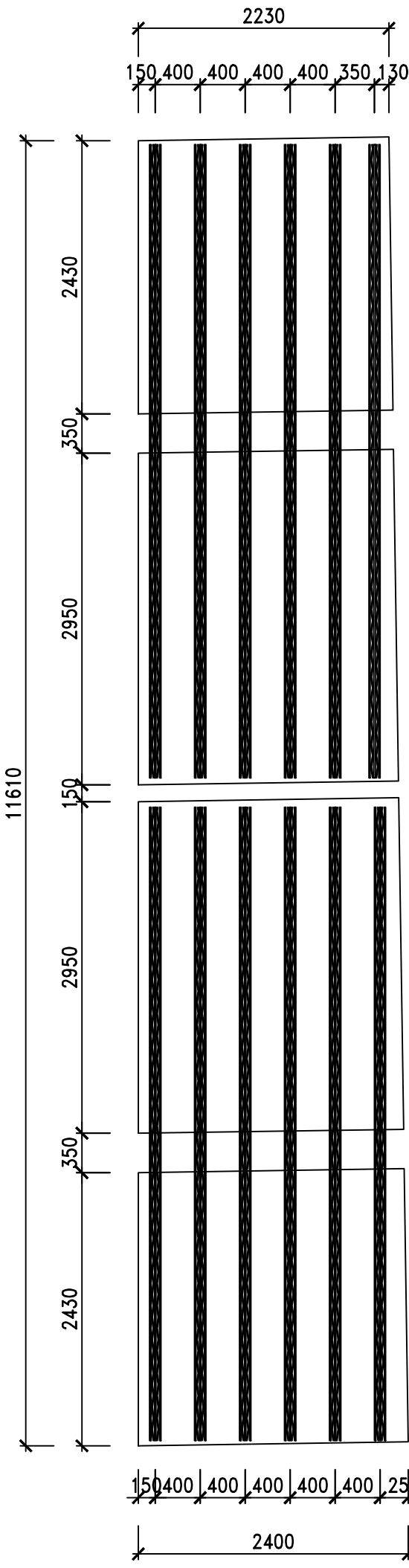
PREDALE TIP
P43 - 1:50



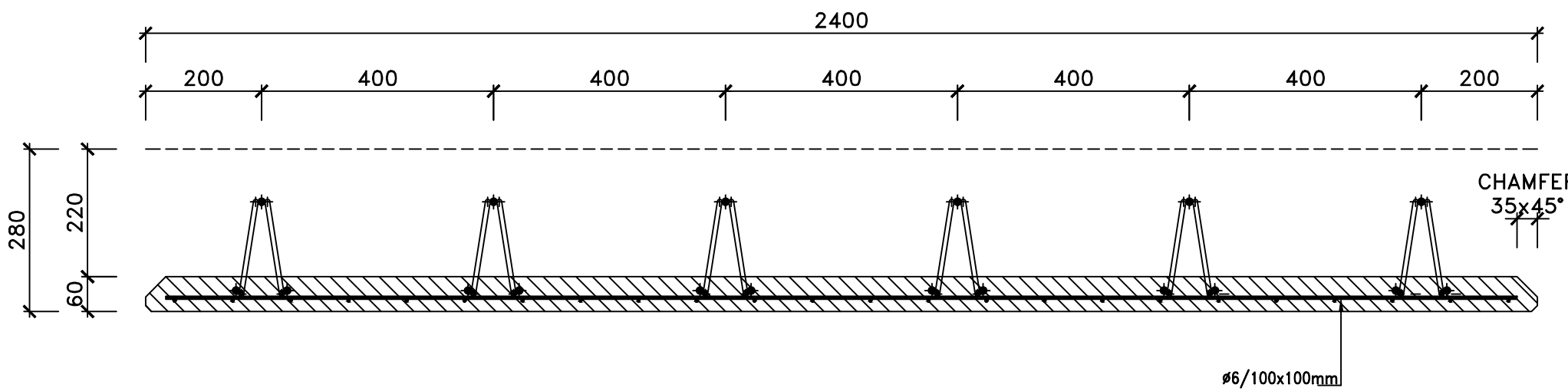
PREDALE TIP
P48 - 1:50



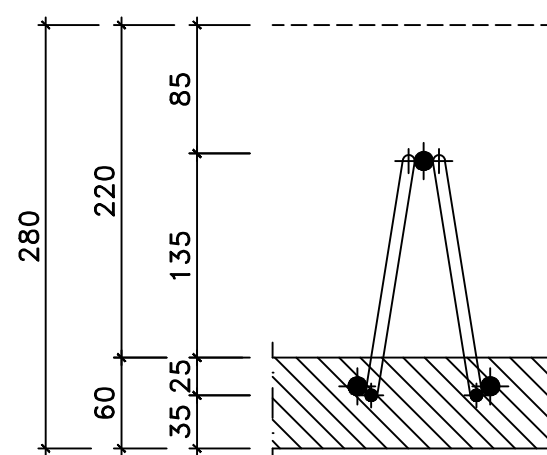
PREDALE TIP
P54 - 1:50



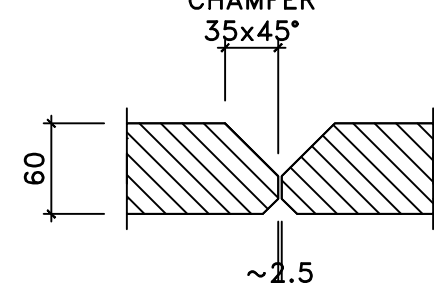
PREDALE TIP L=2400mm.
SECTIUNE TRANSVERSALA - 1:10



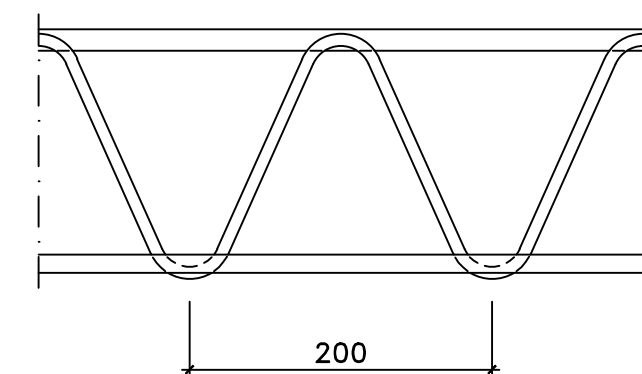
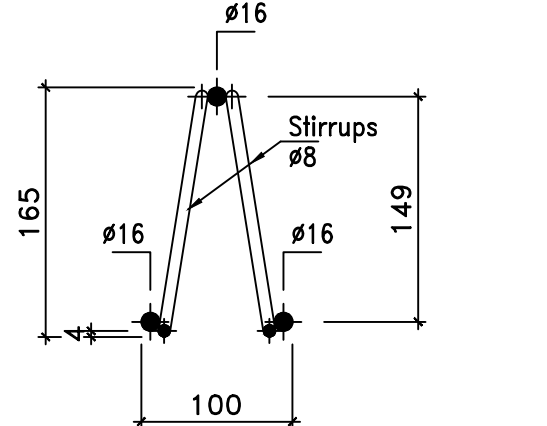
BARE ARMATURA
LA PREDALE - 1:5



IMBINARE - 1:5



ZABRELE - 1:5



N.B. CHECK WITH SUPPLIER OF PREDALE
THAT THE POSITION OF CONNECTORS
IS COMPATIBLE WITH THE POSITION OF
STEEL TRUSS

C35/45 - Placa de suprabetonare
Conform NE 012-1:2007 / SR EN 206-1
Clasa de expunere: XC3 (RO)
Agregate: Dmax20
Clasa de cloruri: Cl 0,2
Clasa de consistență: clasa de tasare S4
Acoperirea cu beton: ≥35 mm
Otel (armare de beton): S500 (BST500C)

C35/45 - Trotuar
Conform NE 012-1:2007 / SR EN 206-1
Clasa de expunere: XC4+XF4+XD1 (RO)
Agregate: Dmax20
Clasa de cloruri: Cl 0,2
Clasa de consistență: clasa de tasare S4
Acoperirea cu beton: 40 mm
Otel (armare de beton): S500 (BST500C)

C35/45 - Dale prefabricate
Conform NE 012-1:2007 / SR EN 206-1
Clasa de expunere: XD3 (RO)
Agregate: Dmax16
Clasa de cloruri: Cl 0,2
Clasa de consistență: clasa de tasare S4
Acoperirea cu beton: 35 mm
Otel (armare de beton): S500 (BST500C)



INVESTITOR	PROIECTANT GENERAL	AMPLASAMENT	CONDIȚIILE ȘI SCHEMA PROIECTARE ȘI EXECUȚIE "VARIANTA DE OCULIRE TIRBORDA MUD" ELABORARE PROIECT TEHNIC REST DE EXECUTAT	TACĂ PROIECT PROIECT TEHNIC REST DE EXECUTAT	Manager de Proiect ing. Silviu Moldovan Sef Echipa Proiectare ing. Raul Costa Inginer Proiectant Proiect ing. Alina Tălcă Inginer Proiectant ing. Teodor Șelăbuș	REVISOR			DETALIARE PLANȘA PASAJUL 1+028 PRETE CP 132 TRABANCA VEST-ORUZENI
						NR. REV.	DATA	SEMNA	
DIRECȚIA JUDEȚEANĂ DE CONSTRUCȚII Județul Buzău	D.P. CONSULT S.A.		NUMAR CONTRACT: 001/001/2023 NUMAR PROIECT: 506	Data: 03.2023 VERIFICATOR TEHNIC					ARMARE PLACA SUPRABETONARE (23) Scara: 1:5 1:10 1:50 1000x1000mm 1000x1000mm

Technical drawing of a bridge structure, showing a plan view and a cross-section.

