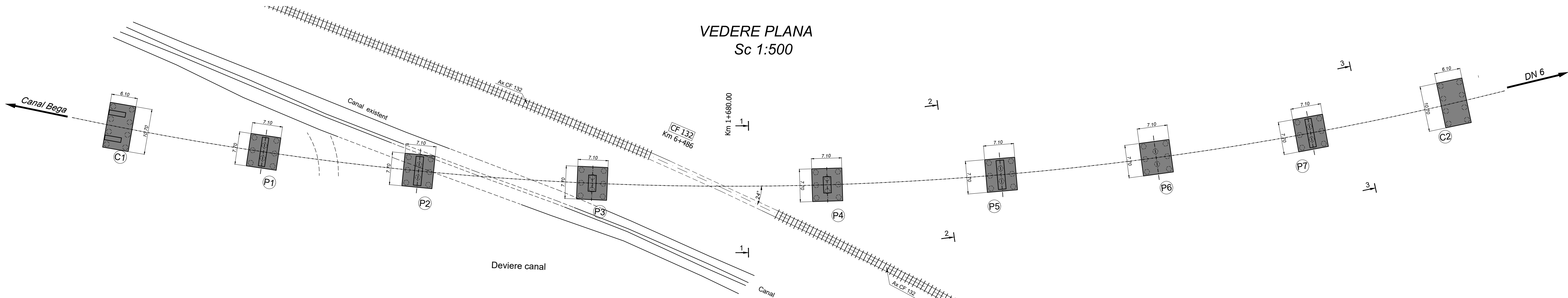
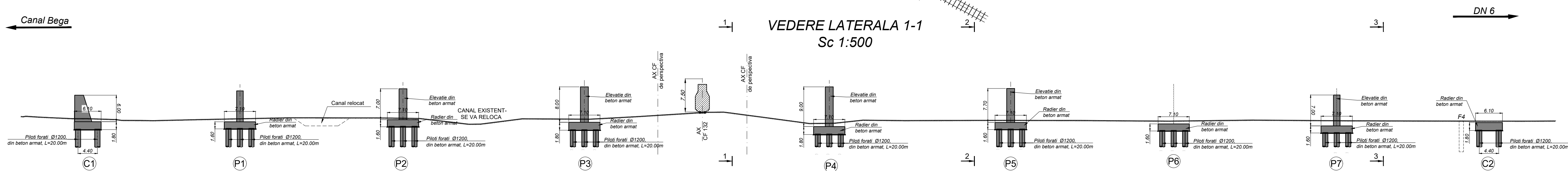


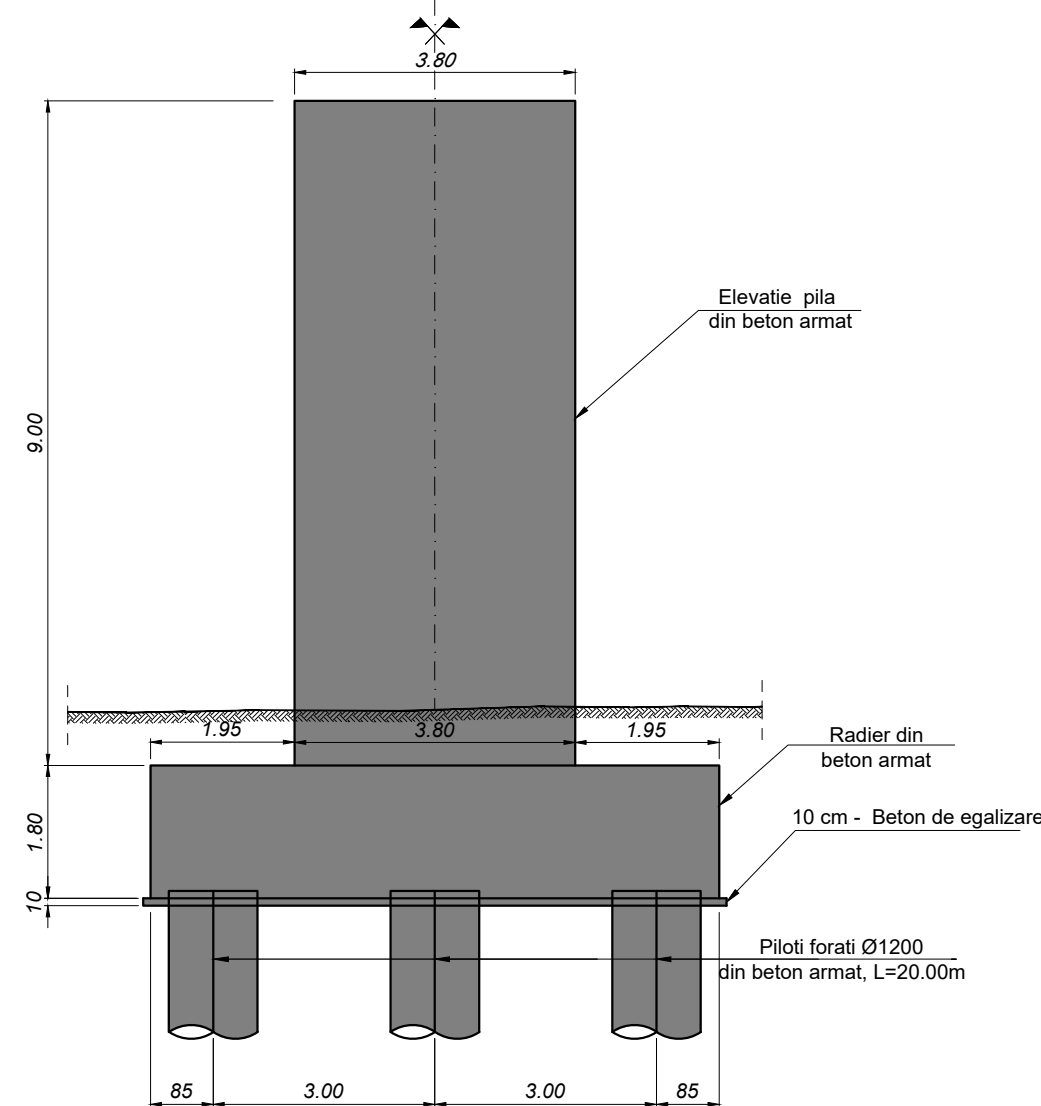
VEDERE PLANA  
Sc 1:500



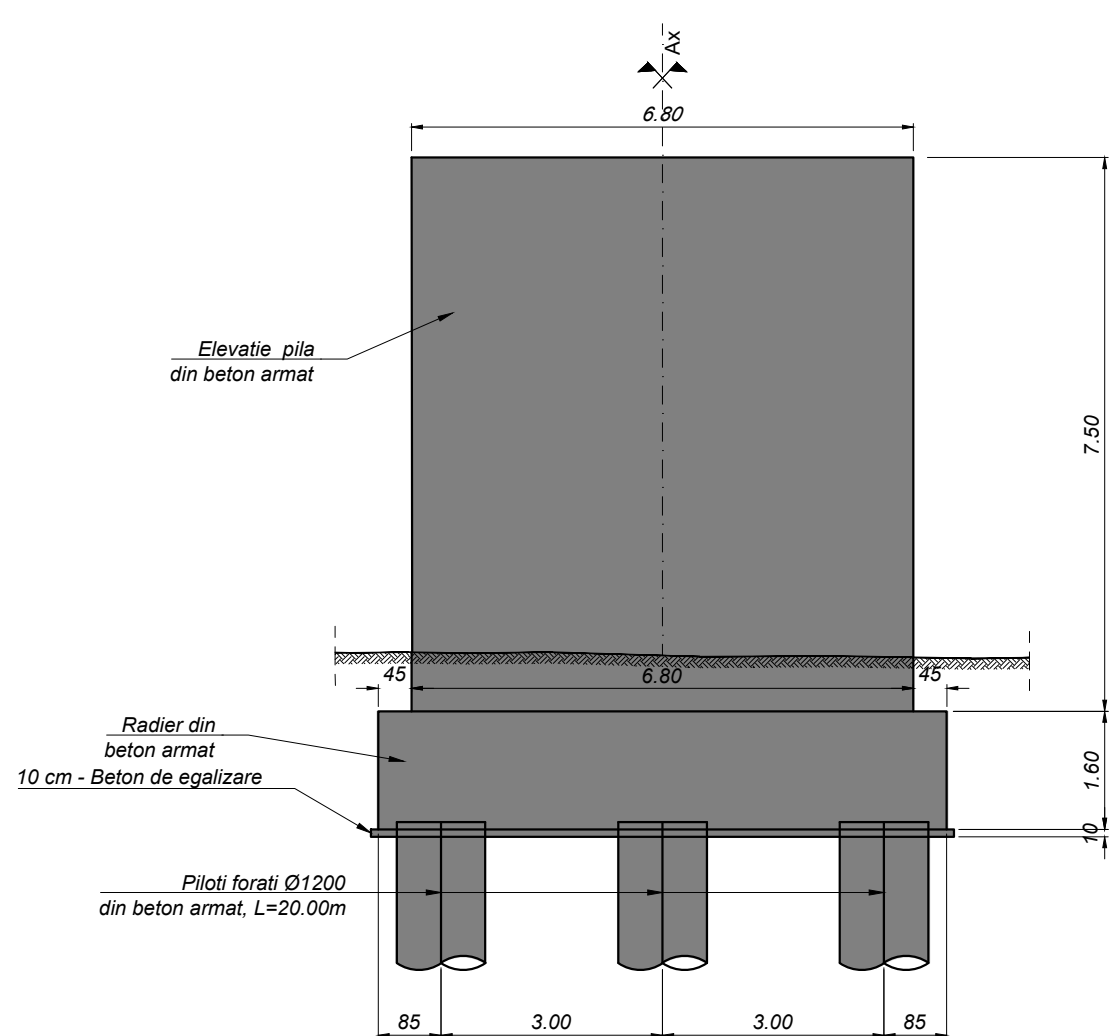
VEDERE LATERALA 1-1  
Sc 1:500



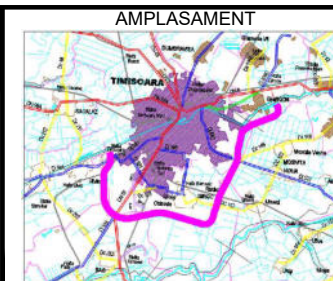
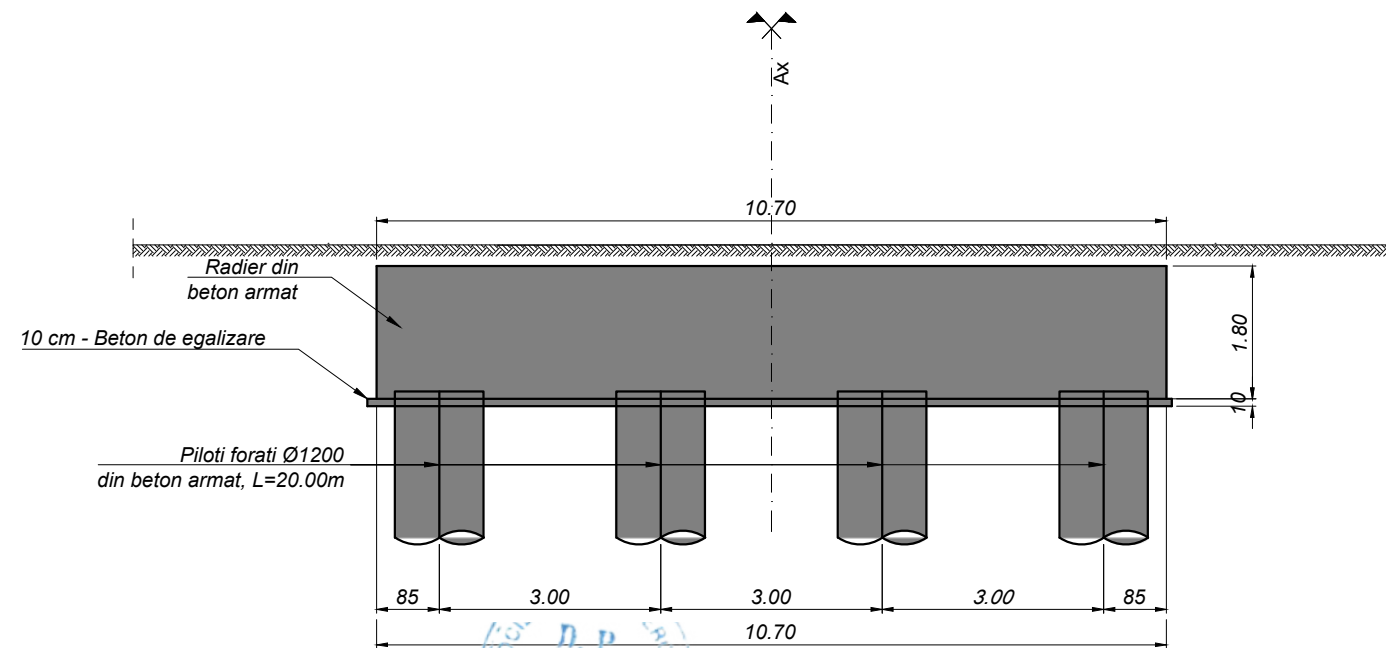
SECTIUNE TRANSVERSALA 1-1  
Sc 1:100



SECTIUNE TRANSVERSALA 2-2  
Sc 1:100



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



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

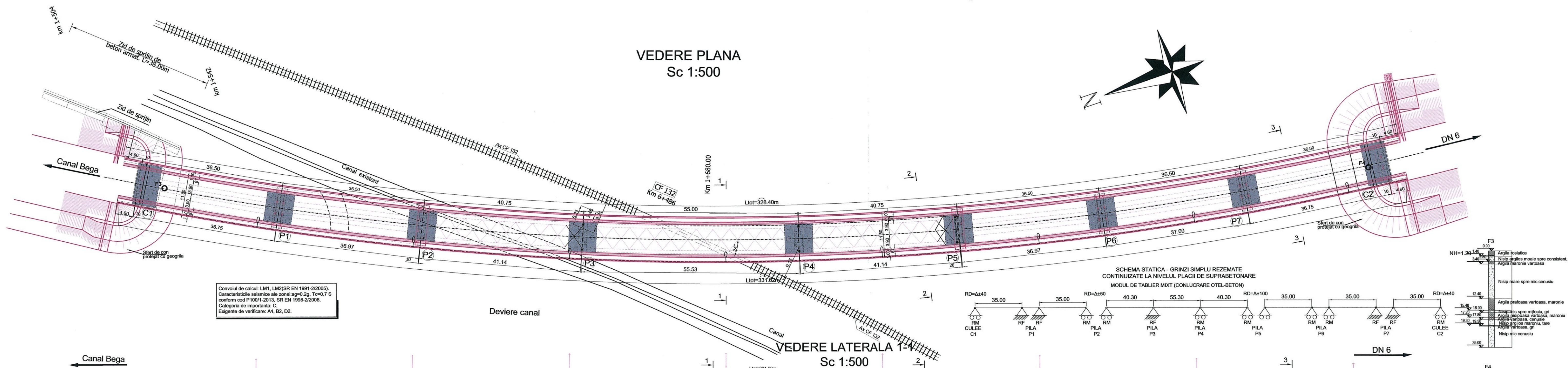
FAZA PROIECT  
PROIECT TEHNIC  
REST DE EXECUTAT  
Data : 03.2023  
VERIFICATOR TEHNIC

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

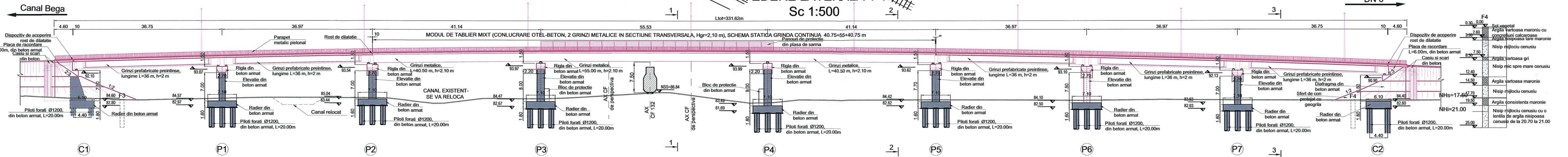
REVIZII			DENUMIRE PLANSĂ PASAJ KM 1+528 PESTE CF. 132 TIMISOARA VEST-CRUCENI RELEVU LUCRĂRI EXECUTATE Scara : 1:100 1:500 NUMAR PLANSĂ 10036-VOTM-STR02-RLV-01
NR. REV.	DATA	SEMN.	



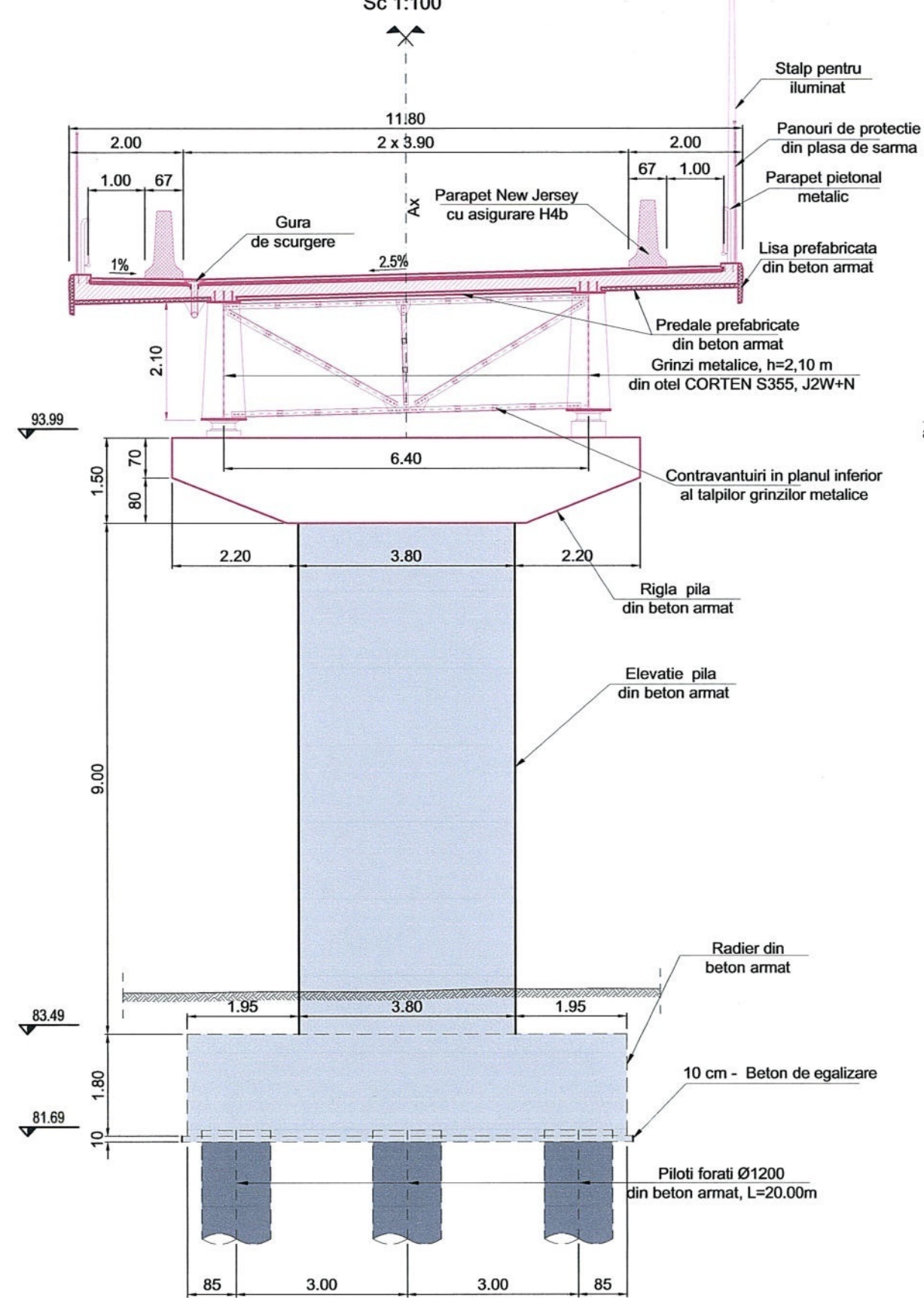
VEDERE PLANA  
Sc 1:500



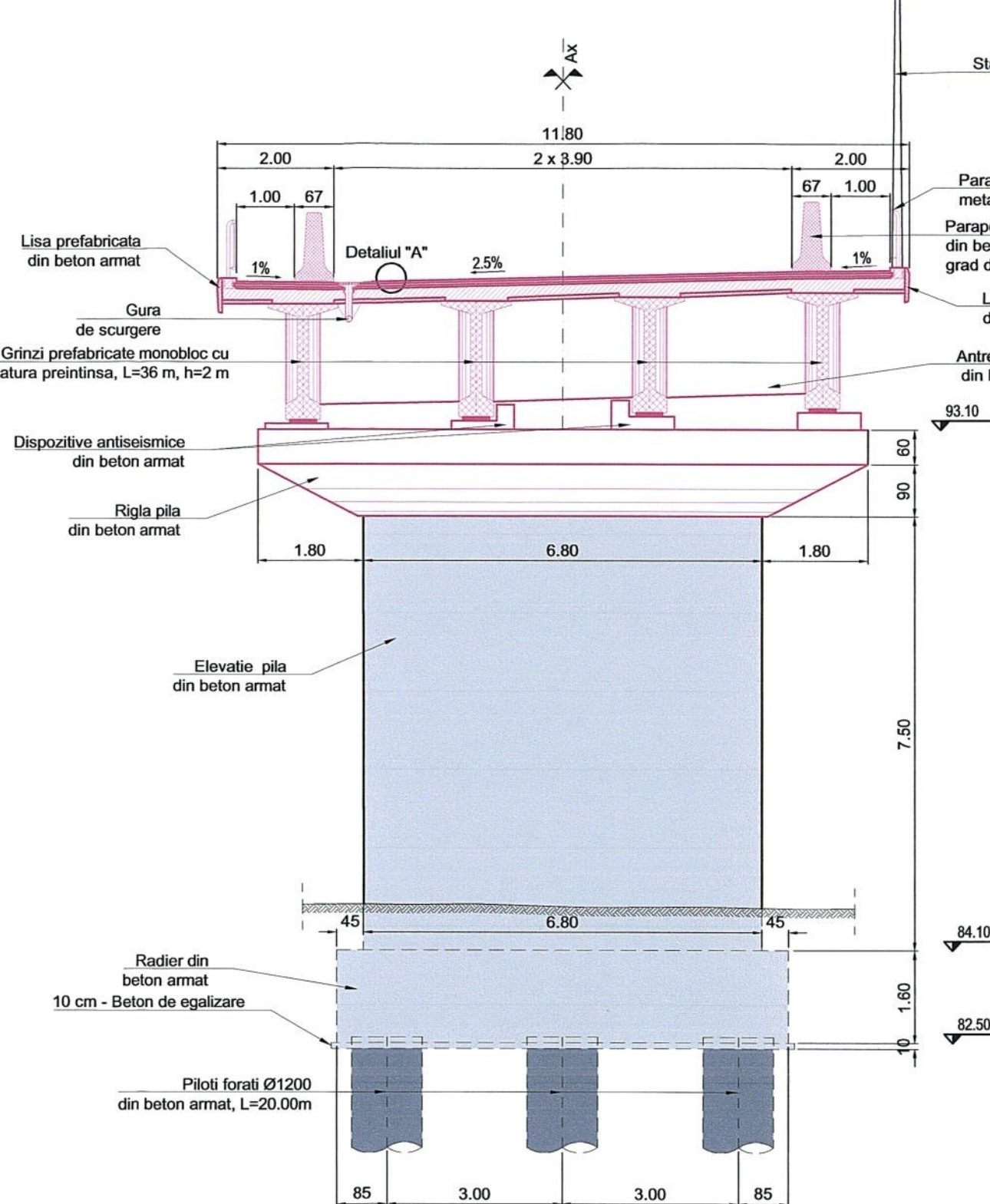
Conținutul de calcul: LM1, LM2(SR EN 1991-2/2005).  
Caracteristicile tehnice ale zonei:  $q_{0,2p}$ ,  $T_{0,7}$  s  
conform cod P1001-2013, SR EN 1998-2/2006.  
Categorie de importanță: C.  
Exigente de verificare: A4, B2, D2.



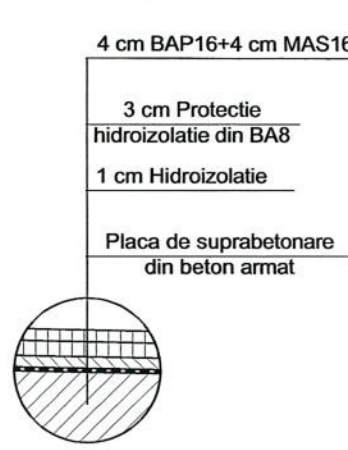
SECȚIUNE TRANSVERSALA 1-1  
Sc 1:100



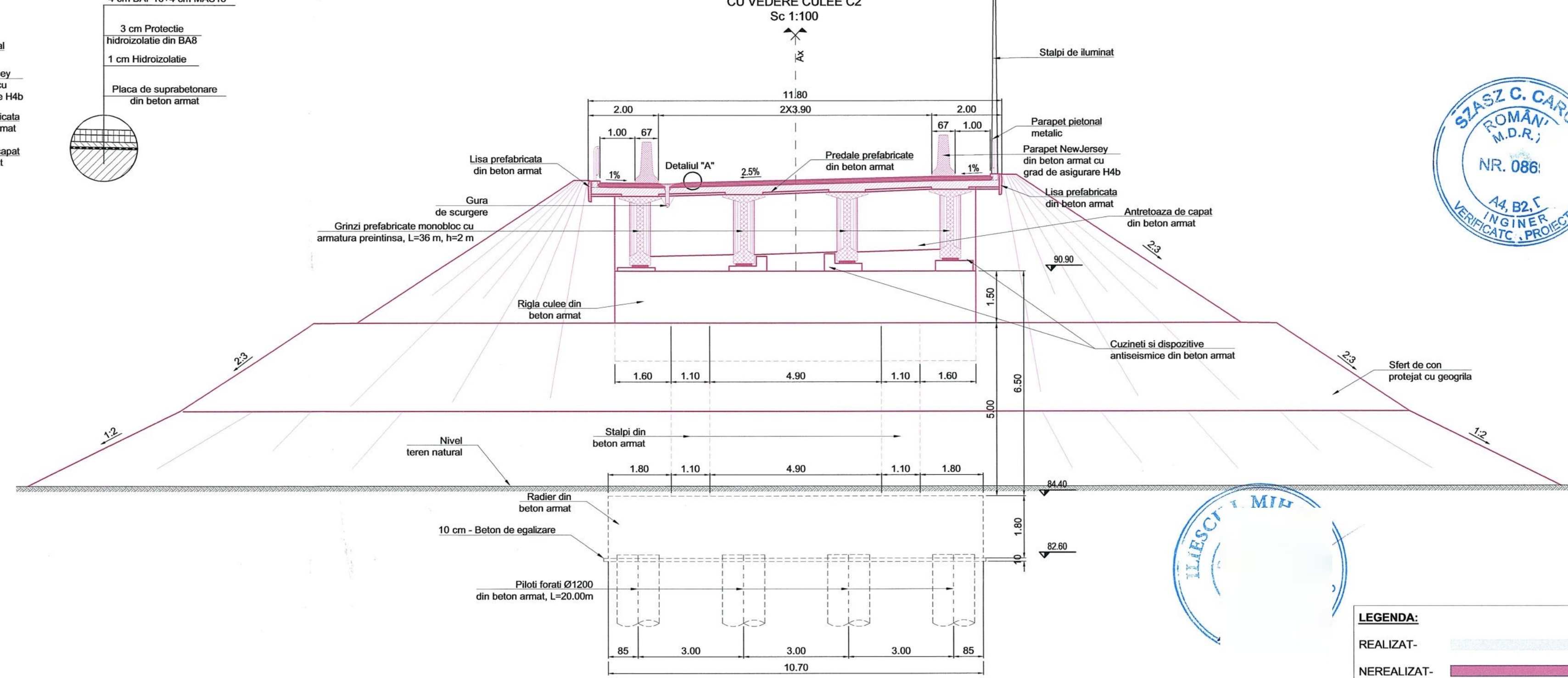
SECȚIUNE TRANSVERSALA 2-2  
PRIN TABLIER CU GRINZI SI PREDALE  
Sc 1:100



Detaliul "A"



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

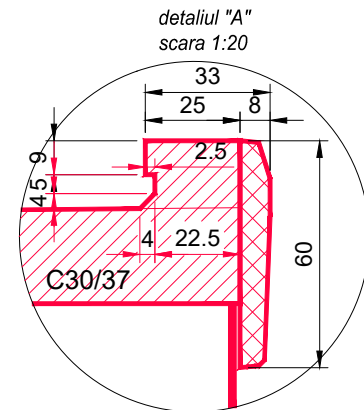
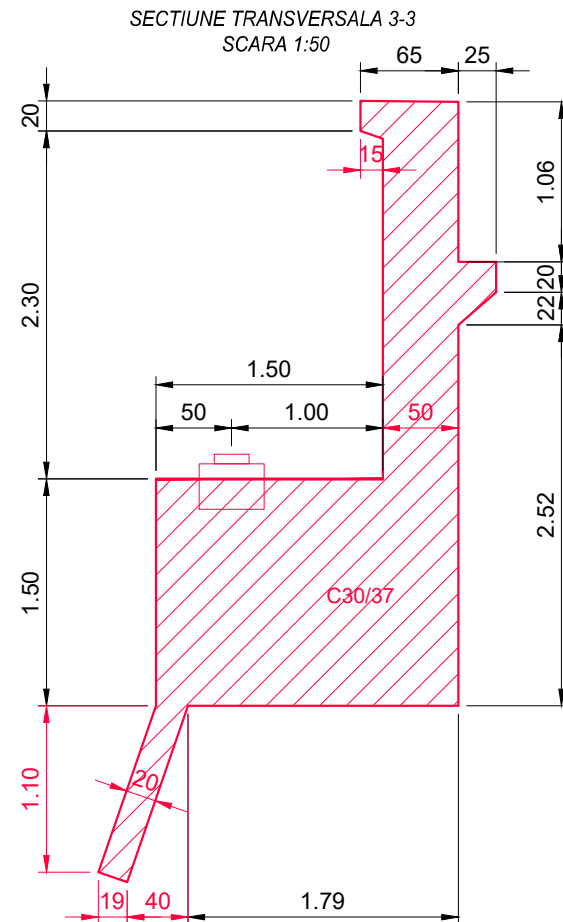
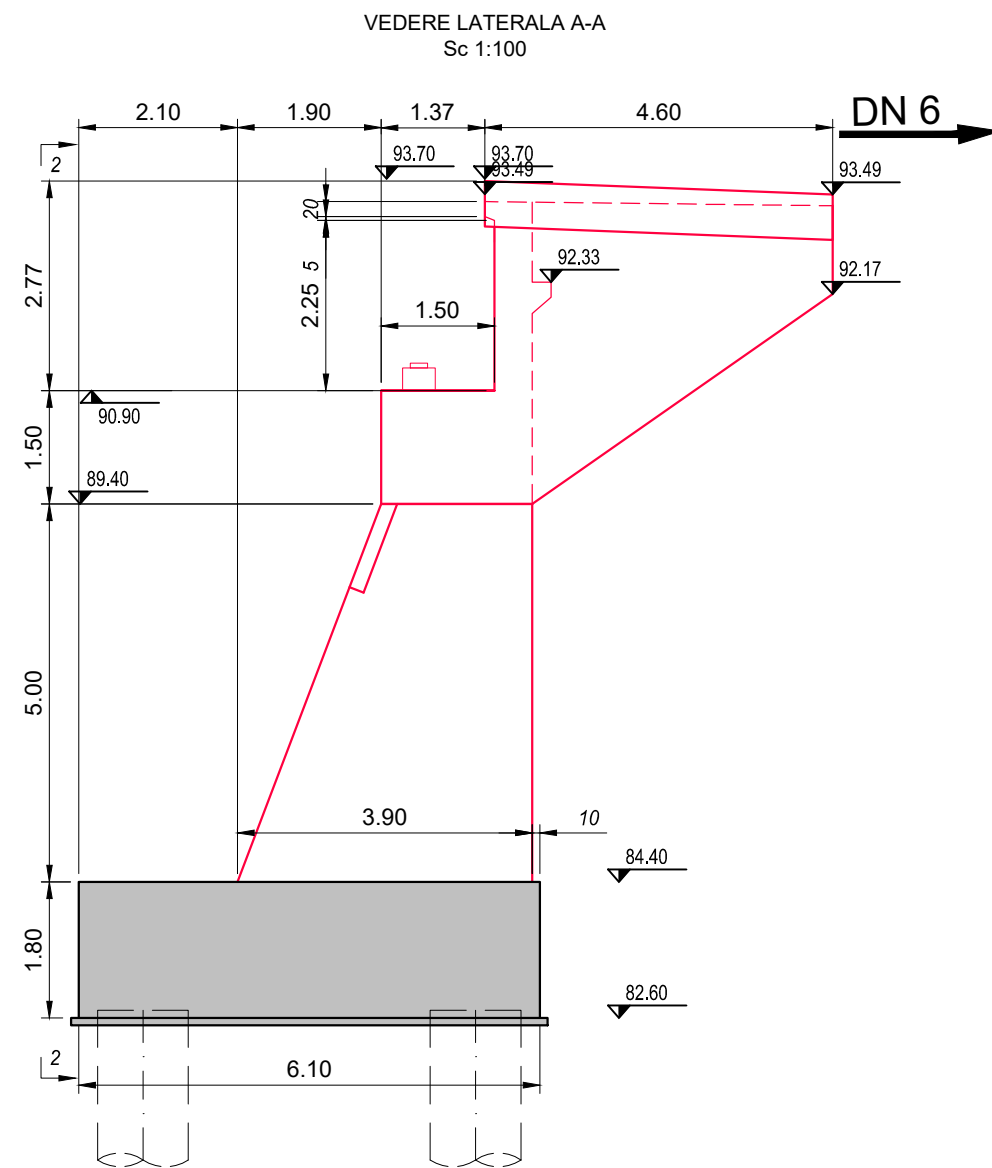
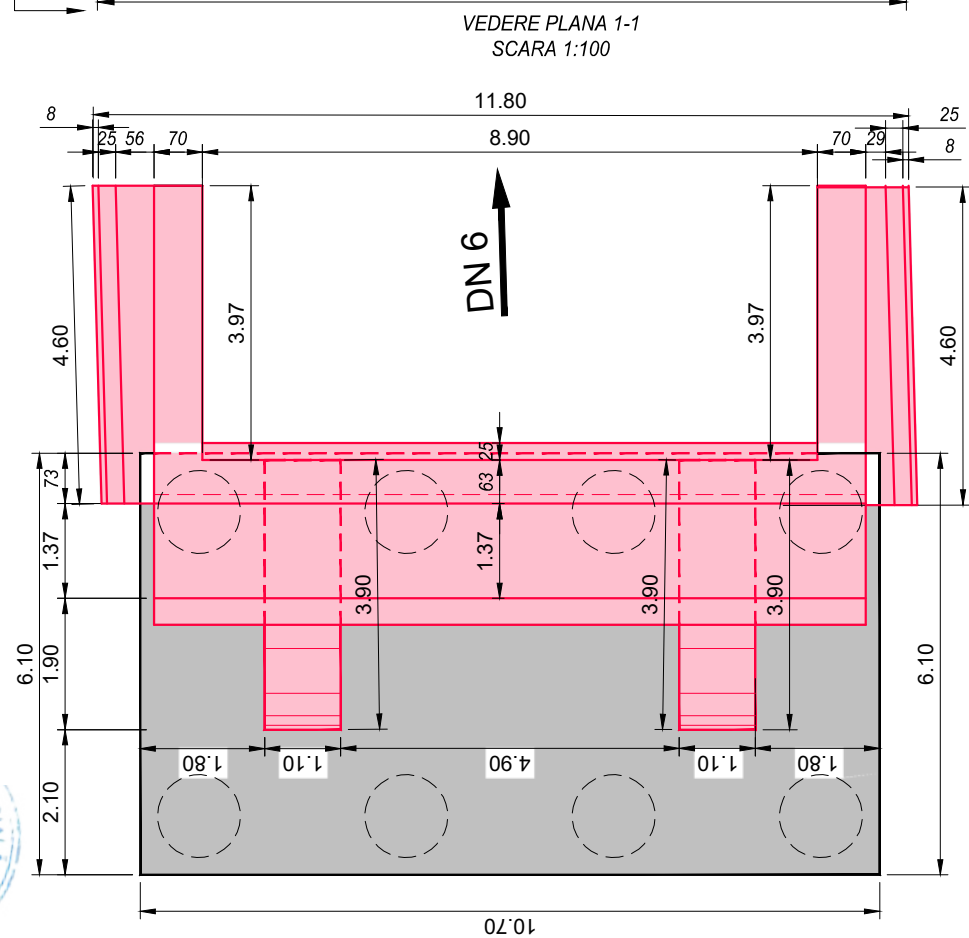
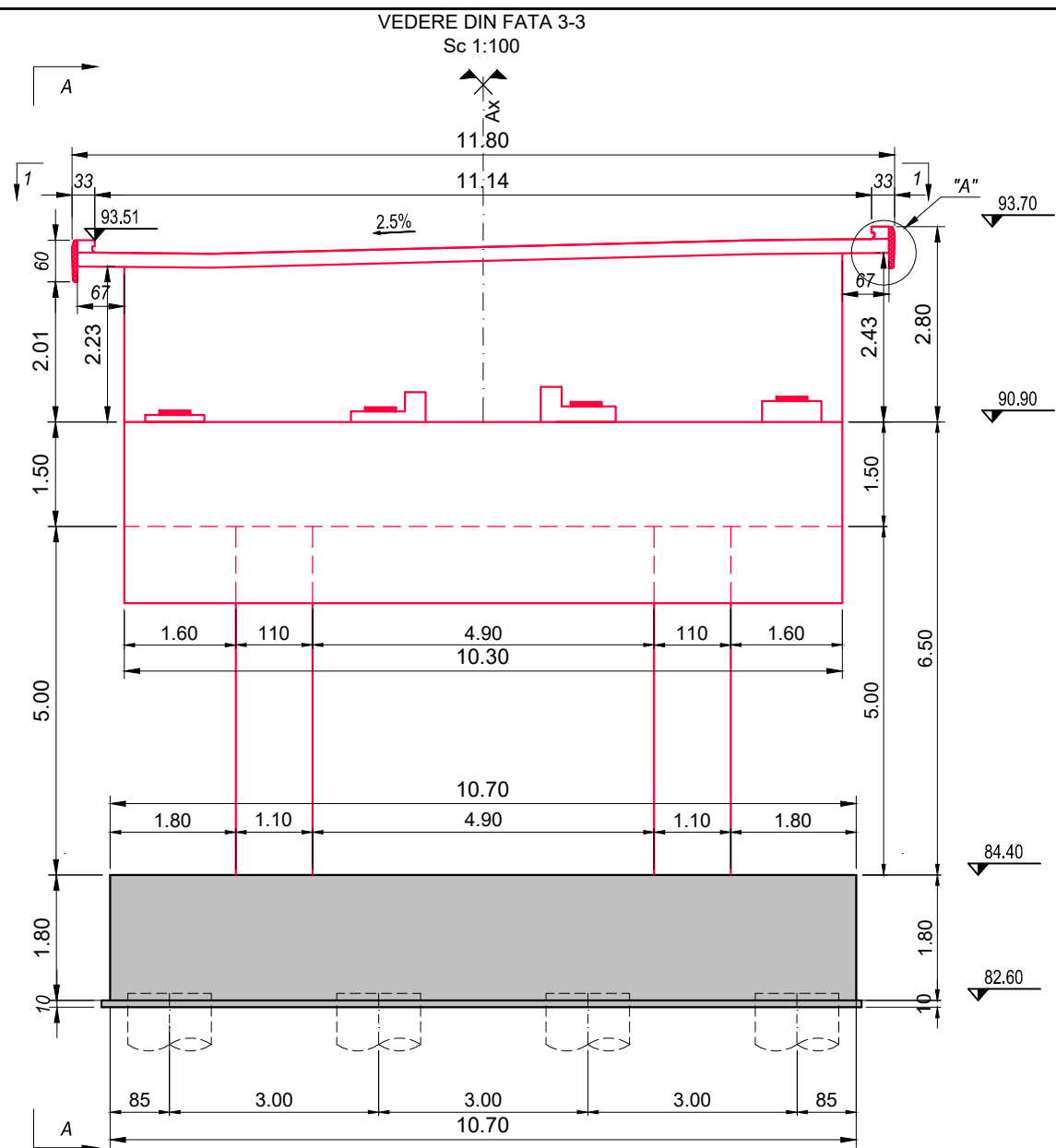


LEGENDA:  
REALIZAT-  
NEREALIZAT-

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

INVESTITOR COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE SA	D.P. CONSULT S.A. PROIECTANT GENERAL CONSULT D.P. CONSULT S.A.	AMPLASAMENT TIMISOARA	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: 0.55  
Dozaj min. ciment: 300 Kg/m<sup>3</sup>

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/m<sup>3</sup>

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/m<sup>3</sup>

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

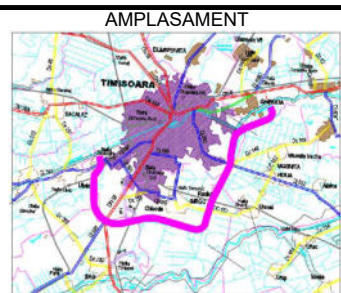


COMPANIA NATIONALA DE ADMINISTRARE  
A INFRASTRUCTURII RUTIERE S.A.

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.