Plan View Dimensions:

- Overall width: 11800
- Span lengths: 2000, 7800, 2000
- Bridge width at piers: 300, 1620, 3900, 3900, 1620, 300

Cross-Section Details:

- Top Deck:**
 - Left side: $P=1.00\%$
 - Right side: $P=2.50\%$
- Central Pier:**
 - Label: **(X) 2F10 CURRENT**
 - Label: **(Y) 2F10 CORNER**
- Truss Structure:**
 - Top chord: $\angle 4$
 - Bottom chord: $\angle 4$
 - Diagonal members: $\angle 4$
- Material Specifications:**
 - (E)** $1\phi 12/250$, $L=470$, $\phi 100\phi$
 - (F)** $1\phi 14/250$, $L=1350$
 - (G)** $1\phi 12/250$, $L=460$, $\phi 100\phi$
 - (H)** $1\phi 14/250$, $L=1150$
- Support Details:**
 - (A)** $1\phi 22/300$, $L=4350$ SUP. (1630)
 - (B)** $1\phi 22/300$, $L=10500$ SUP. (10950)
 - (C)** $1\phi 16/300$, $L=11800$ INF. (11900)
 - (D)** $1\phi 18/300$, $L=9500$ INF. (9500)
- Other Dimensions:**
 - Bottom chord length: 2050
 - Bottom chord length: 1550
 - Bottom chord length: 1550
- Notes:**
 - ALTERNATE 150 mm

[illegible]

MARCA	ø/INTERAX mm	LUNGIME mm	CANTITATE n.
A	1ø22/300	4350	880
B	1ø22/300	10500	440
C	1ø16/300	11800	440
D	1ø18/300	9500	440
E	1ø12/250	470	527
F	1ø14/250	1350	527
G	1ø12/250	460	527
H	1ø14/250	1150	527
X	ø10	12000	24
Y	ø10	12000	24

MARCA	Ø/INTERAX mm	LUNGHEZZA mm	CANTITATE n.
A1	1922/150	4350	76
B1	1922/150	10500	38
C1	1916/150	11800	38
D1	1918/150	9500	38
E	1912/250	470	24
F	1914/250	1350	24
G	1912/250	460	24
H	1914/250	1150	24

CHAMFER
35x45°

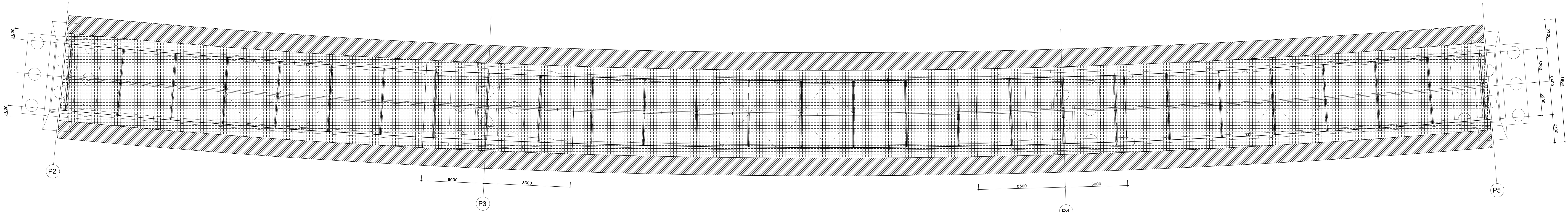
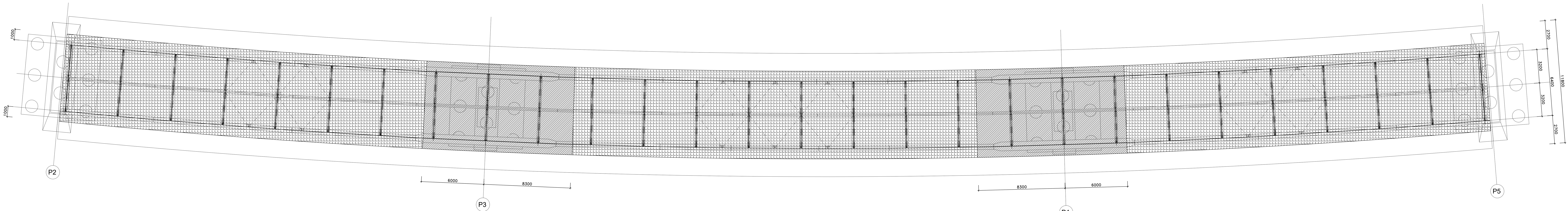
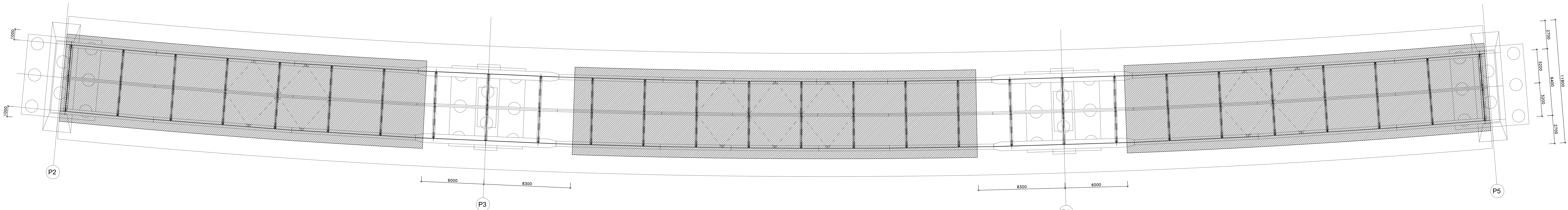
60

~2.5

N.B. CHECK WITH SUPPLIER OF PREDALE
THAT THE POSITION OF CONNECTORS
IS COMPATIBLE WITH THE POSITION OF
STEEL TRUSS

Otel (armare de beton): S500 (BST500C)

[illegible][illegible]



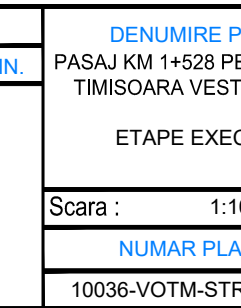
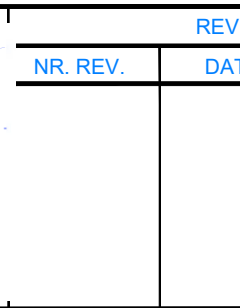
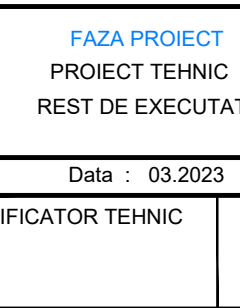
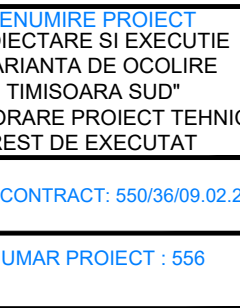
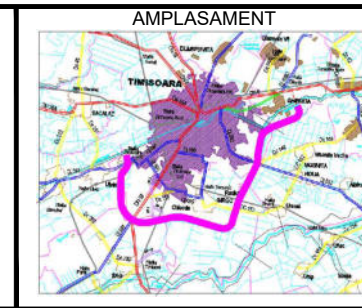
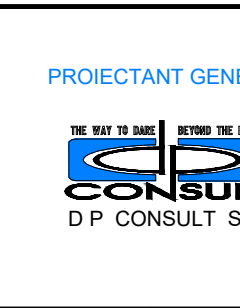
CONCRETE CASTING PHASES

- PHASE 1) NEW CASTING PHASE
- PHASE 2) CASTING PHASE PERFORMED

C35/45 – Placa de suprabetonare
Conform NE 012-1:2007 / SR EN 206-1
Clasa de expunere: XC3 (RO)
Agregate: Dmax20
Clasa de cloruri: Cl 0,2
Clasa de consistență: clasa de tasare S4
Acoperirea cu beton: ≥35 mm
Otel (armare de beton): S500 (BST500C)

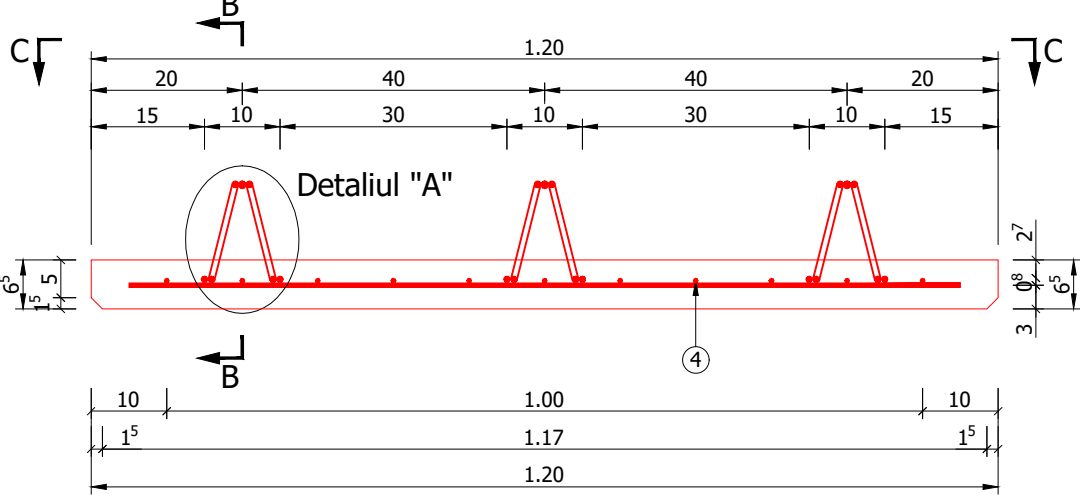
C35/45 – Trotuar
Conform NE 012-1:2007 / SR EN 206-1
Clasa de expunere: XC4+XF4+XD1 (RO)
Agregate: Dmax20
Clasa de cloruri: Cl 0,2
Clasa de consistență: clasa de tasare S4
Acoperirea cu beton: 40 mm
Otel (armare de beton): S500 (BST500C)

C35/45 – Dale prefabricate
Conform NE 012-1:2007 / SR EN 206-1
Clasa de expunere: XD3 (RO)
Agregate: Dmax16
Clasa de cloruri: Cl 0,2
Clasa de consistență: clasa de tasare S4
Acoperirea cu beton: 35 mm
Otel (armare de beton): S500 (BST500C)