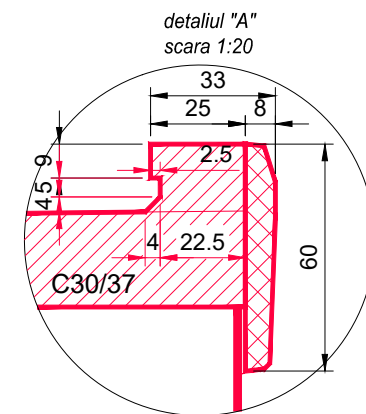
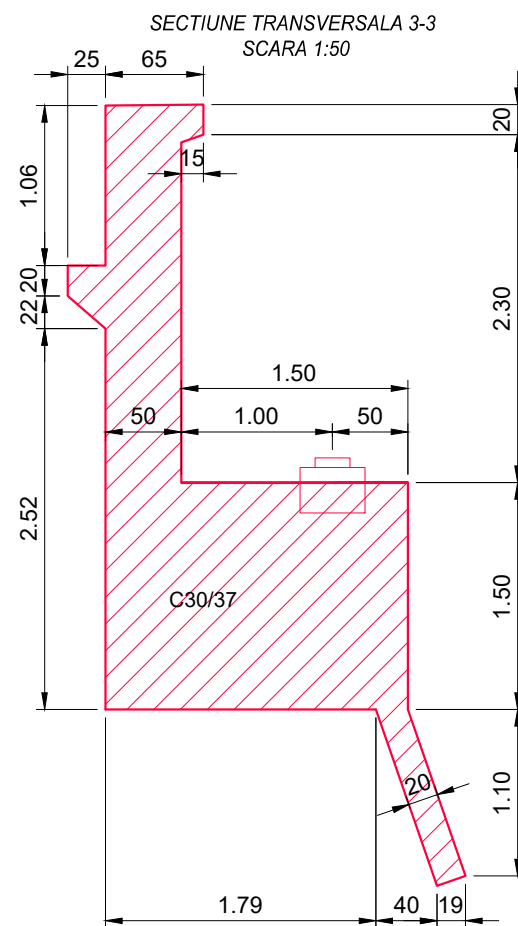
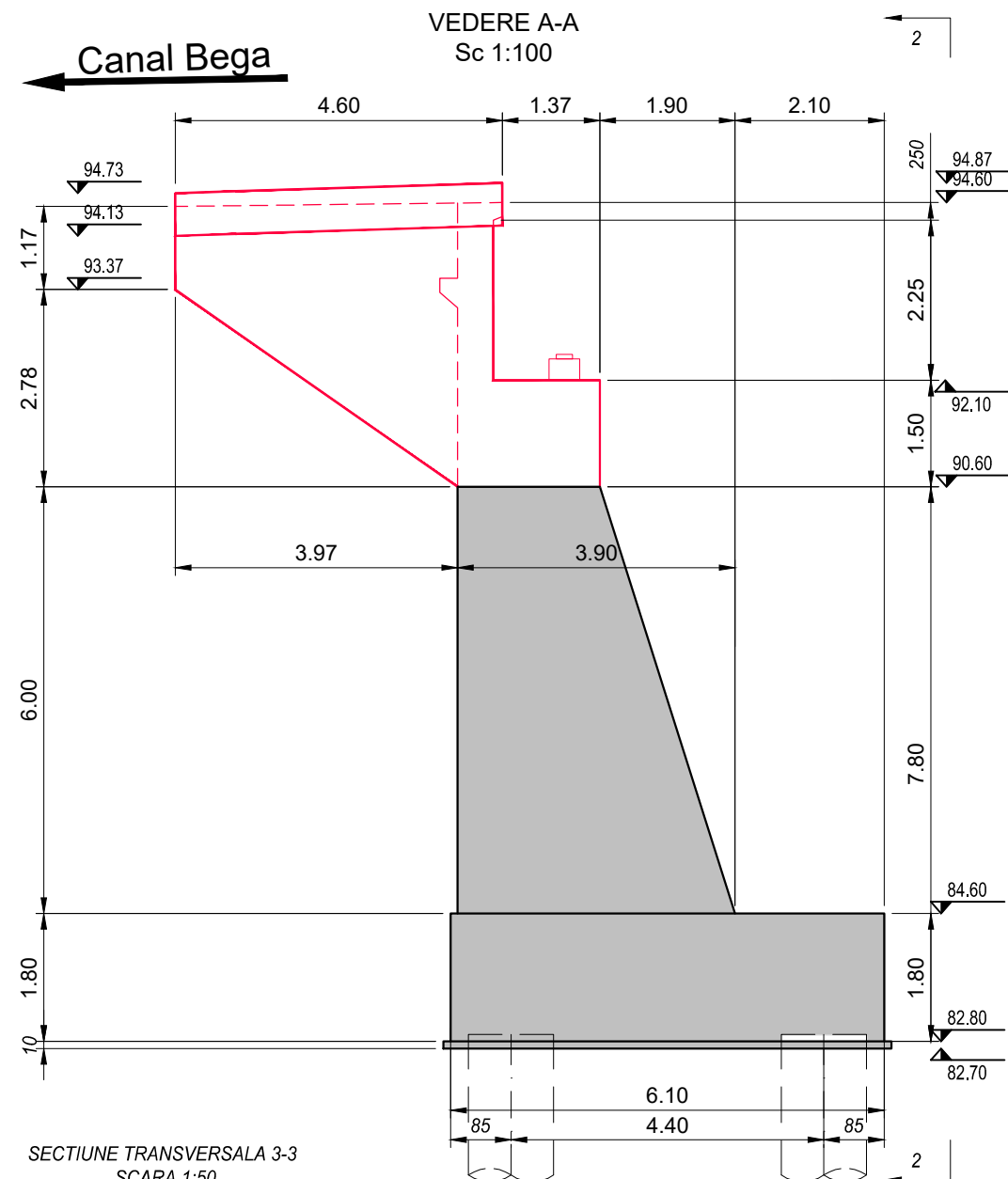
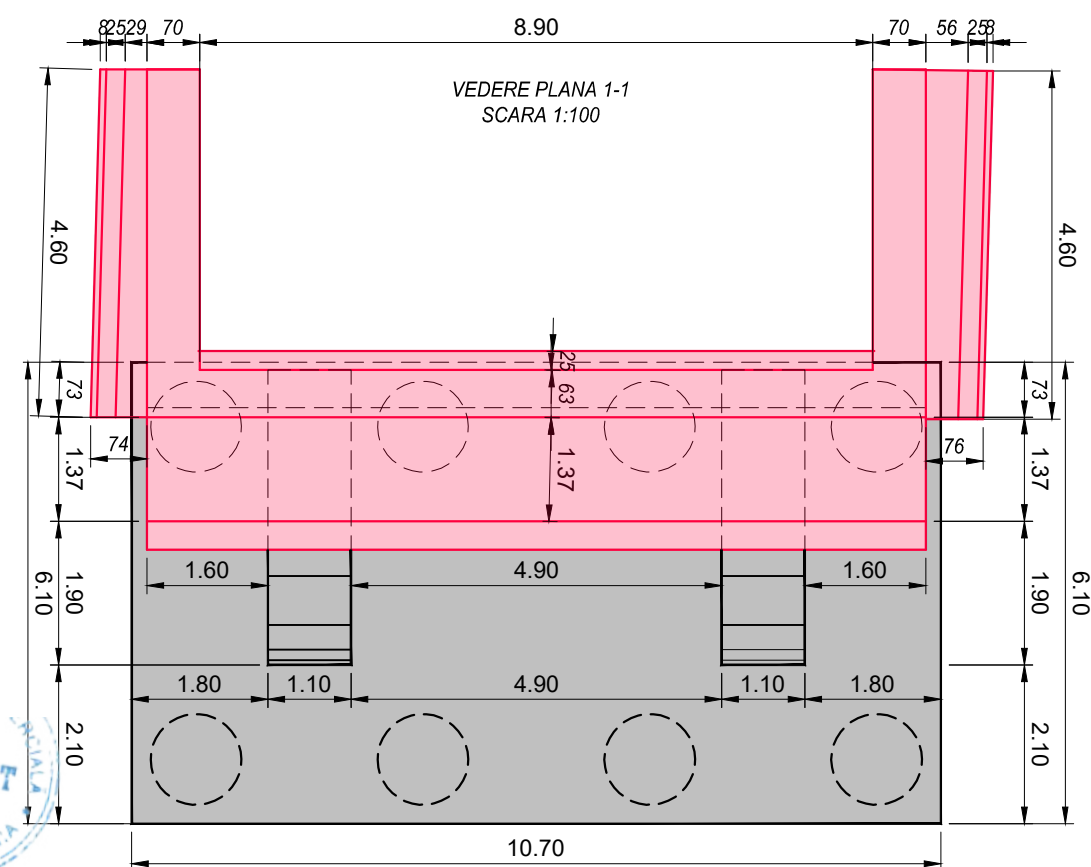
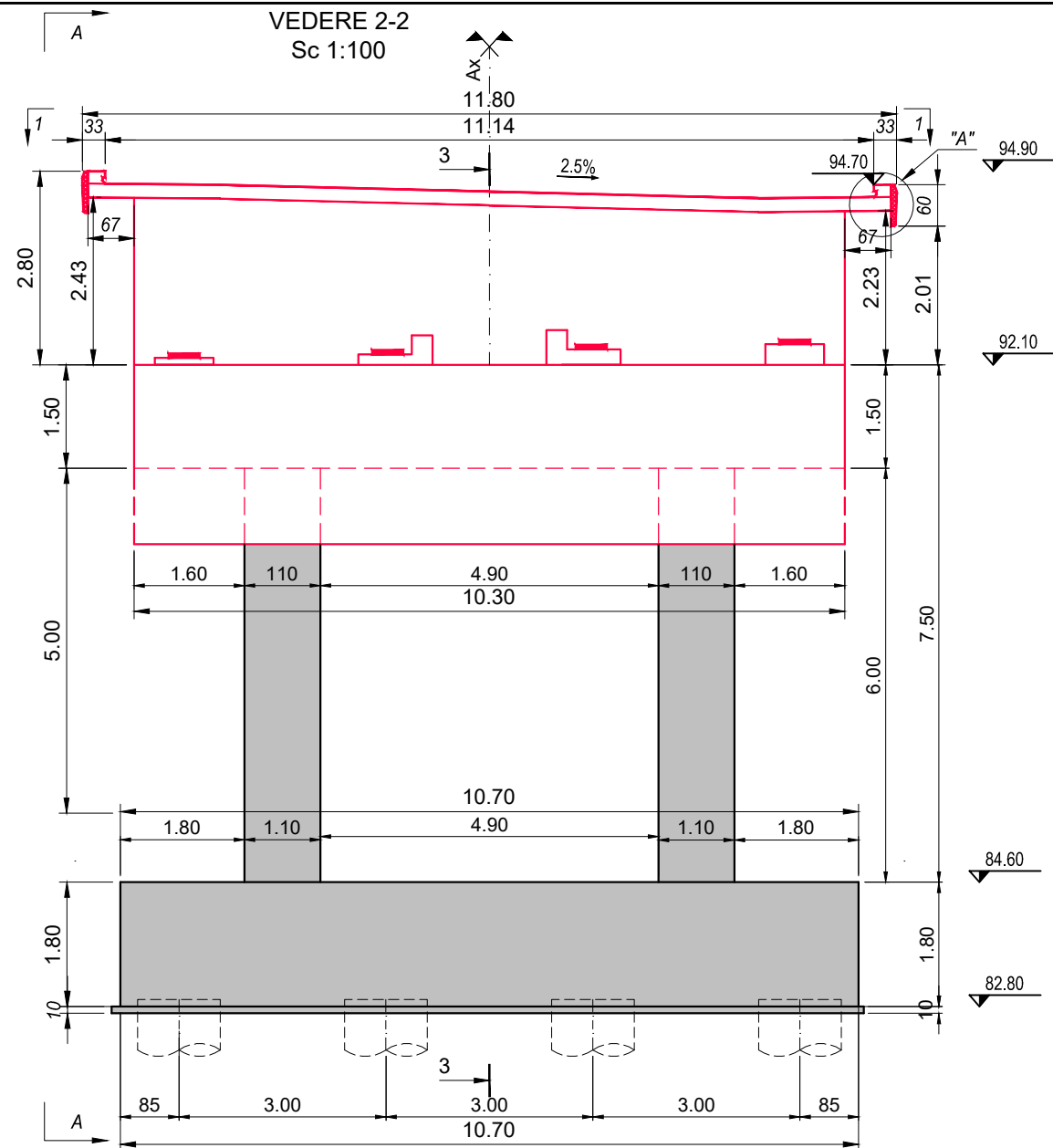
DENUMIRE PLANSĂ

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: 0.55<sup>3</sup>  
Dozaj min. ciment: 300 Kg/m<sup>3</sup>

**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/m<sup>3</sup>

**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/m<sup>3</sup>



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

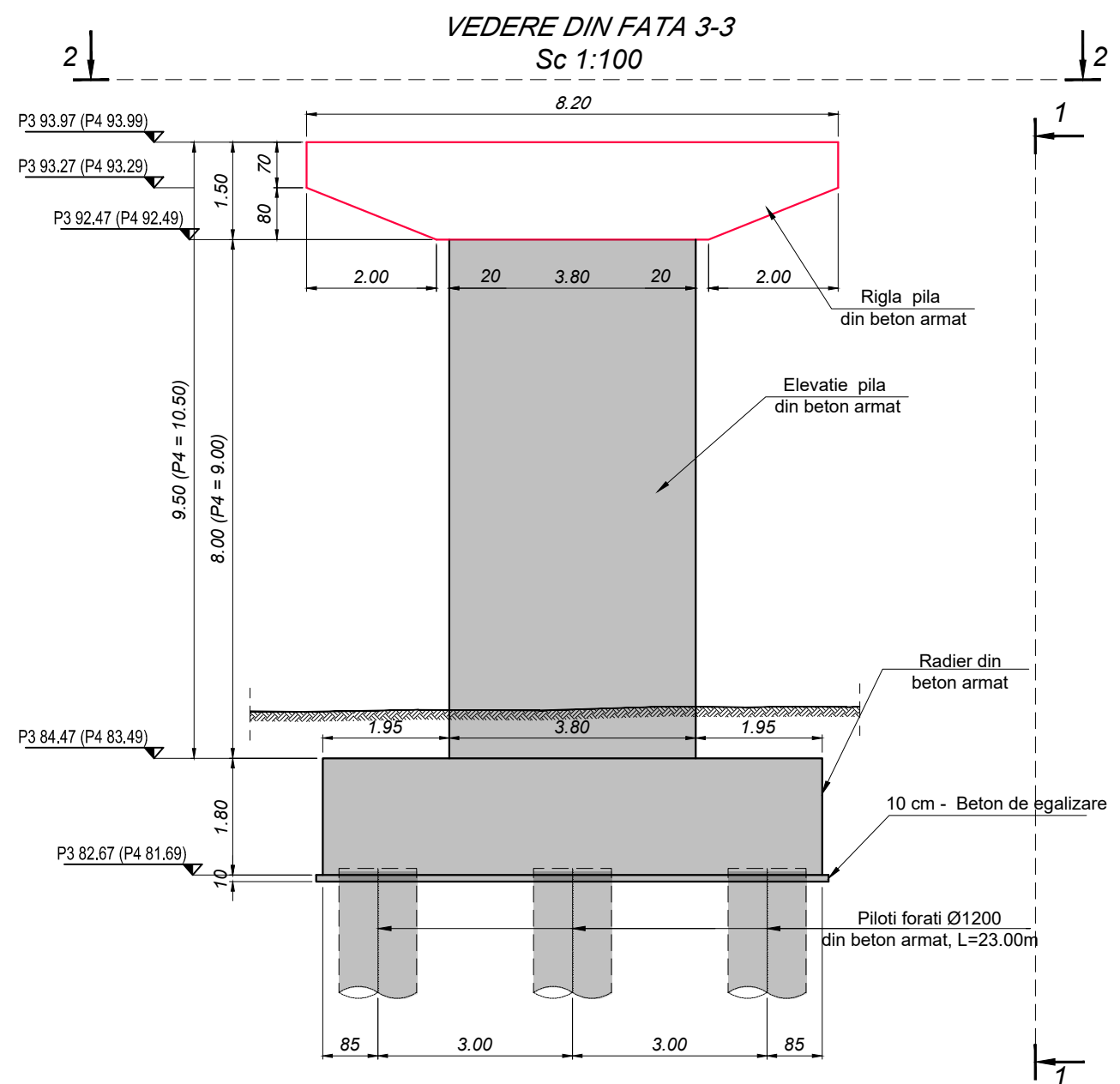
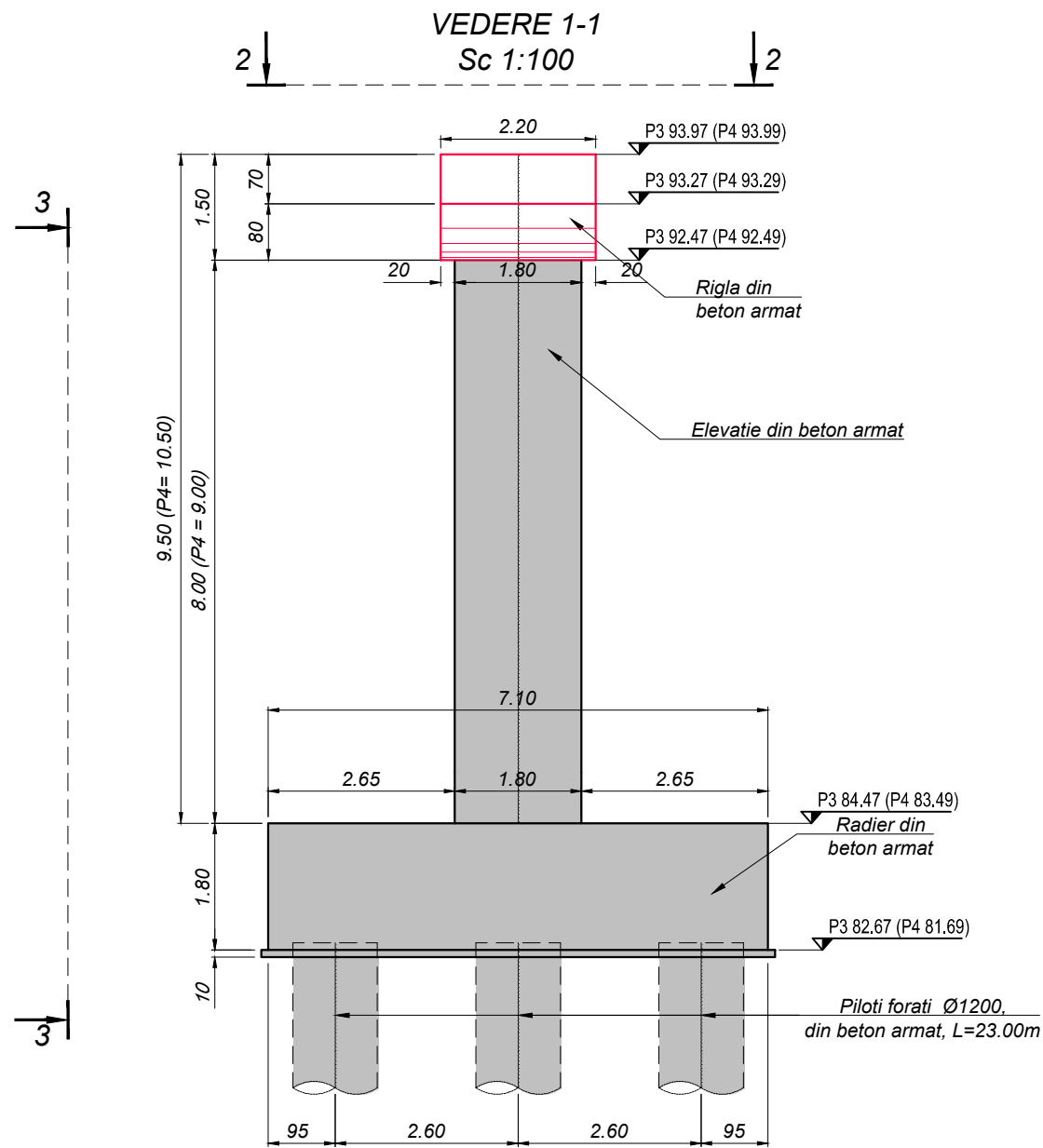
**NUMAR PLANSA**

10036-VOTM-STR02-Ci-01









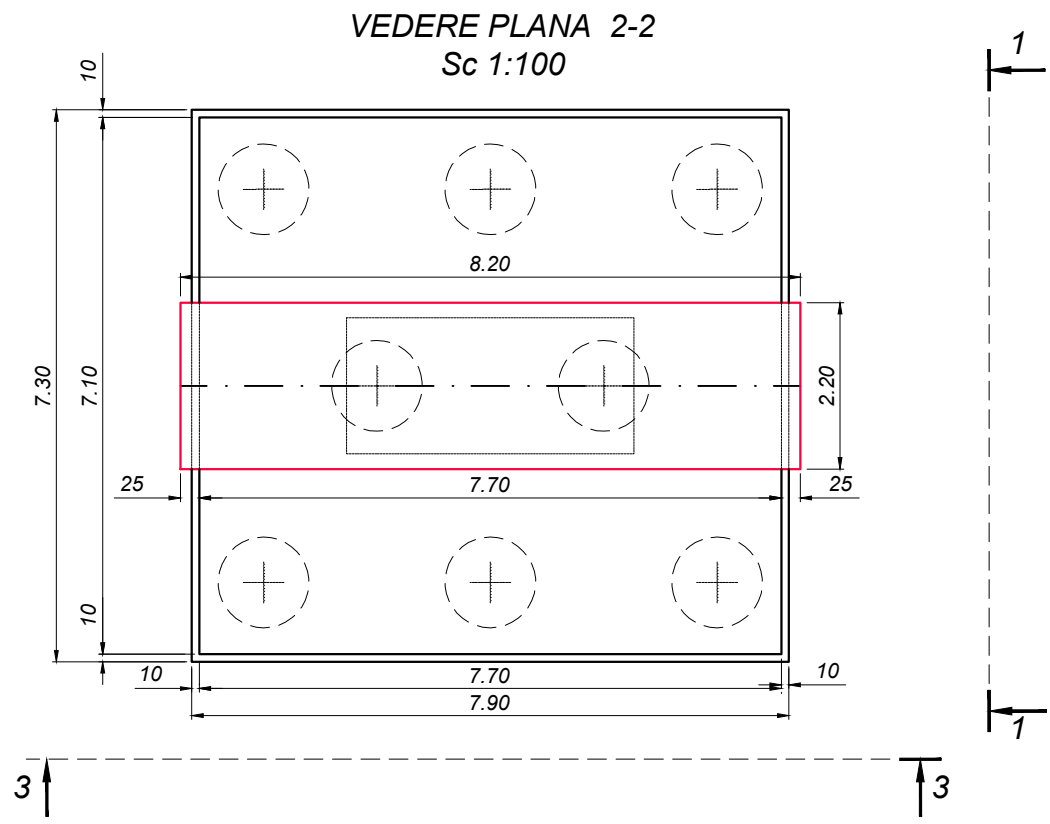
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BETON EGALIZARE**  
Beton: C8/10  
Otel: -  
Clasa de expunere: -  
Valoare max. A/C: -  
Dozaj min. ciment: -




**CERINTE DE CALITATE  
RADIARE/FUNDATII**  
Beton: C25/30  
Otel: BST500C  
Clasa de expunere: XC2, XF3.  
Valoare max. A/C: 0.55<sup>3</sup>  
Dozaj min. ciment: 300 Kg/m<sup>3</sup>

**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/m<sup>3</sup>

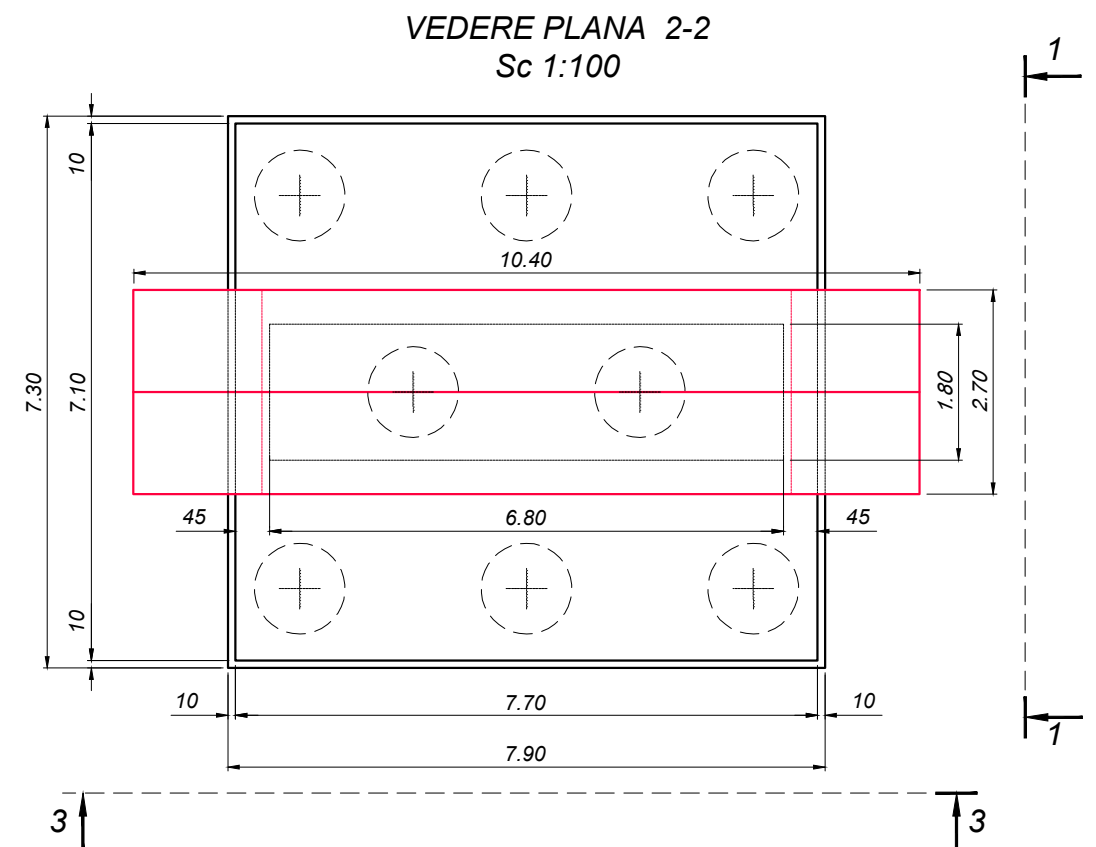
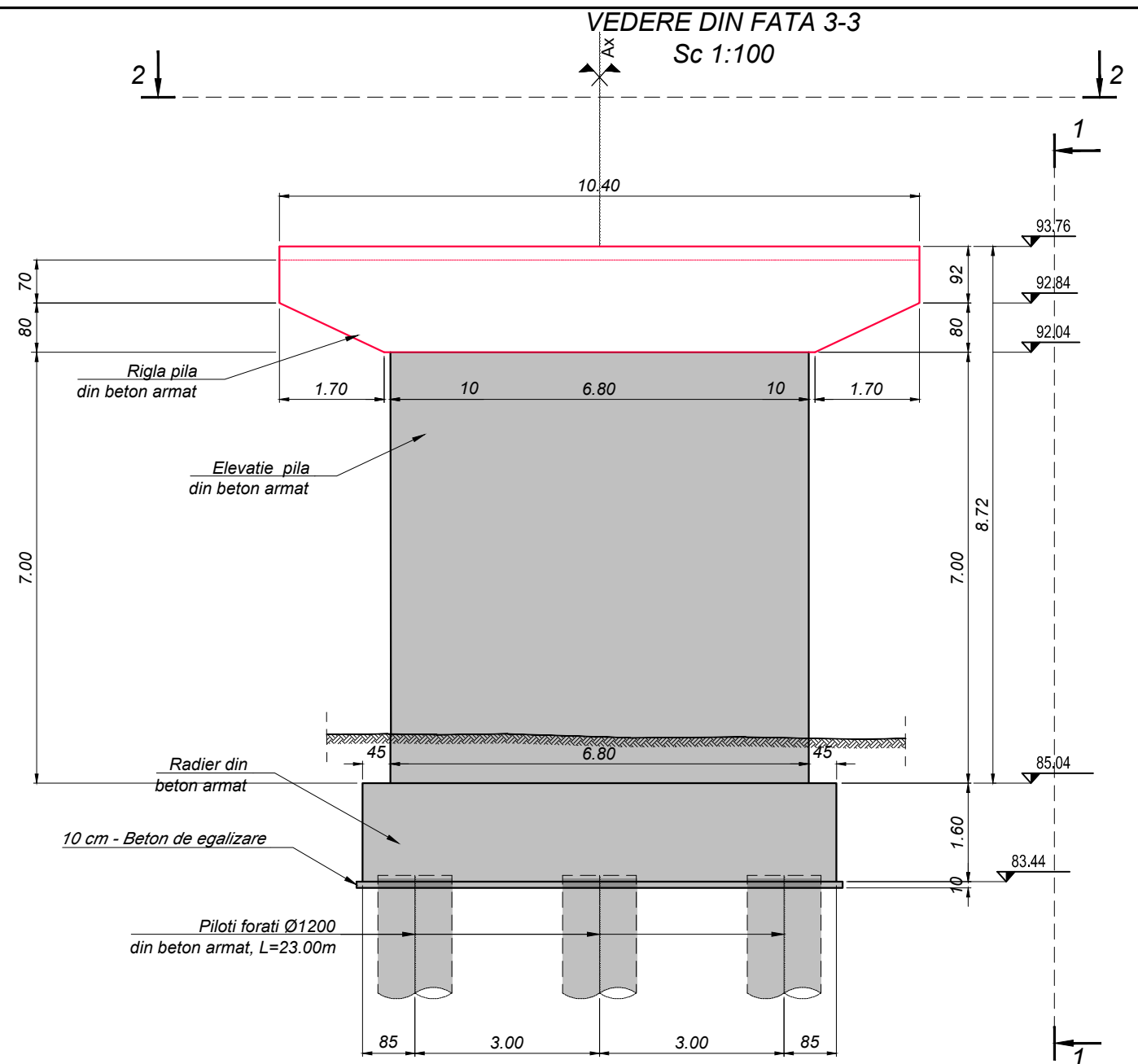
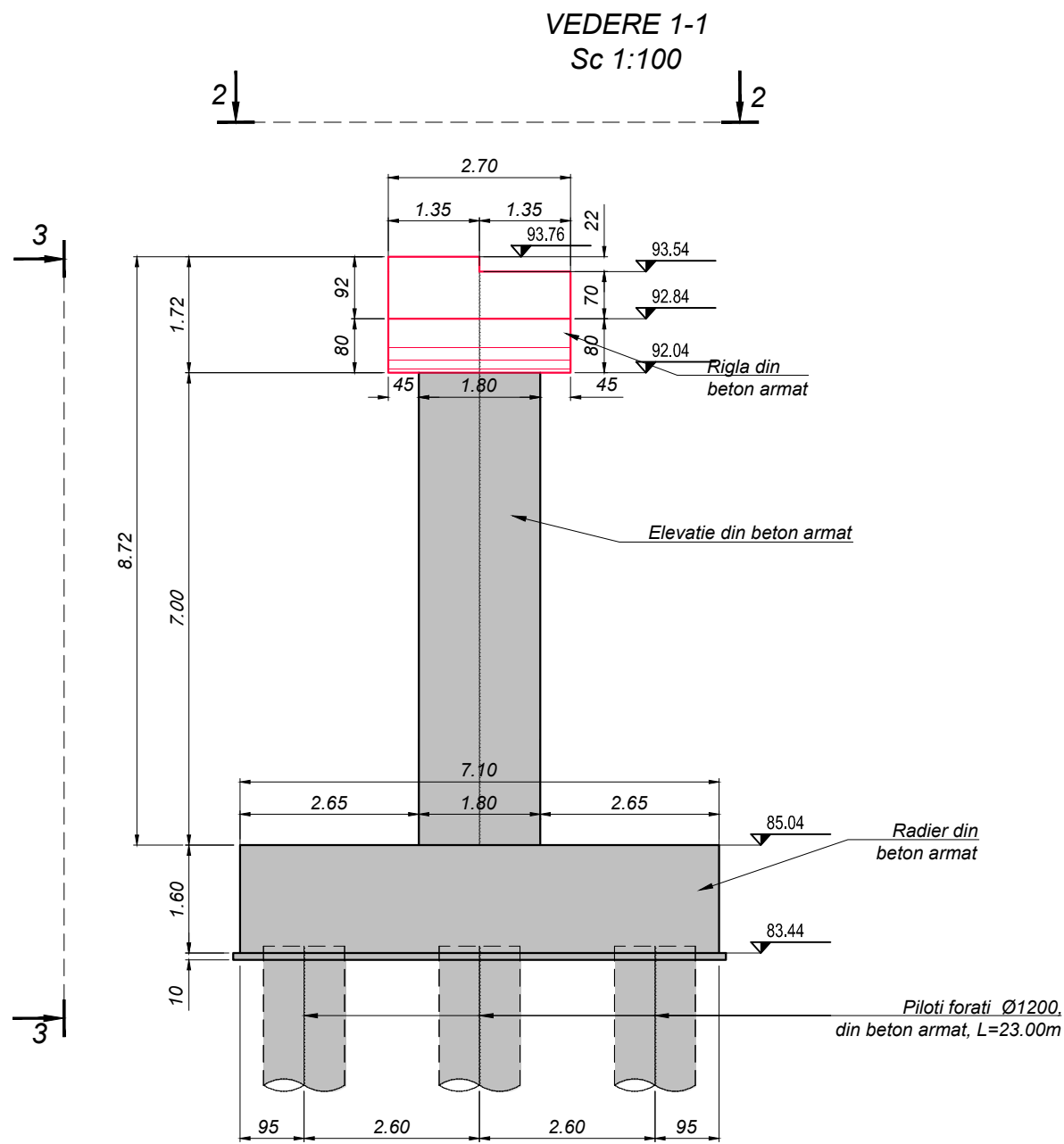
**NOTA:**  
- Toate elementele de beton in contact cu pamantul se vor proteja cu emulsie bituminoasa sau alte solutii de protectie anticoroziva

**LEGENDA:**  
REALIZAT-  
NEREALIZAT-



<div><div>INVESTITOR</div><div></div><div>COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE S.A.</div></div>	<div><div>PROIECTANT GENERAL</div><div></div><div>D P CONSULT S.A.</div></div>	<div><div>AMPLASAMENT</div><div></div></div>	<div><div>DENUMIRE PROIECT PROIECTARE SI EXECUTIE "VARIANTA DE OCOLIRE TIMISOARA SUD" ELABORARE PROIECT TEHNIC REST DE EXECUTAT</div><div>NUMAR CONTRACT: 550/36/09.02.2023</div><div>NUMAR PROIECT : 556</div></div>	<div><div>FAZA PROIECT PROIECT TEHNIC REST DE EXECUTAT</div><div>Data : 03.2023</div><div>VERIFICATOR TEHNIC</div></div>	<div><div>Manager de Proiect ing. Silvan Moldovan</div><div>Sef Echipa Proiectare ing. Raul Cocis</div><div>Inginer Proiectant Poduri ing. Attila Takacs</div><div>Inginer Proiectant ing. Teodor Sabadis</div></div>	<table><tr><th colspan="3">REVIZII</th></tr><tr><th>NR. REV.</th><th>DATA</th><th>SEMN.</th></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>	REVIZII			NR. REV.	DATA	SEMN.										<div><div>DENUMIRE PLANSA</div><div>PASAJ KM 1+528 PESTE CF 132 TIMISOARA VEST-CRUCENI PLAN COFRAJ PILE 3 SI 4</div><div>Scara : 1:100</div><div>NUMAR PLANSA</div><div>10036-VOTM-STR02-Ci-04</div></div>
REVIZII																						
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: 0.55<sup>3</sup>  
Dozaj min. ciment: 300 Kg/m<sup>3</sup>

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/m<sup>3</sup>

NOTA:

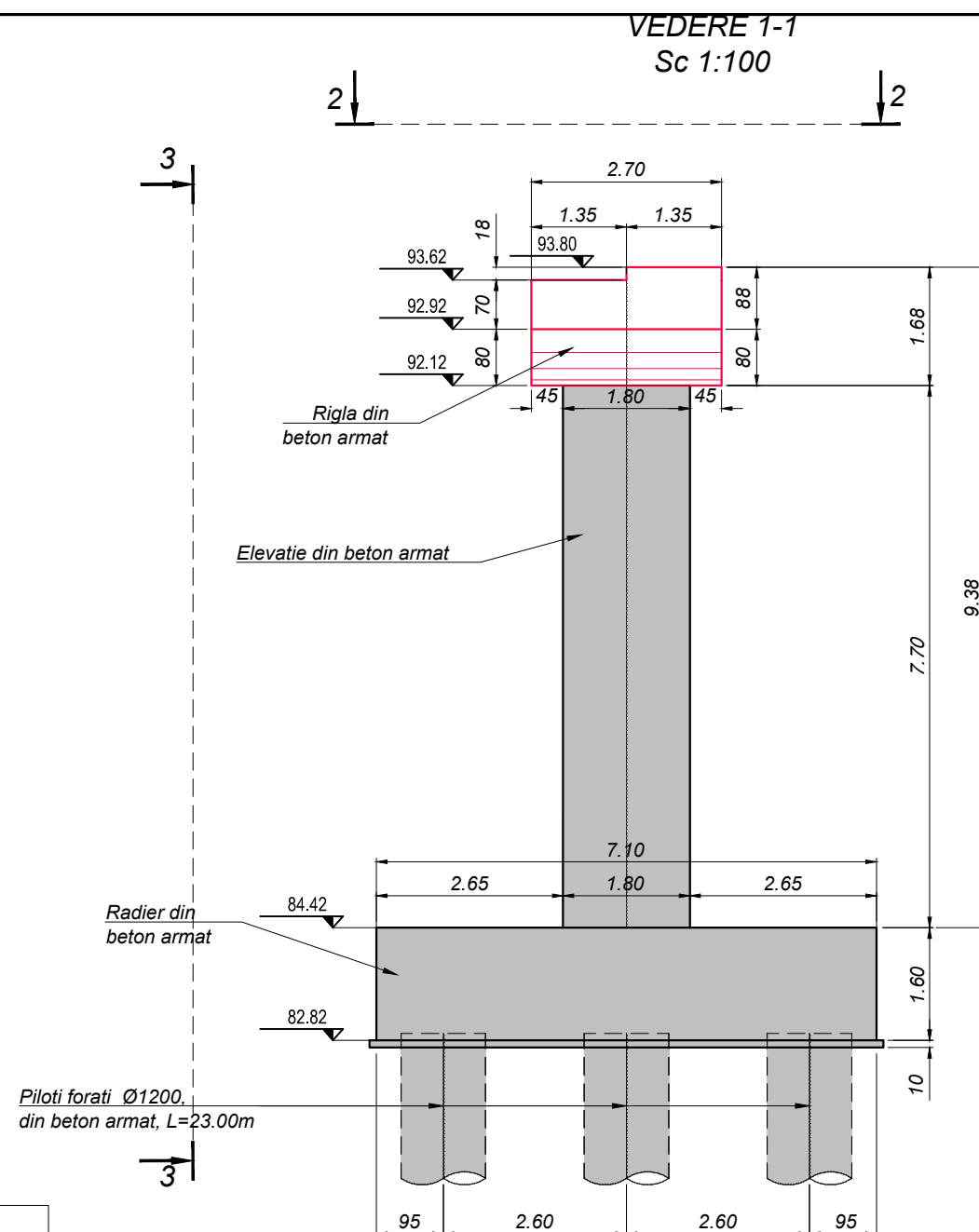
- Toate elementele de beton in contact cu pamantul se vor proteja cu emulsie bituminoasa sau alte solutii de protectie anticoroziva

LEGENDA:

REALIZAT-

NEREALIZAT-





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

<p align="center"><b>CERINTE DE CALITATE RADIERE/FUNDATII</b></p> <p>Beton: C25/30  Otel: BST500C  Clasa de expunere: XC2, XF3.  Valoare max. A/C: 0.55<sup>a</sup>  Dozaj min. ciment: 300 Kg/m<sup>3</sup></p>
--

<p align="center"><b>CERINTE DE CALITATE ELEVATII</b></p> <p>Beton: C30/37  Otel: BST500C  Clasa de expunere: XC4, XD1, XF2.  Valoare max. A/C: 0.50  Dozaj min. ciment: 300 Kg/m<sup>3</sup></p>
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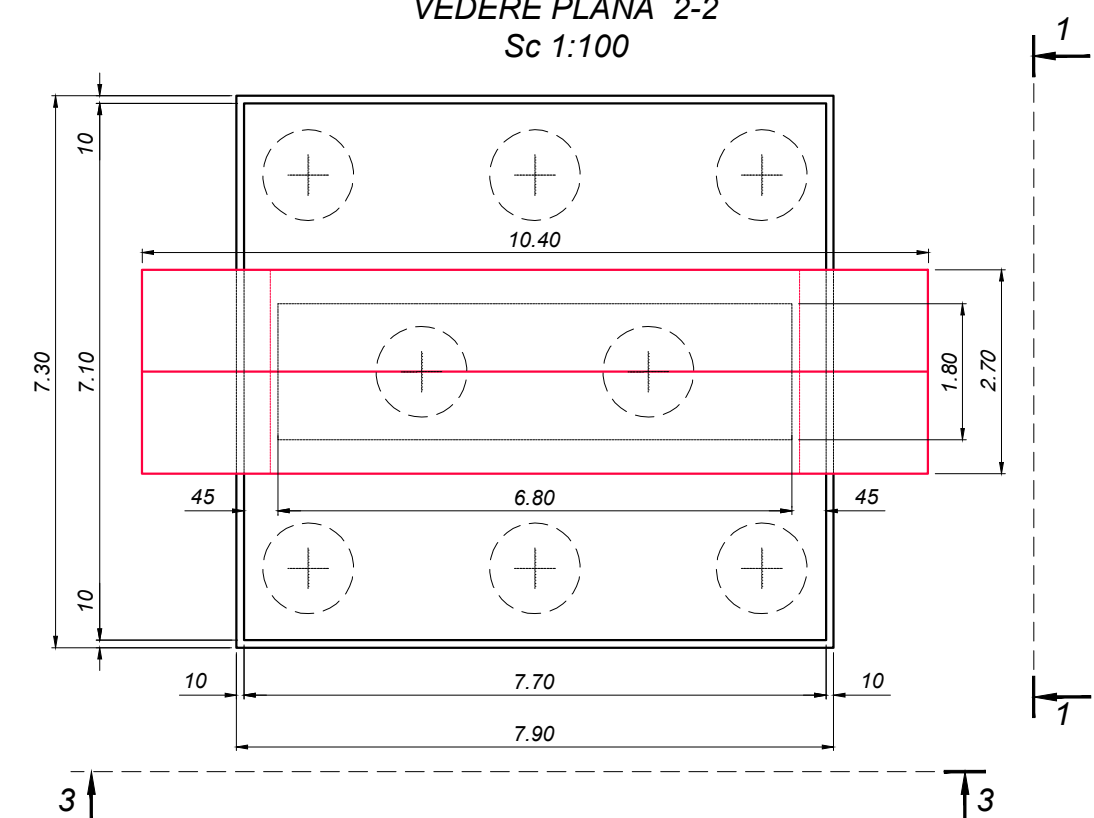
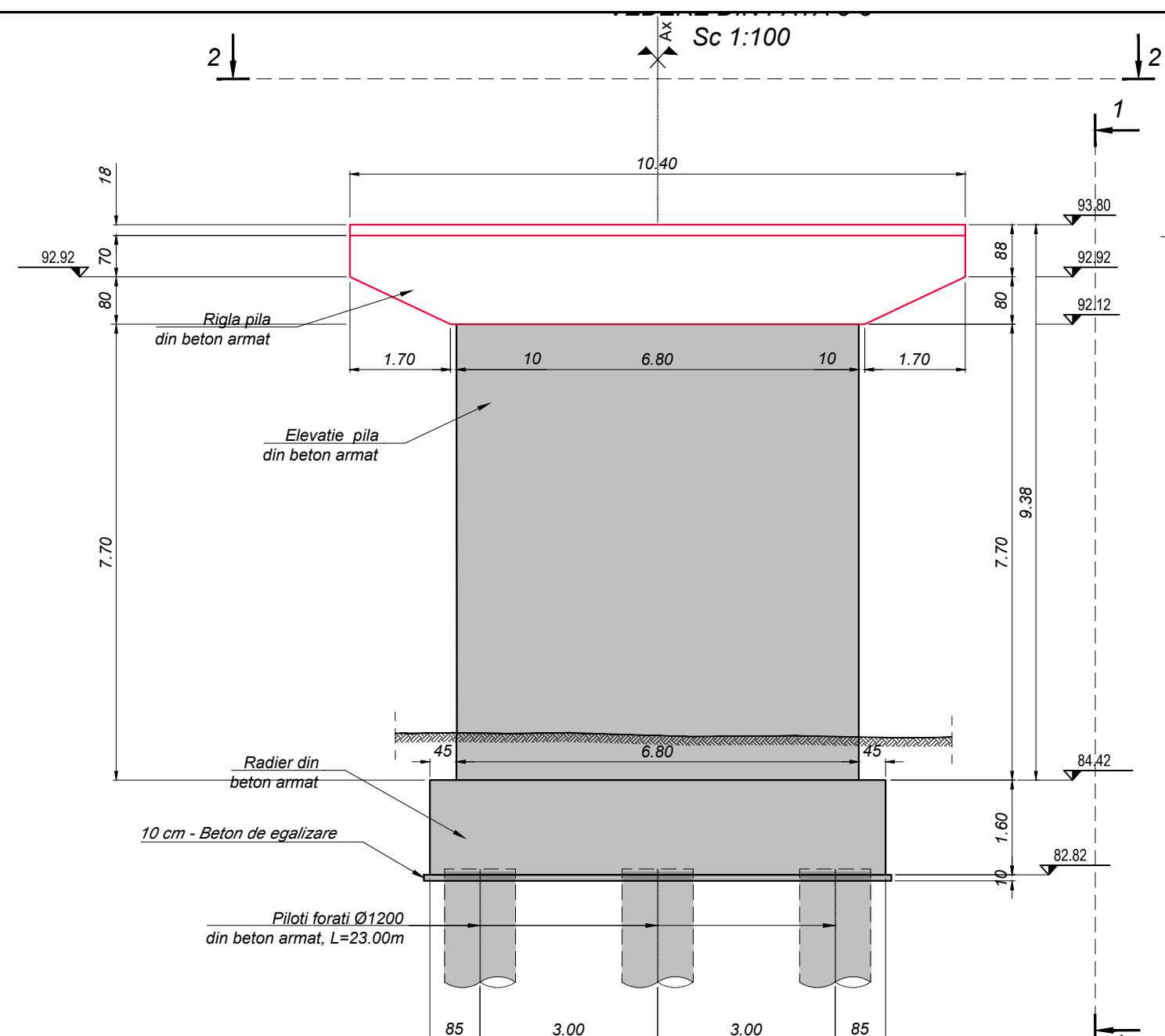
NOTA:

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

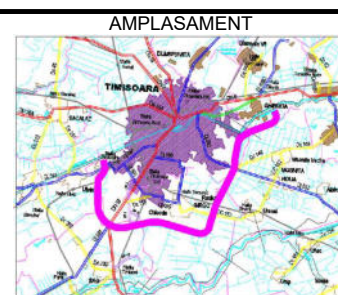
**LEGENDA:**

REALIZAT-

NEREALIZAT-



## PROIECTANT GENERAL



**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

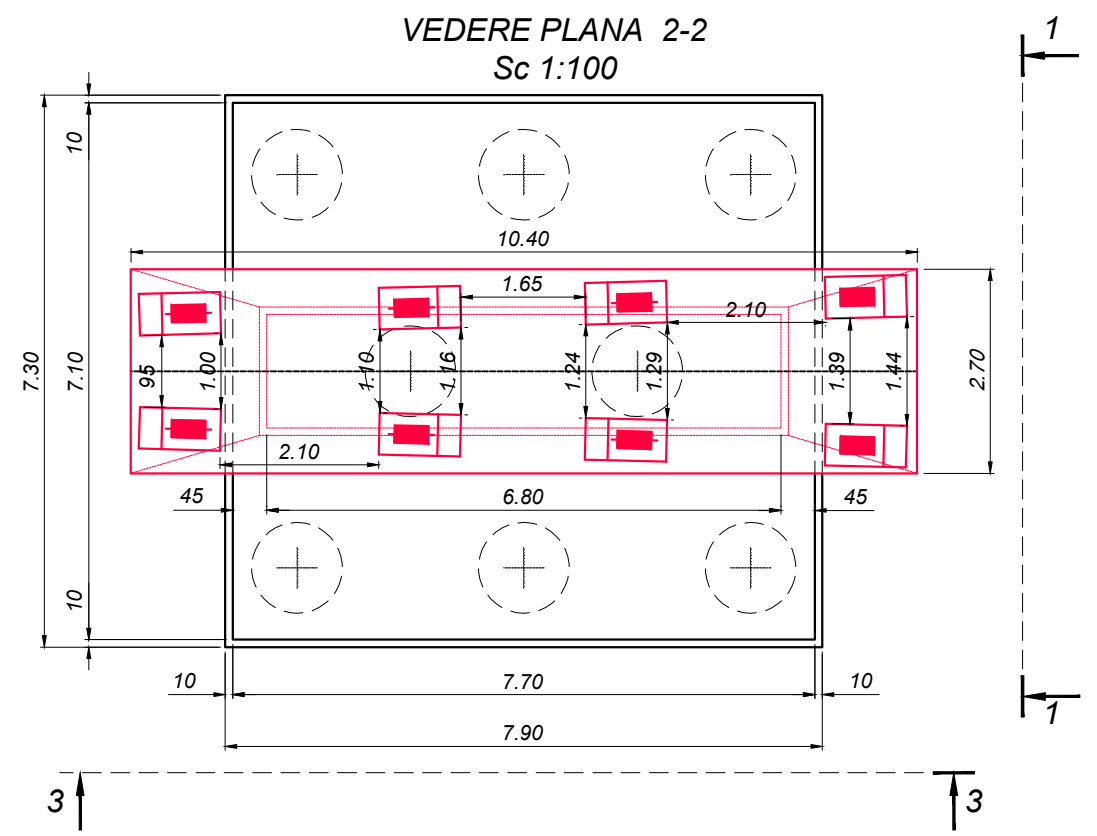
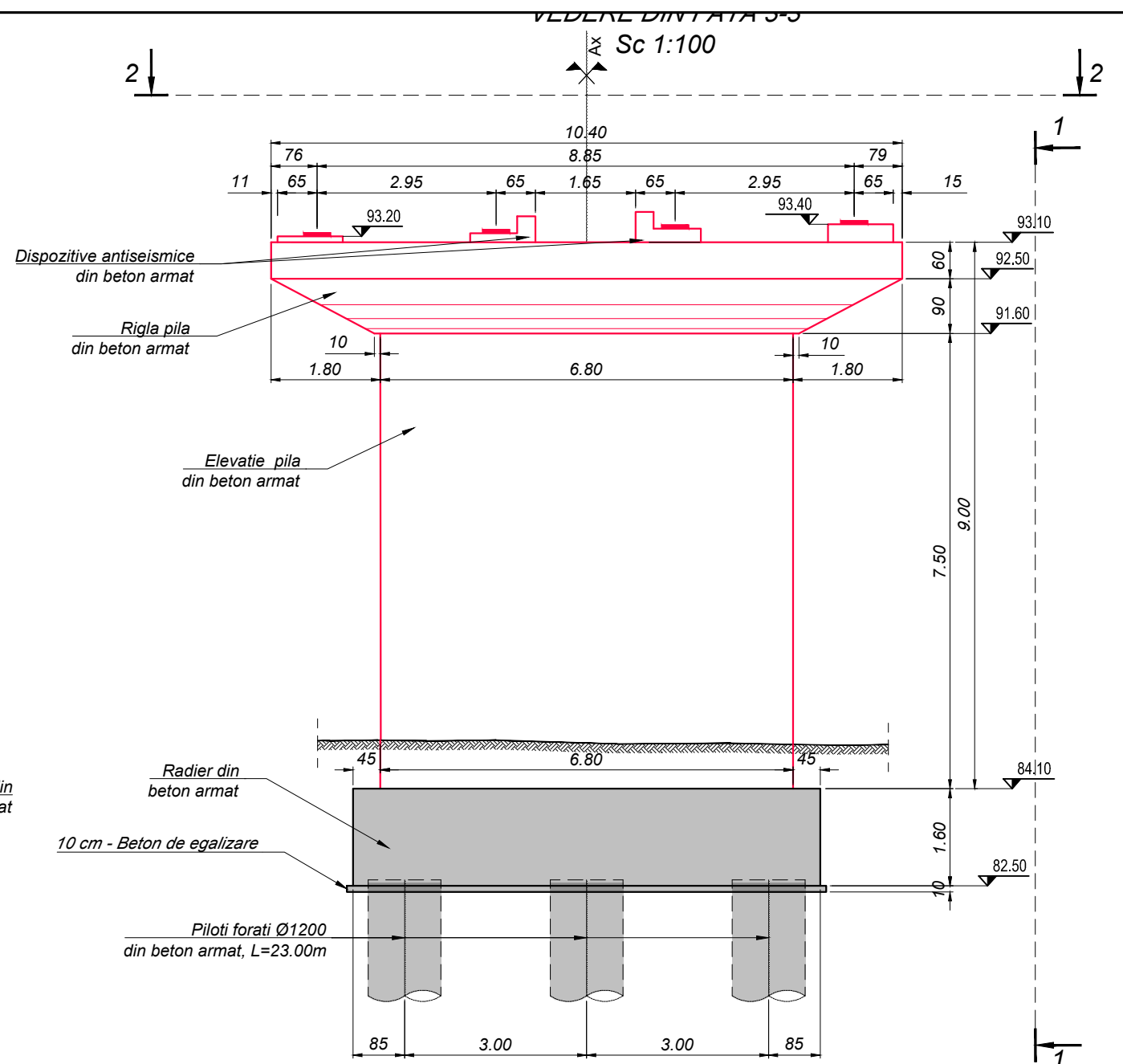
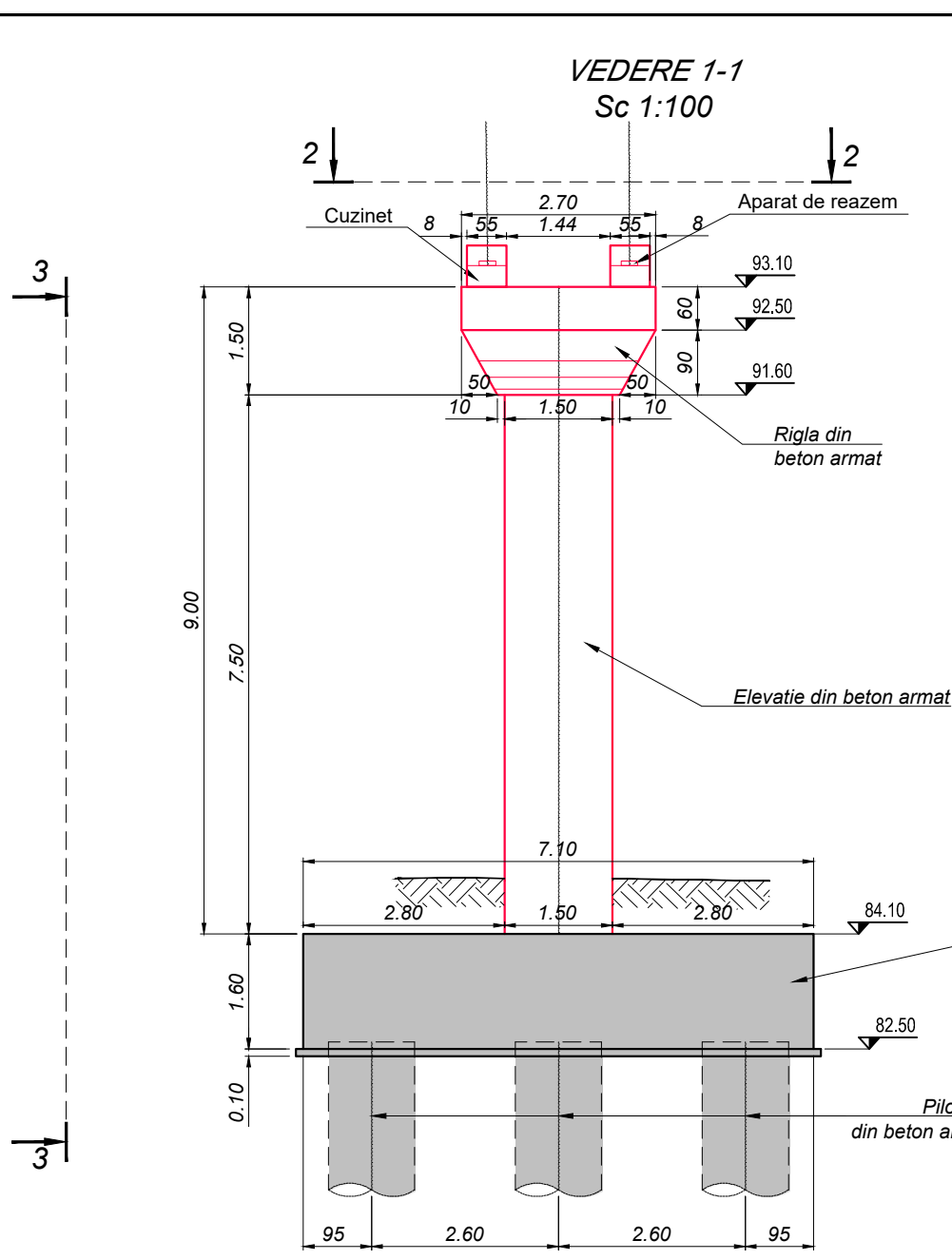
PASAJ KM 1+528 PESTE CF 132  
TIMISOARA VEST-CRUCENI  
PLAN COFRAJ PILA 5

Scara : 1:100

NUMAR PLANSĂ

10036-VOTM-STR02-Ci-06



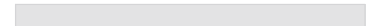






**CERINTE DE CALITATE  
BETON EGALIZARE**  
Beton: C8/10  
Otel: -  
Clasa de expunere: -  
Valoare max. A/C: -  
Dozaj min. ciment: -

**CERINTE DE CALITATE  
RADIARE/FUNDATII**  
Beton: C25/30  
Otel: BST500C  
Clasa de expunere: XC2, XF3.  
Valoare max. A/C: 0.55<sup>a</sup>  
Dozaj min. ciment: 300 Kg/m<sup>3</sup>

**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/m<sup>3</sup>

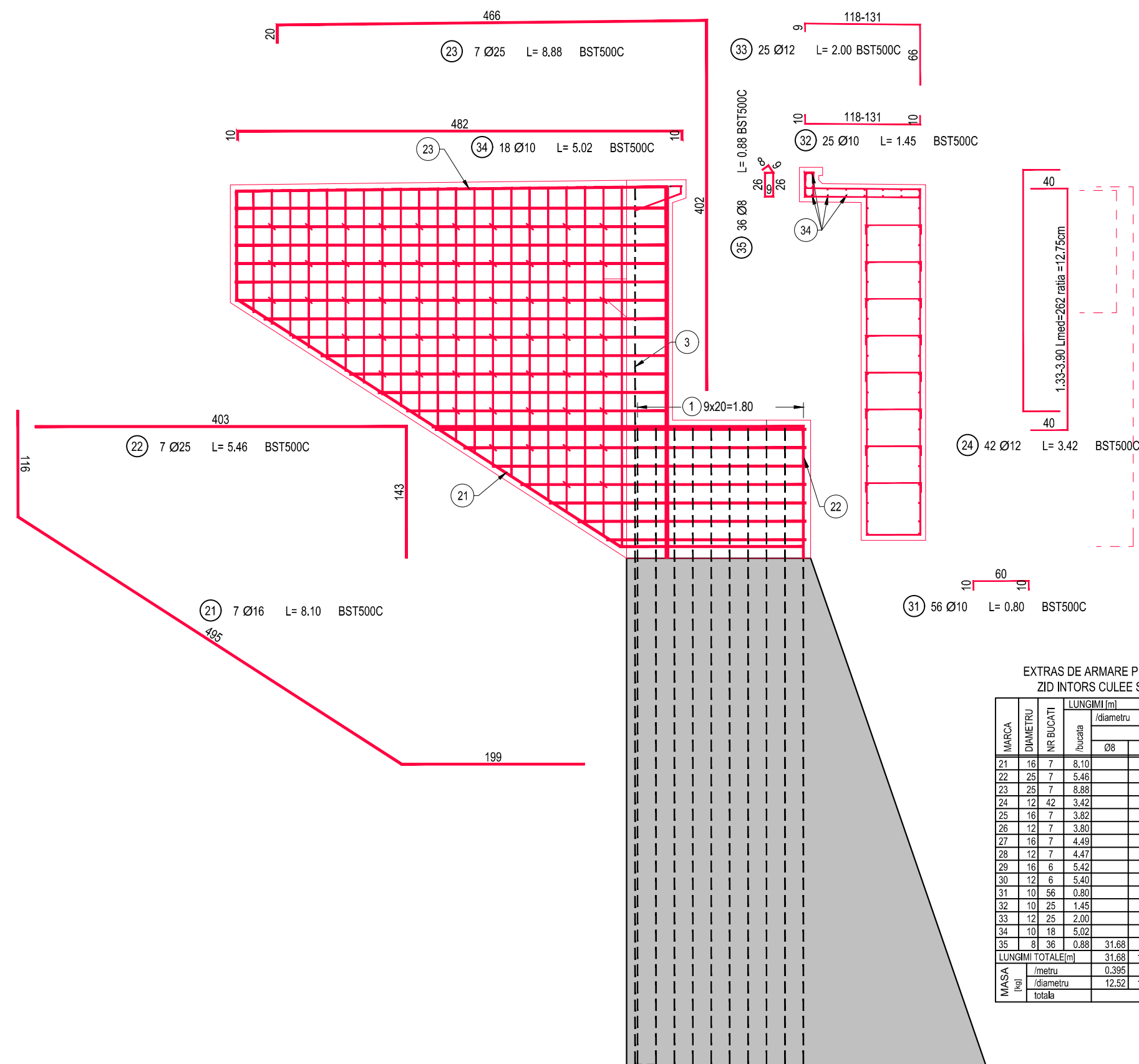
**NOTA:**  
- Toate elementele de beton in contact cu pamantul se vor proteja cu emulsie bituminoasa sau alte solutii de protectie anticoroziva

**LEGENDA:**  
REALIZAT-   
NEREALIZAT- 

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



# ZID INTORS PARTEA STANGA

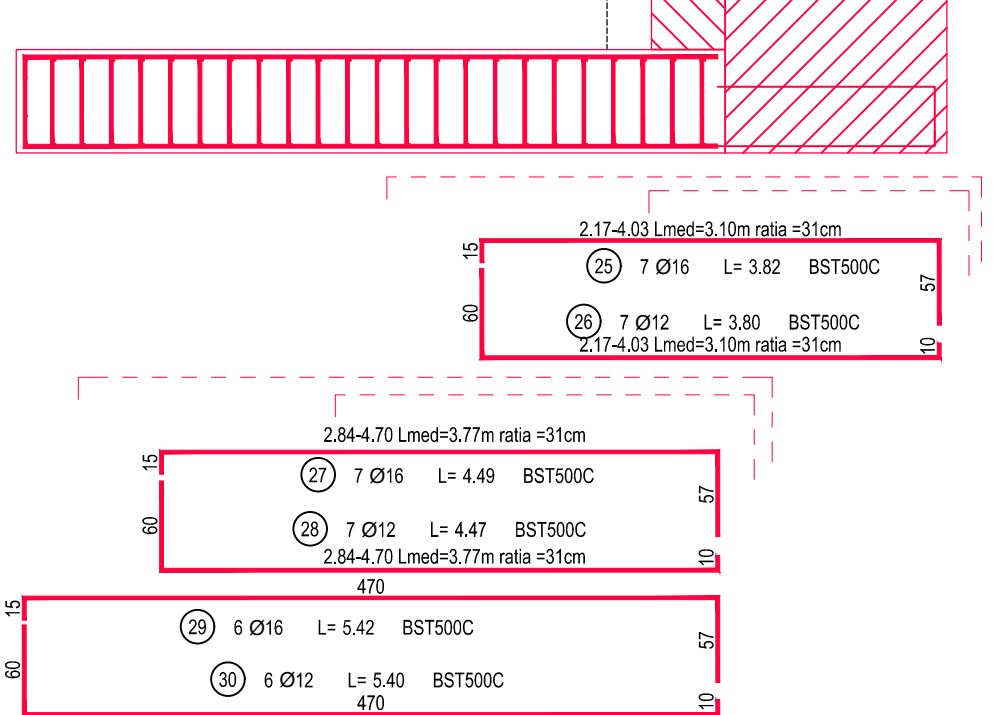


## EXTRAS DE ARMARE PENTRU PARTEA STANGA ZID INTORS CULEE SI CONSOLA PARAPET

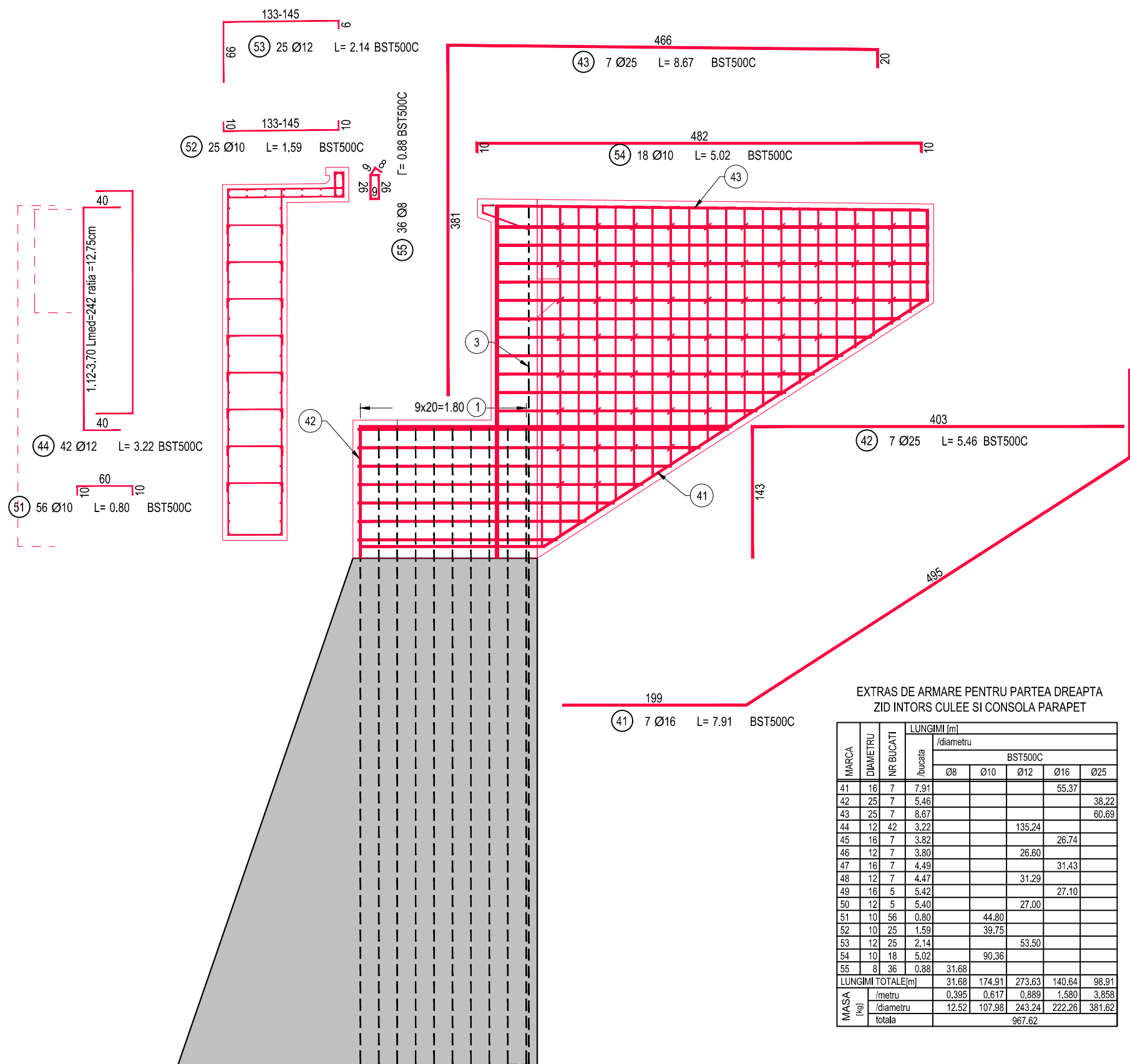
MARCA	DIAMETRU	NR. BUCATI	LUNGIMI (m)				
			Ø				
21	16	7	8,10			56,70	
22	25	7	5,46			38,22	
23	25	7	8,88			62,16	
24	12	42	3,42		143,64		
25	16	7	3,82		26,74		
26	12	7	3,80		26,60		
27	16	7	4,49		31,43		
28	12	7	4,47		31,29		
29	16	6	5,42		32,52		
30	12	6	5,40		32,40		
31	10	56	0,80		44,80		
32	10	25	1,45		36,25		
33	12	25	2,00		50,00		
34	10	18	0,02		90,36		
35	8	36	0,88		31,68		
LUNGIMI TOTAL E=			31,68	171,41	283,93	147,39	100,38
Masa			0,395	0,817	0,889	1,590	3,858
Masa			12,52	105,82	252,40	232,93	387,29
Total					990,95		

## VEDERE PLANA ZID INTORS

scara 1:20



# ZID INTORS PARTEA DREAPTA

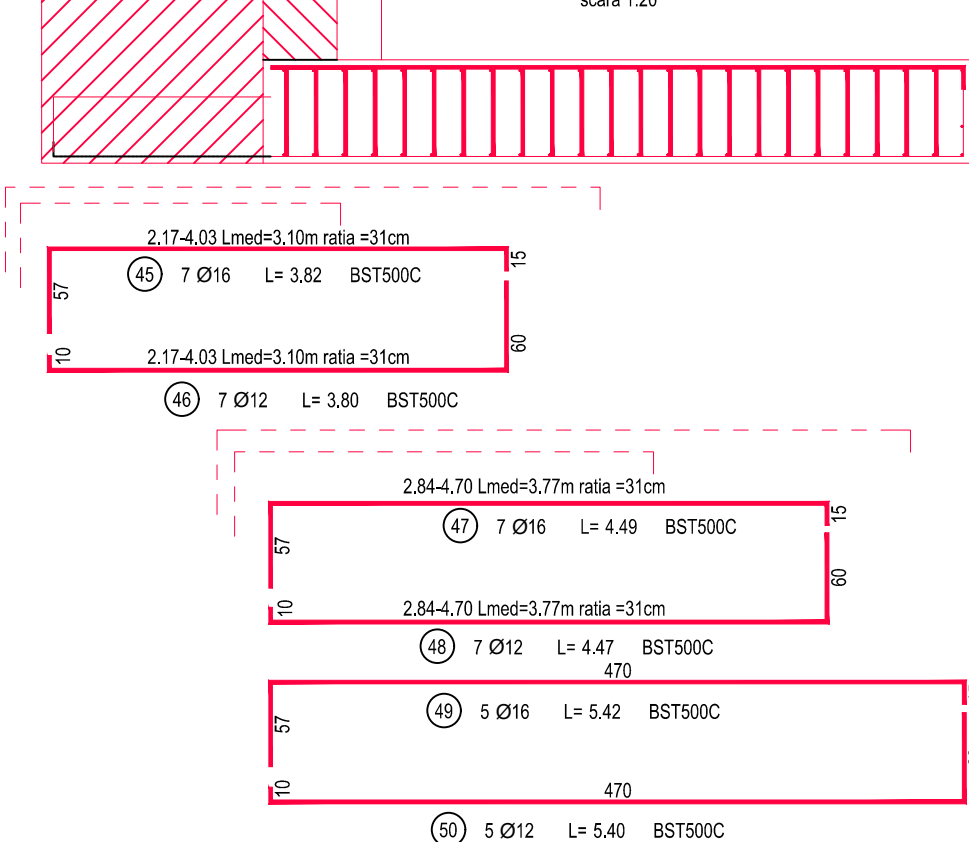


## EXTRAS DE ARMARE PENTRU PARTEA DREAPTA ZID INTORS CULEE SI CONSOLA PARAPET

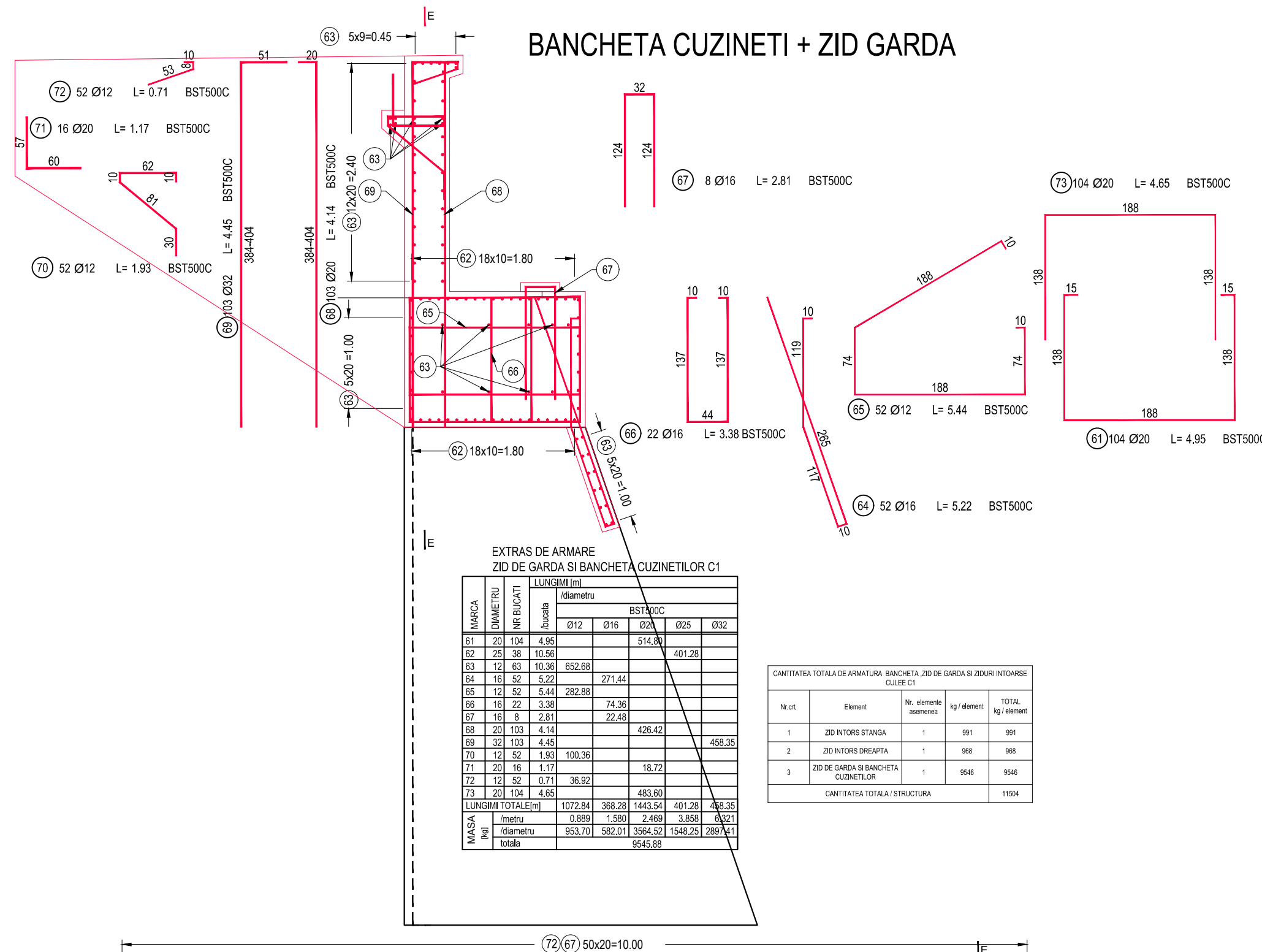
MARCA	DIAMETRU	NR. BUCATI	LUNGIMI (m)				
			Ø				
41	16	7	7,91			55,37	
42	25	7	5,46			38,22	
43	25	7	8,67			60,69	
44	12	42	3,22		135,24		
45	16	7	3,82		26,74		
46	12	7	3,80		26,60		
47	16	7	4,49		31,43		
48	12	7	4,47		31,29		
49	16	5	5,42		27,10		
50	12	5	5,40		27,00		
51	10	56	0,80		44,80		
52	10	25	1,59		39,75		
53	12	25	2,14		53,50		
54	10	18	0,02		90,36		
55	8	36	0,88		31,68		
LUNGIMI TOTAL E=			31,68	174,91	273,63	140,84	98,91
Masa			0,395	0,817	0,889	1,590	3,858
Masa			12,52	107,88	243,24	222,28	381,62
Total					967,62		

## VEDERE PLANA ZID INTORS

scara 1:20



# BANCHETA CUZINETI + ZID GARDA



## EXTRAS DE ARMARE ZID DE GARDA SI BANCHETA CUZINETILOR C1

MARCA	DIAMETRU	NR. BUCATI	LUNGIMI (m)				
			Ø				
61	20	104	4,95		514,80		
62	25	38	10,56		401,28		
63	12	63	10,36		652,68		
64	16	52	5,22		271,44		
65	12	52	5,44		282,88		
66	16	22	3,38		74,36		
67	16	8	2,81		22,48		
68	20	103	4,14		426,42		
69	32	103	4,45		458,35		
70	12	52	1,93		100,36		
71	20	16	1,17		18,72		
72	12	52	0,71		36,92		
73	20	104	4,65		483,60		
LUNGIMI TOTAL E=			1072,84	368,28	1443,54	401,28	463,35
Masa			0,889	1,590	2,469	3,858	4,621
Masa			953,70	952,01	3964,52	1540,29	2097,41
Total					8545,88		

CANTITATEA TOTALA DE ARMATURA BANCHETA ZID DE GARDA SI ZIDURI INTOARSE CULEE C1				
Post.	Element	Nr. elemente	kg / element	TOTAL kg / element
1	ZID INTORS STANGA	1	991	991
2	ZID INTORS DREAPTA	1	968	968
3	ZID DE GARDA SI BANCHETA CULEE C1	1	8546	8546
CANTITATEA TOTALA STRUCTURA				11504

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°  
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

## LEGENDA:

REALIZAT-  
NEREALIZAT-

## INVESTITOR



## 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. Silviu Moldovan

Sef Echipa Proiectare

ing. Raul Cools

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 ARMARE  
BANCHETA, ZID DE GARDA SI  
ZIDURI INTOARSE C1

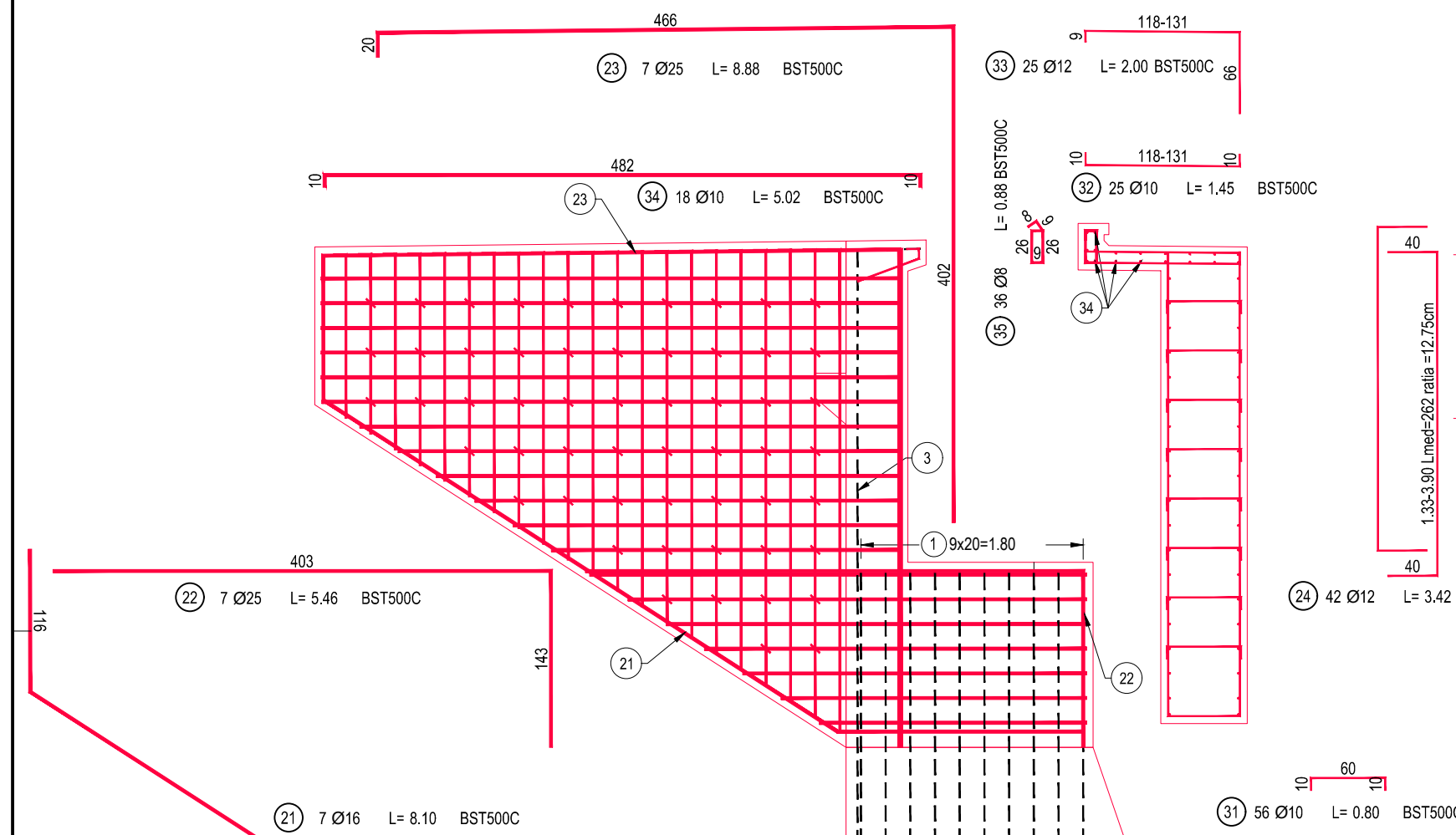
Scara: 1:50

NUMAR PLANSA

10036-VOTM-STR02-AI-04



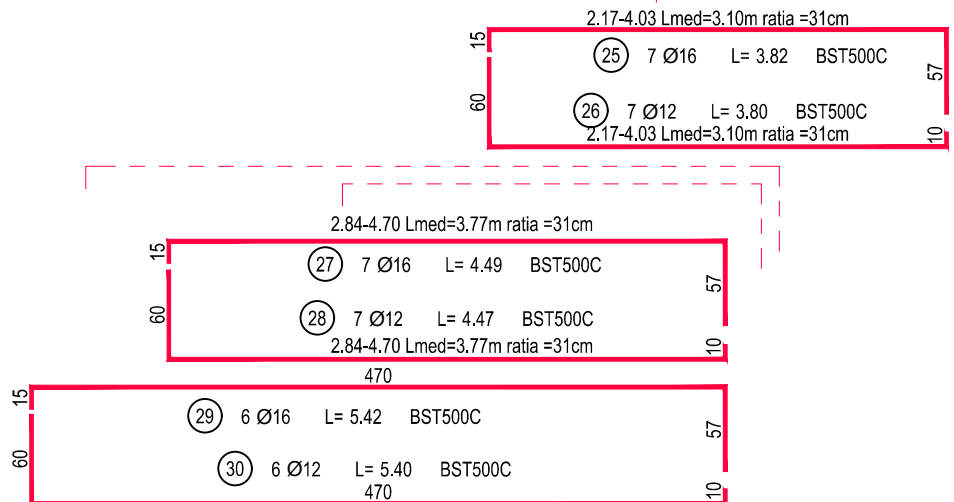
## ZID INTORS PARTEA STANGA



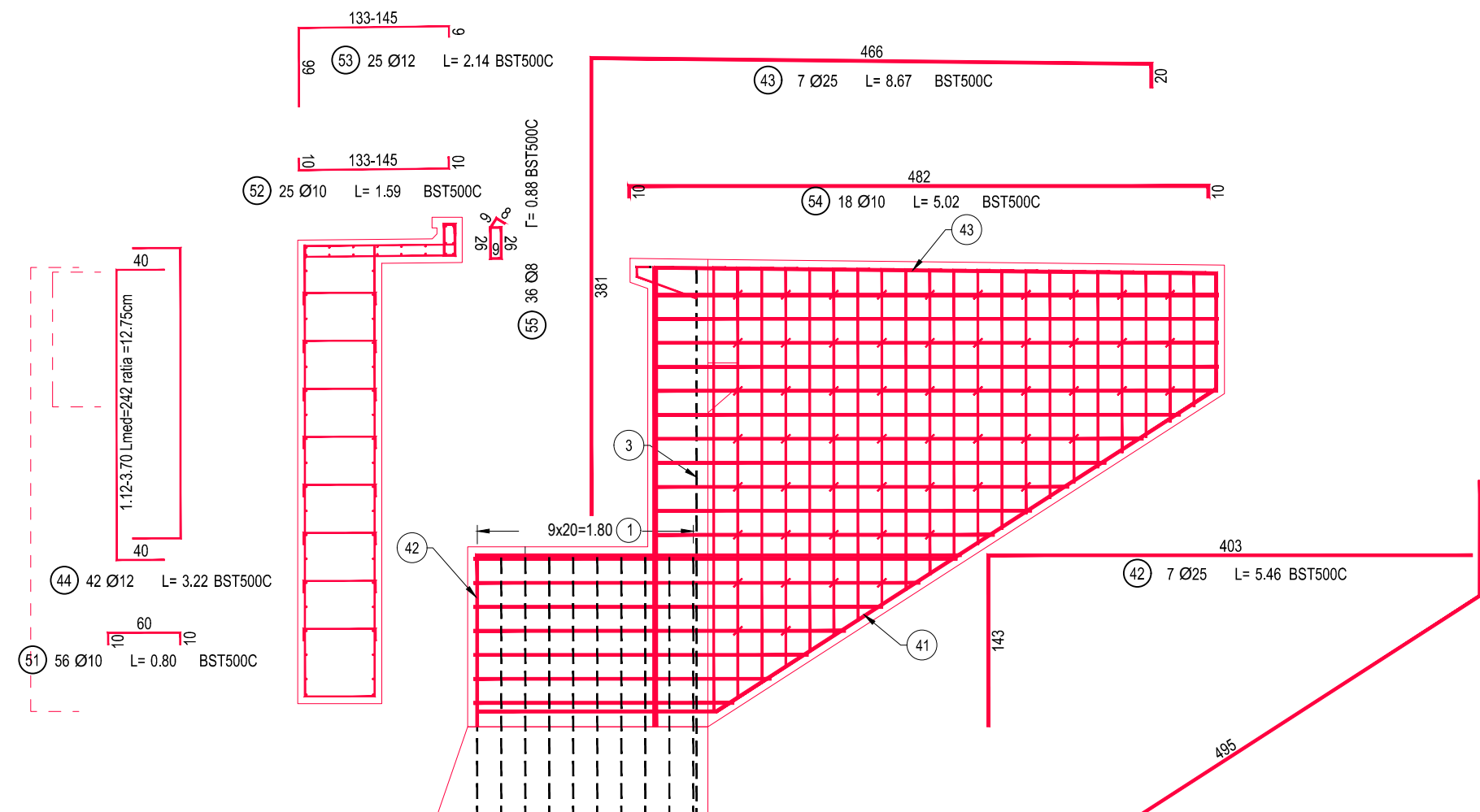
### EXTRAS DE ARMARE PENTRU PARTEA STANGA ZID INTORS CULEE SI CONSOLA PARAPET

MARCA	DIAMETRU	NR. BUCATI	LUNGIMI (m)				
			Bucata				
			Ø8	Ø10	Ø12	Ø16	Ø25
21	18	7	8.10			56.70	
22	25	7	5.46				38.22
23	25	7	8.88				62.16
24	12	42	3.42			143.84	
25	18	7	3.62			26.74	
26	12	7	3.80			26.60	
27	18	7	4.49			31.43	
28	12	7	4.47			31.29	
29	18	6	5.40			32.52	
30	12	6	5.40			32.40	
31	10	56	0.80			44.80	
32	10	25	1.45			36.25	
33	12	25	2.00			50.00	
34	10	18	5.02			90.36	
35	3	36	0.88			31.68	
LUNGIMI TOTALE(m)			31.68	171.41	283.93	147.39	100.38
Masa							
m			0.395	0.617	0.889	1.580	3.858
kg			12.52	195.62	292.40	232.63	387.29
totala						990.95	

VEDERE PLANA ZID INTORS  
scara 1:20



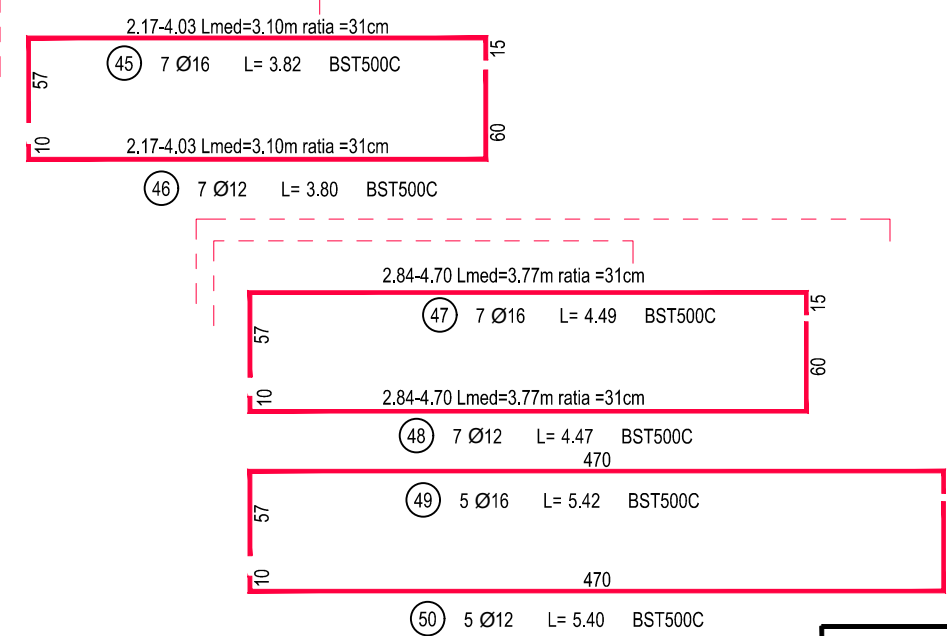
## ZID INTORS PARTEA DREAPTA



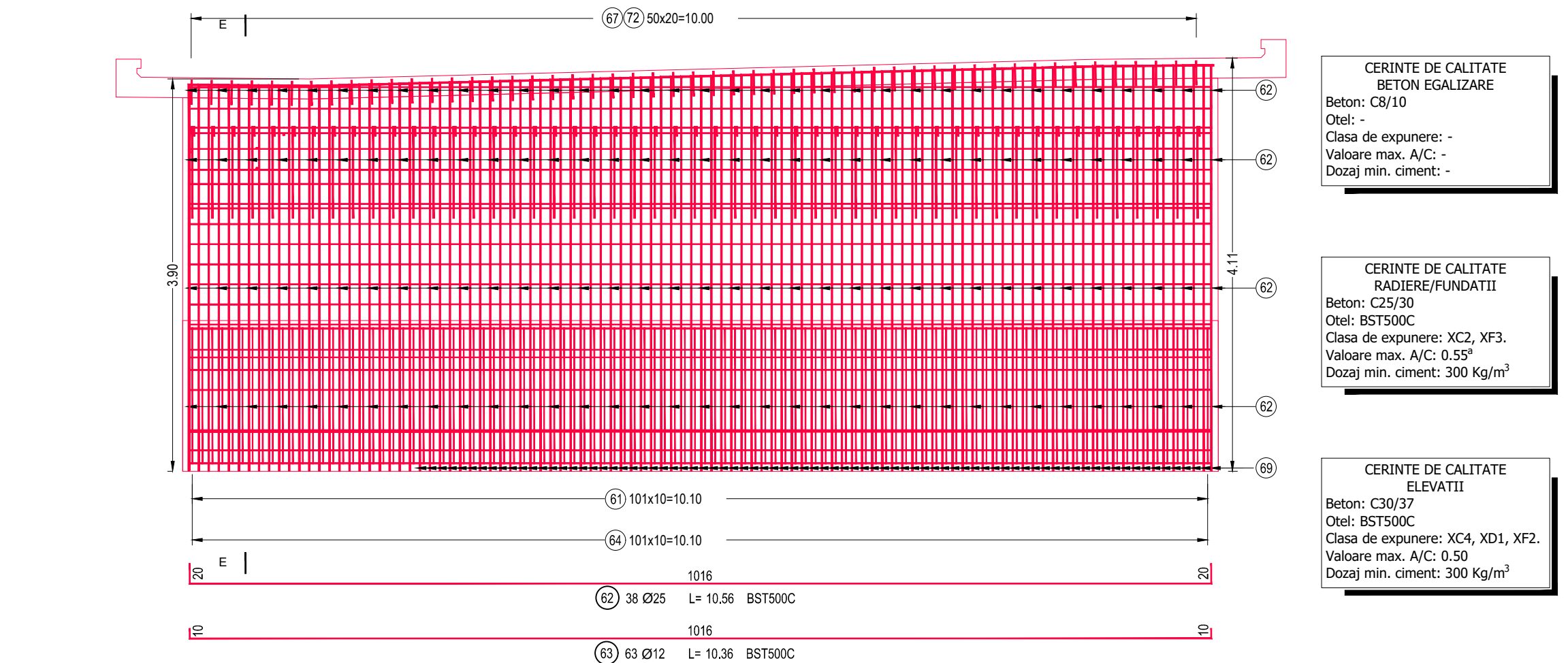
### EXTRAS DE ARMARE PENTRU PARTEA DREAPTA ZID INTORS CULEE SI CONSOLA PARAPET

MARCA	DIAMETRU	NR. BUCATI	LUNGIMI (m)				
			Bucata				
			Ø8	Ø10	Ø12	Ø16	Ø25
41	16	7	7.91			55.37	
42	25	7	5.46				38.22
43	18	7	8.87				60.69
44	12	42	3.22			135.24	
45	18	7	3.62			26.74	
46	12	7	3.80			26.60	
47	16	7	4.49			31.43	
48	12	7	4.47			31.29	
49	18	5	5.40			27.00	
50	12	5	5.40			27.00	
51	10	56	0.80			44.80	
52	10	25	1.59			39.75	
53	12	25	2.14			53.50	
54	10	18	5.02			90.36	
55	3	36	0.88			31.68	
LUNGIMI TOTALE(m)			31.68	174.91	273.63	140.64	88.91
Masa							
m			0.395	0.617	0.889	1.580	3.858
kg			12.52	197.88	243.24	222.28	381.62
totala						991.62	

VEDERE PLANA ZID INTORS  
scara 1:20



## BANCHETA CUZINETI + ZID GARDA



### EXTRAS DE ARMARE ZID DE GARDA SI BANCHETA CUZINETILOR C2

MARCA	DIAMETRU	NR. BUCATI	LUNGIMI (m)				
			Bucata				
			Ø12	Ø16	Ø20	Ø25	Ø32
61	20	104	4.95			514.80	
62	25	38	10.88			401.28	
63	12	63	10.38			652.68	
64	16	52	5.22			271.44	
65	12	52	5.44			282.88	
66	16	22	3.38			74.36	
67	16	8	2.81			22.48	
68	20	103	4.14			426.42	
69	32	103	4.45			458.35	
70	12	52	1.20			100.38	
71	20	16	1.17			18.72	
72	12	52	0.71			36.82	
73	20	104	4.89			483.60	
LUNGIMI TOTALE(m)			1072.84	388.28	1443.54	401.28	458.35
Masa							
m			0.889	1.580	2.469	3.858	6.321
kg			283.70	502.01	764.53	1248.23	2007.41
totala						9545.88	

### CANTITATEA TOTALA DE ARMATURA BANCHETA ZID DE GARDA SI ZIDURI INTORNOARE CULEE C2

Nr. crt.	Element	Nr. elemente	kg element	TOTAL kg element
1	ZID INTORS STANGA	1	991	991
2	ZID INTORS DREAPTA	1	998	998
3	ZID DE GARDA SI BANCHETA CUZINETILOR	1	9546	9546
CANTITATEA TOTALA STRUCTURA				11534

### 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<sup>a</sup>  
Dozaj min. ciment: 300 Kg/m<sup>3</sup>

### CERINTE DE CALITATE ELEVATII

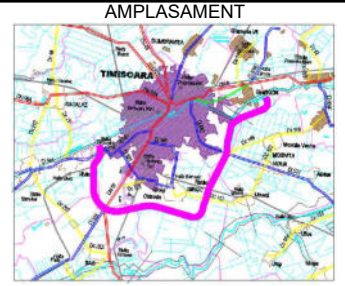
Beton: C30/37  
Otel: BST500C  
Clasa de expunere: XC4, XD1, XF2.  
Valoare max. A/C: 0.50  
Dozaj min. ciment: 300 Kg/m<sup>3</sup>

### LEGENDA:

REALIZAT-  
NEREALIZAT-

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

PROIECTANT GENERAL  
D. P. CONSULT S.A.



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

FAZA PROIECT  
PROIECT TEHNIC  
REST DE EXECUTAT

Data : 03.2023

VERIFICATOR TEHNIC

Manager de Proiect  
Ing. Silviu Moldovan  
Sef Echipa Proiectare  
Ing. Raul Cociu  
Inginer Proiectant Poduri  
Ing. Attila Takacs  
Inginer Proiectant  
Ing. Teodor Sabadis

REVIZII

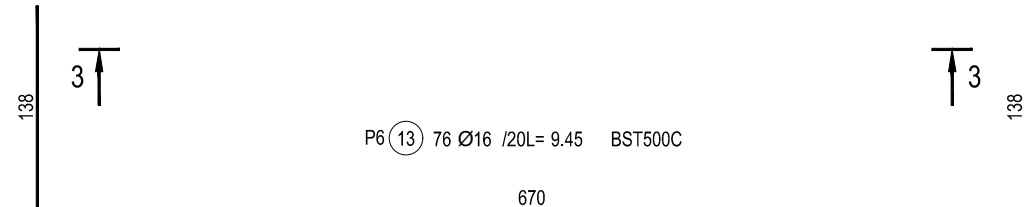
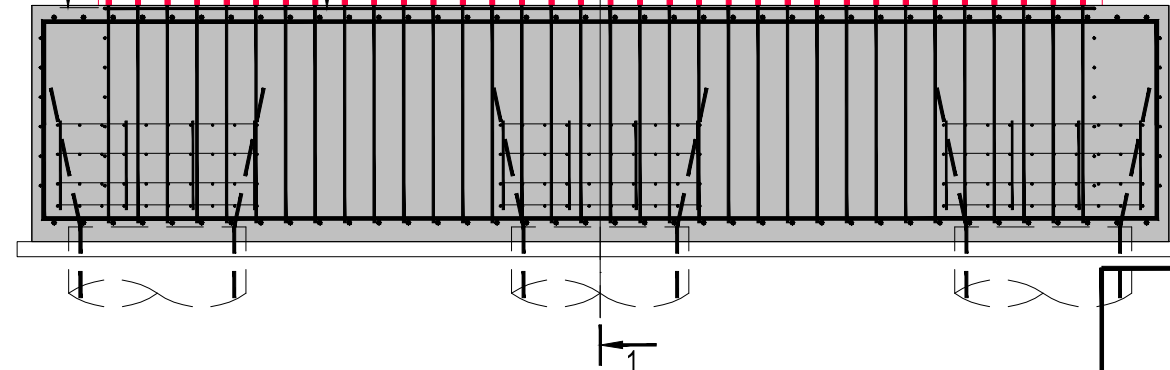
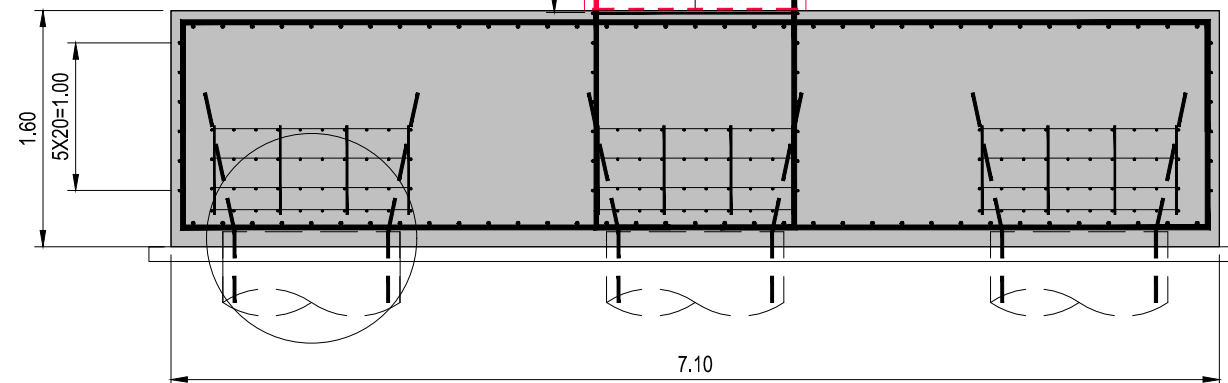
NR. REV.	DATA	SEMN.

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

Scara : 1:50

NUMAR PLANSA  
10036-VOTM-STR02-AI-05





CANTITATEA TOTALA DE ARMATURA				
Nr.ort.	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	714.49	
14	25	82	9.53		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: -

<p><b>CERINTE DE CALITATE</b>  <b>RADIERE/FUNDATII</b>          Beton: C25/30          Otel: BST500C          Clasa de expunere: XC2, XF3.          Valoare max. A/C: 0.55<sup>a</sup>          Dozaj min. ciment: 300 Kg/m<sup>3</sup></p>
---

<p align="center"><b>CERINTE DE CALITATE ELEVATII</b></p> <p>Beton: C30/37  Otel: BST500C  Clasa de expunere: XC4, XD1,  Valoare max. A/C: 0.50  Dozaj min. ciment: 300 Kg/m<sup>3</sup></p>
--

**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: D. P. CONSULT S.A. 2 CLUJ-ROMANIA



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

NUMAR CONTRACT: 550/36/09.02.202

---

NUMAR PROIECT : 556

FAZA PROIECT  
PROIECT TEHNIC  
REST DE EXECUTA

Data : 03.2023	
IFICATOR TEHNIC	

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

DENIMIRE PL ANSA

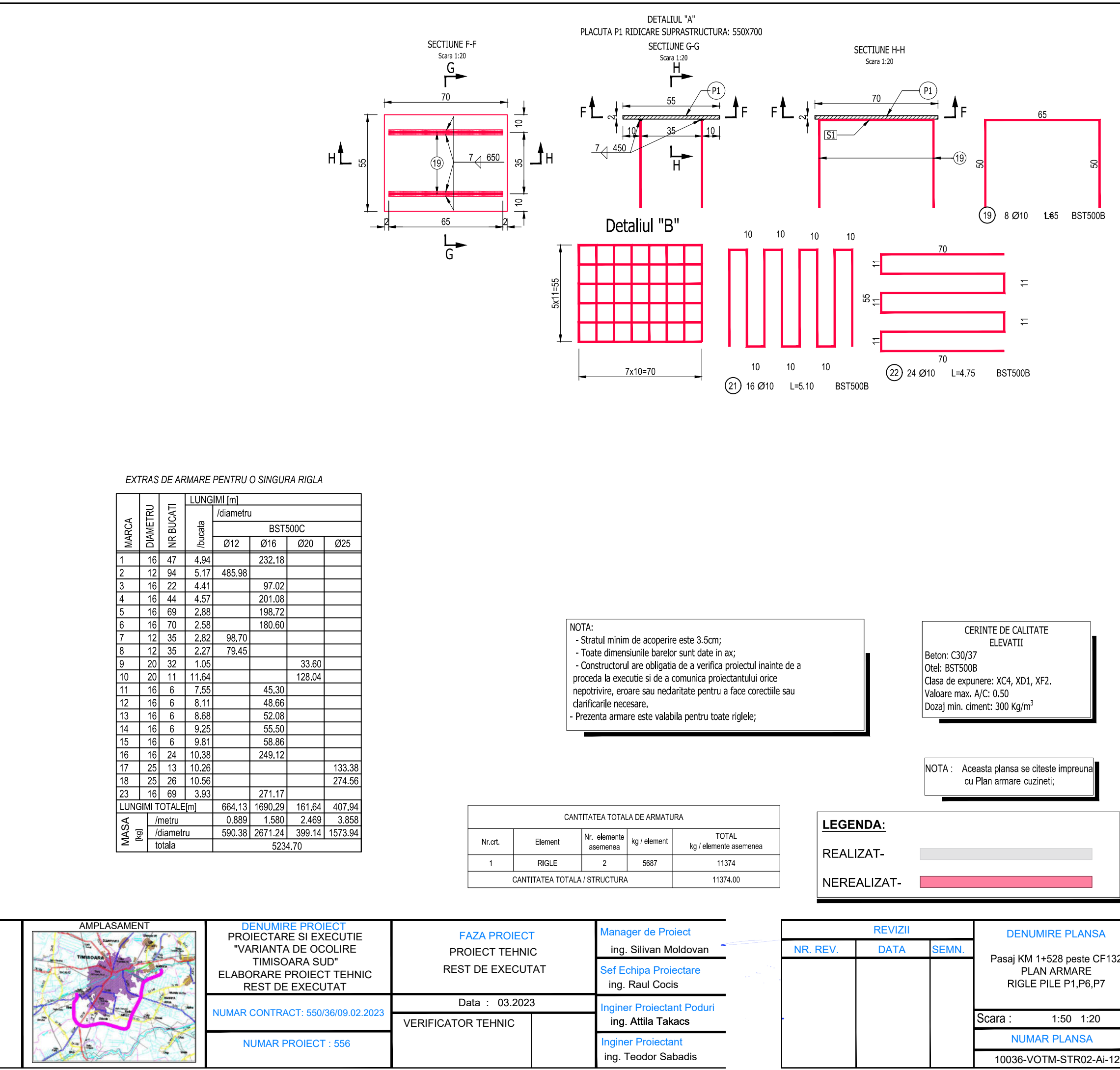
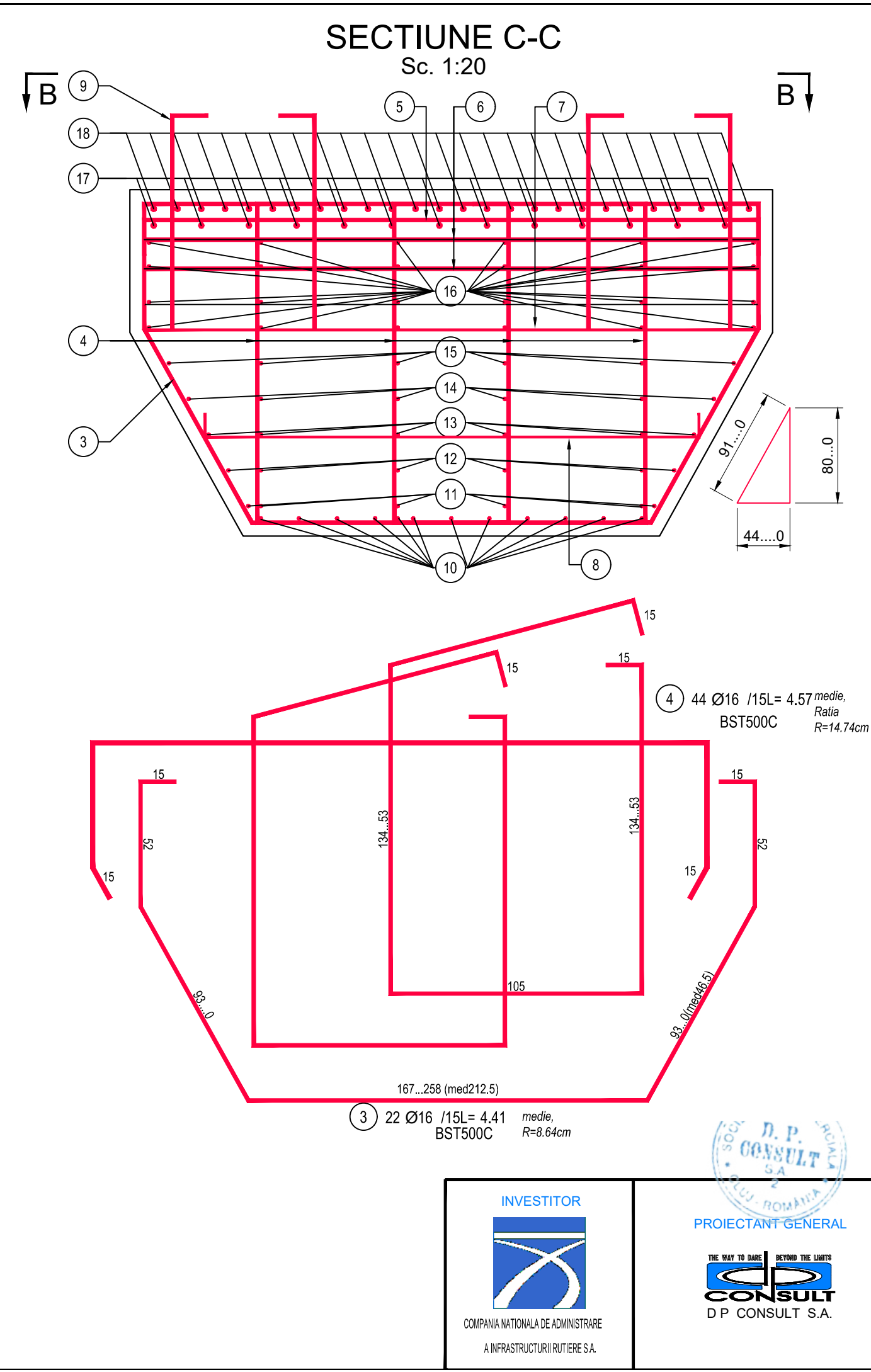
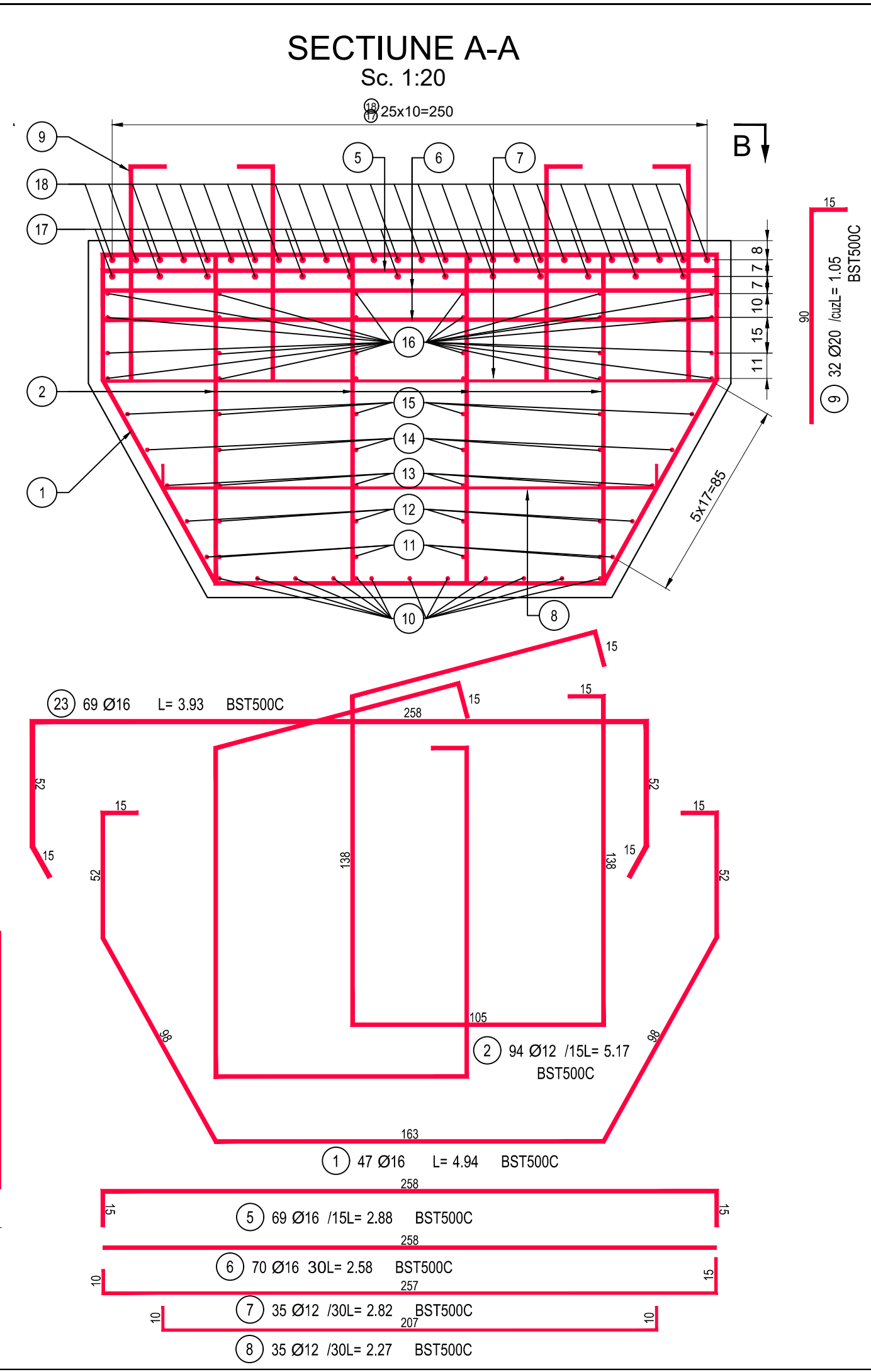
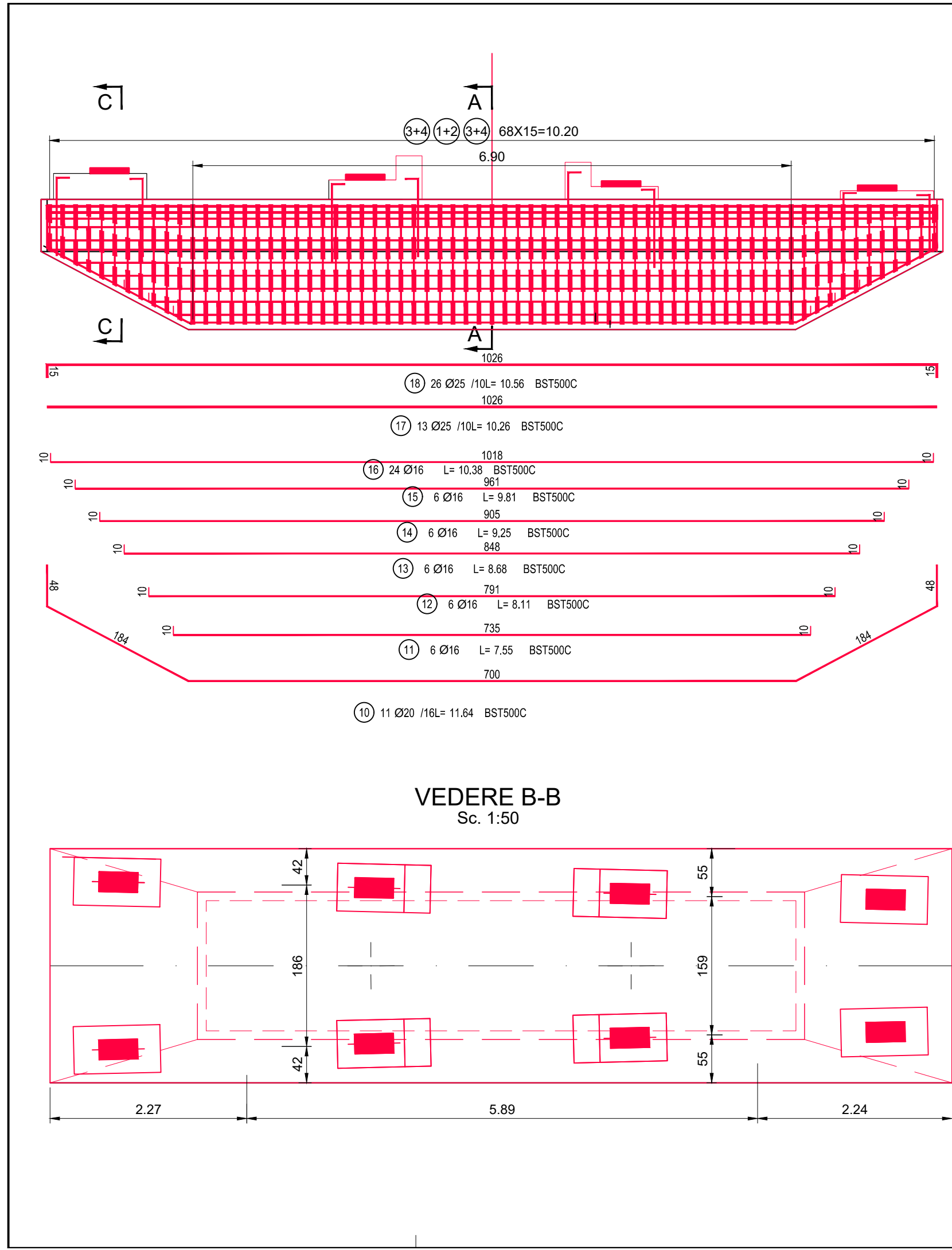
AJ KM 1+528 PESTE CF 132  
MISOARA VEST-CRUCENI  
PLAN ARMARE RADIER  
SI ELEVATIE PILA P6

a : 1:50

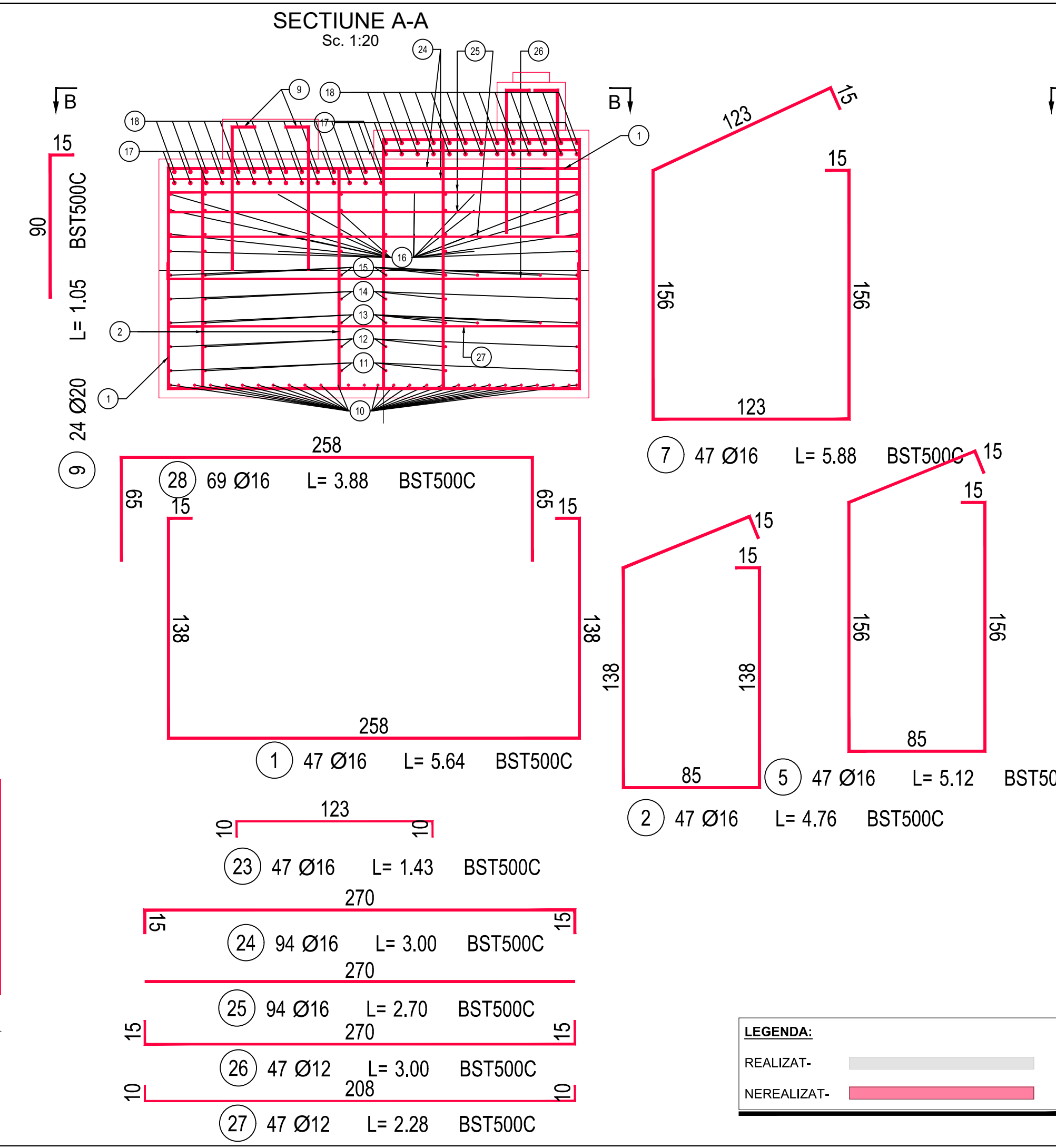
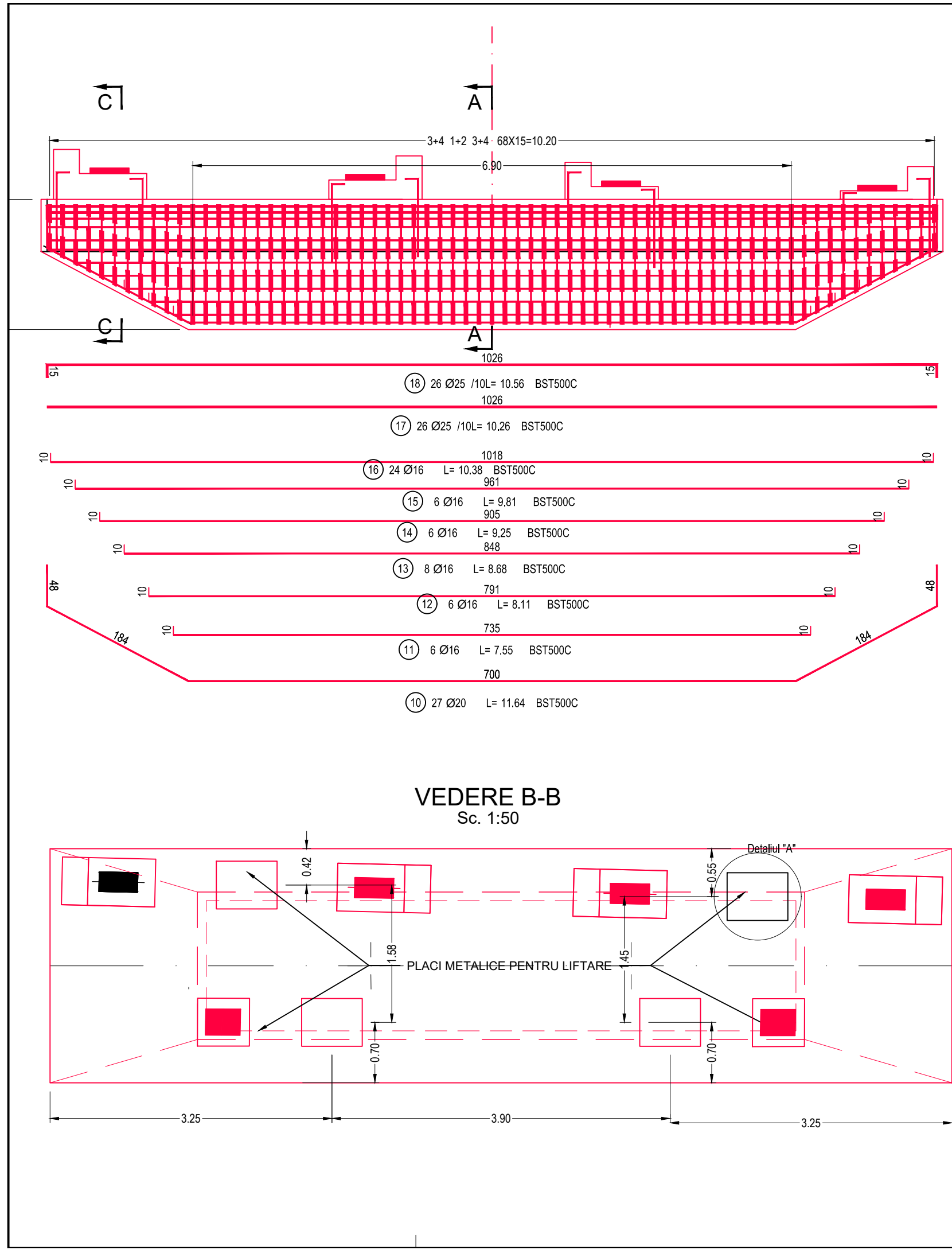
NUMAR PLANSA

10036-VOTM-STR02-Ai-07









**Sc. 1:20**

**Detaliul "A"**  
PLACUTA P1 RIDICARE SUPRASTRUCTURA: 550X700  
Scara 1:20

**Detaliul "B"**

**EXTRAS DE ARMARE PENTRU O SINGURA RIGLA**

MARCA	DIAMETRU	NR. BUCATI	LUNGIMI [m]			
			/diametru			
			BST500C			
			Ø12	Ø16	Ø20	Ø25
1	16	47	5.64	265.08		
2	16	47	4.76	223.72		
3	16	22	4.88	107.36		
4	16	22	3.88	85.36		
5	16	47	5.12	240.64		
6	16	22	4.24	93.28		
7	16	47	5.88	276.36		
8	16	22	5.28	116.16		
9	20	24	1.05		25.20	
10	20	27	11.64		314.28	
11	16	6	7.55	45.30		
12	16	6	8.11	48.66		
13	16	8	8.68	69.44		
14	16	6	9.25	55.50		
15	16	6	9.81	58.86		
16	16	24	10.38	249.12		
17	25	26	10.26		266.76	
18	25	26	10.56		274.56	
23	16	47	1.43	67.21		
24	16	94	3.00	282.00		
25	16	94	2.70	253.80		
26	12	47	3.00	141.00		
27	12	47	2.28	107.16		
28	16	69	3.88	267.72		
LUNGIMI TOTALE[m]			248.16	2805.57	339.48	541.32
/metru			0.889	1.580	2.469	3.858
/diametru			220.60	4433.77	838.28	2088.56
totala					7581.21	

**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 nedaritate pentru a face corectiile sau clarificarile necesare.
- Prezenta armare este valabila pentru toate riglele;

**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 plansa se citește împreună cu Plan armare cuzineti;

**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 OCULIRE 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

**NUMAR CONTRACT:** 550/36/09.02.2023

**NUMAR PROIECT:** 556

**Data:** 03.2023

**VERIFICATOR TEHNIC**

**REVIZII**

NR. REV.	DATA	SEM.N.
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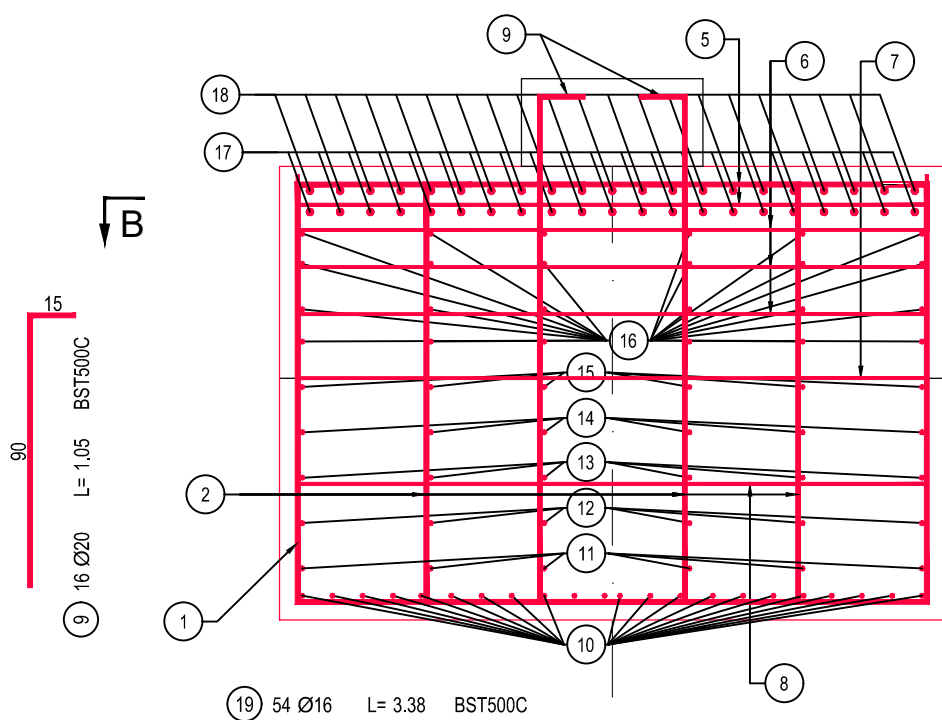
**DENUMIRE PLANSA**  
Pasaj KM 1+528 peste CF132  
PLAN ARMARE  
RIGLE PILE P2,P5

**Scara:** 1:50 1:20

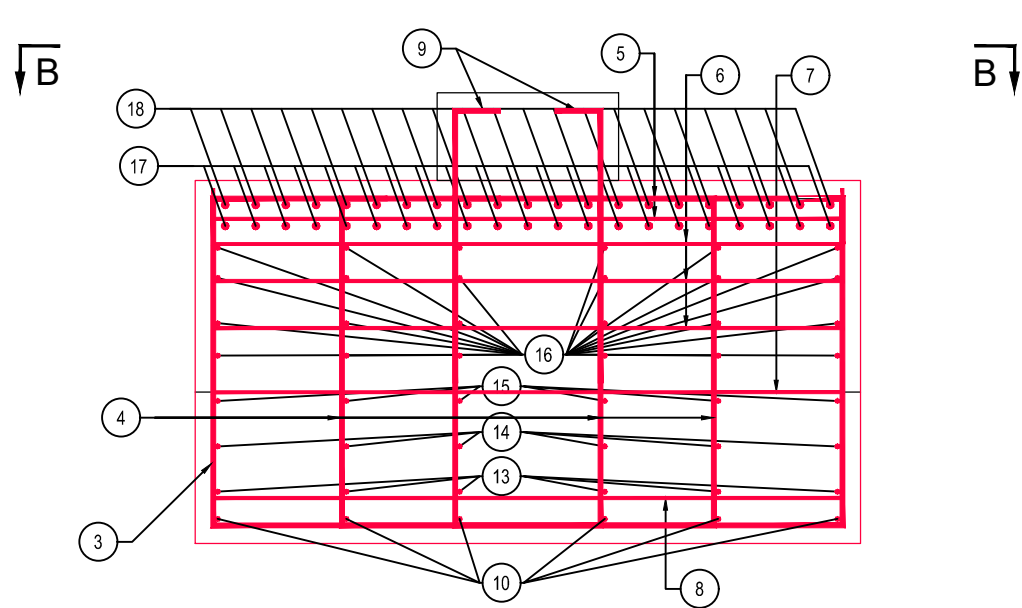
**NUMAR PLANSA**  
10036-VOTM-STR02-AI-13



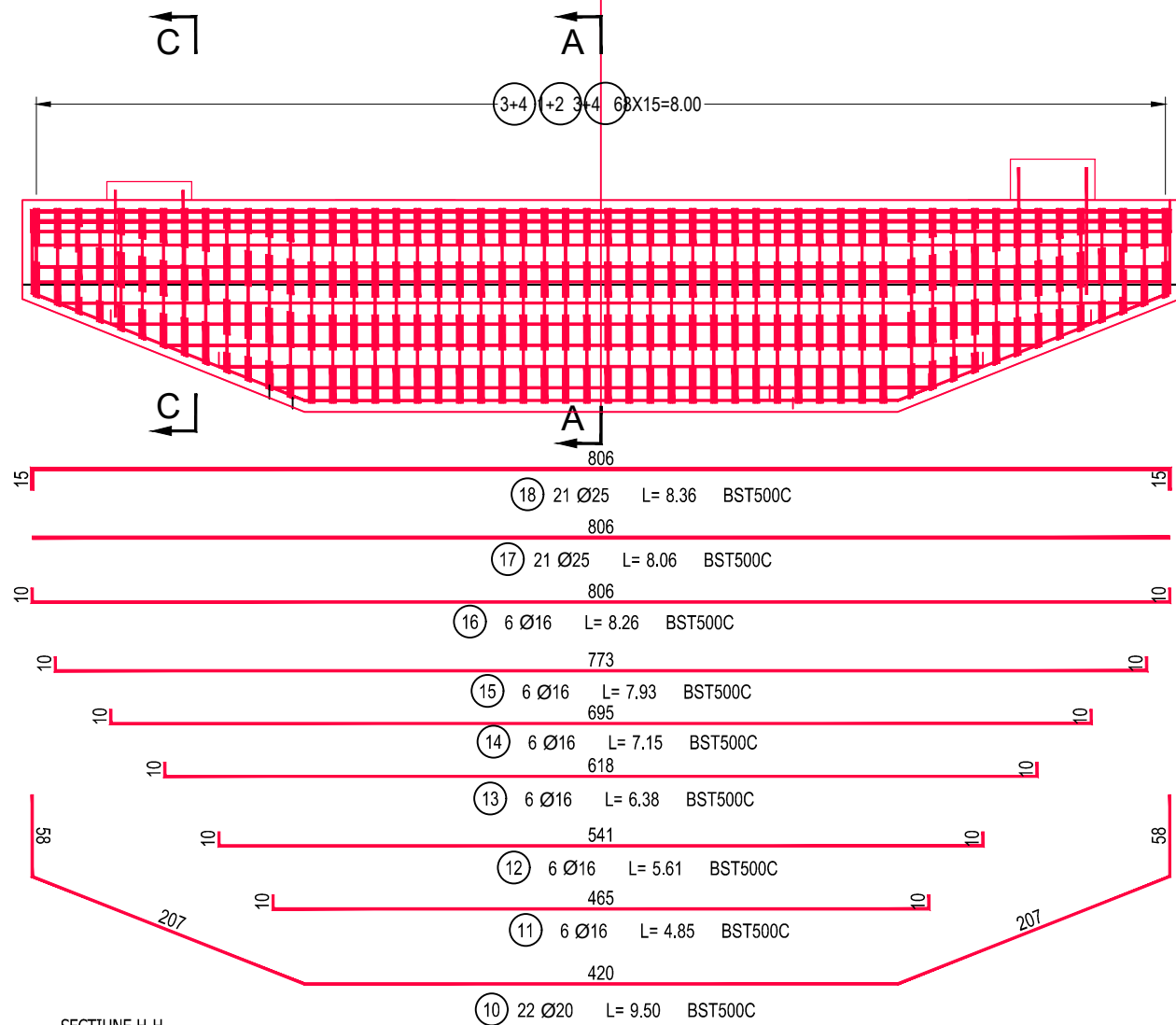
SECTIUNE A-A  
Sc. 1:20



SECTIUNE C-C  
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	
			0.889	1.580	2.469	3.858	
			/diametru	215.41	2770.89	557.57	1330.41
			/totala	4874.27			



NOTA:

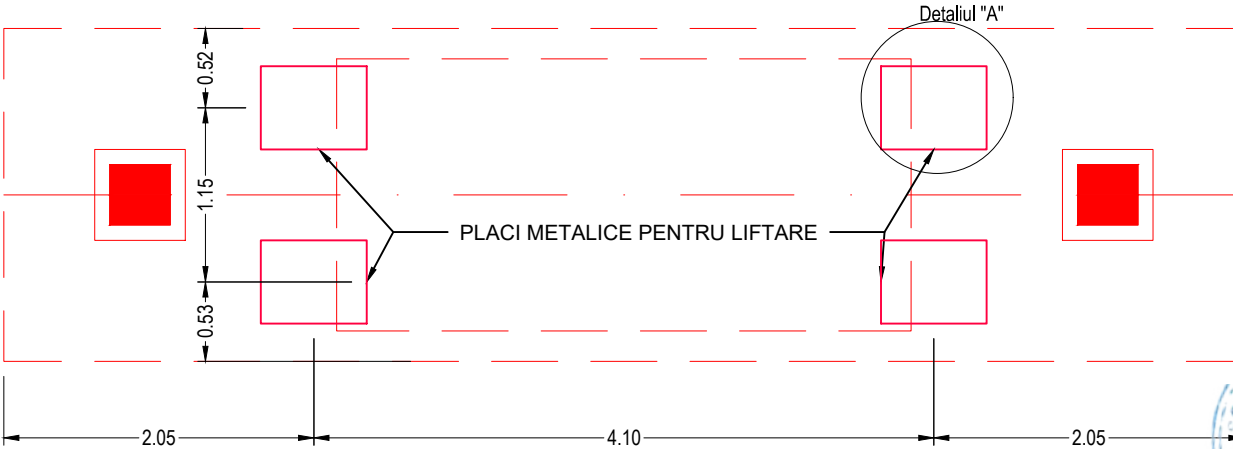
- Stratul minim de acoperire este 3.5cm;
- Toate dimensiunile barelor sunt date in ax;
- Constructorul are obligatia de a verifica proiectul inainte de a proceda la executie si de a comunica proiectantului orice nepotrivire, eroare sau neclaritate pentru a face corectiile sau clarificarile necesare.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

CERINTE DE CALITATE  
ELEVATII

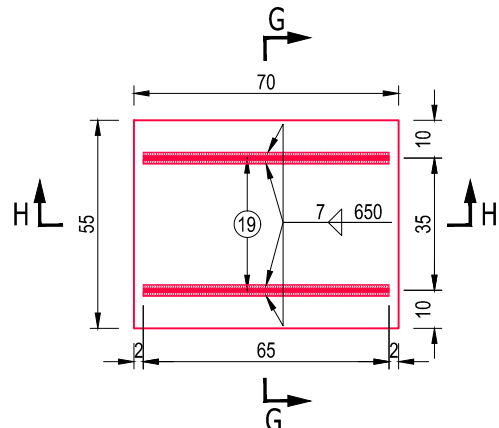
Beton: C30/37  
Otel: BST500B  
Clasa de expunere: XC4, XD1, XF2.  
Valoare max. A/C: 0.50  
Dozaj min. ciment: 300 Kg/m³

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

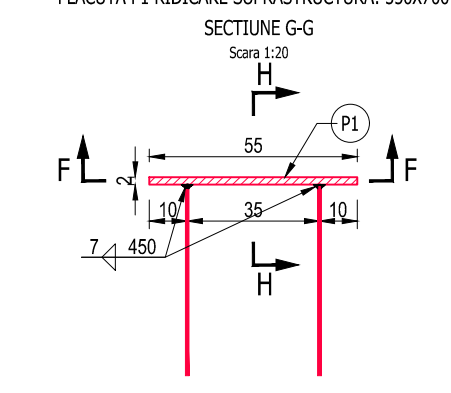
VEDERE B-B  
Sc. 1:50



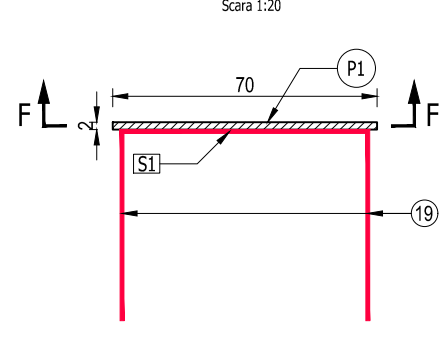
SECTIUNE F-F  
Scara 1:20



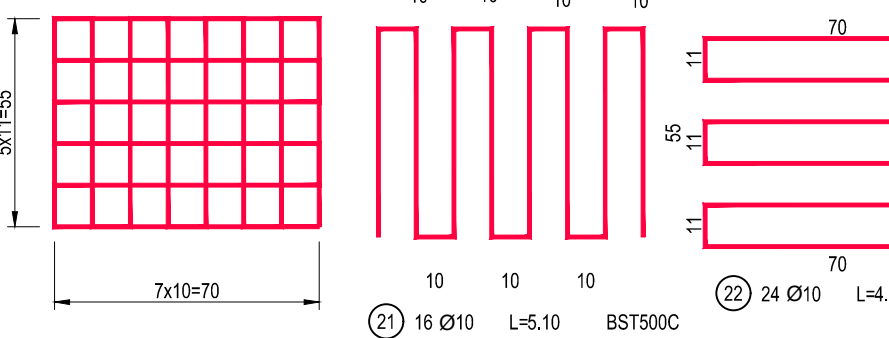
DETALIUL "A"  
PLACUTA P1 RIDICARE SUPRASTRUCTURA: 550X700



SECTIUNE H-H  
Scara 1:20



Detaliul "B"



LEGENDA:

REALIZAT- [Red line]

NEREALIZAT- [Blue line]

INVESTITOR

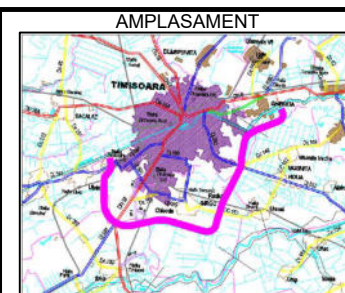
COMPANIA NATIONALA DE ADMINISTRARE  
A INFRASTRUCTURII RUTIERE S.A.