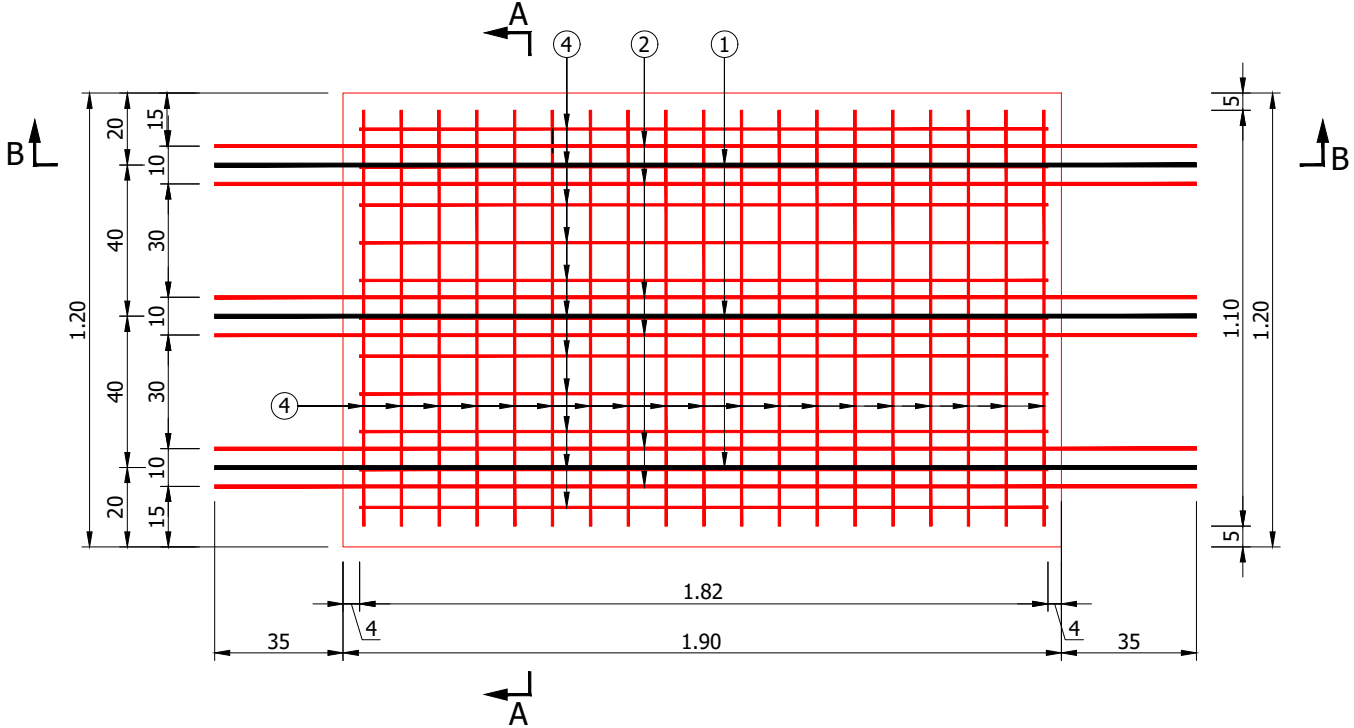
SECTIUNE TRANSVERSALA A-A

Scara 1:10



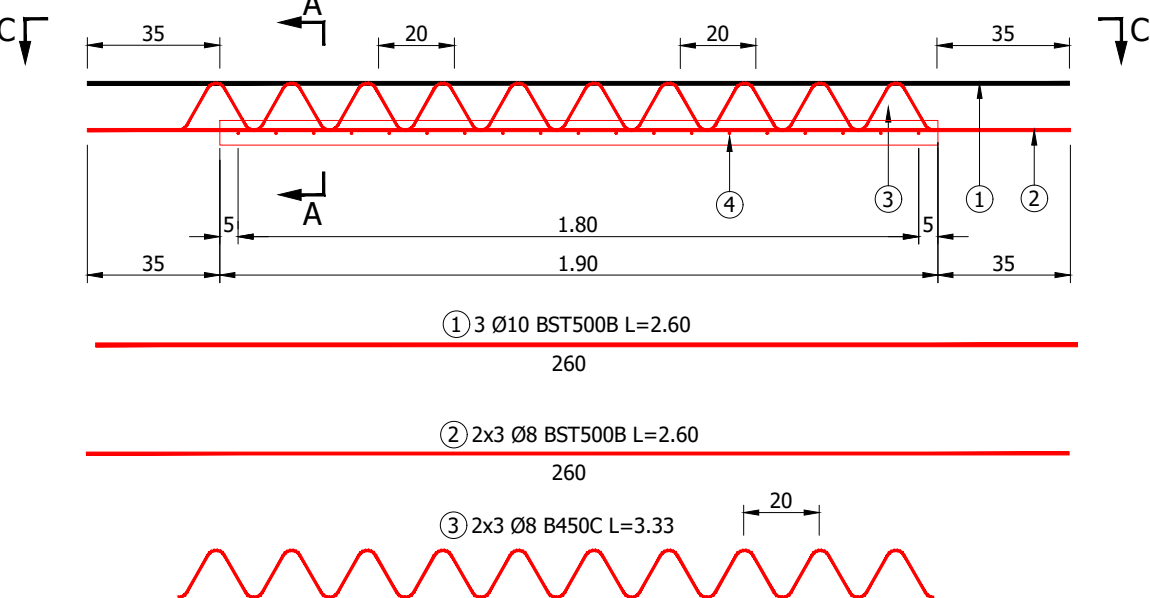
VEDERE PLANA C-C

Scara 1:20



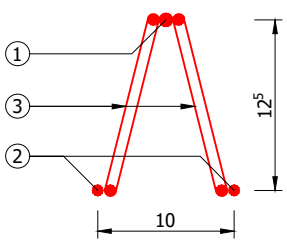
SECTIUNE LONGITUDINALA B-B

Scara 1:20



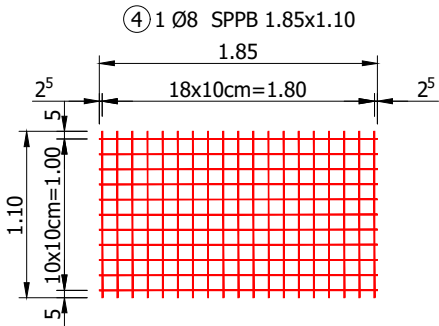
DETALIUL "A"

Scara 1:5



PLASA SUDATA

Scara 1:50



CERINTE DE CALITATE
PREDALE
Beton: C35/45
Otel: BST500C
B450C
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.55
Dozaj min. ciment: 300 Kg/m³

EXTRAS ARMATURA

Marca	φ (mm)	n (buc.)	L (m)	nxL-B450C		nxL-BST500C	
				φ8	φ8	φ10	
1	10	3	2.60				7.80
2	8	6	2.60		15.60		
3	8	6	3.33	19.98			
TOTAL LUNGIMI PE DIAMETRU (m)				19.98	15.60	7.80	
GREUTATE PE METRU (kg/m)				0.395	0.395	0.617	
GREUTATE PE DIAMETRU (kg)				7.8921	6.162	4.8126	
GREUTATE PE TIP DE OTEL (kg)				8.00	11.00		
GREUTATE TOTALA (kg)					19.00		

EXTRAS PLASA SUDATA

Marca	φ (mm)	n (buc.)	l (m)	L (mm)	S (m ²)	SPPB	
						φ8	
4	8	1	1.10	1.85	2.04	41.25	
TOTAL LUNGIMI PE DIAMETRU (m)						41.25	
GREUTATE PE METRU (kg/m)						0.395	
GREUTATE PE DIAMETRU (kg)						16.29375	
GREUTATE PE TIP DE OTEL (kg)						17.00	
GREUTATE TOTALA (kg)						17.00	

LEGENDA:

REALIZAT-
NEREALIZAT-

INVESTITOR



COMPANIA NATIONALA DE ADMINISTRARE
A INFRASTRUCTURII RUTIERE SA

PROIECTANT GENERAL



D.P. CONSULT S.A.

AMPLASAMENT



DENUMIRE PROIECT

PROIECTARE SI EXECUTIE
"VARIANTA DE OCOLIRE
TIMISOARA SUD"
ELABORARE PROIECT TEHNIC
REST DE EXECUTAT

NUMAR CONTRACT: 550/36/09.02.2023

NUMAR PROIECT : 556

FAZA PROIECT

PROIECT TEHNIC
REST DE EXECUTAT

Data : 03.2023

VERIFICATOR TEHNIC

Manager de Proiect

ing. Silvan Moldovan

Sef Echipa Proiectare

ing. Raul Cocis

Inginer Proiectant Poduri

ing. Attila Takacs

Inginer Proiectant

ing. Teodor Sabadis

REVIZII

NR. REV.

DATA

SEMN.

DENUMIRE PLANSA

PASAJ KM 1+528 PESTE CF 132
TIMISOARA VEST-CRUCENI
PLAN ARMARE PREDALA
PREFABRICATA 1.90x1.20

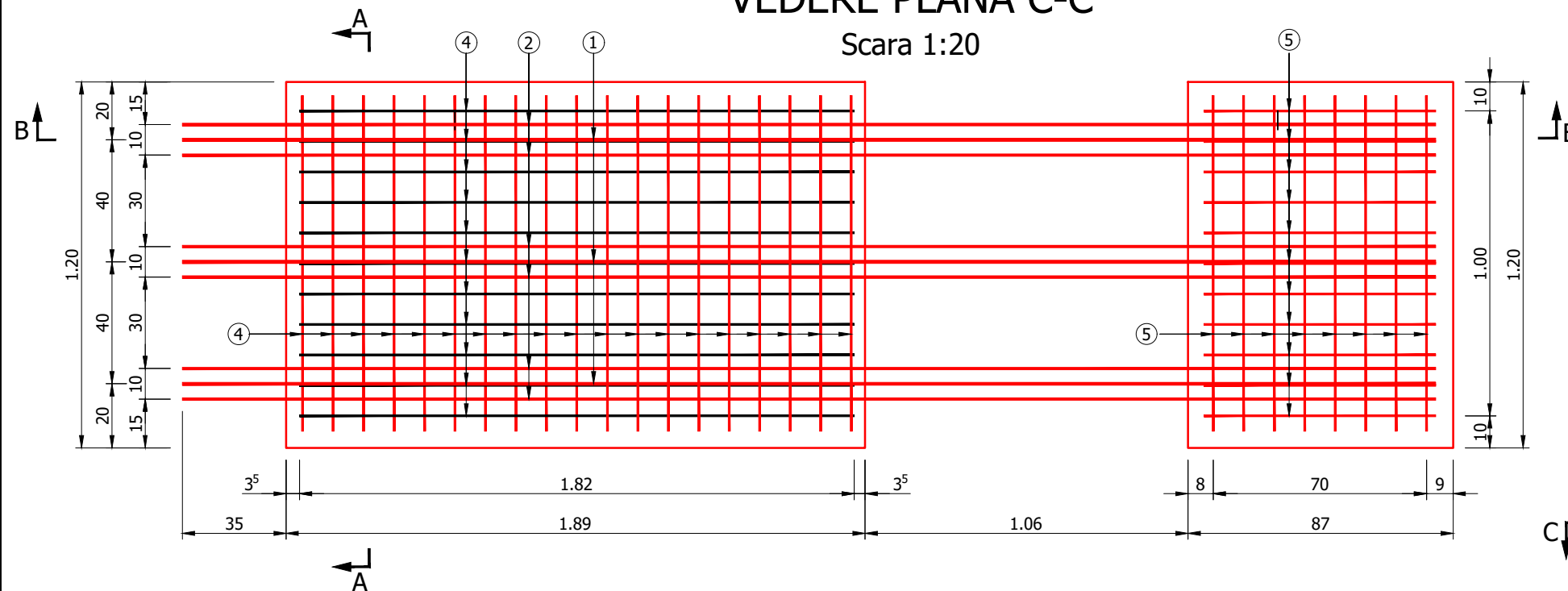
Scara : 1:50 1:20 1:10 1:5

NUMAR PLANSA

10036-VOTM-STR02-AS-01

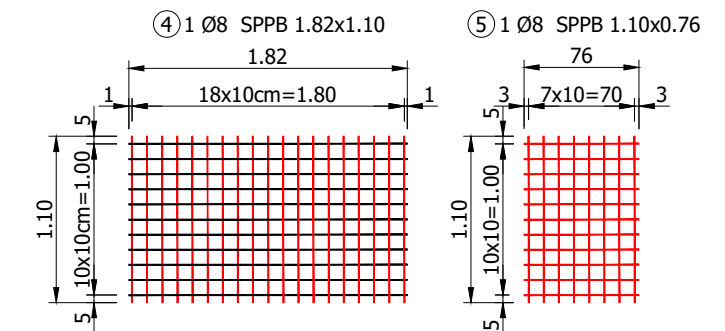
VEDERE PLANA C-C

Scara 1:20



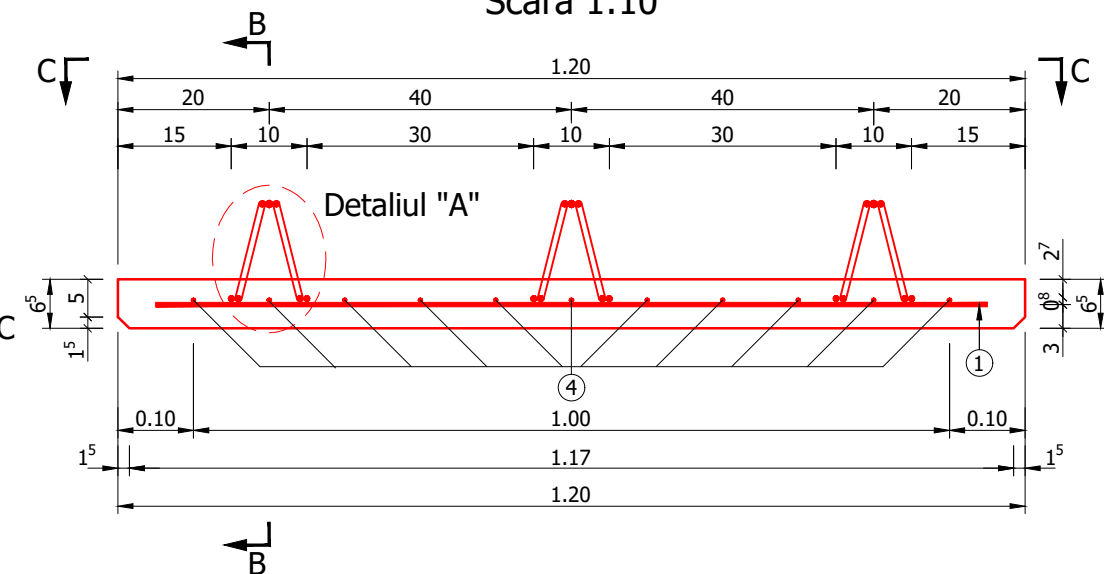
PLASA SUDATA

Scara 1:50



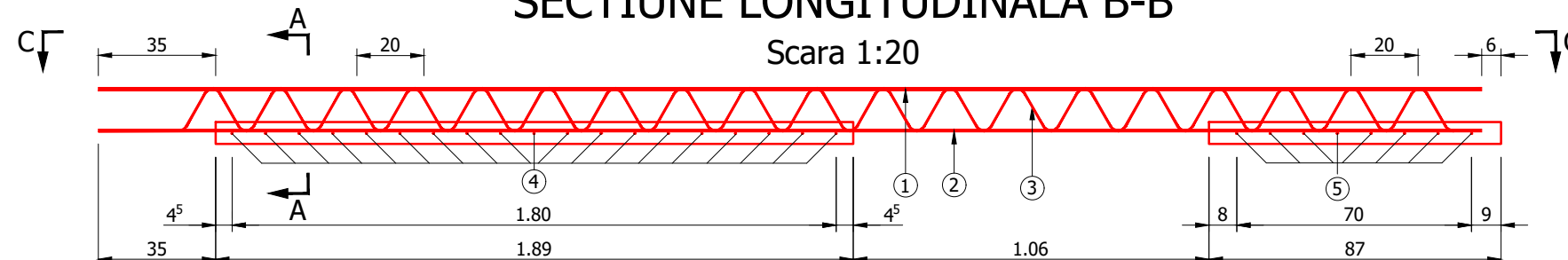
SECTIUNE TRANSVERSALA A-A

Scara 1:10



SECTIUNE LONGITUDINALA B-B

Scara 1:20



① 3 Ø10 BST500C L=4.09

409

② 2x3 Ø8 BST500C L=4.09

409

③ 2x3 Ø8 B450C L=6.33

EXTRAS ARMATURA

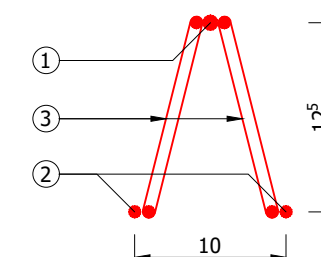
Marca	φ (mm)	n (buc.)	L (m)	nxL-B450C	nxL-BST500C
1	10	3	4.09	φ8	φ8
2	8	6	4.09		24.54
3	8	6	6.33	37.98	12.27
TOTAL LUNGIMI PE DIAMETRU (m)				37.98	24.54
GREUTATE PE METRU (kg/m)				0.395	0.395
GREUTATE PE DIAMETRU (kg)				15.00	9.693
GREUTATE PE TIP DE OTEL (kg)				15.00	17.26
GREUTATE TOTALA (kg)					32.30

EXTRAS PLASA SUDATA

Marca	φ (mm)	n (buc.)	l (m)	L (m)	S (m²)	SPPB
4	8	1	1.10	1.82	2.00	φ8
5	8	1	1.10	0.76	0.84	φ8
TOTAL LUNGIMI PE DIAMETRU (m)						58.08
GREUTATE PE METRU (kg/m)						0.395
GREUTATE PE DIAMETRU (kg)						22.942
GREUTATE PE TIP DE OTEL (kg)						22.94
GREUTATE TOTALA (kg)						23.00

DETALIUL "A"

Scara 1:5

CERINTE DE CALITATE
PREDALE

Beton: C35/45
Otel: BST500C
B450C
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.55
Dozaj min. ciment: 300 Kg/m³

LEGENDA:

REALIZAT-

NEREALIZAT-

INVESTITOR



COMPANIA NATIONALA DE ADMINISTRARE
A INFRASTRUCTURII RUTIERE SA

PROIECTANT GENERAL



D.P. CONSULT S.A.

AMPLASAMENT



DENUMIRE PROIECT

PROIECTARE SI EXECUTIE
"VARIANTA DE OCOLIRE
TIMISOARA SUD"
ELABORARE PROIECT TEHNIC
REST DE EXECUTAT

NUMAR CONTRACT: 550/36/09.02.2023

NUMAR PROIECT : 556

FAZA PROIECT

PROIECT TEHNIC
REST DE EXECUTAT

Data : 03.2023

VERIFICATOR TEHNIC

Manager de Proiect

ing. Silvan Moldovan

Sef Echipa Proiectare

ing. Raul Cocis

Inginer Proiectant Poduri

ing. Attila Takacs

Inginer Proiectant

ing. Teodor Sabadis

REVIZII

NR. REV.	DATA	SEM.