PROIECTANT GENERAL

THE WAY TO DREAM 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. 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

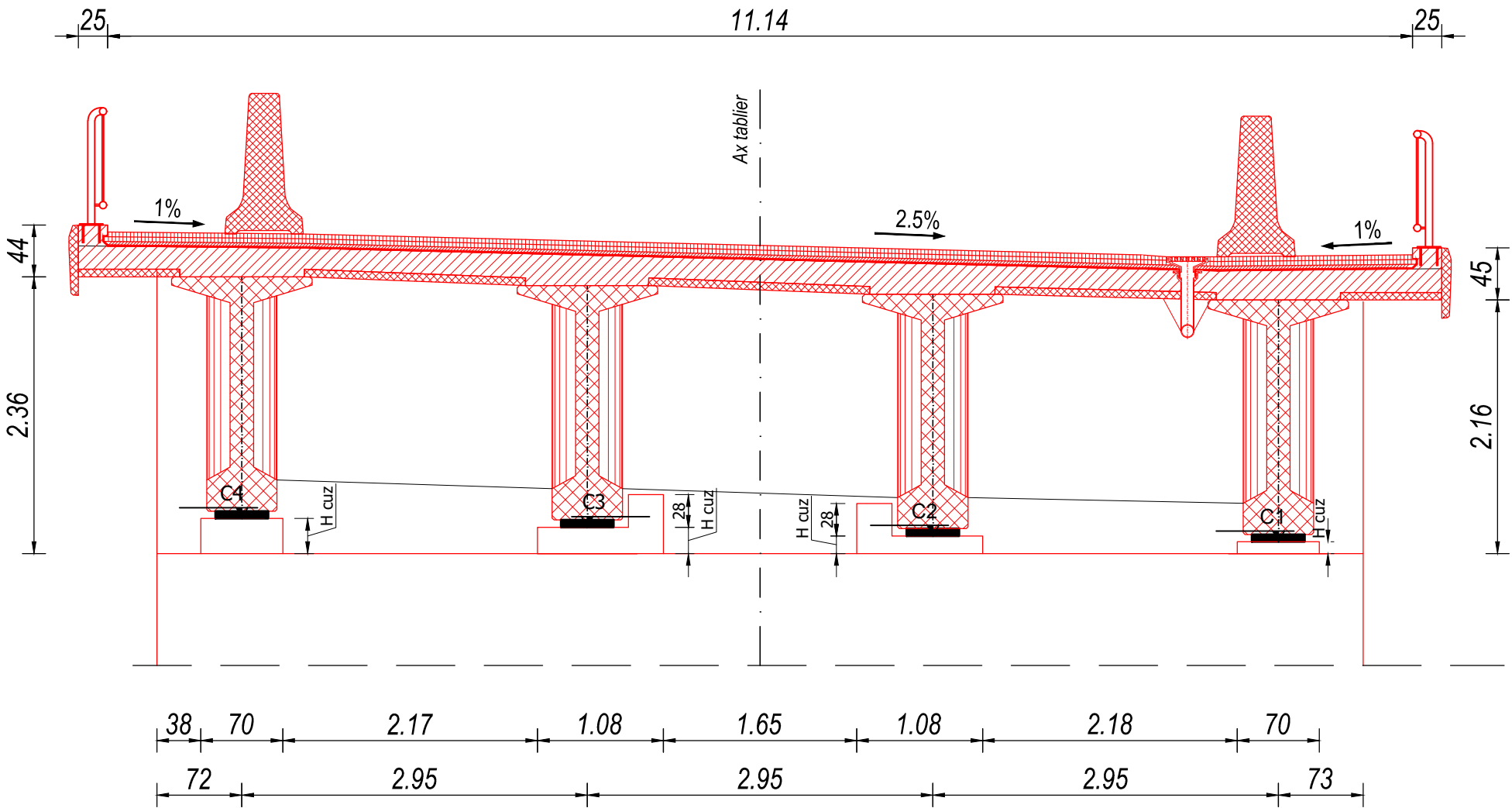
NUMAR PLANSA

10036-VOTM-STR02-Ai-14

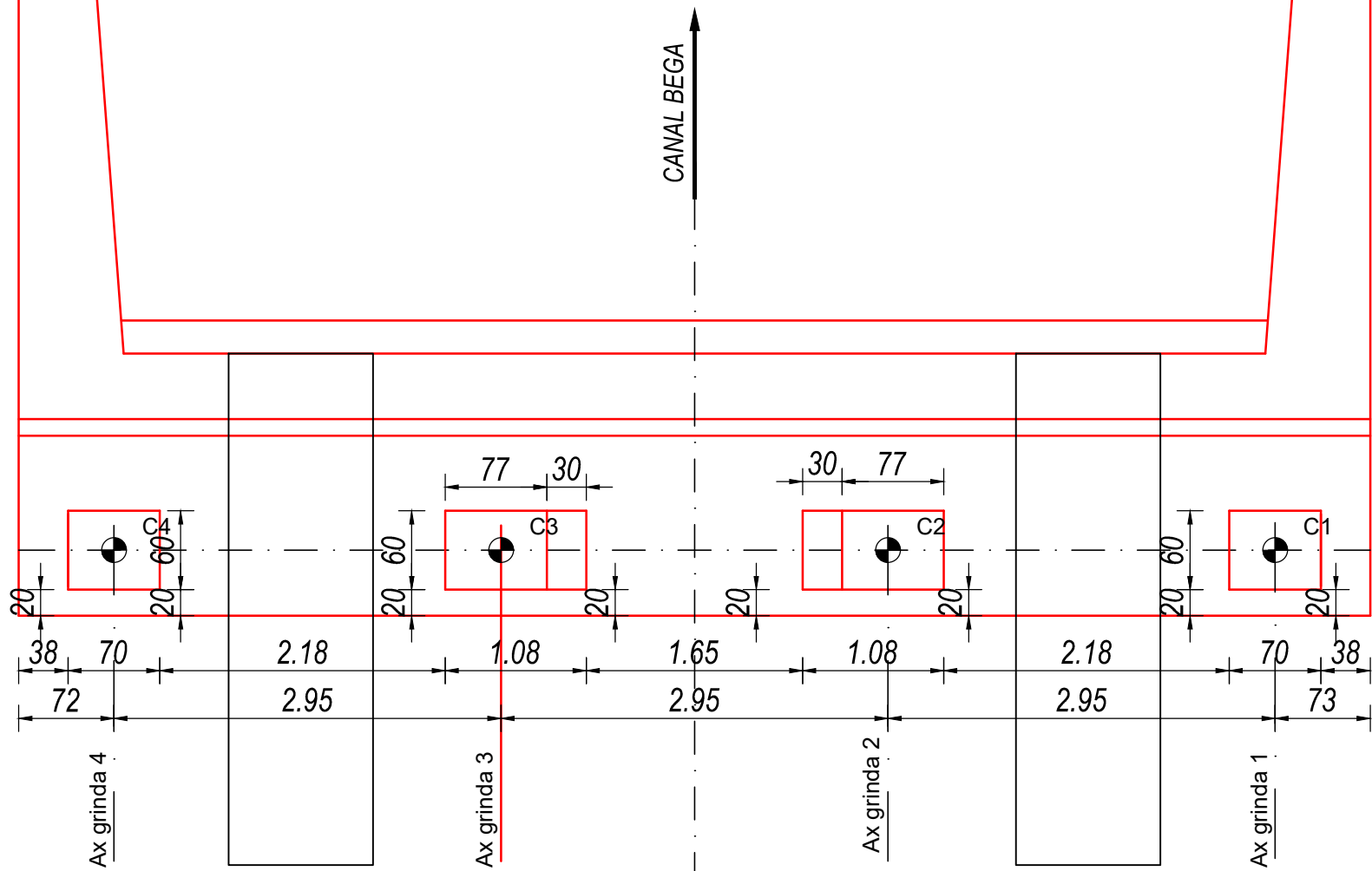


CERINTE DE CALITATE  
ELEVATII  
Beton: C30/37  
Otel: BST500C  
Clasa de expunere: XC4, XD1, XF2.  
Valoare max. A/C: 0.50  
Dozaj min. ciment: 300 Kg/m³

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

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 KM1+528 PESTE CF 132  
TIMISOARA VEST-CRUCENI

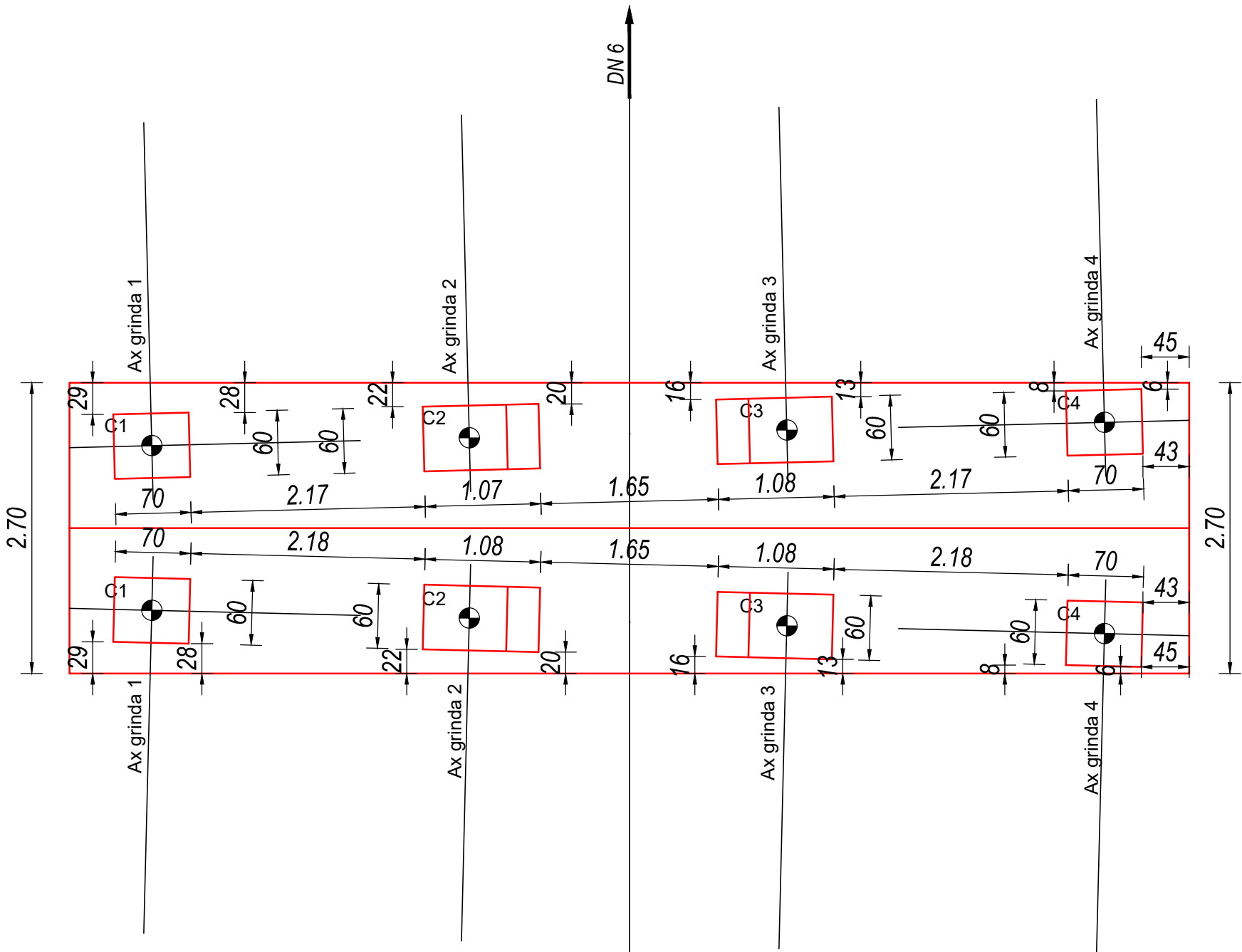
PLAN COFRAJ CUZINETI CULEE  
C1

Scara : 1:50

NUMAR PLANSĂ  
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/m<sup>3</sup>

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;



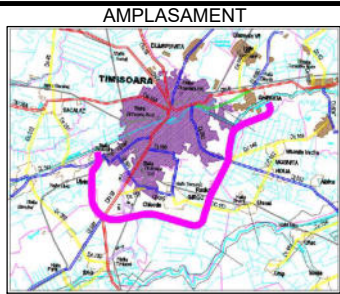
INVESTITOR

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

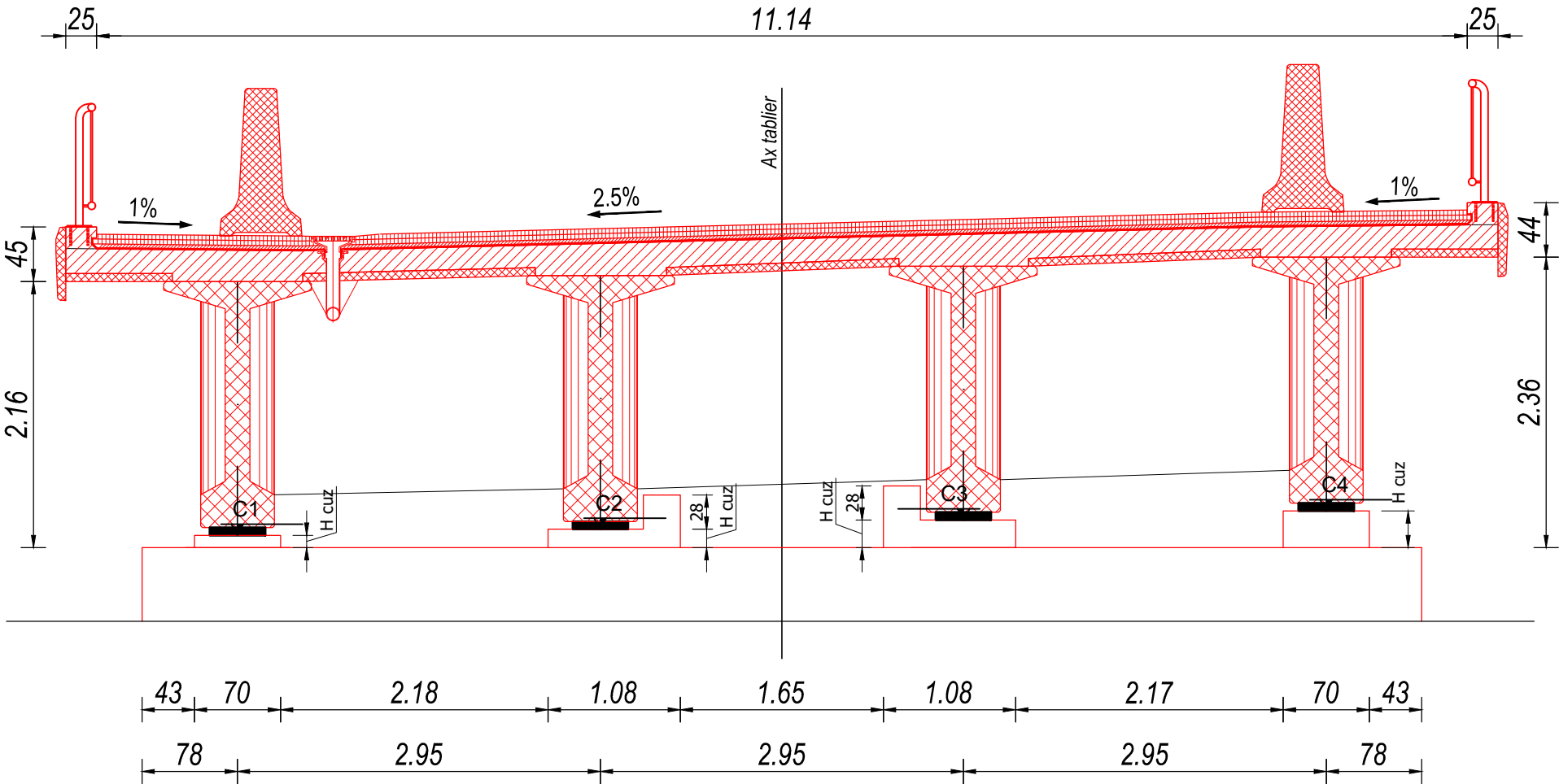
PLAN COFRAJ CUZINETI PILA  
P1, P6 SI P7

Scara : 1:50

NUMAR PLANSA

10036-VOTM-STR02-Ci-09

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



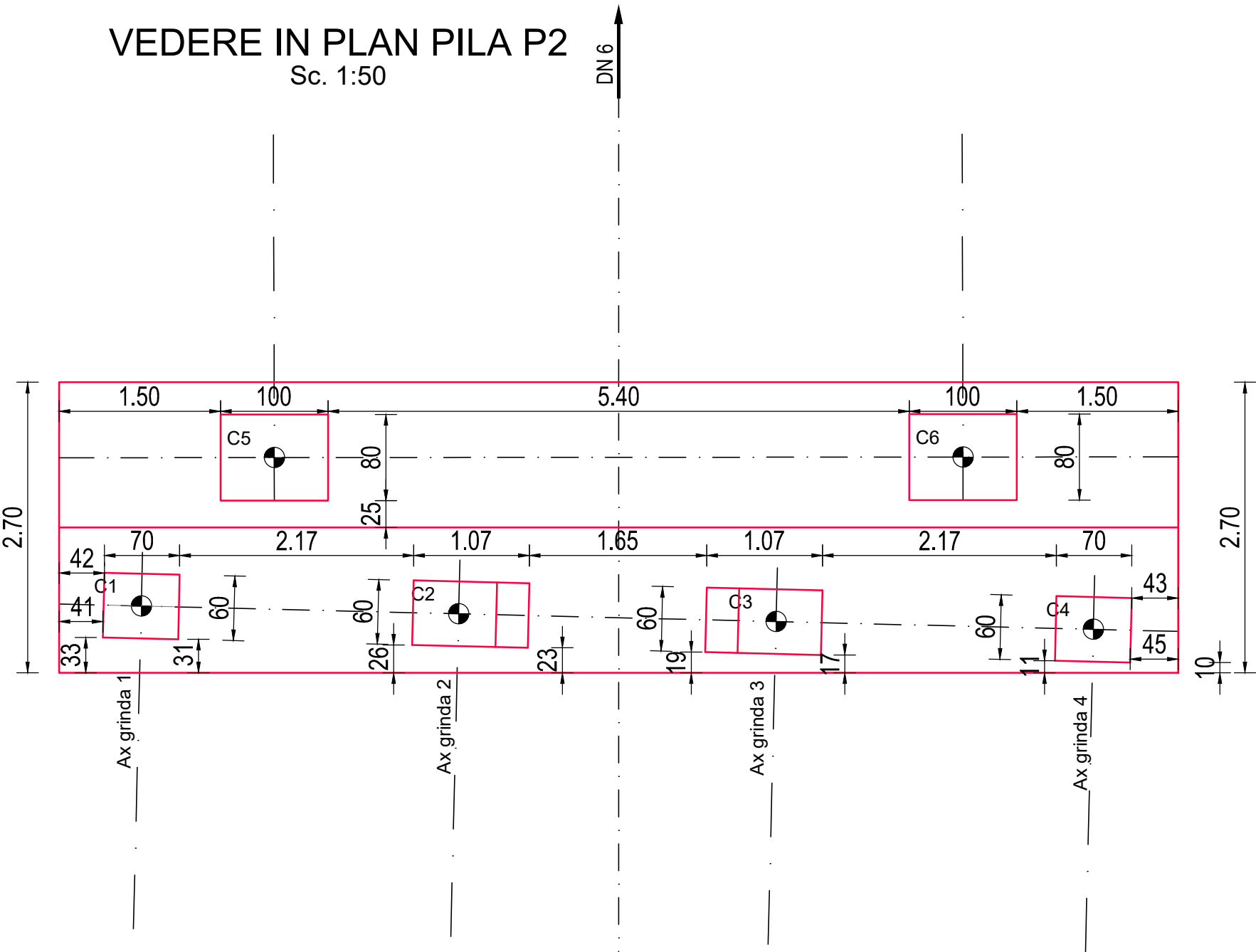
Cote cuzineti Pila P1				
	C1	C2	C3	C4
Cota cale pe culee	95.628	95.683	95.757	95.823
H-Ar+Gr+Sbet+Cale	2.415	2.421	2.421	2.411
Cota cuzinet	93.213	93.262	93.336	93.412

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

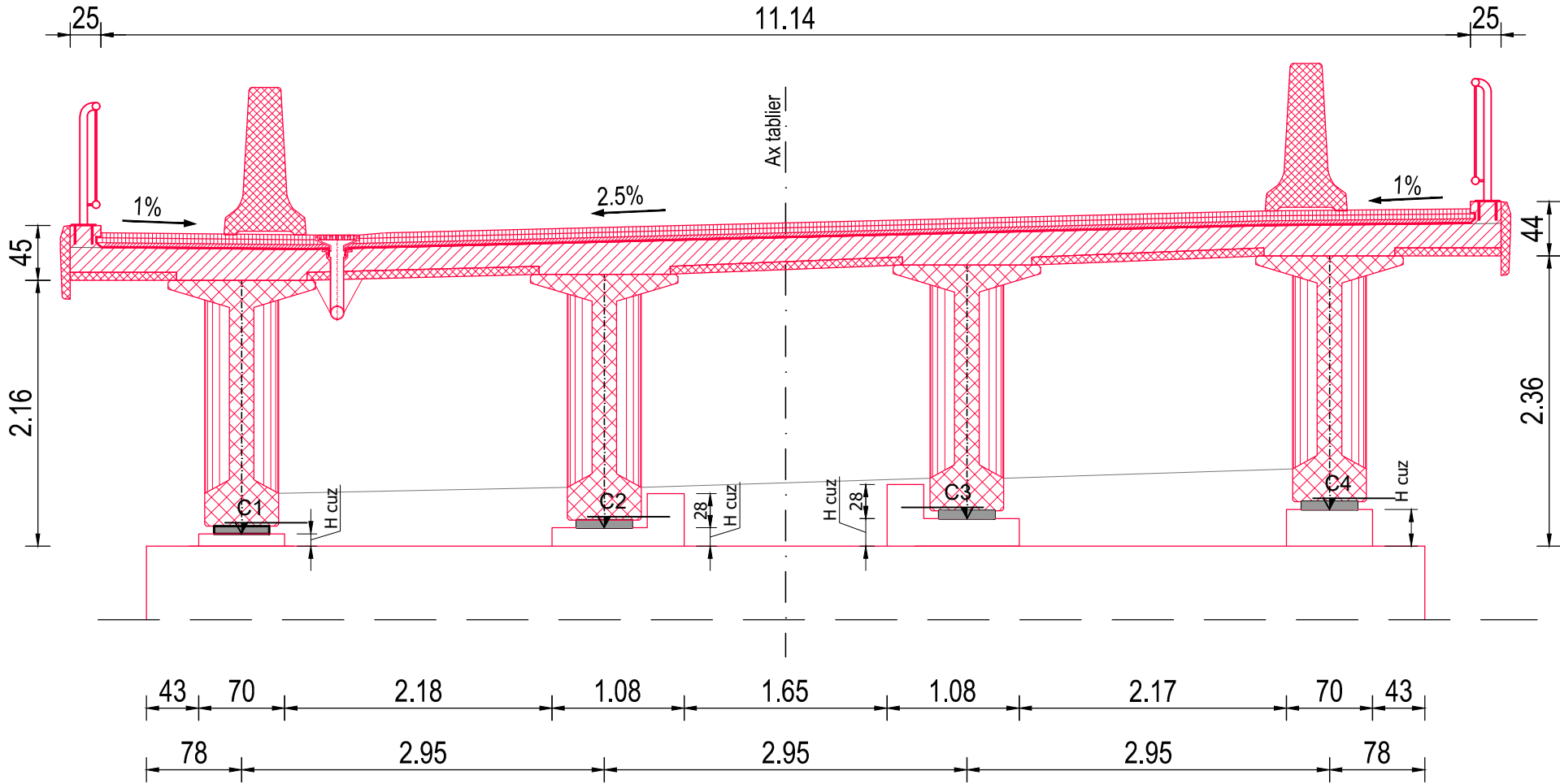


CERINTE DE CALITATE  
ELEVATII  
Beton: C30/37  
Otel: BST500C  
Clasa de expunere: XC4, XD1, XF2.  
Valoare max. A/C: 0.50  
Dozaj min. ciment: 300 Kg/m³

**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;

VEDERE DIN FATA PLIA P2  
Sc. 1:50



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

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 KM1+528 PESTE CF 132  
TIMISOARA VEST-CRUCENI

PLAN COFRAJ CUZINETI PILA  
P2

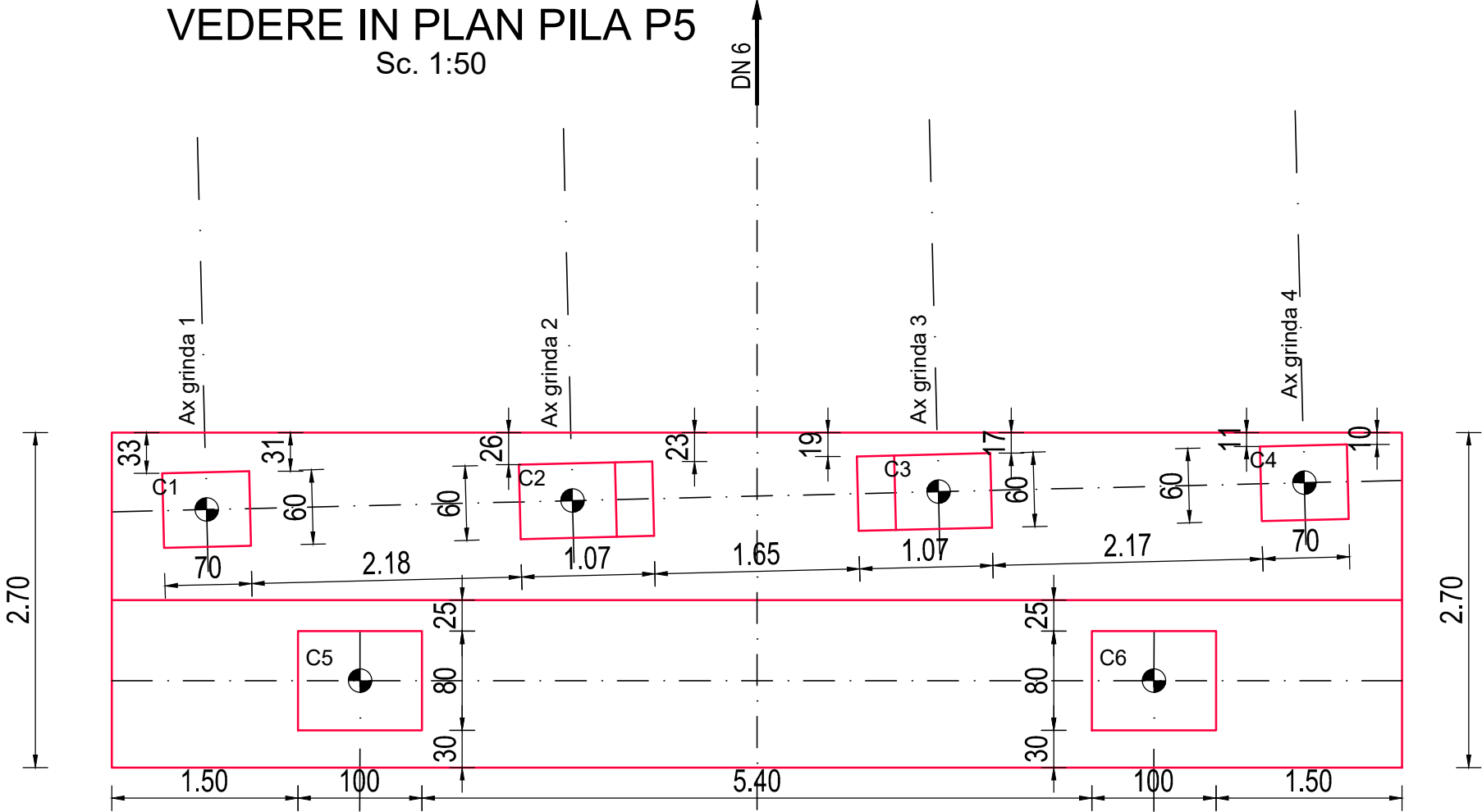
Scara : 1:50

NUMAR PLANSA  
10036-VOTM-STR02-CI-10





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/m<sup>3</sup>

**LEGENDA:**

REALIZAT-

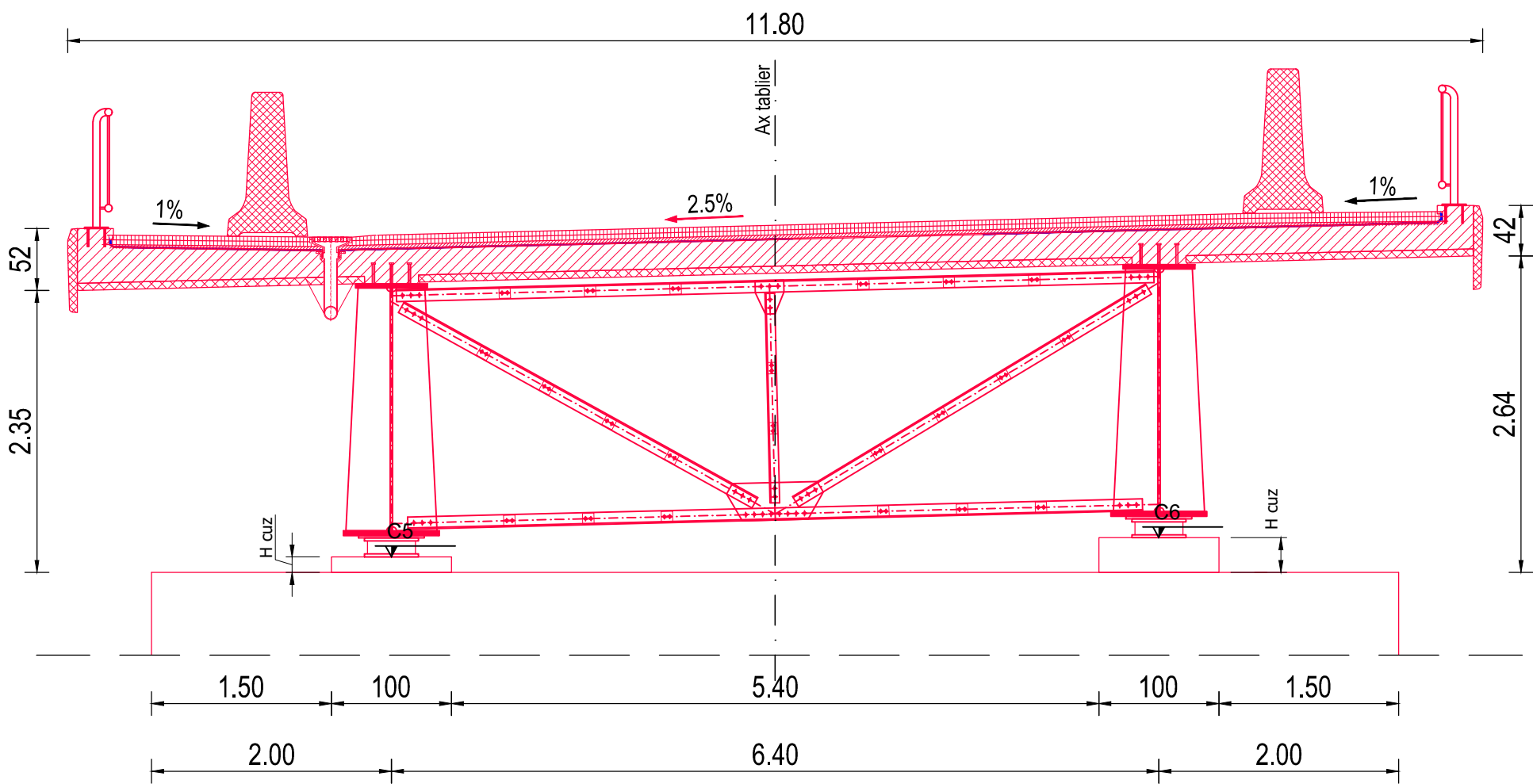
NEREALIZAT-

- 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;



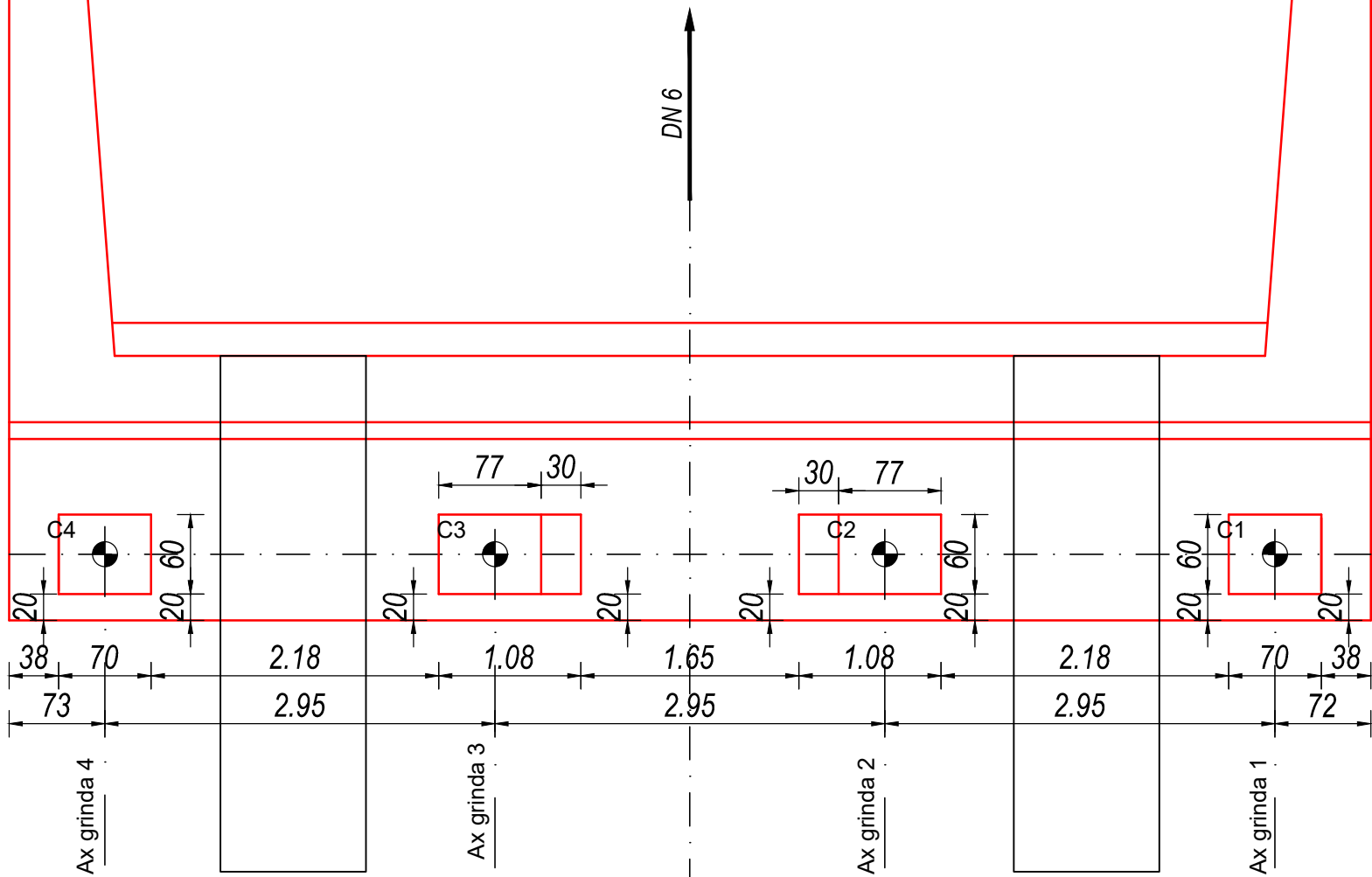
Cote cuzineti Pila P5						
	C1	C2	C3	C4	C5	C6
Cota cale pe culee	96.358	96.413	96.487	96.553	96.370	96.530
H-Ar+Gr+Sbet+Cale	2.437	2.443	2.443	2.433	2.685	2.685
Cota cuzinet	93.921	93.970	94.044	94.120	93.685	93.845

VEDERE DIN FATA PLIA P5  
Sc. 1:50

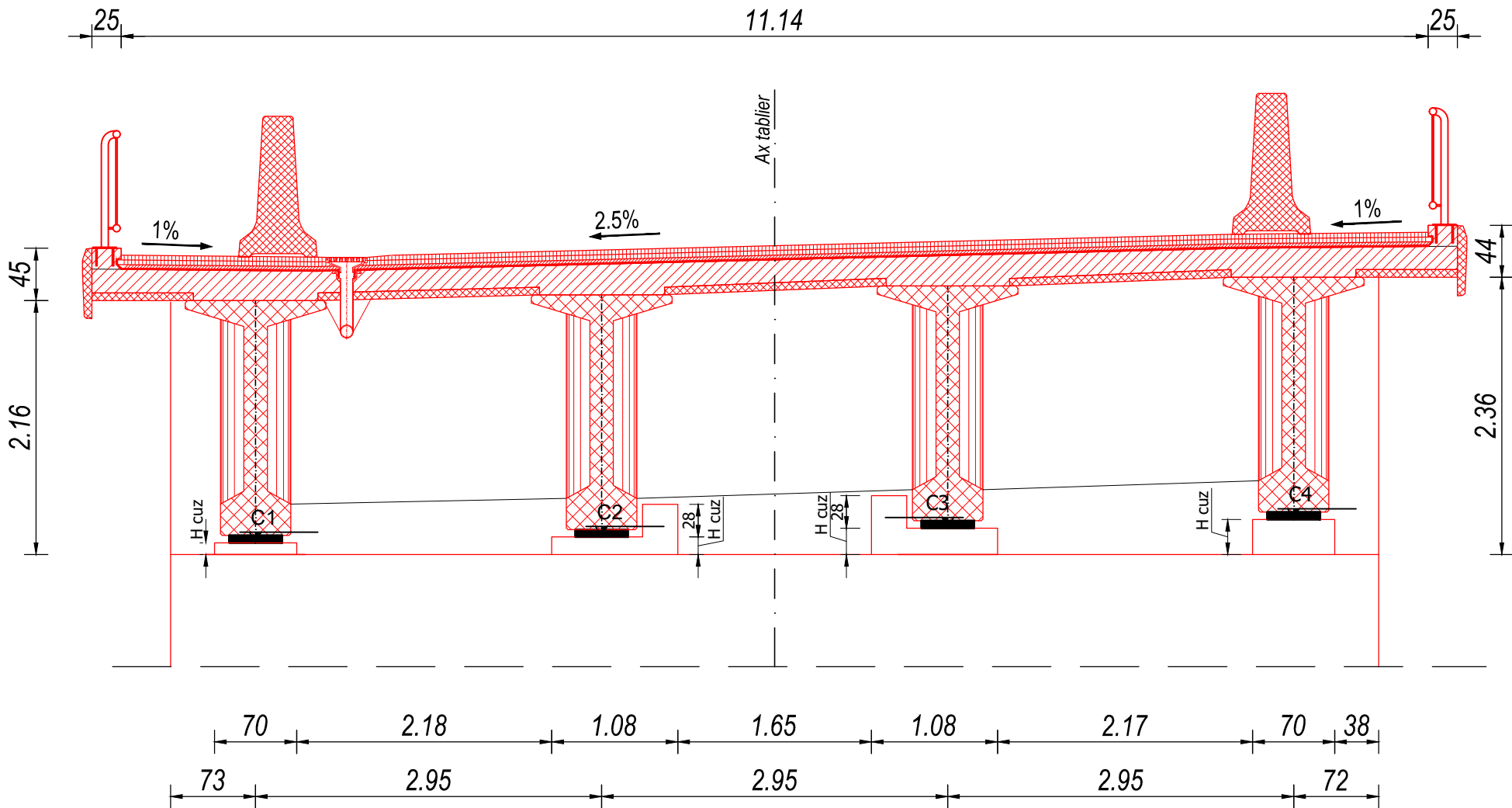


<b>INVESTITOR</b>  COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE S.A.	<b>PROIECTANT GENERAL</b>  D.P. CONSULT S.A.	<b>AMPLASAMENT</b> 		<b>DENUMIRE PROIECT</b> PROIECTARE SI EXECUTIE "VARIANTA DE OCOLIRE TIMISOARA SUD" ELABORARE PROIECT TEHNIC REST DE EXECUTAT	<b>FAZA PROIECT</b> PROIECT TEHNIC REST DE EXECUTAT	<b>Manager de Proiect</b> ing. Silvan Moldovan	<table><tr><th colspan="3">REVIZII</th></tr><tr><th>NR. REV.</th><th>DATA</th><th>SEMN.</th></tr><tr><td> </td><td> </td><td> </td></tr></table>	REVIZII			NR. REV.	DATA	SEMN.				<b>DENUMIRE PLANSA</b> PASAJ KM1+528 PESTE CF 132 TIMISOARA VEST-CRUCENI  PLAN COFRAJ CUZINETI PILA P5  Scara : 1:50  <b>NUMAR PLANSA</b> 10036-VOTM-STR02-CI-12
		REVIZII															
		NR. REV.	DATA	SEMN.													
<b>NUMAR CONTRACT:</b> 550/36/09.02.2023	Data : 03.2023	<b>Sef Echipa Proiectare</b> ing. Raul Cocis															
<b>NUMAR PROIECT :</b> 556	VERIFICATOR TEHNIC	<b>Inginer Proiectant Poduri</b> ing. Attila Takacs															
		<b>Inginer Proiectant</b> ing. Teodor Sabadis															