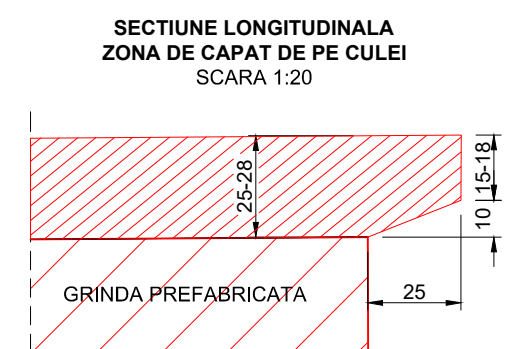
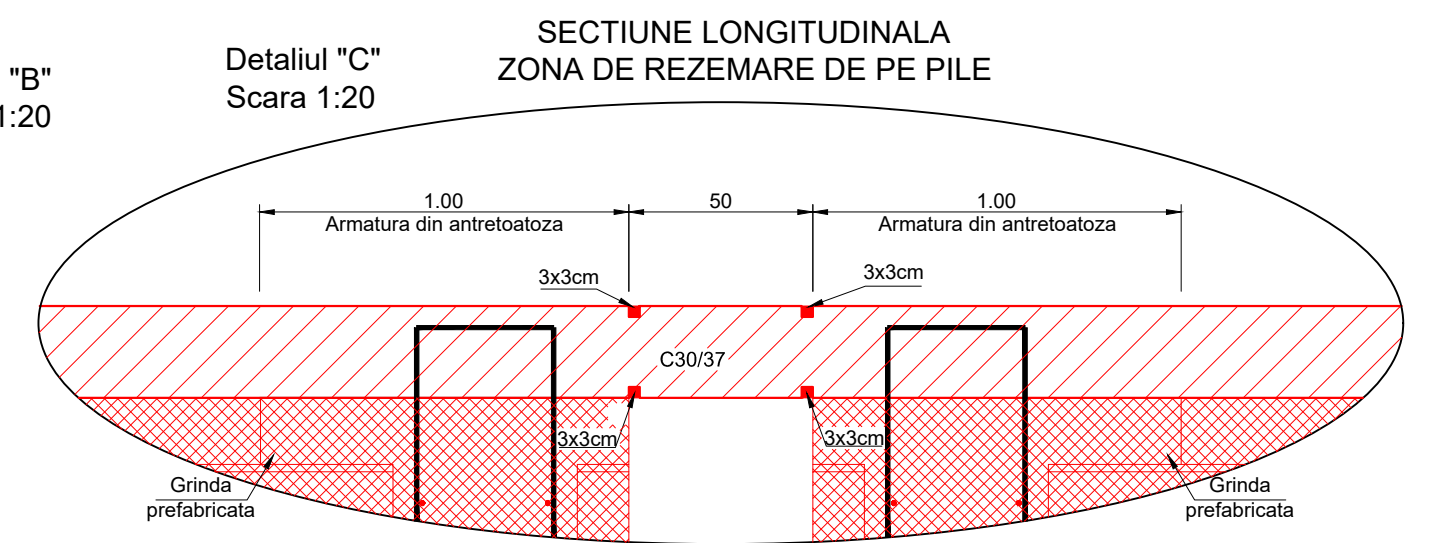
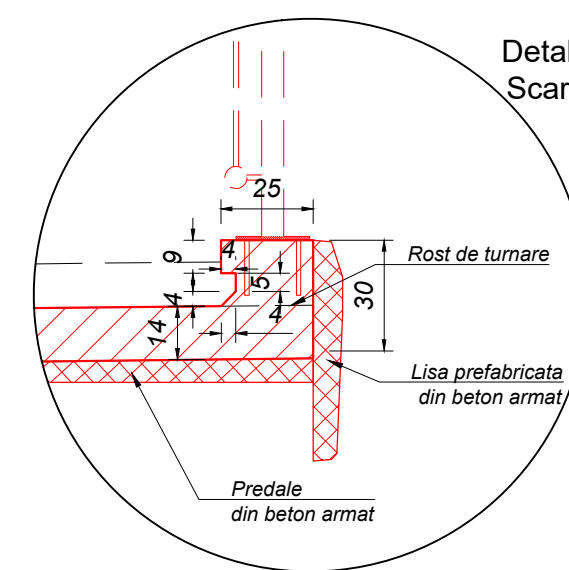
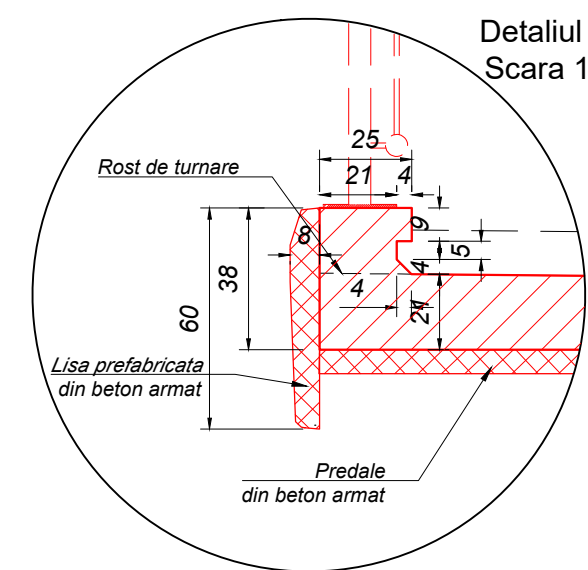
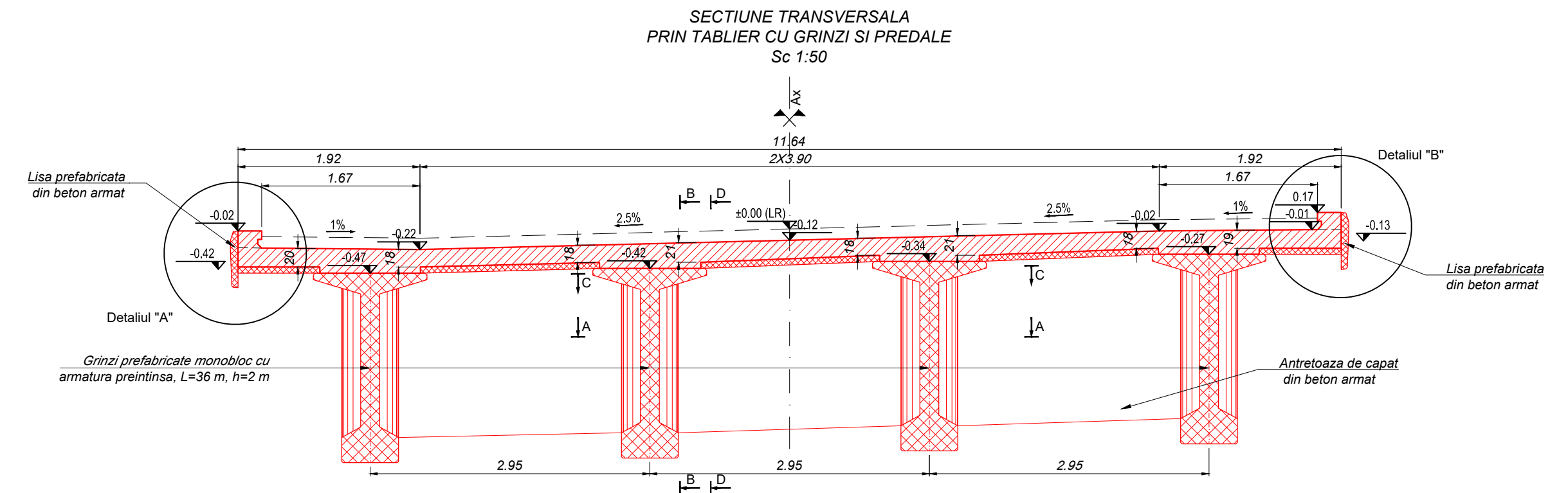
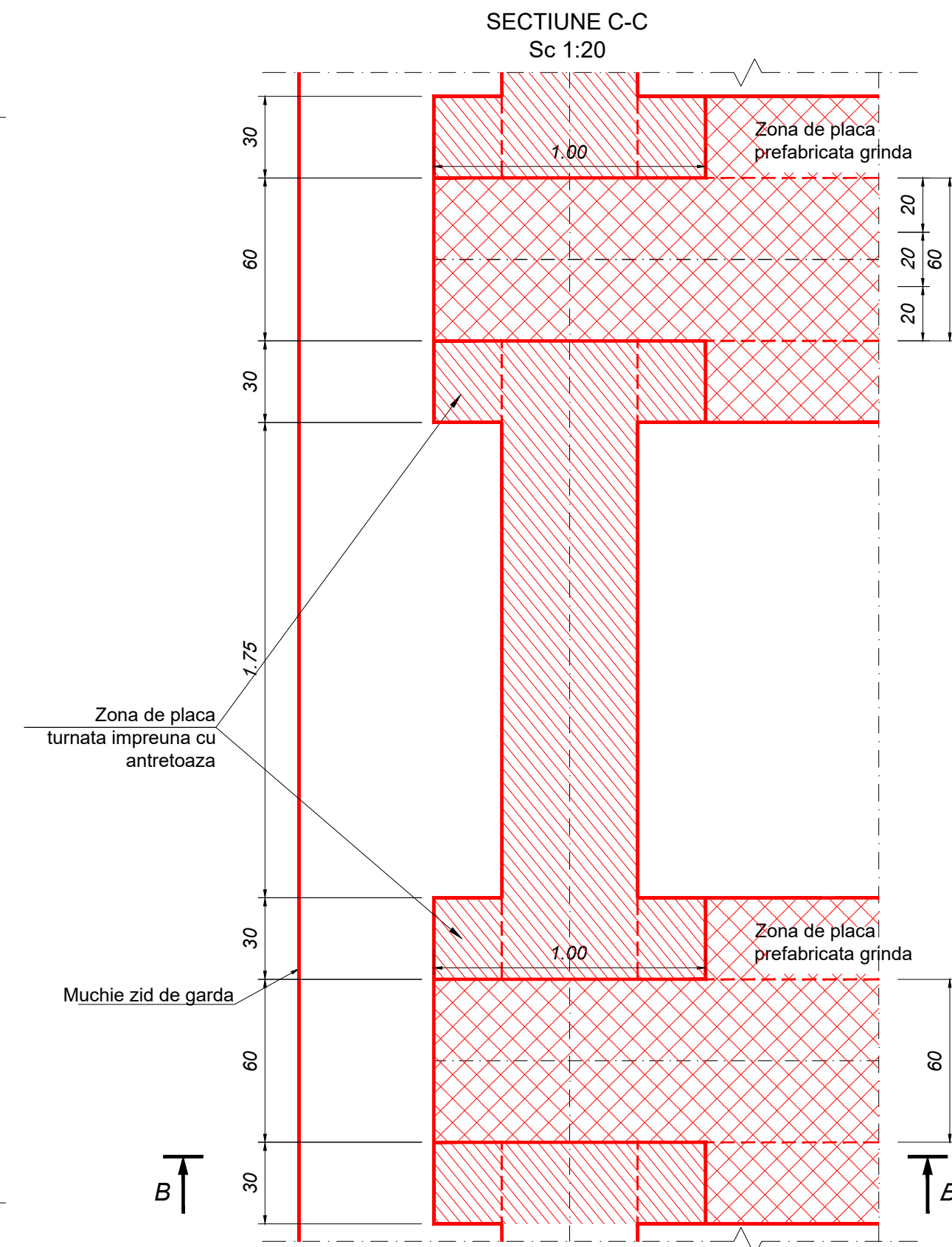
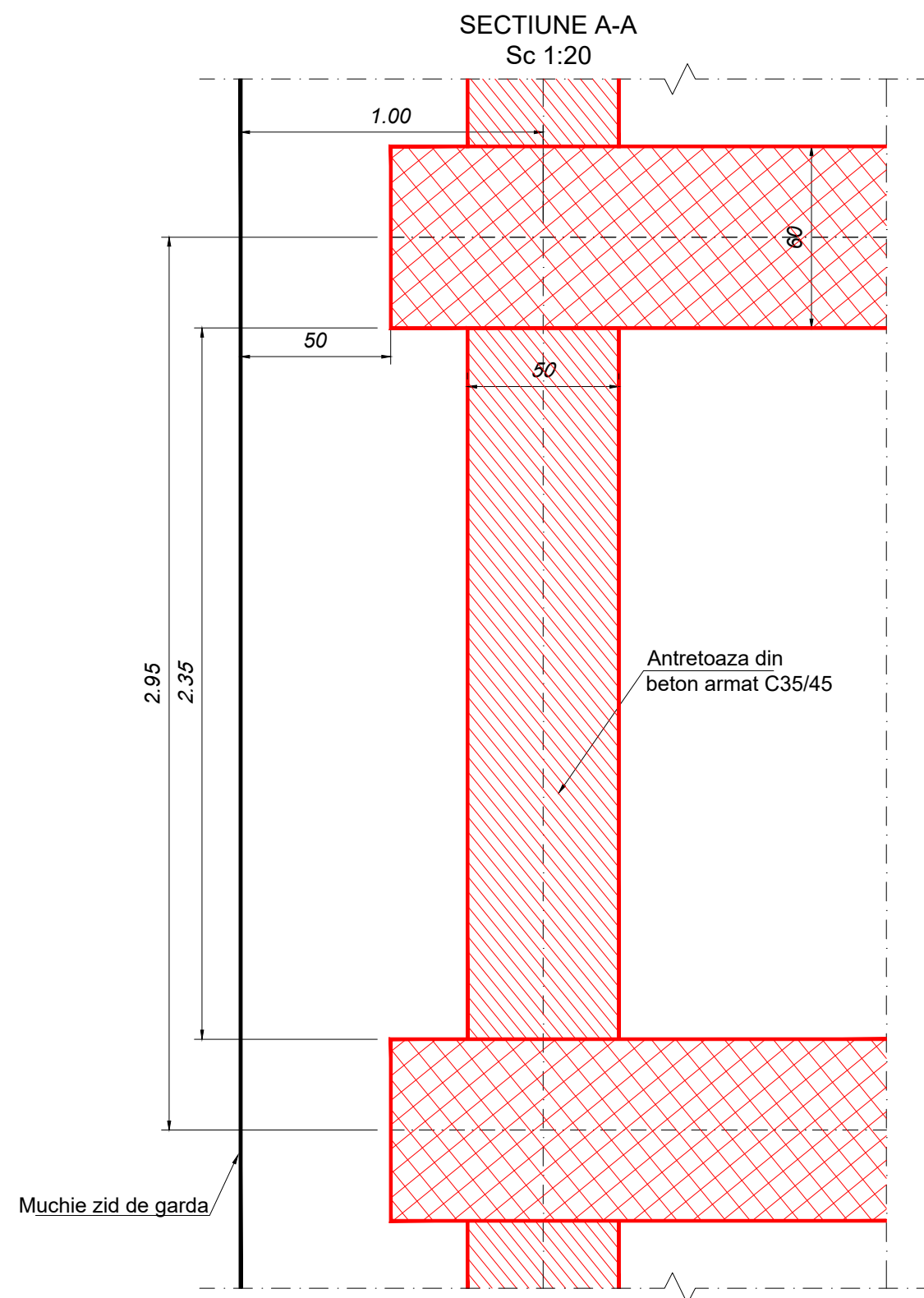
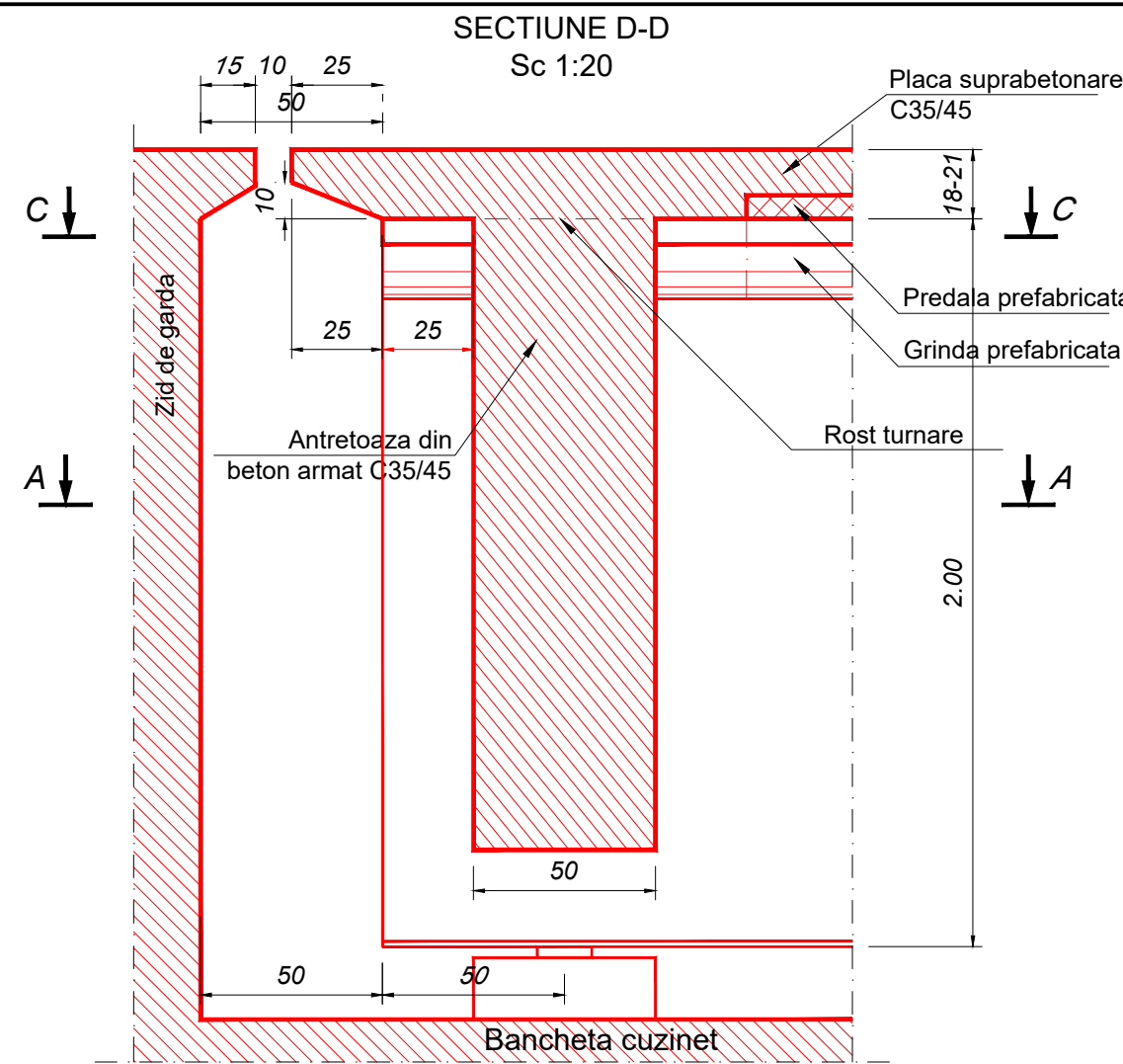
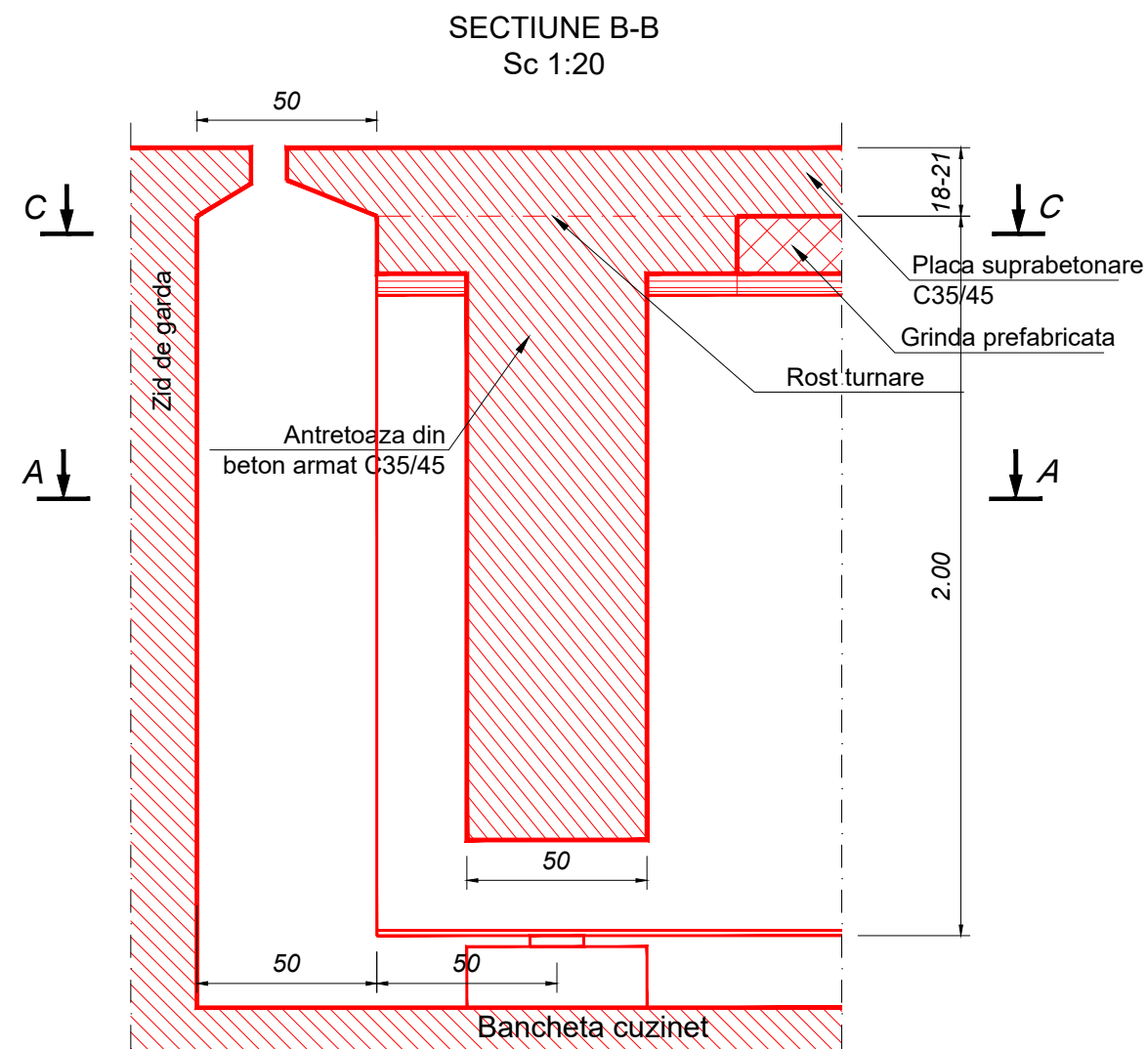
DENUMIRE PLANSA