VEDERE IN PLAN CULEE C2  
Sc. 1:50



VEDERE DIN FATA CULEE C2  
Sc. 1:50

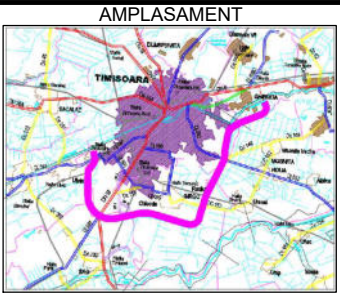


CERINTE DE CALITATE  
ELEVATII  
Beton: C30/37  
Otel: BST500C  
Clasa de expunere: XC4, XD1, XF2.  
Valoare max. A/C: 0.50  
Dozaj min. ciment: 300 Kg/m<sup>3</sup>

LEGENDA:  
REALIZAT-  
NEREALIZAT-

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;



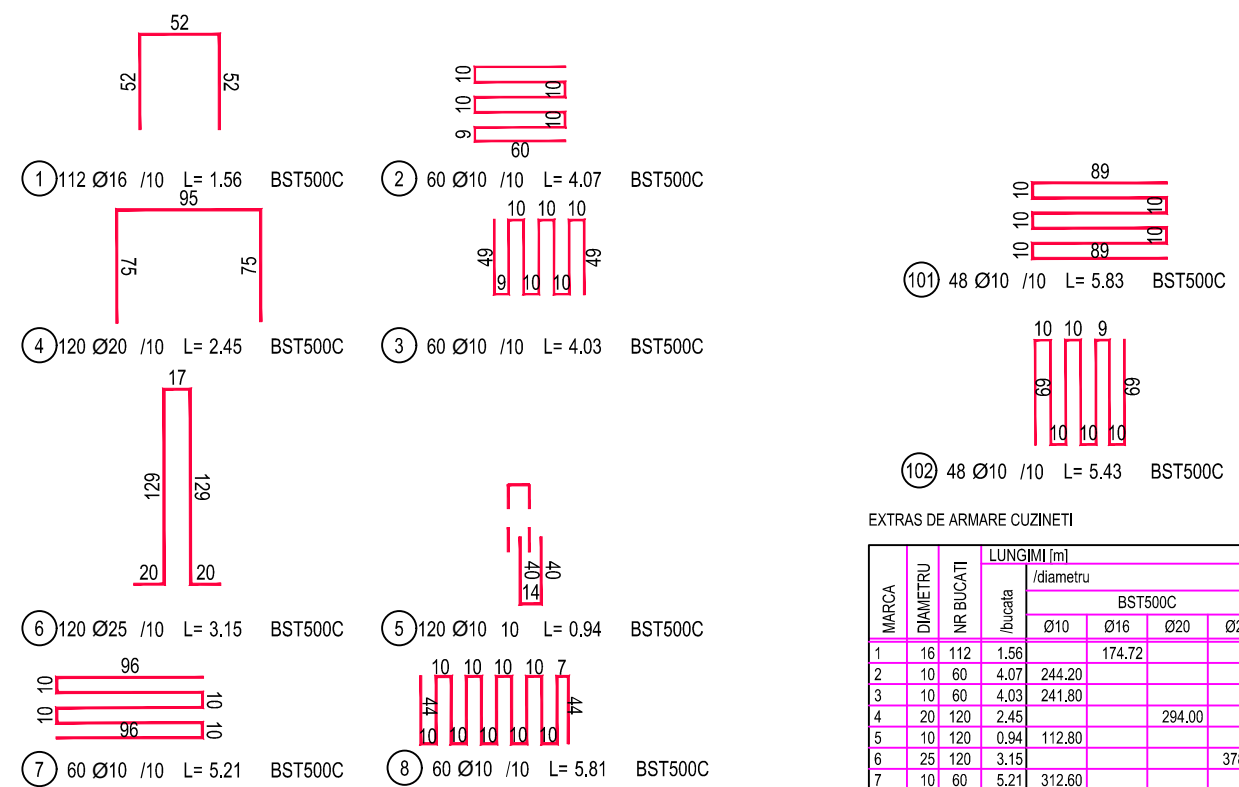
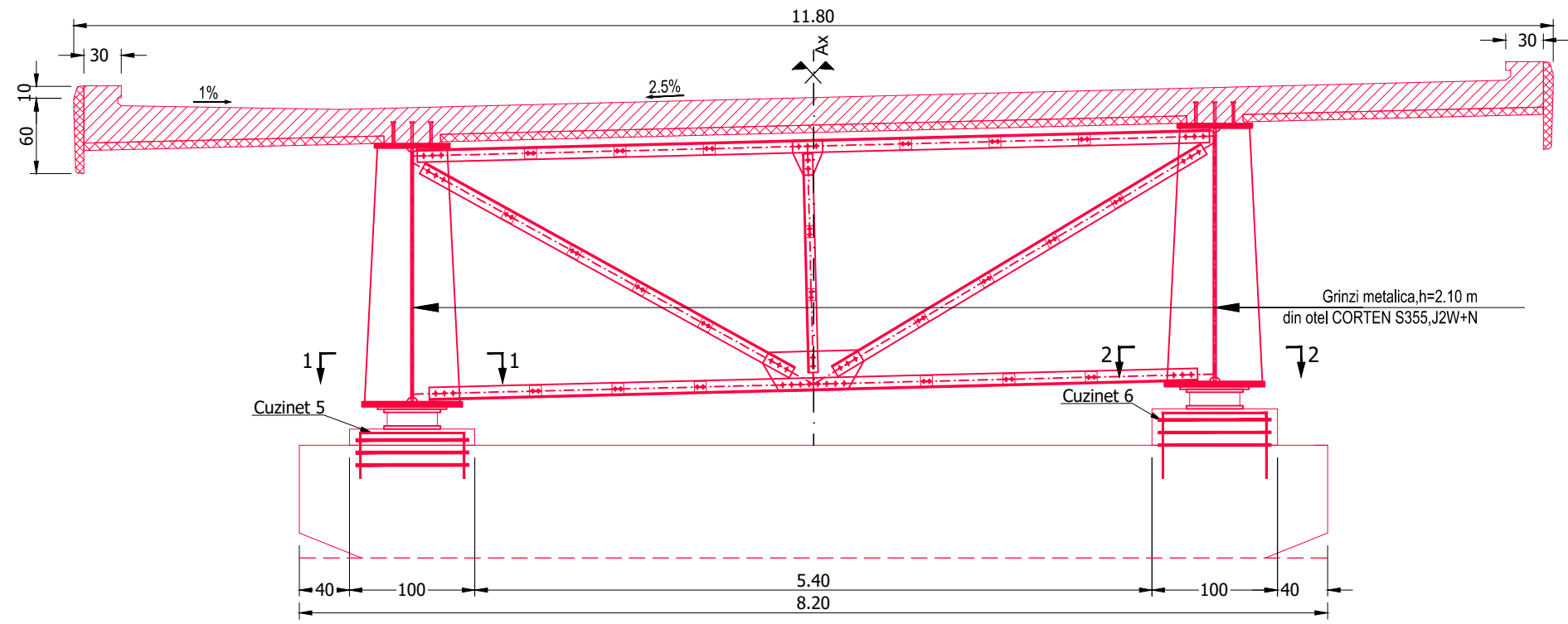
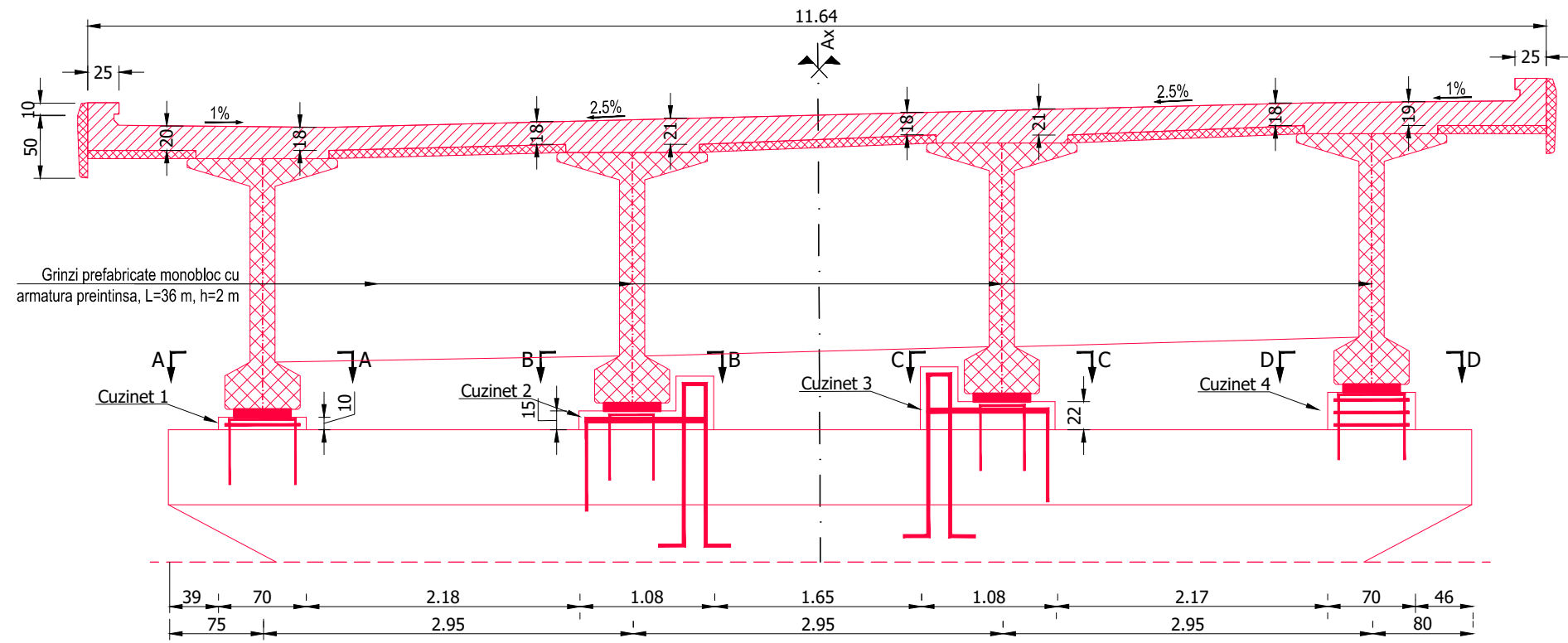
DENUMIRE PROIECT  
PROIECTARE SI EXECUTIE  
"VARIANTA DE OCOLIRE  
TIMISOARA SUD"  
ELABORARE PROIECT TEHNIC  
REST DE EXECUTAT  
NUMAR CONTRACT: 550/36/09.02.2023  
NUMAR PROIECT : 556

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 PLANSĂ PASAJ KM1+528 PESTE CF 132 TIMISOARA VEST-CRUCENI PLAN COFRAJ CUZINETI CULEE C2 Scara : 1:50 NUMAR PLANSĂ 10036-VOTM-STR02-Ci-13
NR. REV.	DATA	SEM.N.	





EXTRAS DE ARMARE CUZINETI							
MARCA	DIAMETRU	NR BUCATI	LUNGIMI [m]				
			Inaltime	/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]	Inaltime			0.617	1.580	2.489	3.858
	/diametru			1800.48	276.12	725.97	1458.43
	totala			4261.01			

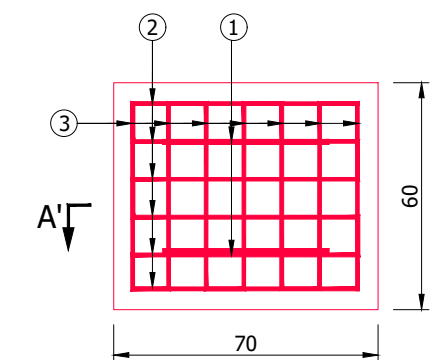
CERINTE DE CALITATE  
ELEVATII  
Beton: C30/37  
Otel: BST500C  
Clasa de expunere: XC4+XD1+XF2.  
Valoare max. A/C: 0.50<sup>h</sup>  
Dozaj min. ciment: 320 Kg/m<sup>3</sup>

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

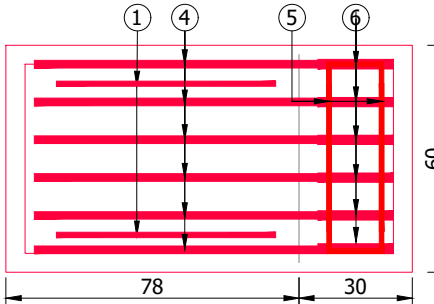
NOTA:  
- Stratul minim de acoperire este 5cm;  
- Toate dimensiunile barelor sunt date în ax;  
- Constructorul are obligaţia de a verifica proiectul înainte de a  
proceda la executie şi de a comunica proiectantului orice  
nepotrivire, eroare sau neclaritate pentru a face corecţiile sau  
clarificările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

LEGENDA:  
REALIZAT-  
NEREALIZAT-

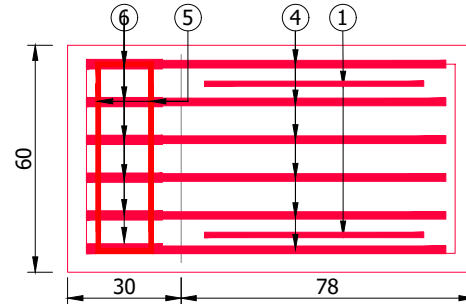
SECȚIUNE A-A  
Scara 1:20



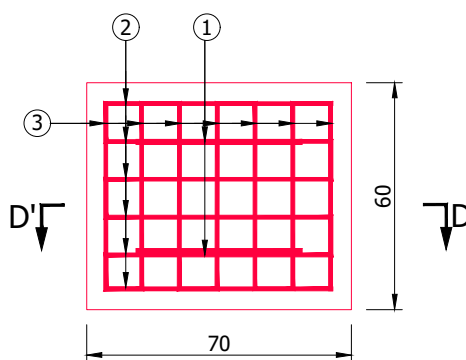
SECȚIUNE B-B  
Scara 1:20



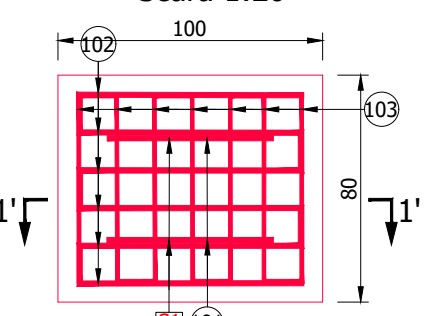
SECȚIUNE C-C  
Scara 1:20



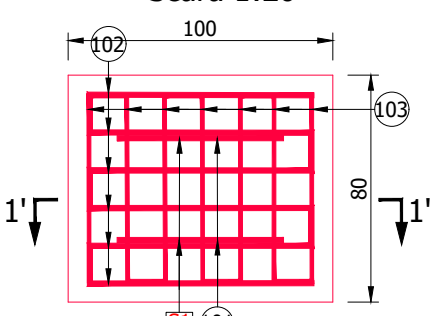
SECȚIUNE D-D  
Scara 1:20



SECȚIUNE 1-1  
CUZINET 5  
Scara 1:20

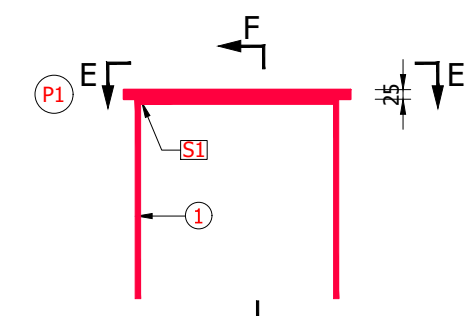


SECȚIUNE 2-2  
CUZINET 6  
Scara 1:20

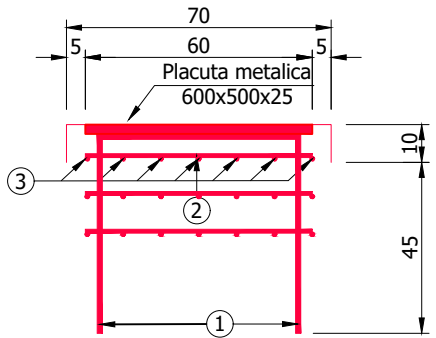


DETALII PLACUTA METALICA  
600x 500 x25 mm

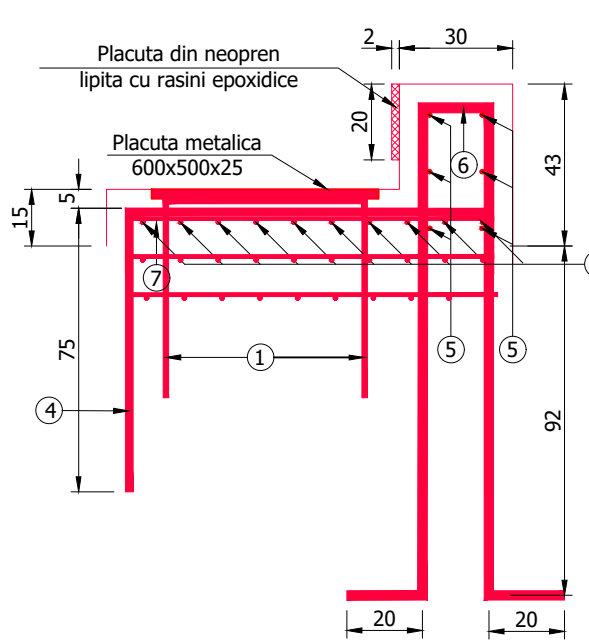
SECȚIUNE G-G  
Scara 1:20



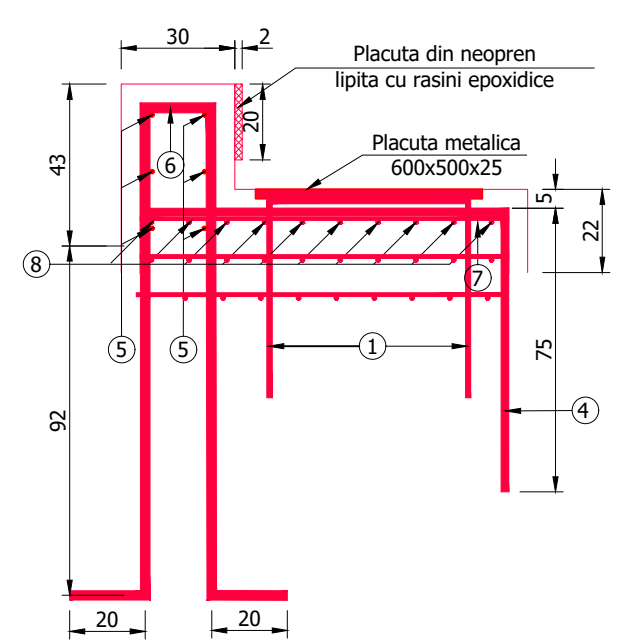
SECȚIUNE A'-A'  
Scara 1:20



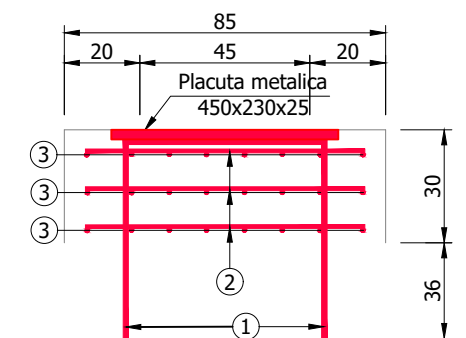
SECȚIUNE B'-B'  
Scara 1:20



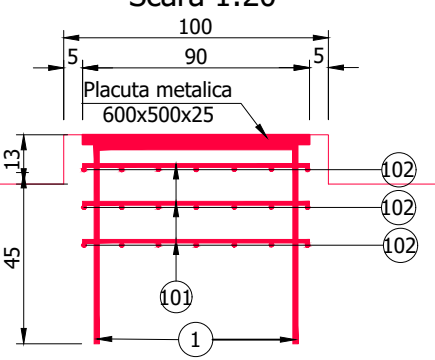
SECȚIUNE C'-C'  
Scara 1:20



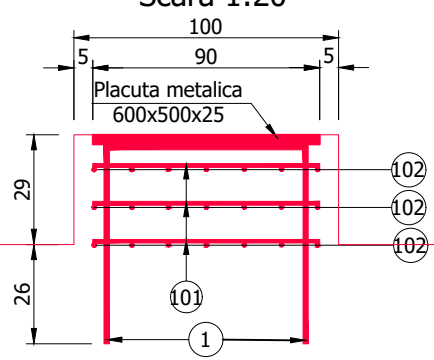
SECȚIUNE D'-D'  
Scara 1:20



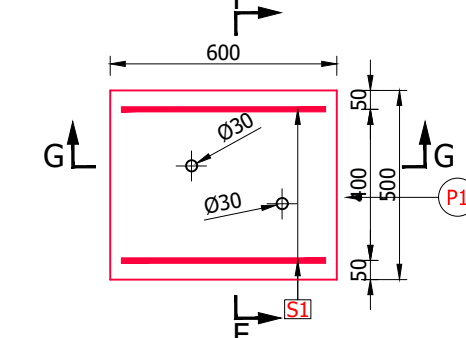
SECȚIUNE 1'-1'  
CUZINET 5  
Scara 1:20



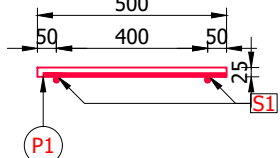
SECȚIUNE 2'-2'  
CUZINET 6  
Scara 1:20



SECȚIUNE E-E  
Scara 1:20

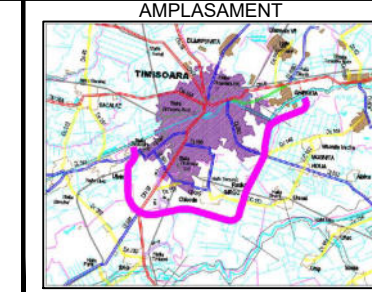


SECȚIUNE F-F  
Scara 1:20



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

PROIECTANT GENERAL  
D.P. CONSULT S.A.



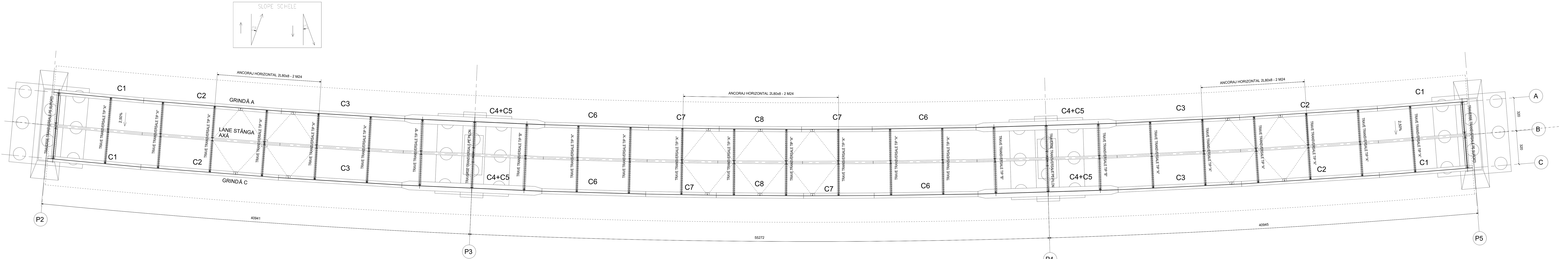
DENUMIRE PROIECT  
PROIECTARE SI EXECUTIE  
"VARIANTA DE OCOLIRE  
TIMISOARA SUD"  
ELABORARE PROIECT TEHNIC  
REST DE EXECUTAT  
NUMAR CONTRACT: 550/36/09.02.2023  
NUMAR PROIECT : 556

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

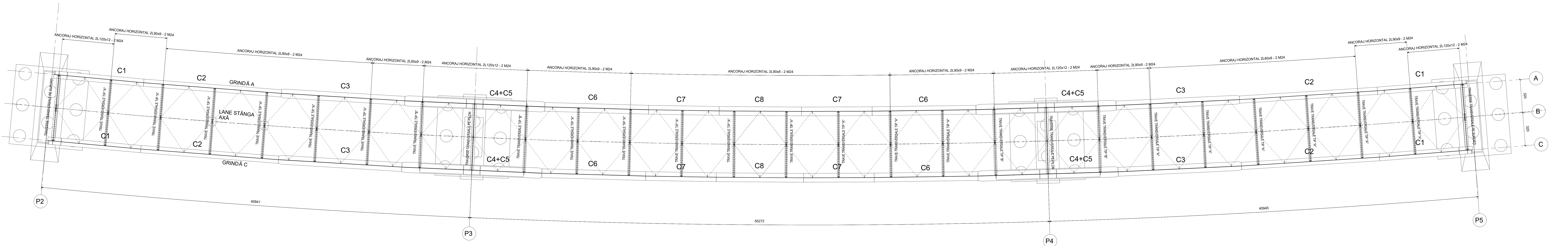
Manager de Proiect  
ing. Silvan Moldovan  
Sef Echipa Proiectare  
ing. Raul Cocis  
Inginer Proiectant Poduri  
ing. Attila Takacs  
Inginer Proiectant  
ing. Teodor Sabadis

REVIZII  
NR. REV. DATA SEMN.  
DENUMIRE PLANSA  
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 VEDERE PLANA (SUPERIOARE)  
1 : 100



2 VEDERE PLANA (INFERIOARE)  
1 : 100

MATERIALE - RETETE

Structura din oțel EN 10025-5

Grosime elemente sudor  $\leq 40$  mm S235J2H+N (echivalent O1.52 EP)  $f_k > 355$  N/mm<sup>2</sup>

Unghiular, plăci și alte nu sudor S235J2H+N (echivalent O1.52 EP)  $f_k > 355$  N/mm<sup>2</sup>

SUDARE în conformitate cu prevederile EN 1993-1-8

Grosime sudor  $\geq$  val. tabelele, art.14.1. > 0,5 t (t=grosime itase)

SURUBURI

Surub categoria 10.9 (DIN 14339-4 H=41)

Plăci categoria 80 (DIN 14339-4 H=41)

Sabie din oțel (EN 14332-4 H=41)

Pretensiunare: M16 Na = 110 kN

Pretensiunare: M24 Na = 247 kN

Pretensiunare: M27 Na = 321 kN

ȘNURURI

SURUBURI M16 SURUBURI M20 SURUBURI M24 SURUBURI M27 CONECTORI # 22

Foraj, diametre pentru asamblare: M16:

gaură ø la 20 mm +1 mm

gaură ø peste 20 mm +1,5 mm

CONECTORI




Conectori de tip "buck" ø 22 mm (1/2") h = 175 mm

Oțel EN10025-5N10024 S235J2H C3 + C450

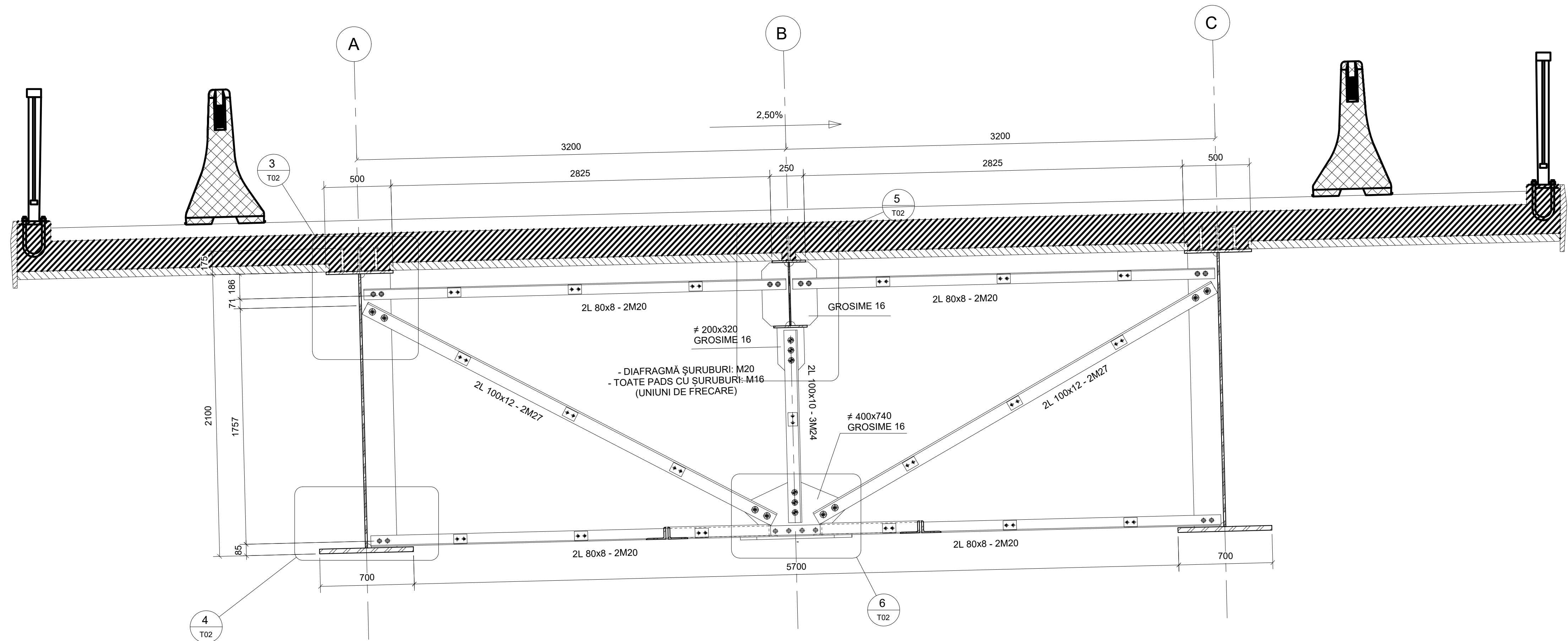
$f_k > 355$  N/mm<sup>2</sup>

$R_k > 450$  N/mm<sup>2</sup>

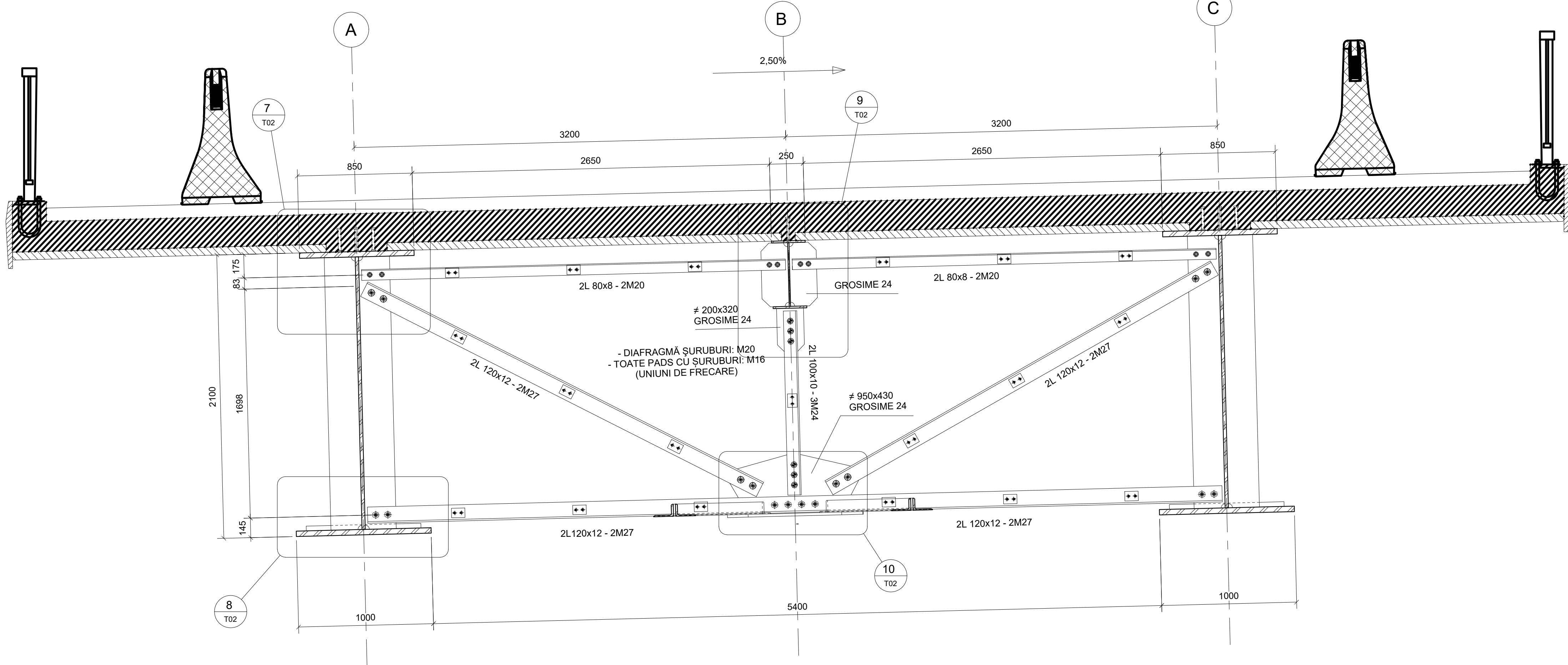
Distanță > 125

INVESTITOR		PROIECTANT GENERAL		AMPLASAMENT		PAZA PROIECT		Manager de Proiect		REVIZII		DENUMIRE PLANȘĂ	
 D.P. CONSULT SA SOCIETATE CU RĂSPUNDABILITATE LIMITATĂ	 D.P. CONSULT SA SOCIETATE CU RĂSPUNDABILITATE LIMITATĂ		PROIECTARE ȘI EXECUȚIE TRASEMARE ȘI ELABORARE PROIECT TEHNIC REST DE EXECUTAT	NOMINAT CONTRACT: 5005000-02.2023	NOMINAT PROIECT: 386	Data: 01.2023	VERIFICATOR TEHNIC	Ing. Ștefan Mădăraș Șef Echipă Proiectare Ing. Ravi Căciș Ing. Alina Tăbăc Șef Echipă Proiectare Ing. Tăbăc Ștefan	Ing. Ștefan Mădăraș Șef Echipă Proiectare Ing. Ravi Căciș Ing. Alina Tăbăc Șef Echipă Proiectare Ing. Tăbăc Ștefan	Ing. Ștefan Mădăraș Șef Echipă Proiectare Ing. Ravi Căciș Ing. Alina Tăbăc Șef Echipă Proiectare Ing. Tăbăc Ștefan	Ing. Ștefan Mădăraș Șef Echipă Proiectare Ing. Ravi Căciș Ing. Alina Tăbăc Șef Echipă Proiectare Ing. Tăbăc Ștefan	Ing. Ștefan Mădăraș Șef Echipă Proiectare Ing. Ravi Căciș Ing. Alina Tăbăc Șef Echipă Proiectare Ing. Tăbăc Ștefan	Ing. Ștefan Mădăraș Șef Echipă Proiectare Ing. Ravi Căciș Ing. Alina Tăbăc Șef Echipă Proiectare Ing. Tăbăc Ștefan