PASAJ KM 1+528 PESTE CF 132
TIMISOARA VEST-CRUCENI
PLAN ARMARE PREDALA
PREFABRICATA
1.89x1.20 + 0.87x1.20

Scara : 1:50 1:20 1:10 1:5

NUMAR PLANSA



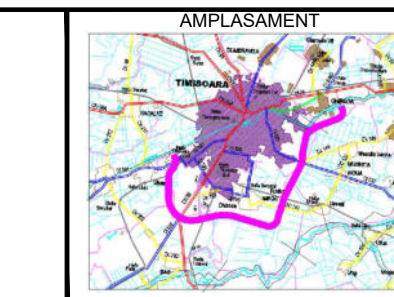
10036-VOTM-STR02-AS-02



LEGENDA:

REALIZAT-

NEREALIZAT-

 <p>INVESTITOR</p> <p>COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII ROUTIERE S.A.</p>	 <p>PROIECTANT GENERAL</p> <p>D.P. CONSULT S.A.</p>	 <p>AMPLASAMENT</p>	<p>DENUMIRE PROIECT</p> <p>PROIECTARE SI EXECUTIE</p> <p>"VARIANTA DE OCOLIRE TIMISOARA SUD"</p> <p>ELABORARE PROIECT TEHNIC</p> <p>REST DE EXECUTAT</p> <p>NUMAR CONTRACT: 550/36/09.02.2023</p> <p>NUMAR PROIECT : 556</p>	<p>FAZA PROIECT</p> <p>PROIECT TEHNIC</p> <p>REST DE EXECUTAT</p> <p>Data : 03.2023</p> <p>VERIFICATOR TEHNIC</p>	<p>Manager de Proiect</p> <p>ing. Silvan Moldovan</p> <p>Sef Echipa Proiectare</p> <p>ing. Raul Cocis</p> <p>Inginer Proiectant Poduri</p> <p>ing. Attila Takacs</p> <p>Inginer Proiectant</p> <p>ing. Teodor Sabadis</p>	REVIZII			<p>DENUMIRE PLANSA</p> <p>PASAJ KM 1+528 PESTE CF 132 TIMISOARA VEST-CRUCENI</p> <p>PLAN COFRAJ</p> <p>PLACA DE SUPRABETONARE</p> <p>Scara : 1:50 1:20</p> <p>NUMAR PLANSA</p> <p>10036-VOTM-STR02-Cs-01</p>
						NR. REV.	DATA	SEMN.	

Extras armatura pentru o antretoaza

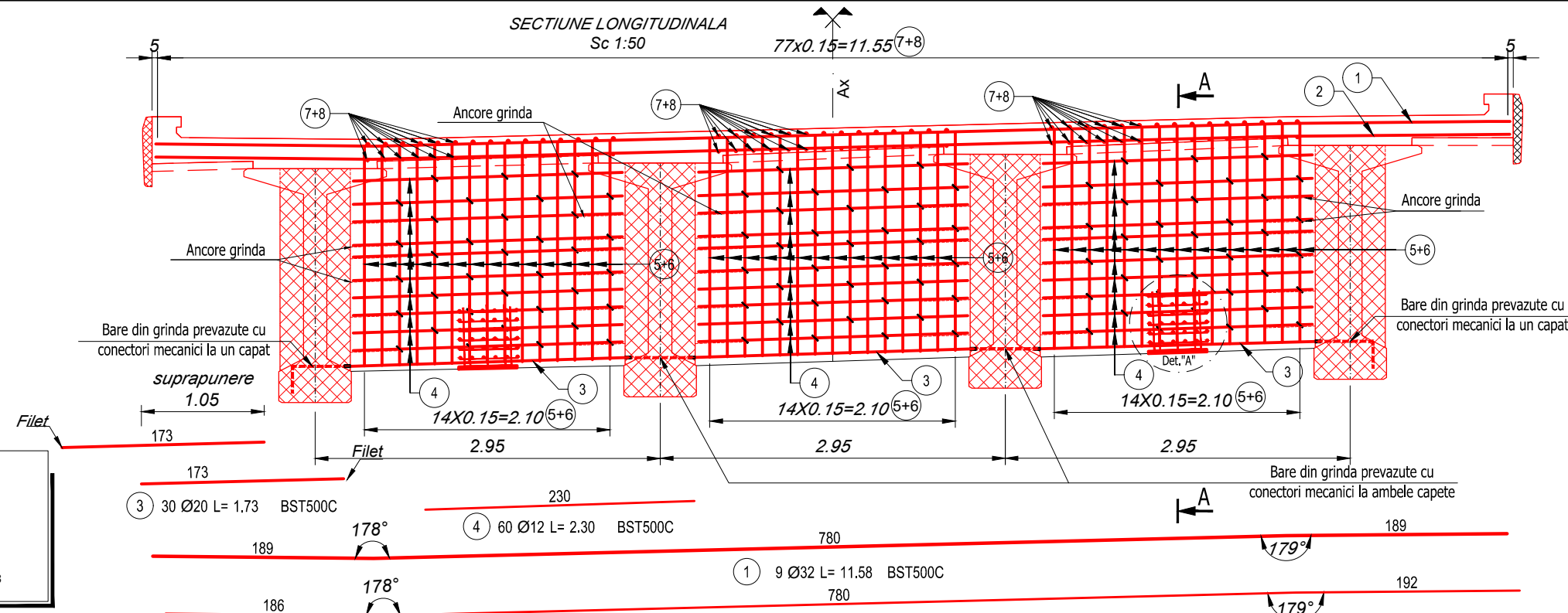
MARCA	DIAMETRU	NR BUCATI	LUNGIMI [m]							
			/bucata	/diametru						
				BST500C						
				Ø8	Ø10	Ø12	Ø14	Ø20	Ø32	
1	32	9	11.58							104.22
2	12	9	11.58			104.22				
3	20	30	1.73					51.90		
4	12	60	2.30			138.00				
5	14	45	4.16				187.20			
6	14	45	1.98				89.10			
7	12	45	2.13			95.85				
8	12	45	1.53			68.85				
9	8	105	0.51	53.55						
100	14	4	1.45				5.80			
101	10	12	2.90		34.80					
102	10	12	3.40		40.80					
103	10	24	0.66		15.84					
LUNGIMI TOTALE[m]				53.55	91.44	406.92	282.10	51.90	104.22	
MASA [kg]	/metru			0.395	0.617	0.889	1.210	2.469	6.321	
	/diametru			21.16	56.45	361.73	341.33	128.16	658.81	
	totala			1567.63						

Placuta ridicare suprastructura
P2 400 x 20 - 500

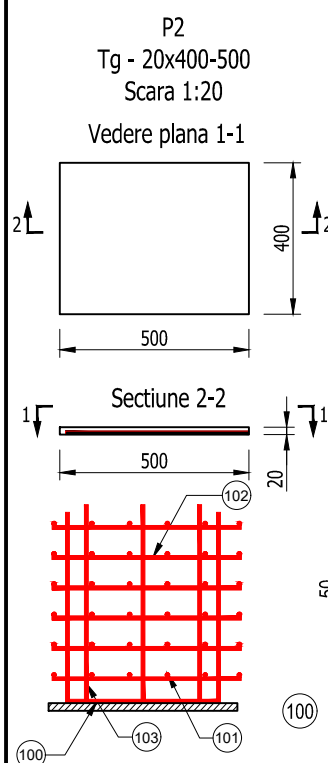
Greutate / buc. (kg)	31.40
Greutate totala / antretoaza = 2 buc. (kg)	62.80
Greutate totala (10 antretoaze) (kg)	628.00

CERINTE DE CALITATE ANTRETOAZA

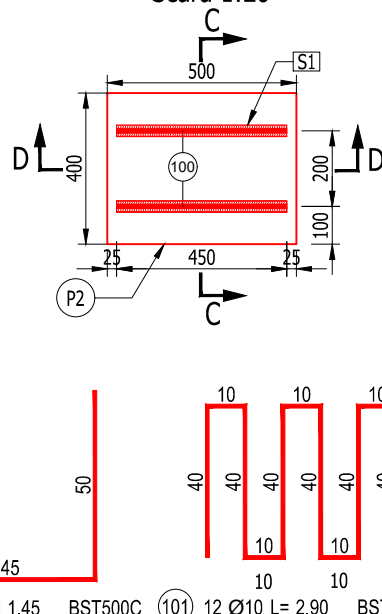
Beton: C35/45
Otel: BST500C
Clasa de expunere: XC3, XF2
Valoare max. A/C: 0.55°
Dozaj min. ciment: 340 Kg/m³