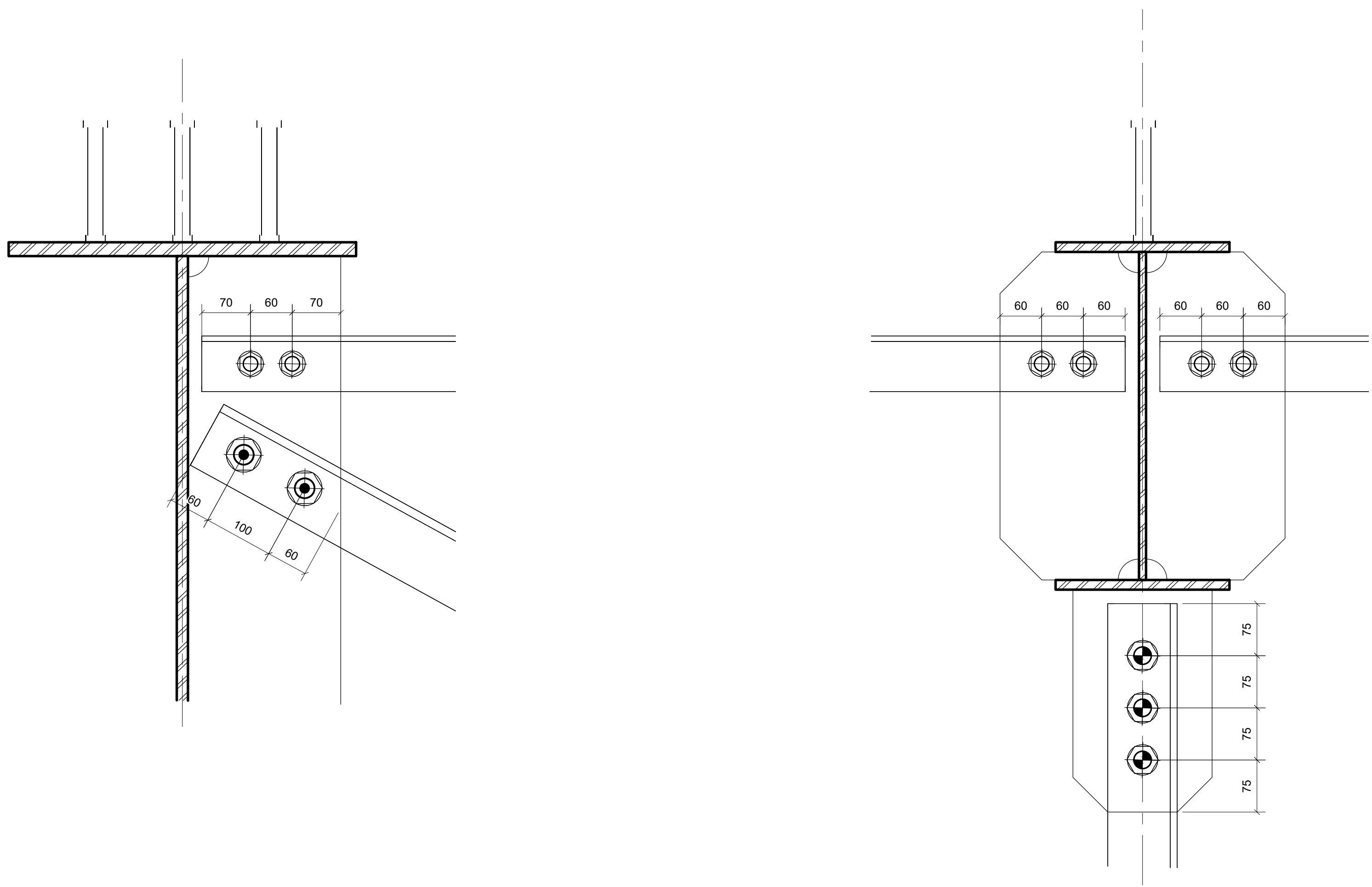




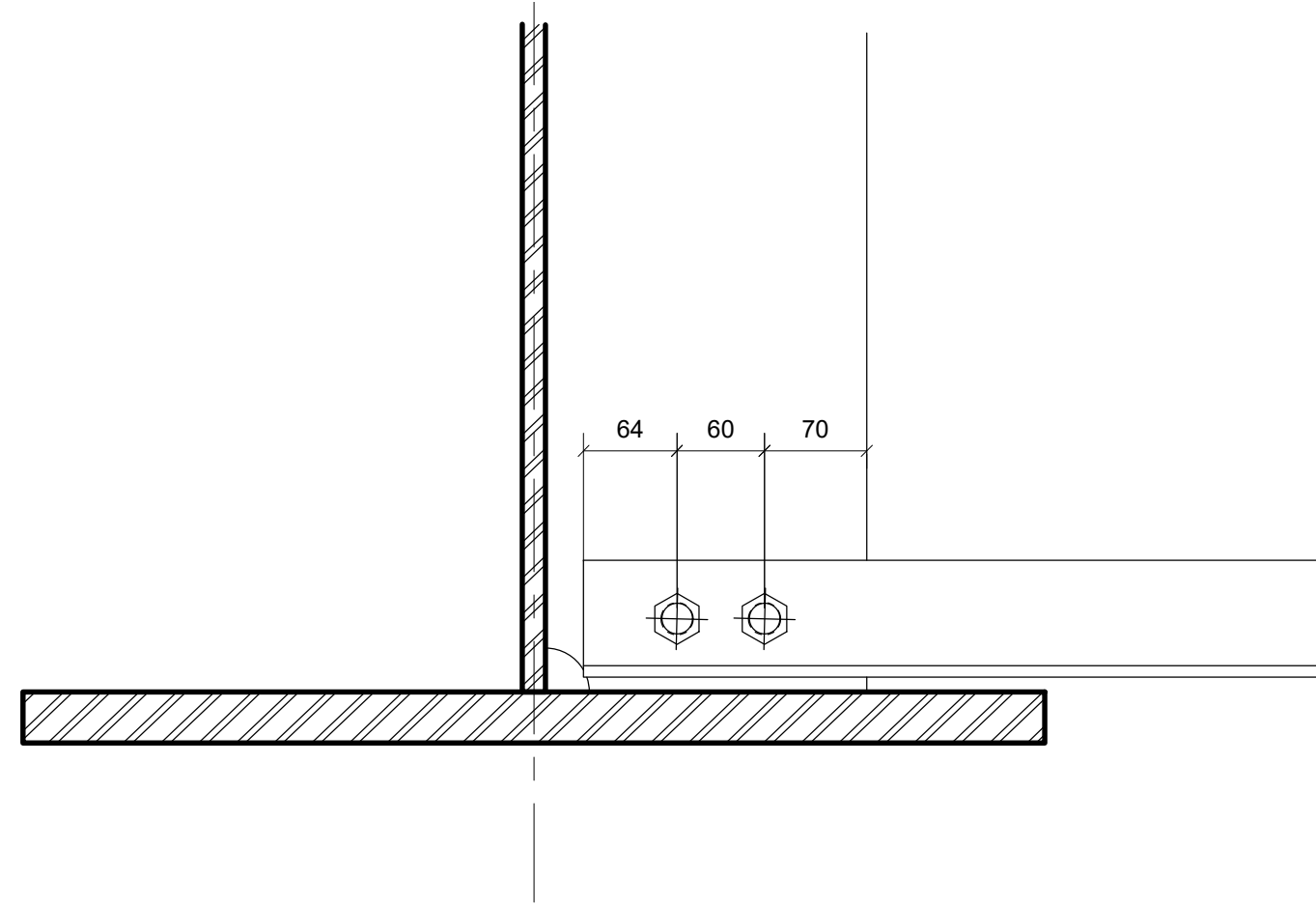
1 SECTIUNE TRANSVERSALA TIPOLOGIC TIP "A"  
1 : 20



2 SECTIUNE TRANSVERSALA APROAPE PILON TIP "B"  
1 : 20

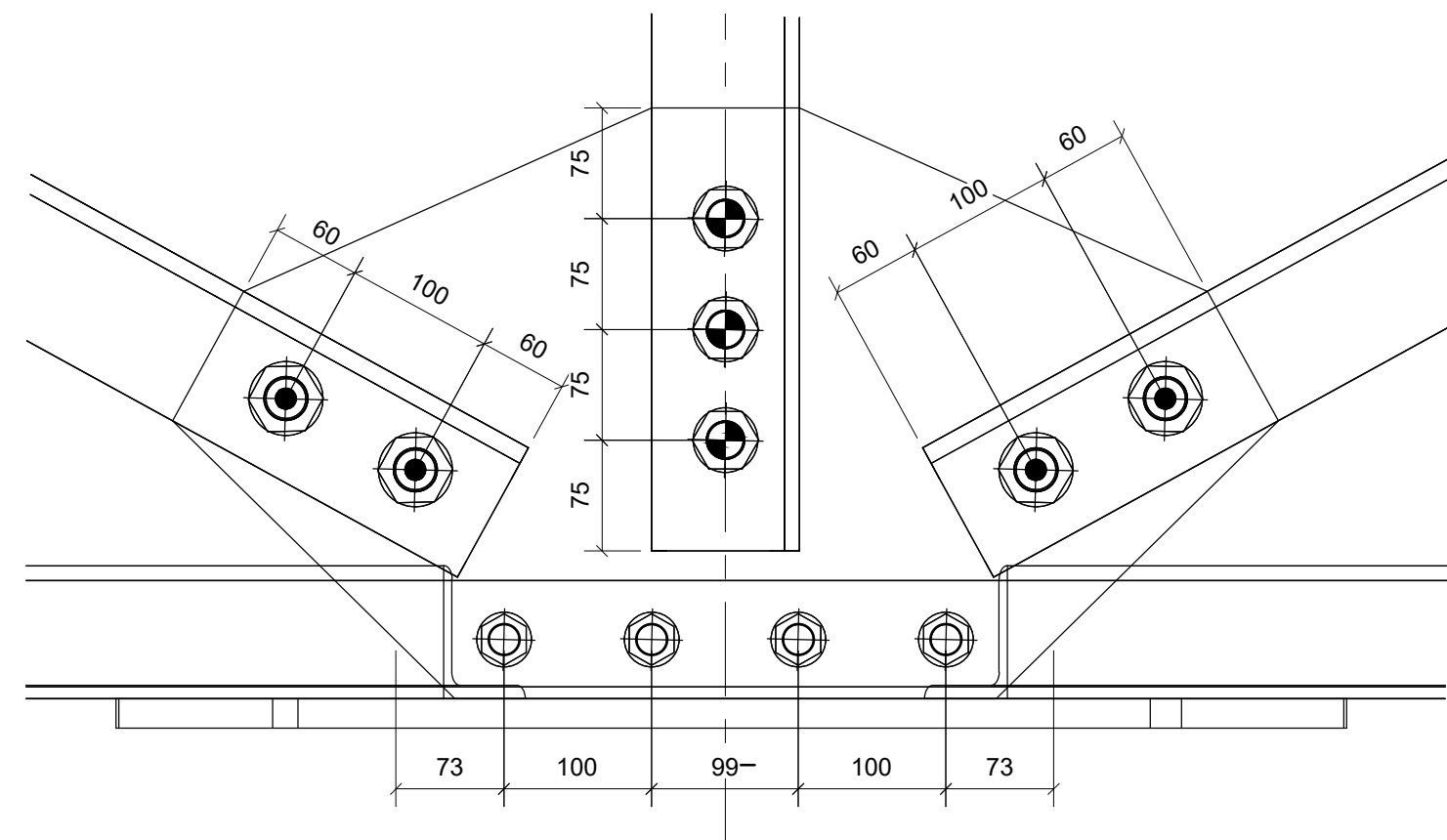


3 DETALIU "A"  
1 : 5

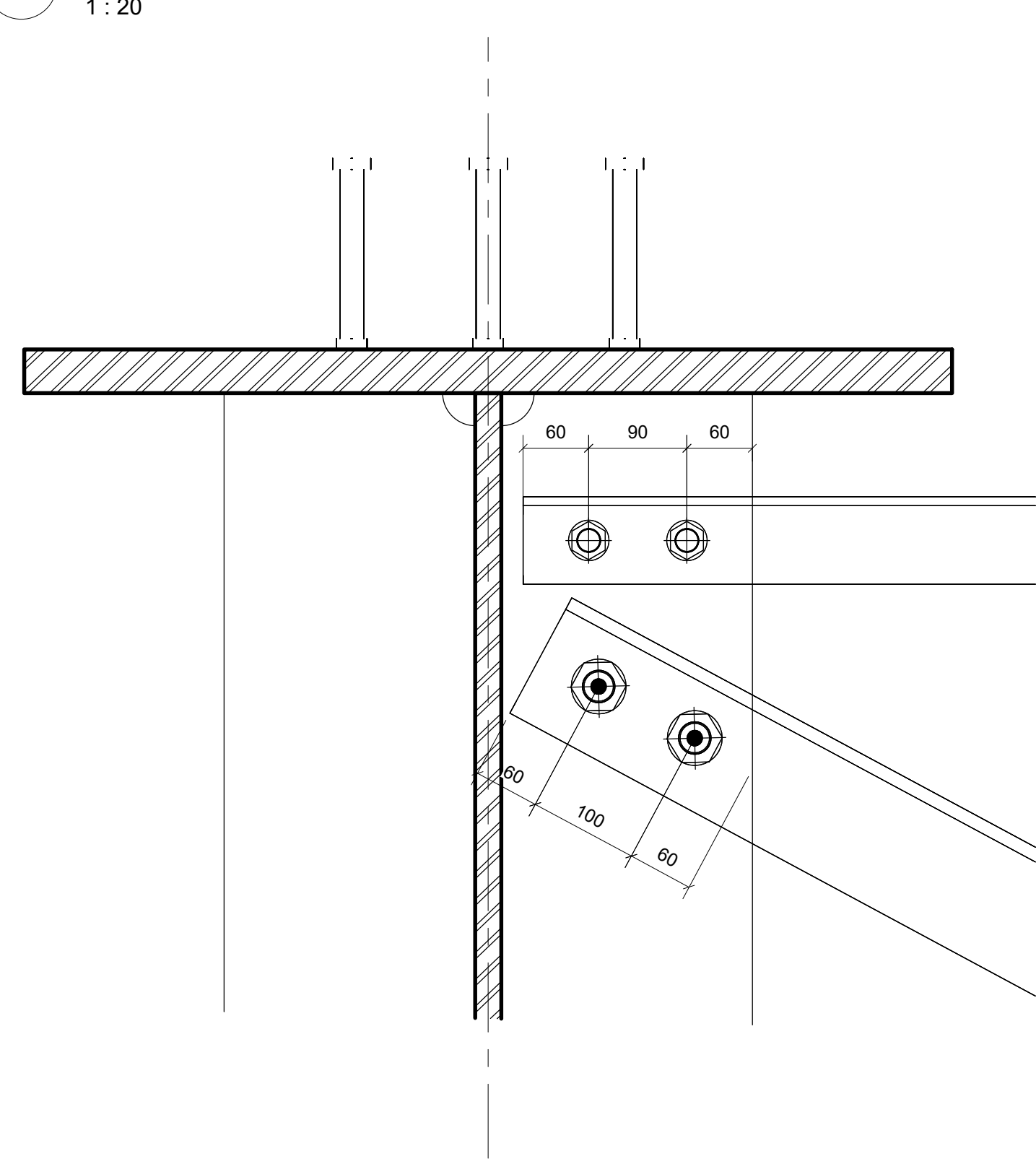


4 DETALIU "B"  
1 : 5

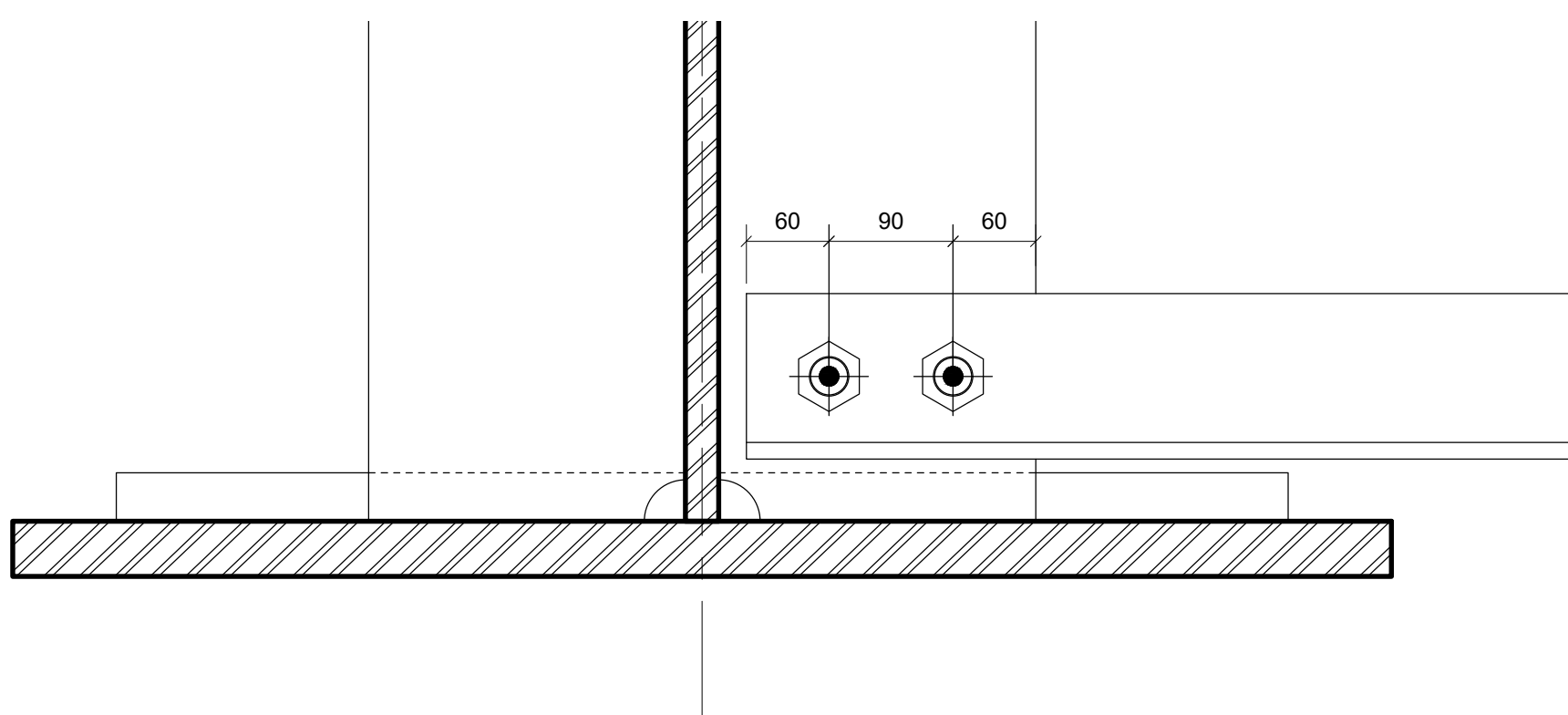
5 DETALIU "C"  
1 : 5



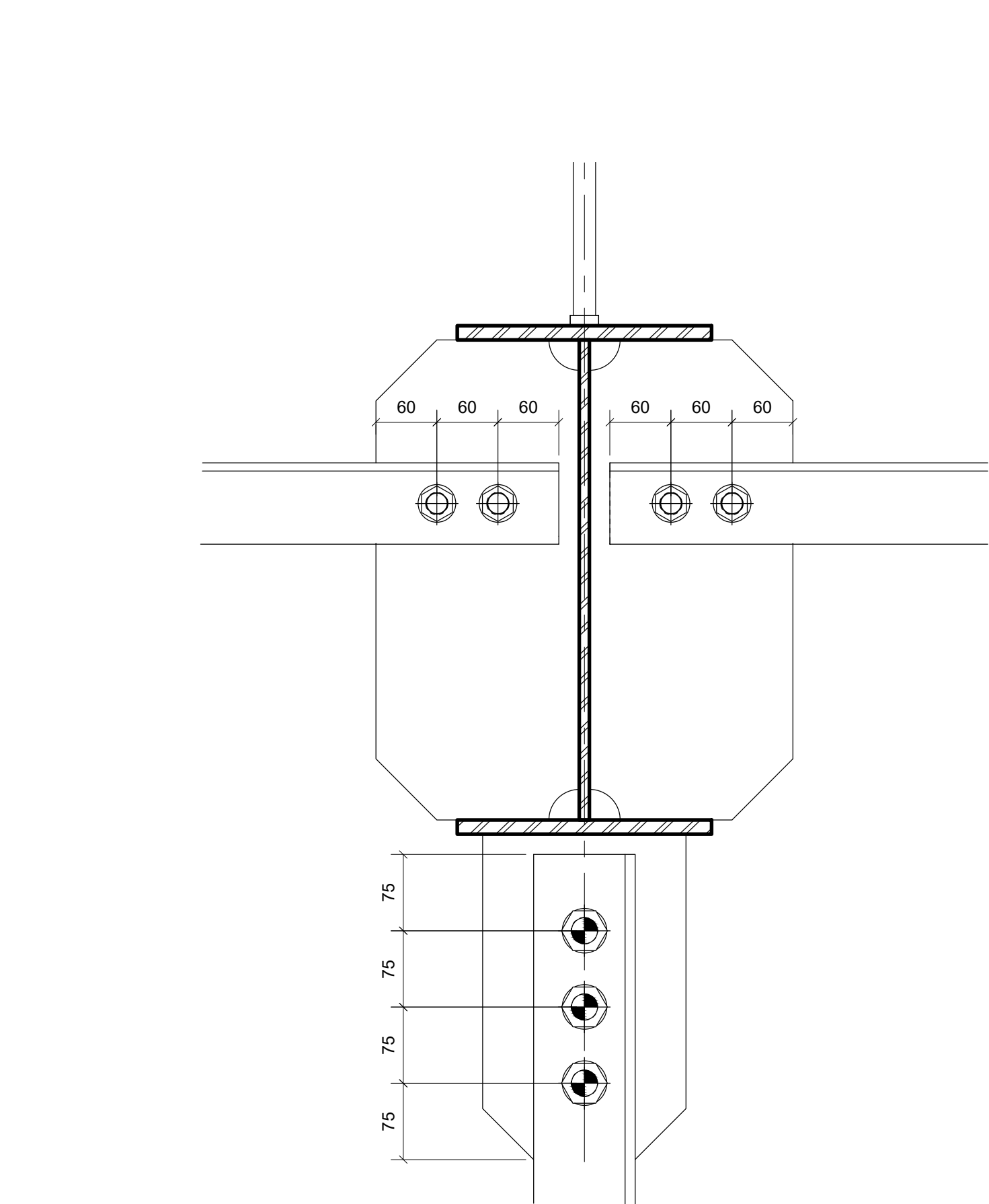
6 DETALIU "D"  
1 : 5



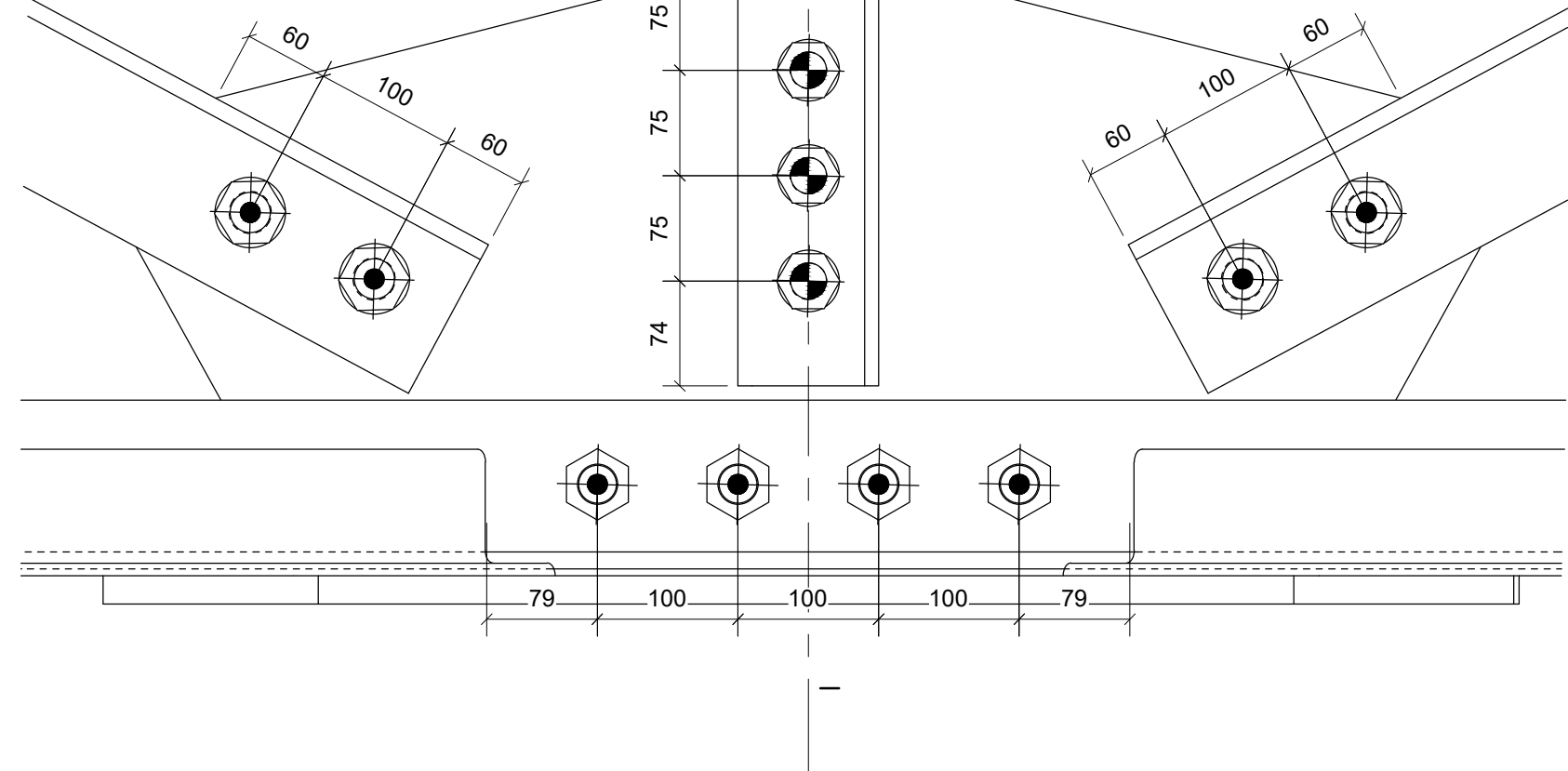
7 DETALIU "E"  
1 : 5



8 DETALIU "F"  
1 : 5



9 DETALIU "G"  
1 : 5



10 DETALIU "H"  
1 : 5

MATERIALE - REȚELE

Structura din oțel EN 10025-5

Grosime elemente sudate  $\leq 40$  mm S355J2NH (echivalent SL 32-37)  $f_y > 355$  N/mm<sup>2</sup>  
deplasare, plăci și altele supt S355J2NH (echivalent SL 32-37)  $f_y > 355$  N/mm<sup>2</sup>

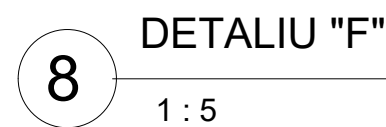
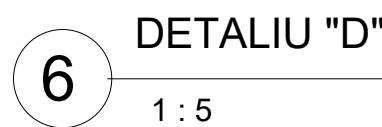
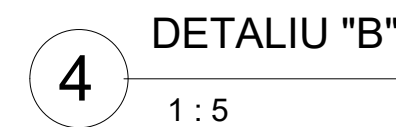
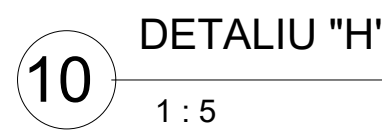
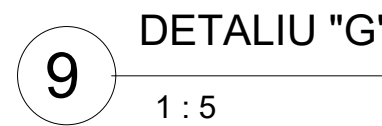
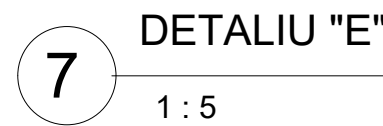
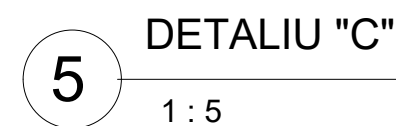
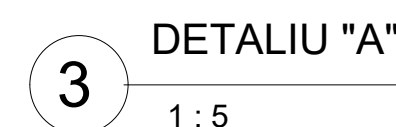
SUDURILE în conformitate cu prevederile EN 15013-1-8  
Grosime sudurii  $\geq$  vezi tabelul A814 L > 0,5 L (în grosime "baze")

SURUBURI  
Suruburi categoria 10.9 (EN 14399-4, H<sub>0</sub>=11)  
Plăcuțe categoria 8.8 (EN 14399-4, H<sub>0</sub>=11)  
Distanțier din oțel (EN 14399-4, H<sub>0</sub>=11)  
Întărire: M16 N<sub>0</sub> < 110 N<sub>0</sub>  
Întărire: M24 N<sub>0</sub> < 247 N<sub>0</sub>  
Întărire: M27 N<sub>0</sub> < 321 N<sub>0</sub>

CONECȚION  
Suruburi M16 SURUBURI M20 SURUBURI M24 SURUBURI M27 CONECȚION 8 22  
Rînduri deplasate pentru apropiere de baze  
gaura în plăci 27 mm - 42 mm  
gaura în plăci 27 mm - 42 mm

CONECȚION  
Conectori de tip "baza" 8 22 mm (7/8") - L = 175 mm  
din EN 10204-02-05-02-03-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-121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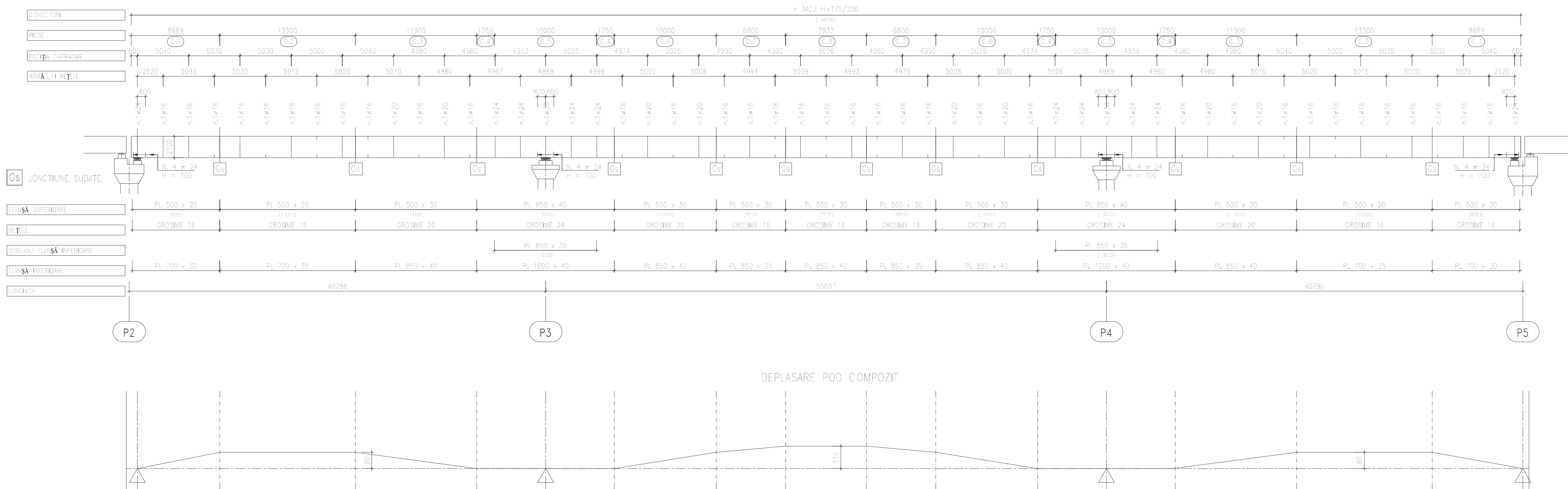




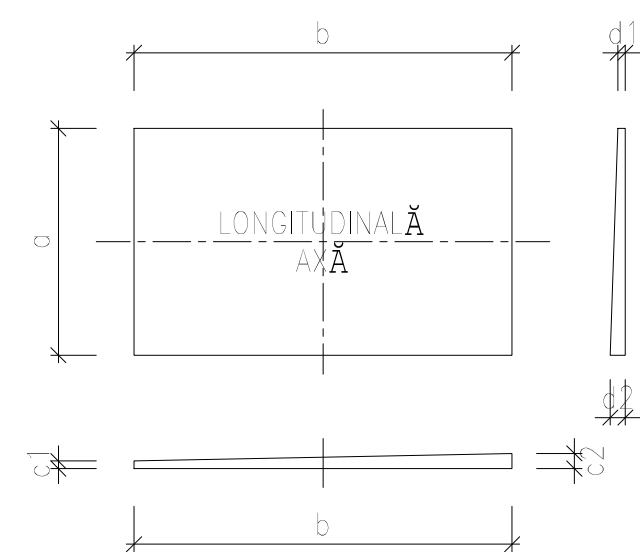


Pentru fiecare lot de oțel S355J2W+N care vor fi folosi la confecția elementele principale ale tabloului, se vor prezenta certificatele de calitate de la furnizorii de oțel, unde vor rezulta parametrii chimici și mecanici conform oțelului Q52 EP.

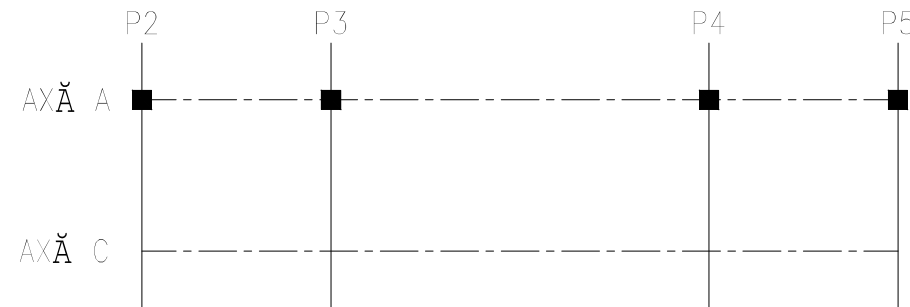
PROFIL LONGITUDINALĂ – GRINDĂ "A" – 1:200



LAGĂRELE PLACĂ – 1:20



POZIȚIA		PLACĂ DIMENSIUNE (mm)						portate
		a	b	c1	c2	d1	d2	
A/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)  $f_{yk} > 355 \text{ N/mm}^2$   
Jgindiler, placi si alte nu suduri S355J2W+N (echivalent Q1.52 EP)  $f_{yk} > 355 \text{ N/mm}^2$

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

Grosime suduri:  $\frac{L}{4}$  - vezi tabelele. Altele L > 0,5 t (t=grosime flanse)

SURUBURI

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

Flutire categoria B2 (EN 14398-4 HV-K1)

Serie din sud (EN 14398-4 HV-K1)

Pre-tensionare: M16 Ns = 110 KN

Pre-tensionare: M24 Ns = 247 KN

Pre-tensionare: M27 Ns = 321 KN

IMBOLCURI

SURUBURI M16 SURUBURI M20 SURUBURI M24 SURUBURI M27 CONECTORI e 22  
(mm) diametre pentru asamblările: flutate:  
gaura e la 27 mm ±2 mm  
gaura e peste 27 mm +3 mm

CONECTORI

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

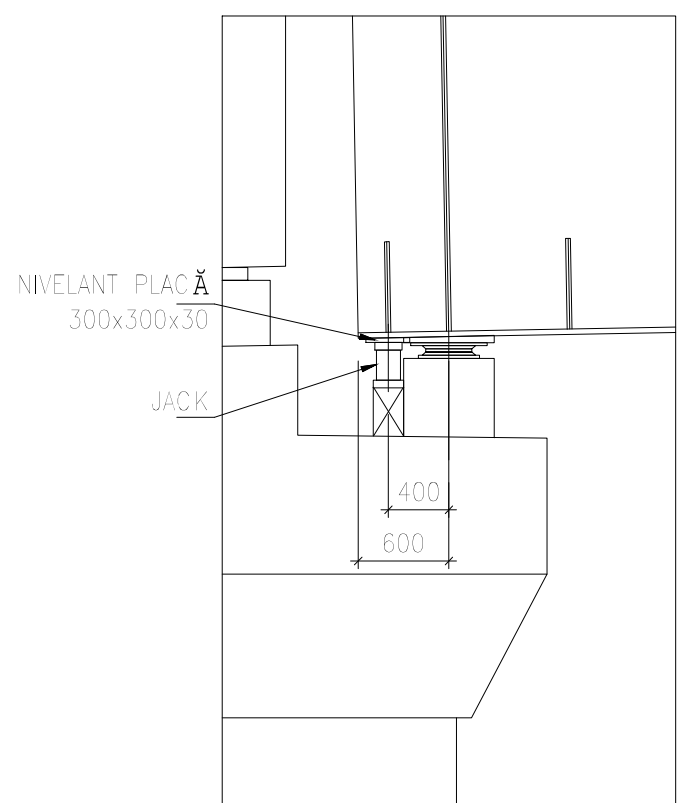
Oțel EN10025 EN10024 S235 J2 Q3 + C450

$f_{yk} > 355 \text{ N/mm}^2$

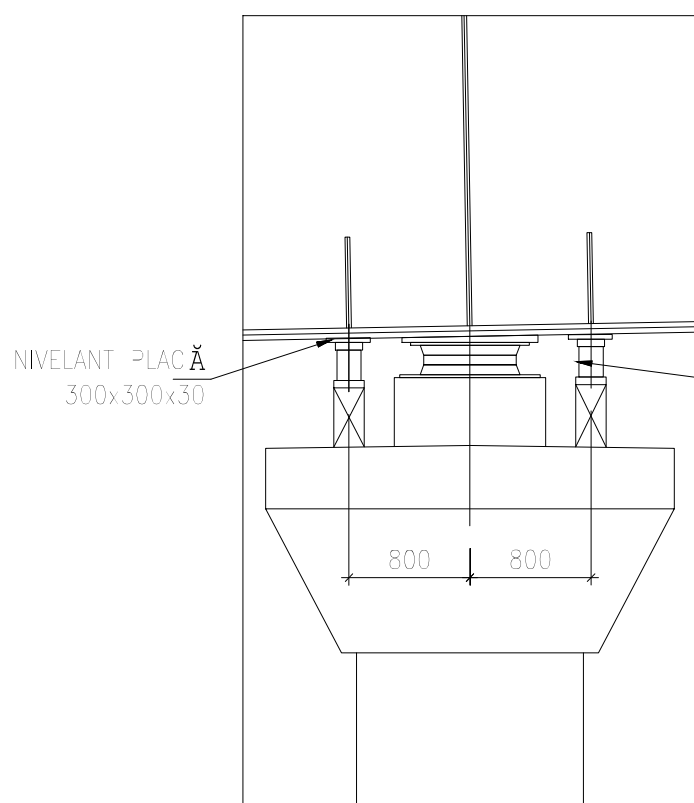
$f_{yk} > 450 \text{ N/mm}^2$

Elongatie > 15%

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



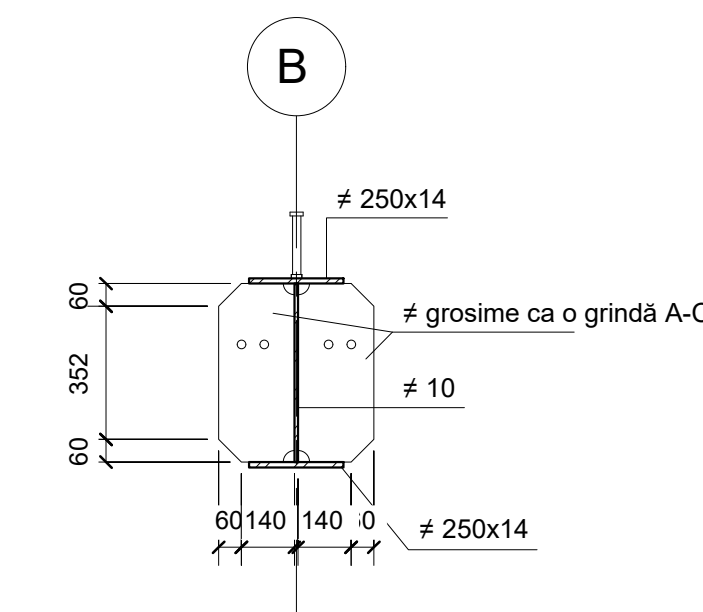
POZIȚIA DE JACKS  
PILON P2/P3 (TIPOLOGIC) – 1:50



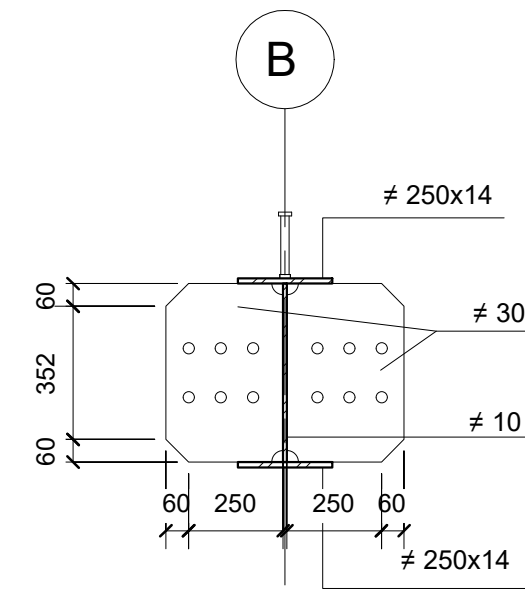
PIESE

PIESE TIPIU	C.1	C.2	C.3	C.4	C.5	C.6	C.7	C.8
GRINDĂ TIPIU	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