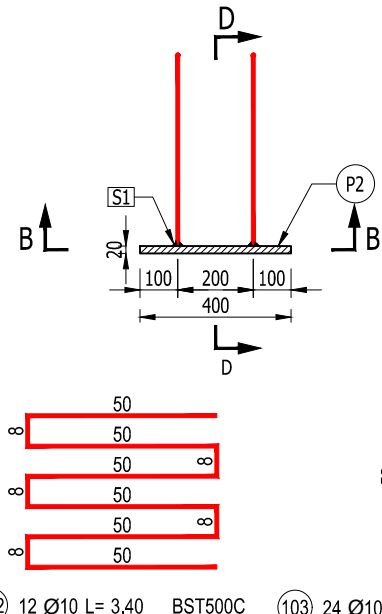
DETALIUL "A" PLACUTA P2 RIDICARE SUPRASTRUCTURA



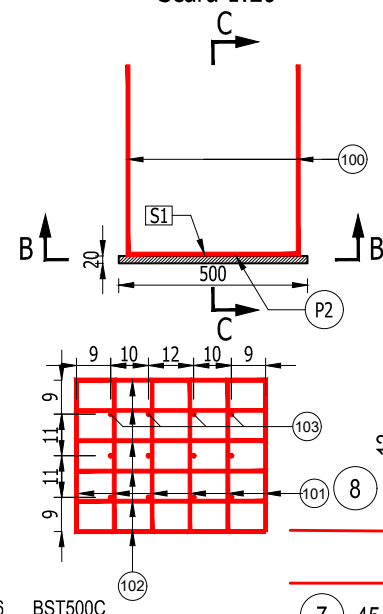
SECTIUNE B-B Scara 1:20



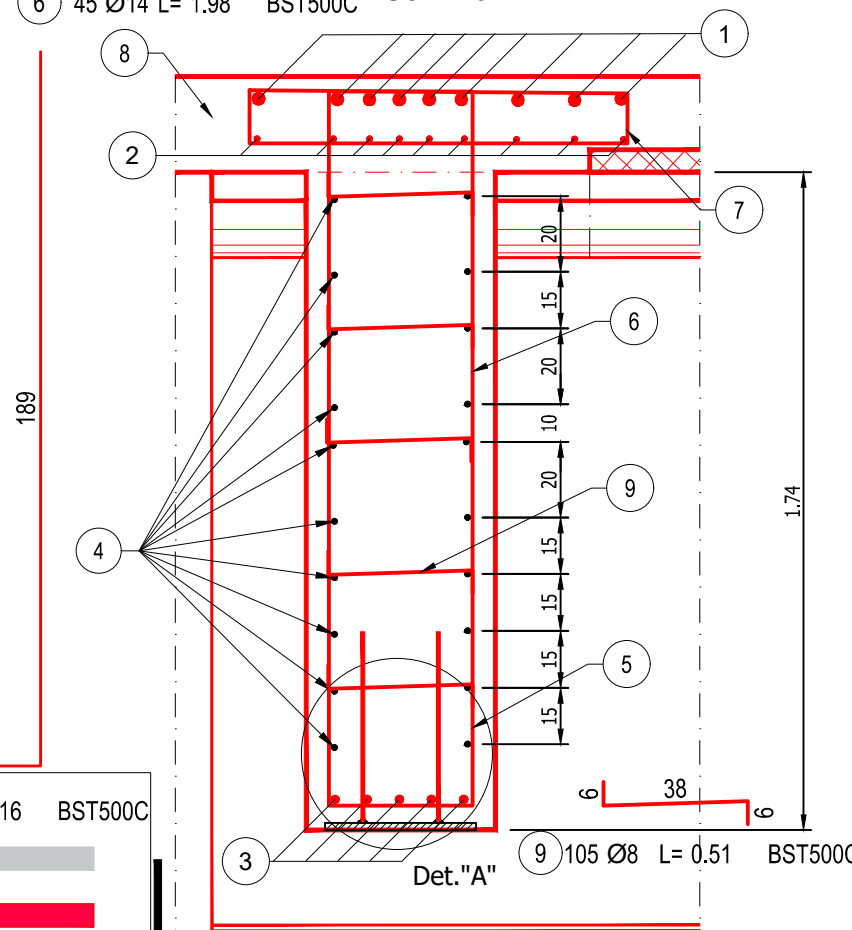
SECTIUNE C-C Scara 1:20



SECTIUNE D-D Scara 1:20



SECTIUNE A-A Sc 1:20



NOTA:
- Stratul minim de acoperire este 5cm;
- Toate dimensiunile barelor sunt date in ax;
- Constructorul are obligatia de a verifica proiectul inainte de a proceda la executie si de a comunica proiectantului orice nepotrivire, eroare sau neclaritate pentru a face corectiile sau clarificarile necesare.

LEGENDA:

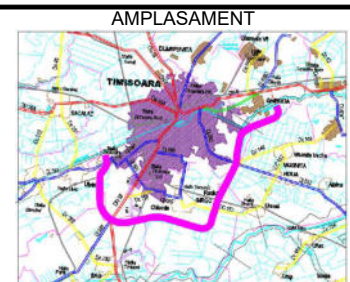
REALIZAT-

NEREALIZAT-

greutate / antretoaza	numarul de antretoaze asemenea/structura	total kg/antretoaze /structura
1567.6300	10	15676.3000

INVESTITOR
COMPANIA NATIONALA DE ADMINISTRARE
A INFRASTRUCTURII RUTIERE SA

PROIECTANT GENERAL
D.P. CONSULT S.A.



DENUMIRE PROIECT
PROIECTARE SI EXECUTIE
"VARIANTA DE OCOLIRE
TIMISOARA SUD"
ELABORARE PROIECT TEHNIC
REST DE EXECUTAT
NUMAR CONTRACT: 550/36/09.02.2023
NUMAR PROIECT : 556

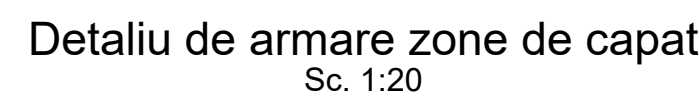
FAZA PROIECT
PROIECT TEHNIC
REST DE EXECUTAT
Data : 03.2023
VERIFICATOR TEHNIC

Manager de Proiect
ing. Silvan Moldovan
Sef Echipa Proiectare
ing. Raul Cocis
Inginer Proiectant Poduri
ing. Attila Takacs
Inginer Proiectant
ing. Teodor Sabadis

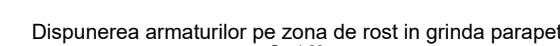
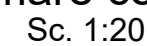
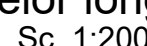
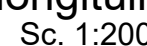
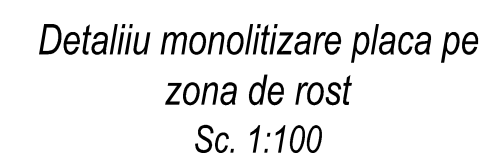
REVIZII		
NR. REV.	DATA	SEM.

DENUMIRE PLANSA
PASAJ KM 1+528 PESTE CF 132
TIMISOARA VEST-CRUCENI
PLAN ARMARE ANTRETOAZA
h=2.00
Scara : 1:20, 1:50
NUMAR PLANSA
10036-VOTM-STR02-As-04

Sc. 1:20



MARCA	DIAMETRU	NR BUCATI	LUNGIMI [dm]	
			bucata	BST5000
			Ø12	
1	12	1188	11.78	13994.64
2	12	1188	11.78	13994.64
3	12	1188	11.78	13994.64
4	12	2490	12.00	29880.00
5	12	60	1.69	101.40
6	12	60	0.40	24.00
7	12	1222	1.01	1234.22
8	12	1222	0.60	733.20
9	12	1222	0.62	757.64
10	12	40	2.19	87.60
11	12	1222	1.10	1344.20
100	12	234	5.19	1214.46
101	12	234	5.19	1214.46
102	12	234	2.52	589.68
LUNGIMI TOTAL(e)			86564.78	
MASA [kg]			Ømetru	0.889
			Ødiametru	59172.43
			totalita	59172.43



REALIZAT-

NEREALIZAT.

NOTA:

- Acoperirea minima la partea superioara a placii este 3.5cm, iar pe lisa de parapet este de minim 5cm.
- Toate dimensiunile barelor sunt date in ax;
- Constructorul are obligatia de a verifica proiectul inainte de a proceda la executie si de a comunica proiectantului orice neputrivire, eroare sau neclaritate pentru a face corectiile sau clarificarile necesare.

CERINTE DE CALITATE

PLACA DE SUPRABETONARE
den: C25/15

tel: BST500C

Clasa de expunere: XC3, XD1, XE1

zai min. ciment: 340 Kg/m³

zajmili cimenek: 540 kg/m

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DENUMIRE PLAN

PASAJ KM 1+528 F
CF132

PLAN ARMARE PLA

SUPRABETON®

Score: 14.00 14.00 1.00

Scala: 1:20, 1:100, 1:200

NUMAR PLANS.

10036-VOTM-STR02-A

INVESTITOR



COMPANIA NATIONALA DE ADMINISTRARE
A INFRASTRUCTURII I RUTIERE S.A.

PROIETTANT GENERALI

THE WAY TO BARE BEYOND THE LIMITS

CONSULT

D.P. CONSULT S.A.

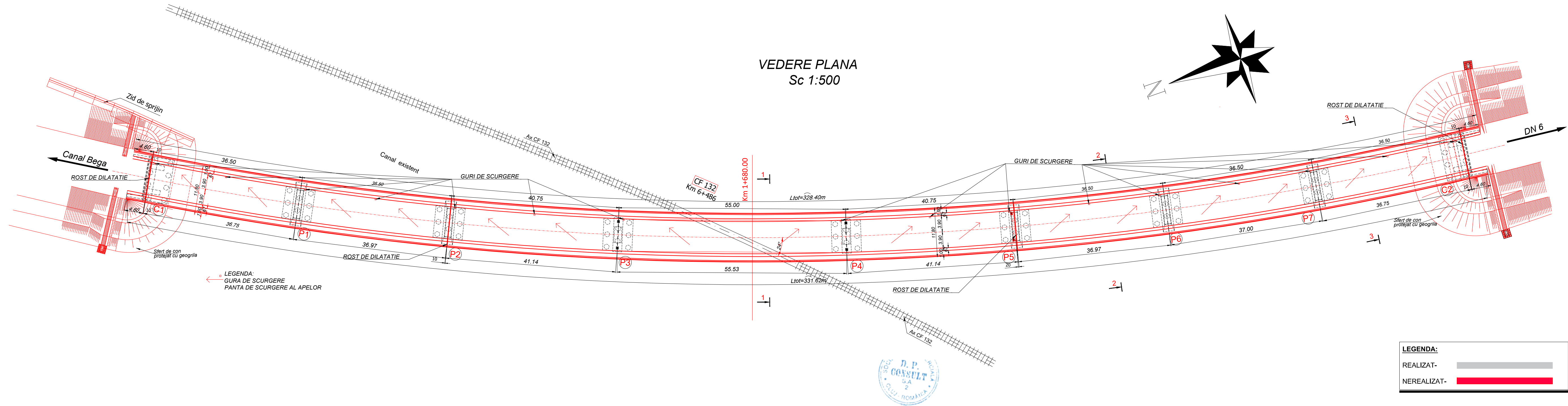
<p>DENUMIRE PROIECT PROIECTARE SI EXECUTIE "VARIANTA DE OCOLIRE TIMISOARA SUD" ELABORARE PROIECT TEHNIC REST DE EXECUTAT</p>
<p>NUMAR CONTRACT: 550/36/09.02.2023</p>
<p>NUMAR PROIECT : 556</p>

	FAZA PROIECT PROIECT TEHNIC REST DE EXECUTAT
	Data : 03.2023
	VERIFICATOR TEHNIC

K	Manager de Proiect ing. Silvan Moldovan
	Sef Echipa Proiectare ing. Raul Cocis
	Inginer Proiectant Poduri ing. Attila Takacs
	Inginer Proiectant ing. Teodor Sabadis

[illegible]

		DENUMIRE PLANS:
	SEMN.	PASAJ KM 1+528 PE CF132 PLAN ARMARE PLAC. SUPRABETONARI
		Scara : 1:20, 1:100, 1:200
		NUMAR PLANS
		10036/OTM-STP02-AS



INVESTITOR COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE S.A.	PROIECTANT GENERAL D P CONSULT S.A.	AMPLASAMENT 	DENUMIRE PROIECT PROIECTARE SI EXECUTIE "VARIANTA DE OCOLIRE TIMISOARA SUD" ELABORARE PROIECT TEHNIC REST DE EXECUTAT		FAZA PROIECT PROIECT TEHNIC REST DE EXECUTAT		Manager de Proiect ing. Silivan Moldovan		REVIZII			DENUMIRE PLANSA PASAJ KM 1+528 PESTE CF 132 TIMISOARA VEST-CRUCENI SCURGEREA APELOR POZITIONARE GURI DE SCURGERE Scara : 1:100 1:500 NUMAR PLANSA 10036-VOTM-STR02-SA-01
			NUMAR CONTRACT: 550/36/09.02.2023		Data : 03.2023		Sef Echipa Proiectare ing. Raul Cocis		NR. REV.	DATA	SEM.	
			NUMAR PROIECT : 556		VERIFICATOR TEHNIC		Inginer Proiectant Poduri ing. Attila Takacs					
							Inginer Proiectant					