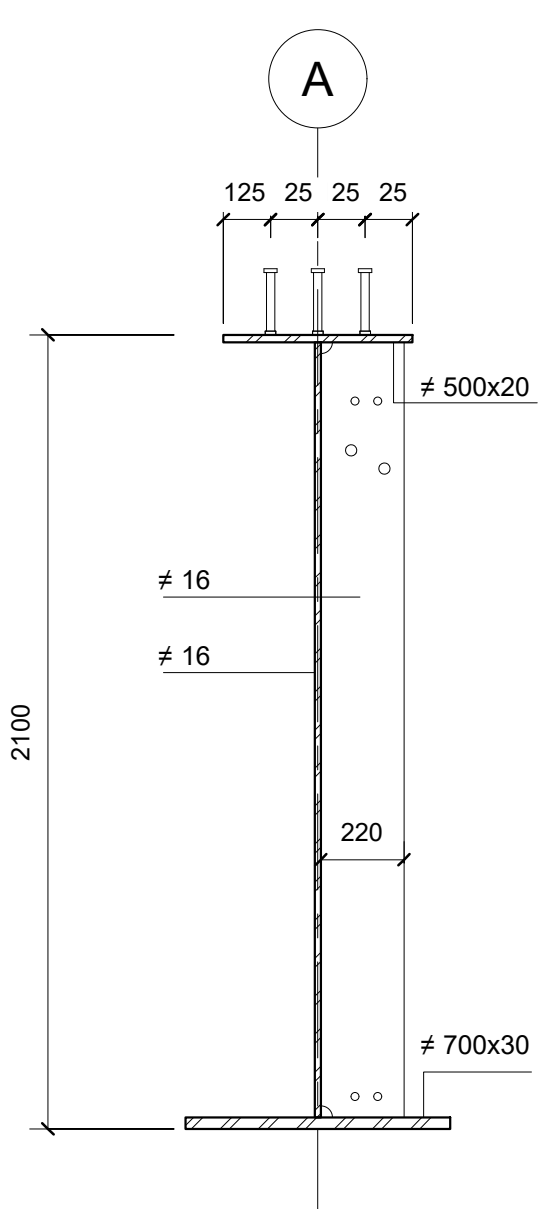
12 TIPIC SECUNDAR GRINDĂ  
1:20



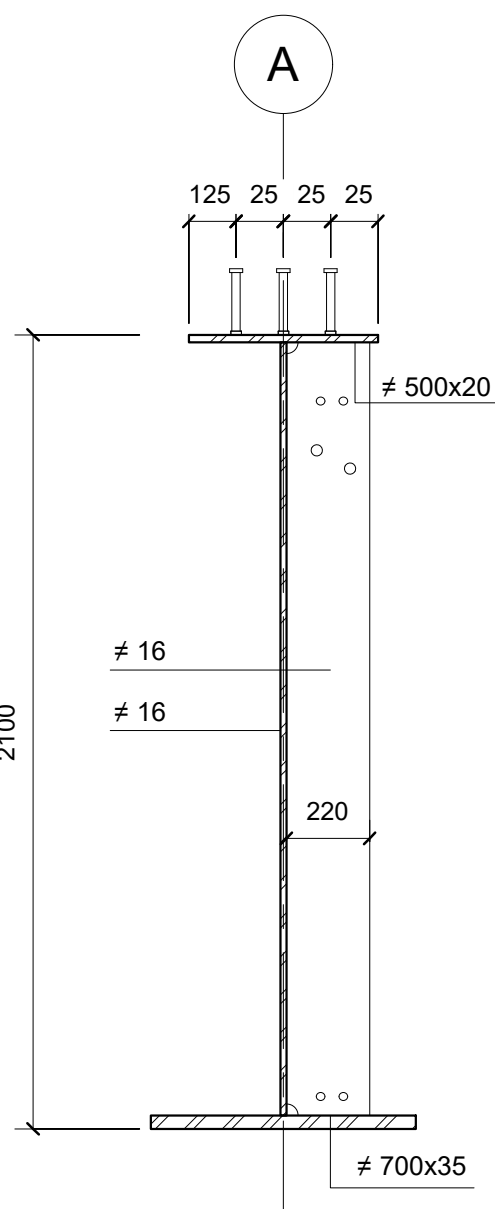
13 SECUNDAR GRINDĂ (PILON)  
1:20



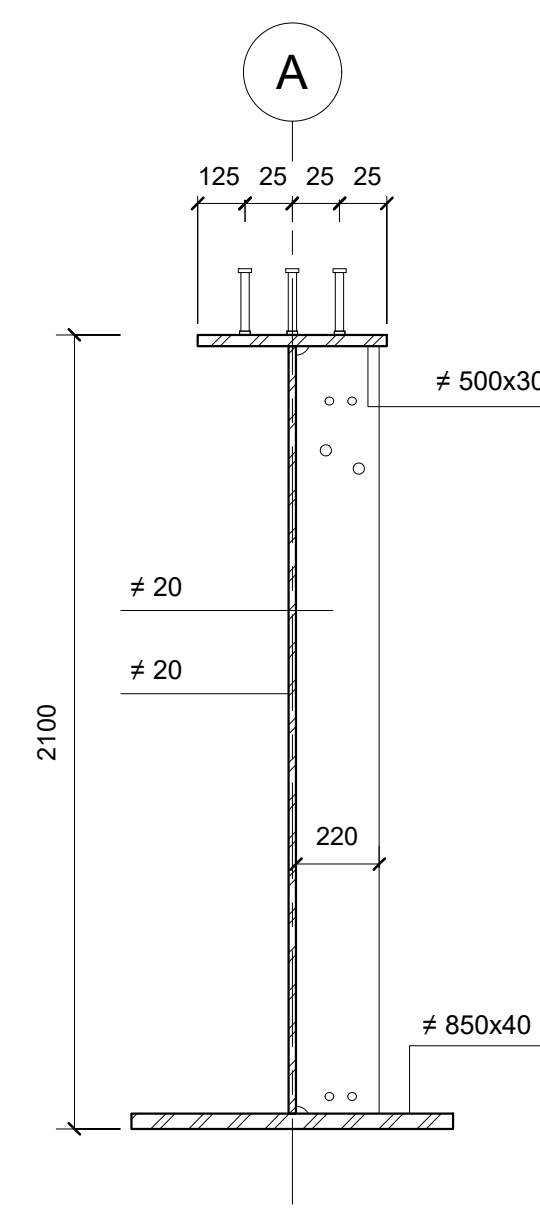
2 GRINDĂ "T1"  
1:20



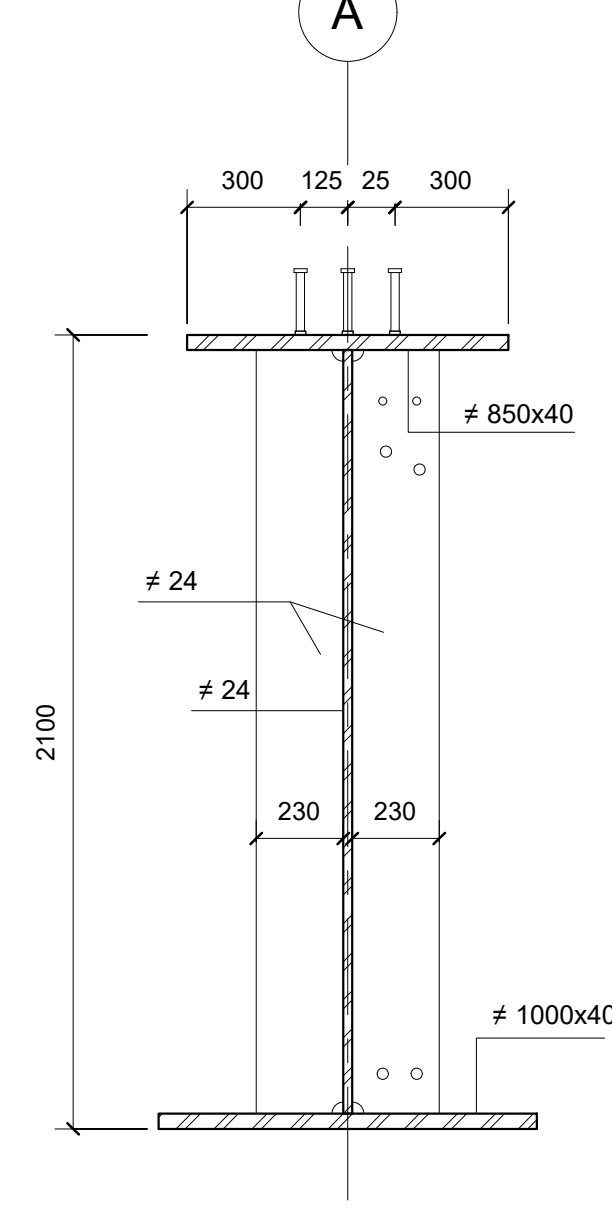
3 GRINDĂ "T2"  
1:20



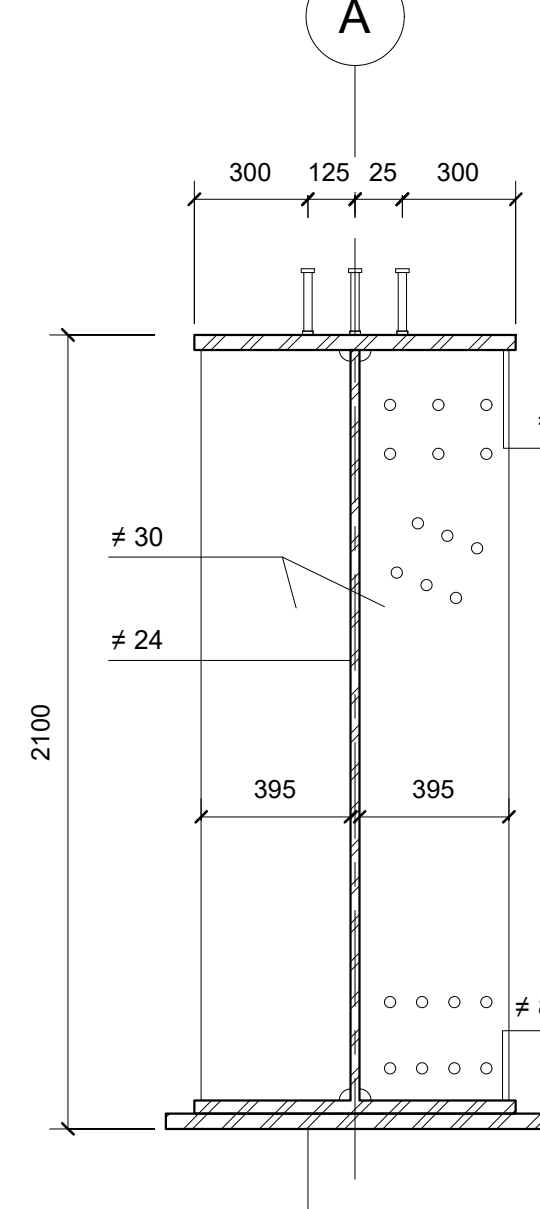
4 GRINDĂ "T3"  
1:20



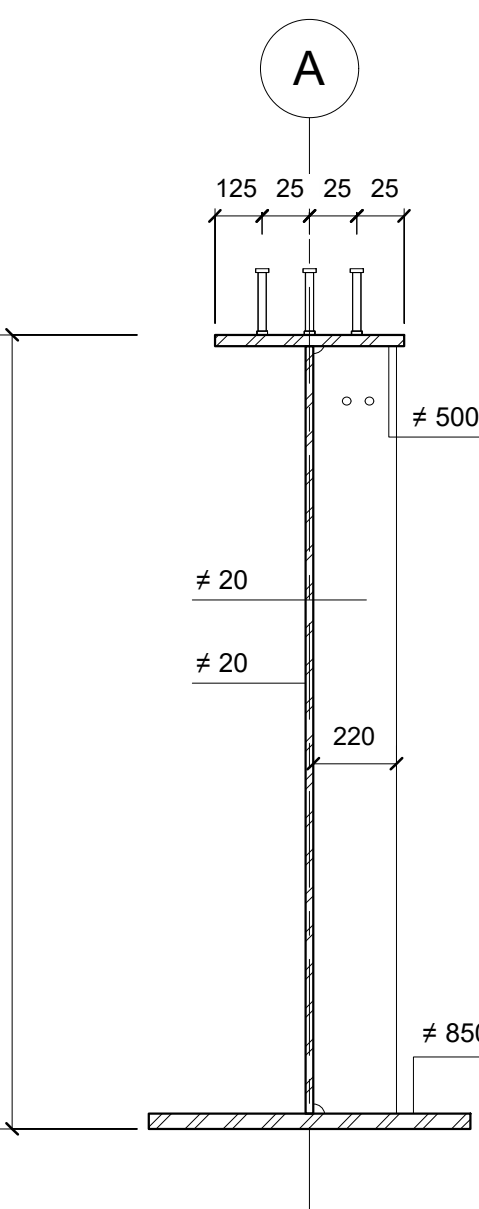
5 GRINDĂ "T4"  
1:20



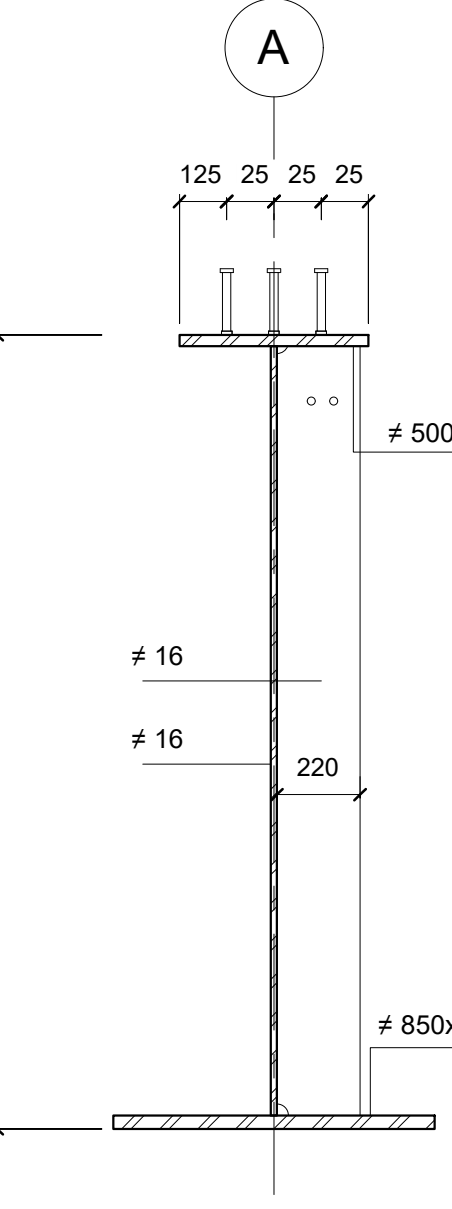
6 GRINDĂ "T5"  
1:20



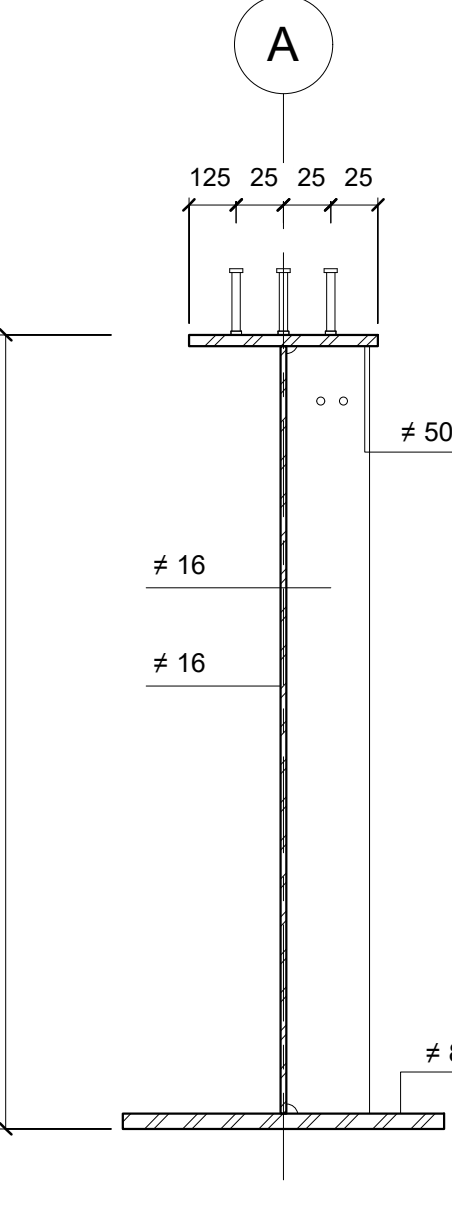
7 GRINDĂ "T6"  
1:20



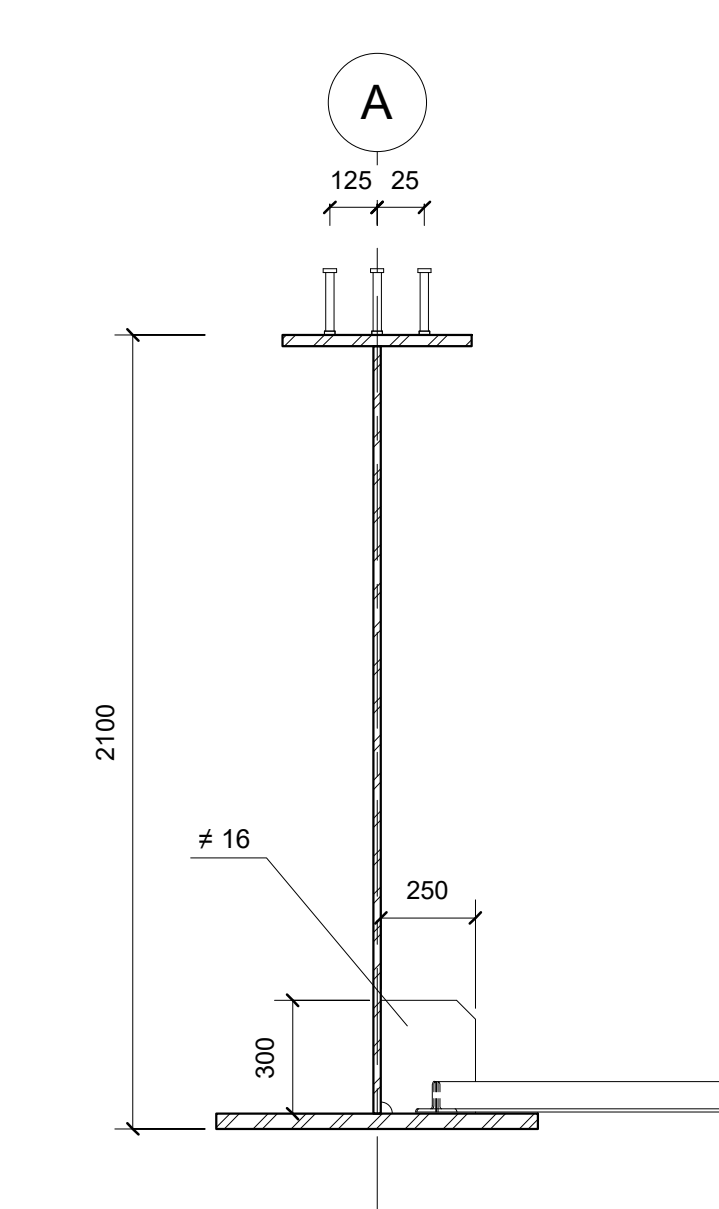
8 GRINDĂ "T7"  
1:20



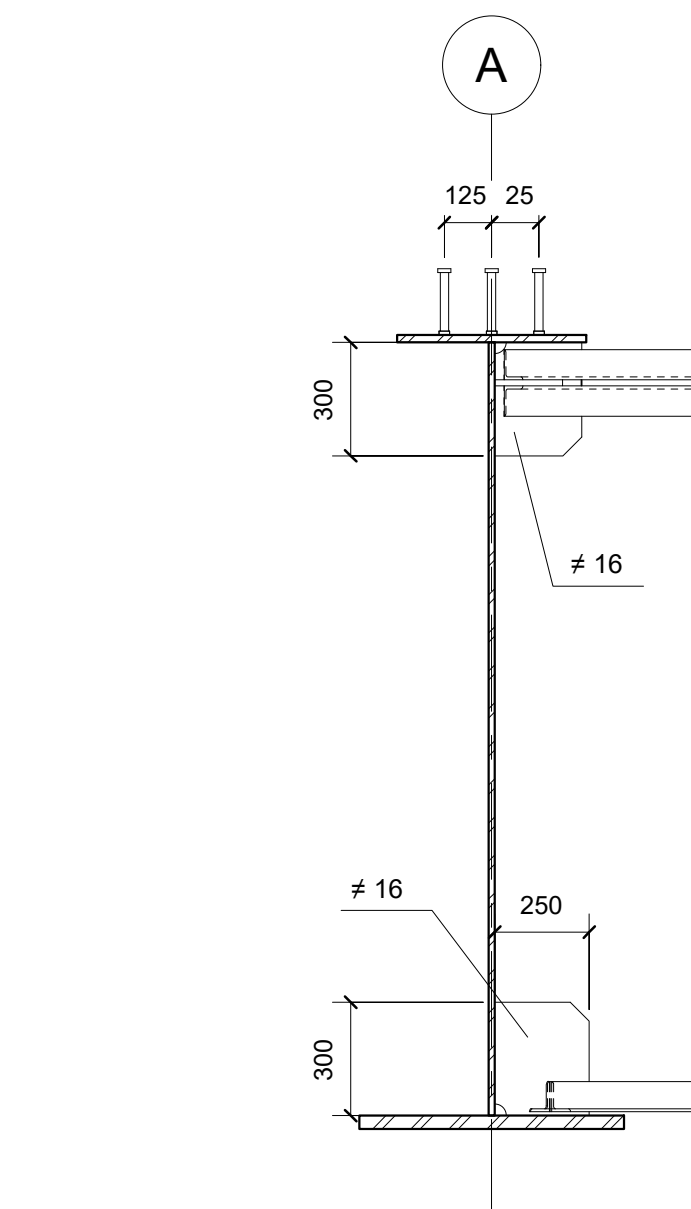
9 GRINDĂ "T8"  
1:20



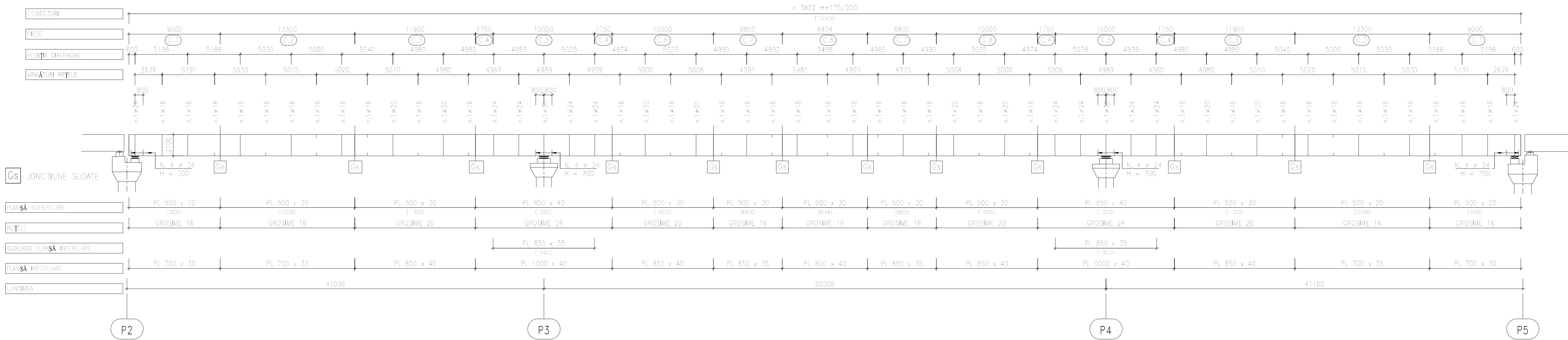
10 GRINDĂ BRIDĂ INFERIOARĂ  
1:20



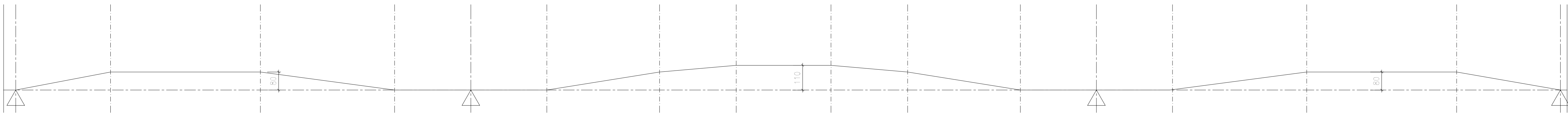
11 GRINDĂ BRIDĂ INFERIOARĂ - SUPERIOARĂ  
1:20



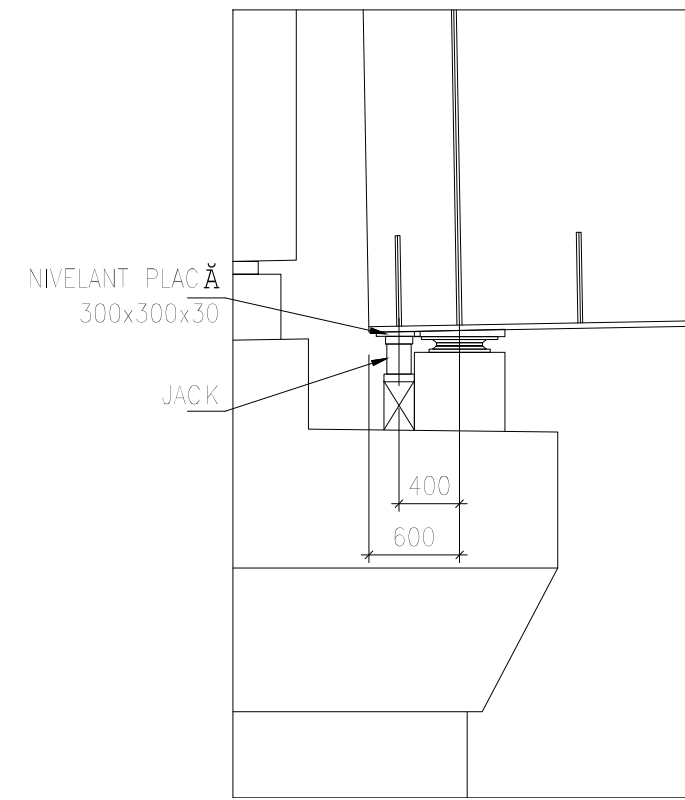
PROFIL LONGITUDINALĂ - GRINDĂ "C" - 1:200



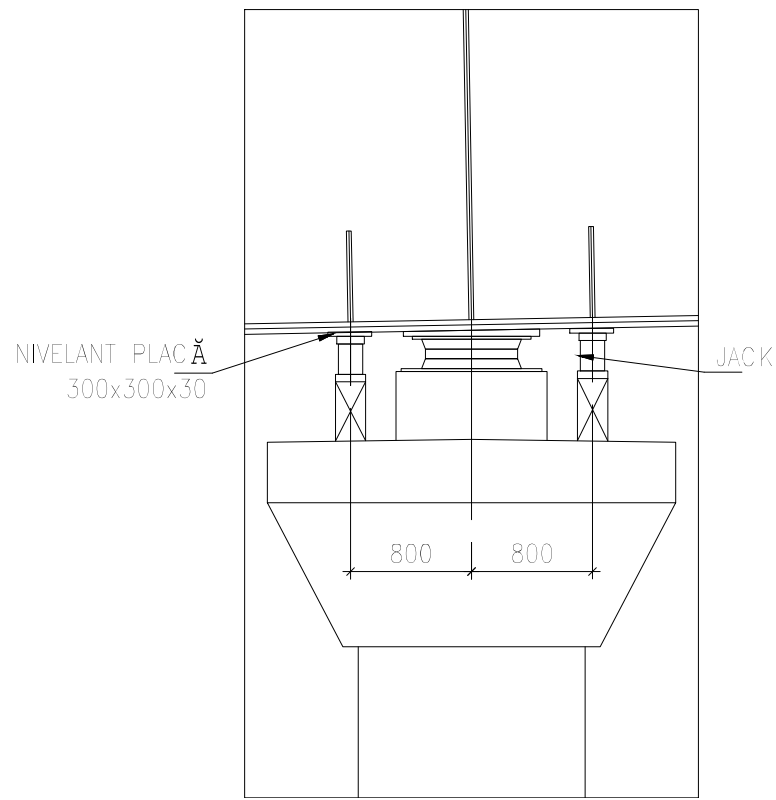
DEPLASARE POD COMPOZIT



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



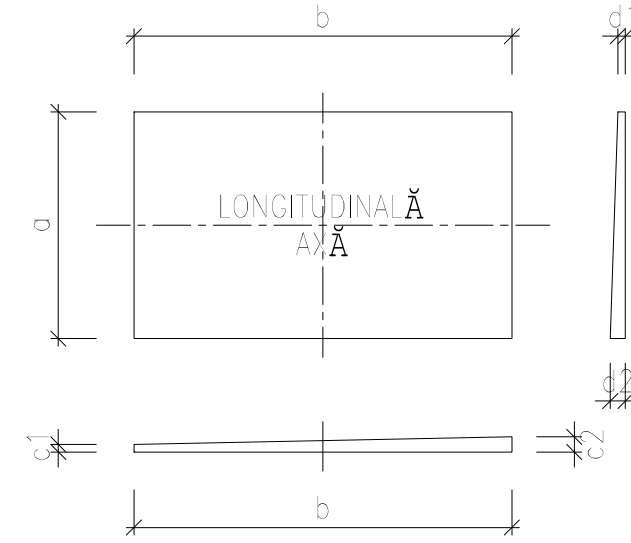
POZIȚIA DE JACKS  
PILON P2/P3 (TIPOLOGIC) - 1:50



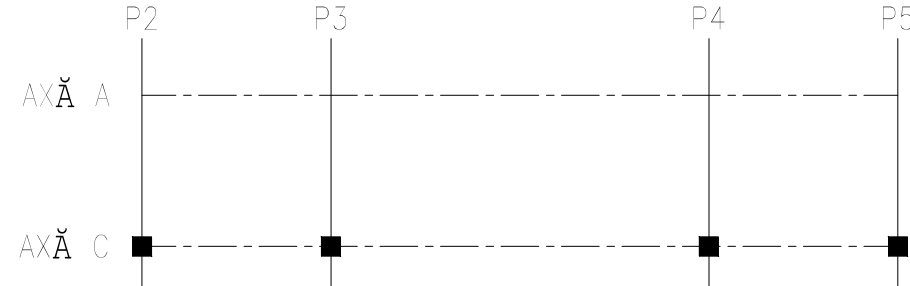
PIESE

PIESE TIPOLOGIC	C.1	C.2	C.3	C.4	C.5	C.6	C.7	C.8
GRINDĂ TIPOLOGIC	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
REȚEA	16	16	20	24	24	20	16	16
PLACĂ INFERIOARĂ	700x30	850x40	850x40	1000x40	1000x40 + 850x45	850x40	850x35	850x40
PARTEA DE SUDURĂ	X	8x8	8x8	8x8	11x11	8x8	8x8	8x8
	Y	8x8	8x8	8x8	11x11	10x10	10x10	10x10

LAȚĂRELE PLACĂ - 1:20



POZIȚIA A/C	PLACĂ DIMENSIUNE (mm)				poziție	
	a	b	c1	c2	d1	d2
P2	550	600	30	35	22	35
P3	850	900	35	35	15	35
P4	850	900	35	35	15	35
P5	550	600	30	35	22	35



Pentru fiecare lot de oțel S355J2W+N care vor fi folosit la confecția elementele principale ale tableiului, se vor prezenta certificatul de calitate de la furnizorii de oțel, unde vor rezulta parametrii chimici și mecanici conform oțelului S355 EP

MATERIALE - RETETE

Structura din oțel EN 10025-5

Grosime elemente sudate ≤ 40 mm S355J2W+N (echivalent OL 52 EP) f<sub>yk</sub> > 355 N/mm<sup>2</sup>

Jghebur, plăci și alte nu sudat S355J2W+N (echivalent OL 52 EP) f<sub>yk</sub> > 355 N/mm<sup>2</sup>

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

Grosime sudură: 4 - vezi tabelele, Alfel L > 0,5 l (în grosime (bazele))

SURUBURI

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

Plăcuță categoria 80 (EN 14399-4 HV=K1)

Sabla din oțel (EN 14399-6 HV=K1)

Tensiune: M16 Ns = 110 kN

Tensiune: M24 Ns = 247 kN

Tensiune: M27 Ns = 321 kN

SOLUȚII

SURUBURI M16 SURUBURI M20 SURUBURI M24 SURUBURI M27 CONECTORI Ø 22

Foraj: diametre pentru asamblările filetate:

gaura Ø la 27 mm +2 mm

gaura Ø peste 27 mm +3 mm

CONECTORI

Conectori de tip "bolson" Ø 22 mm (7/8") h = 175 mm

Oțel EN10025 EN10024 S235 J2 C3 + C450

f<sub>yk</sub> > 350 N/mm<sup>2</sup>

f<sub>tk</sub> > 450 N/mm<sup>2</sup>

Δlongitudinal > 15%

TIPIC SECUNDAR GRINDĂ

1:20

SECUNDAR GRINDĂ (PILON)

1:20

GRINDĂ "T1"

1:20

GRINDĂ "T2"

1:20

GRINDĂ "T3"

1:20

GRINDĂ "T4"

1:20

GRINDĂ "T5"

1:20

GRINDĂ "T6"

1:20

GRINDĂ "T7"

1:20

GRINDĂ "T8"

1:20

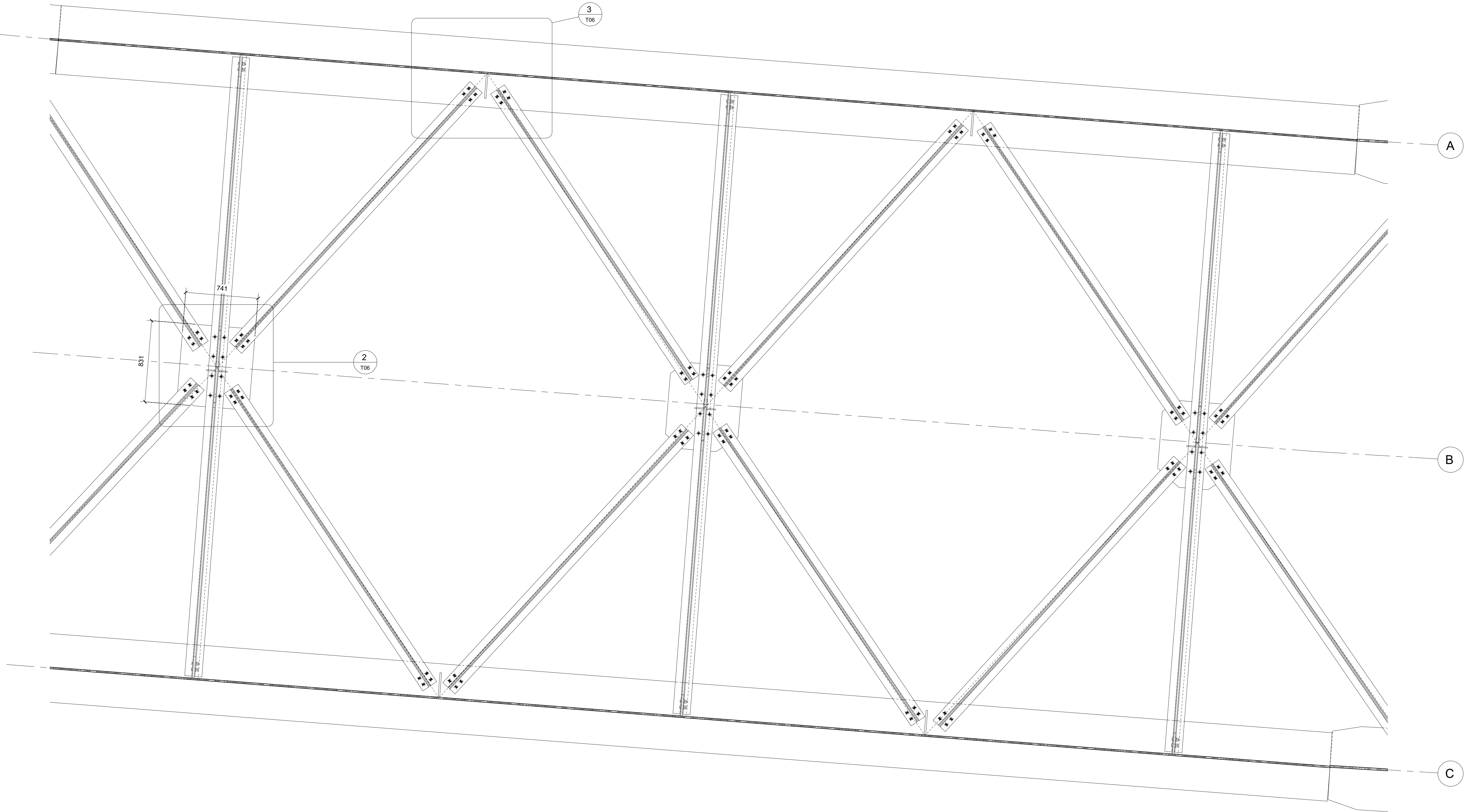
GRINDĂ BRIDĂ INFERIOARĂ

1:20

GRINDĂ BRIDĂ INFERIOARĂ - SUPERIOARĂ

1:20





WATERBALE – RETETE

Structura din oțel EN 10025-5

Grosime elemente sudate ≤ 40 mm S355J2W+N (echivalent OL 52 EP) fyk > 355 N/mm<sup>2</sup>  
Jughiuier, plăci și alte nu sudate S355J2W+N (echivalent OL 52 EP) fyk > 355 N/mm<sup>2</sup>

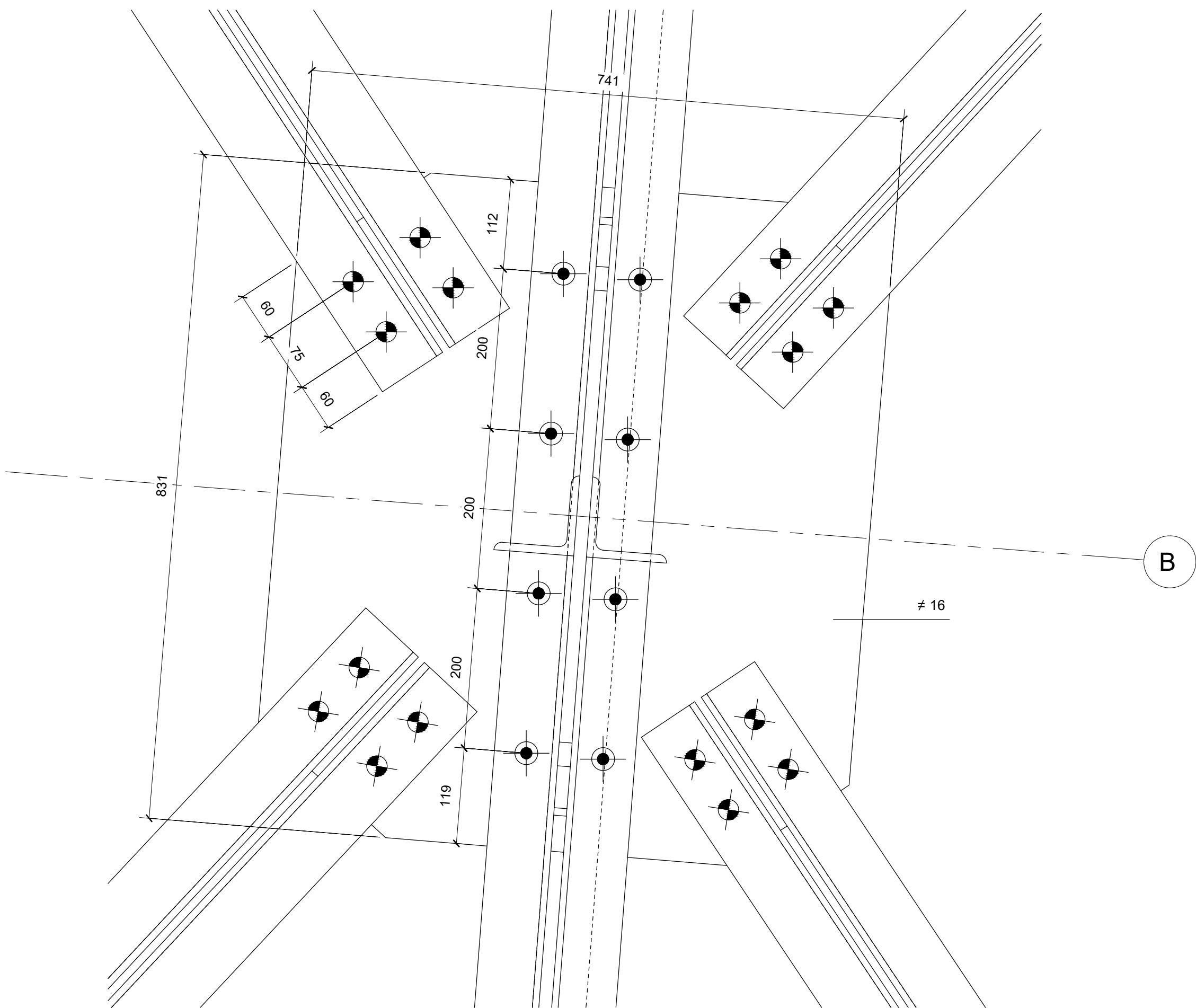
SUDARE în conformitate cu prevederile – EN 1993-1-8  
Grosime suduri  $\geq \frac{1}{4}$  vezi tabelele Afila L > 0,5 t (în grosime țesei)

SURUBURI  
Surub categoria 10.9 (EN 14399-4 HJ=K1)  
Plăcu categoria B5 (EN 14399-4 HJ=K1)  
Săba din oțel (EN 14399-6 HJ=K1)  
Pretensiune: M16 Na = 110 kN  
Pretensiune: M24 Na = 247 kN  
Pretensiune: M27 Na = 321 kN

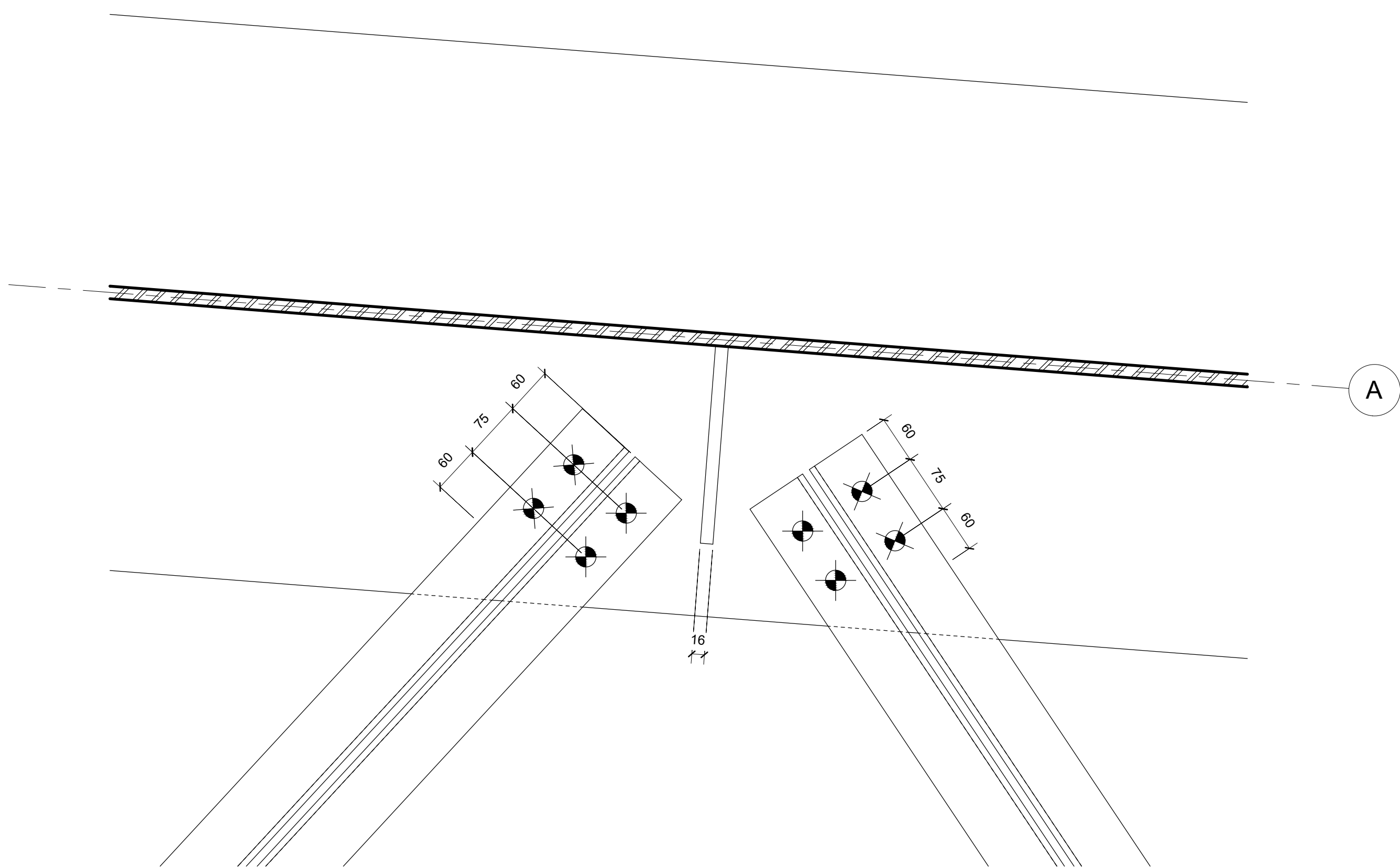
SMOLUCII  
SURUBURI M16 SURUBURI M20 SURUBURI M24 SURUBURI M27 CONECTORI Ø 22  
Foraj diametre pentru asamblările filetate:  
gaura Ø la 27 mm +2 mm  
gaura Ø peste 27 mm +3 mm

CONECTORI  
Conectori de tip "Nelson" Ø 22 mm (7/8") h = 175 mm  
Oțel EN10025-5 EN10024-5 S235 J2 G3 + G450  
fyk > 350 N/mm<sup>2</sup>  
Rtx > 450 N/mm<sup>2</sup>  
Îngroșate > 15%

1 ANCORAJ INFERIOR ORIZONTAL  
1 : 20



2 DETALIU "A"  
1 : 5



3 DETALIU "B"  
1 : 5

INVESTITOR  
CORPORAȚIONA LIGHEIREA  
ADMINISTRAȚIE PUBLICĂ

PROIECTANT GENERAL  
D.P. CONSULT S.A.

IMPLANTAT

DESCRIERE PROIECT  
PROIECTARE ȘI EXECUȚIE  
"VARIANTA DE OCULIRE  
TIMIȘOARA SUD"  
ELABORARE PROIECT TEHNIC  
REST DE EXECUTAT

NUMAR CONTRACT: 00000002 2023  
NUMAR PROIECT: 556

FAZA PROIECT  
PROIECT TEHNIC  
REST DE EXECUTAT

Data: 03.2023

VERIFICATOR TEHNIC

Manager de Proiect  
Ing. Silvan Moldovan

Șef Echipă Proiectare  
Ing. Raul Cotic

Inginer Proiectant Poduri  
Ing. Adina Takacs

Inginer Proiectant  
Ing. Teodor Sabadaș

REVIZII		
NR	REV	DATA

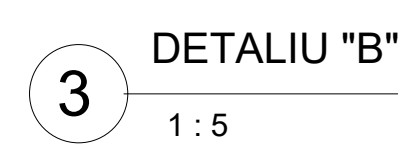
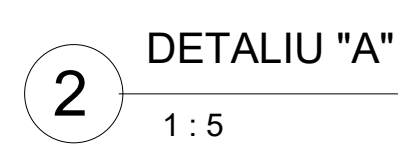
DESCRIERE PLANȘA  
PASAJ AM 1+08 PEȘTE DR 132  
TIMIȘOARA VEST-CALUCENI  
ANCORAJ INFERIOR  
ORIZONTAL

Scara: 1/5, 1/20

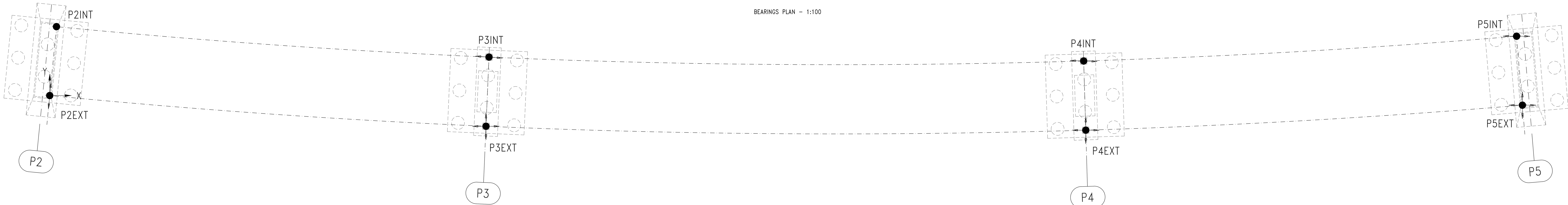
NUMAR PLANȘA  
10036-VOTM-STR02-SM-06



1 ANCORAJ SUPERIOR ORIZONTAL







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	-0.10%	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	StepType	Δ L long +/-	Δ L trans +/-	
Text	Text	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)

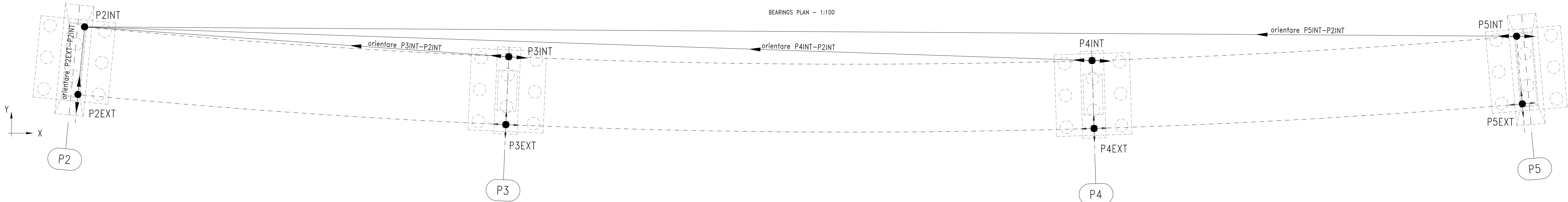
C35/45 - Trotuar  
Conform NE 012-1:2007 / SR EN 206-1  
Clasa de expunere: XC4+XF4+XD1 (RO)  
Agregate: Dmax20  
Clasa de cloruri: Cl 0,2  
Clasa de consistenta: clasa de tasare S4  
Acoperirea cu beton: 40 mm  
Otel (armare de beton): S500 (BST500C)

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 OCULINE 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 Sabadits	REVISOR			DENUMIRE PLANSA PASAJ RAT 1+588 REST DE 132 TIMISOARA VEST-CRUCENI BEARINGS
						NR.	REV.	DATA	
			NUMAR CONTRACT: 55036058.02.2023 NUMAR PROIECT: 596	Data : 03.2023 VERIFICATOR TEHNIC					Scale: 1:100 NUMAR PLANSA: 10036-VOTM-ST002-SM-





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	4	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

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	-2456	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

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	0.02%	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	0.04%	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	0.01%	ok	0.17%	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	-0.14%	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	0.04%	ok
P4INT	SLS (G)	Min	-0.03%	ok	-0.01%	ok
P4EXT	SLS (G)	Min	0.05%	ok	-0.02%	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	0.06%	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

bearings	LinkElem	OutputCase	Δ L long +/-	Δ L trans +/-
Text	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	0.13
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

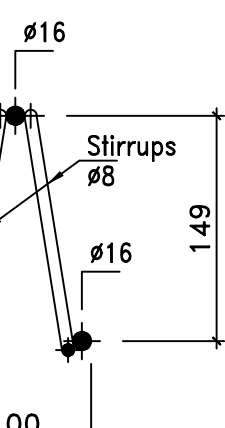
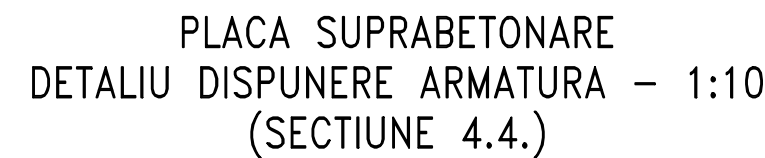
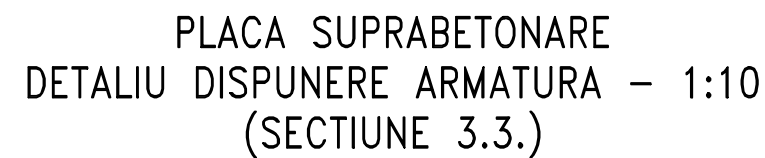
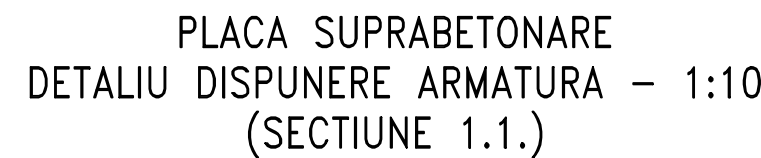


INVESTITOR		PROIECTANT GENERAL		AMPLASAMENT		PROIECTARE SI EXECUTIE		FAZA PROIECT		Manager de Proiect		REVIZII		DENUMIRE PLANSA	
						PROIECTARE SI EXECUTIE VARIANTA DE OCULIRE TIMISOARA SUD*		PROIECT TEHNIC REST DE EXECUTAT		Ing. Silvan Moldovan		NR. REV.		PASAJUL VEST-EST DE	
CORPORATIILE DE INGINERIE		D.P. CONSULT S.A.				ELABORARE PROIECT TEHNIC REST DE EXECUTAT		Data : 03.2023		Ing. Raul Cools		DATA		TIMISOARA VEST-CRUCENI	
AMPLASAMENTUL TERENULUI						NUMAR CONTRACT: 58036/09.02.2023		VERIFICATOR TEHNIC		Ing. Raul Cools		SEMA		Aparate de reazam	
						NUMAR PROIECT : 506				Ing. Andrei Tamas				Scara :	
										Ing. Teodor Sabada				NUMAR PLANSA	
														10036-VOTM-STROS-SM-08	









### ARMARE PLACA SUPRABETONARE

### ARMARE PLACA SUPRABETONAR

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

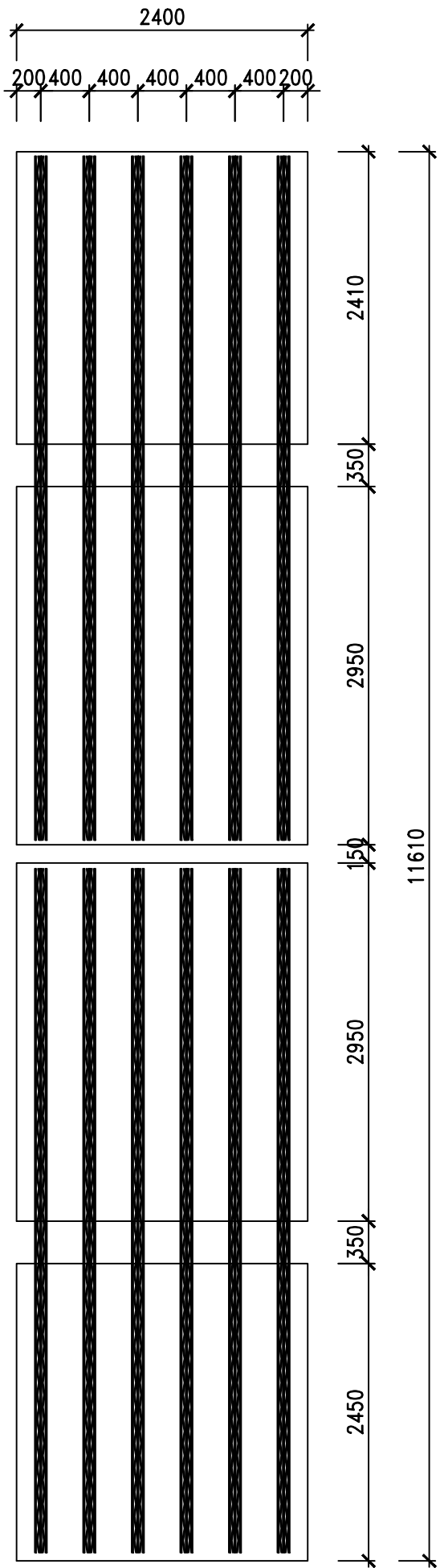
C35/45 – Placa de suprabetonare

C35/45 – Trotuar

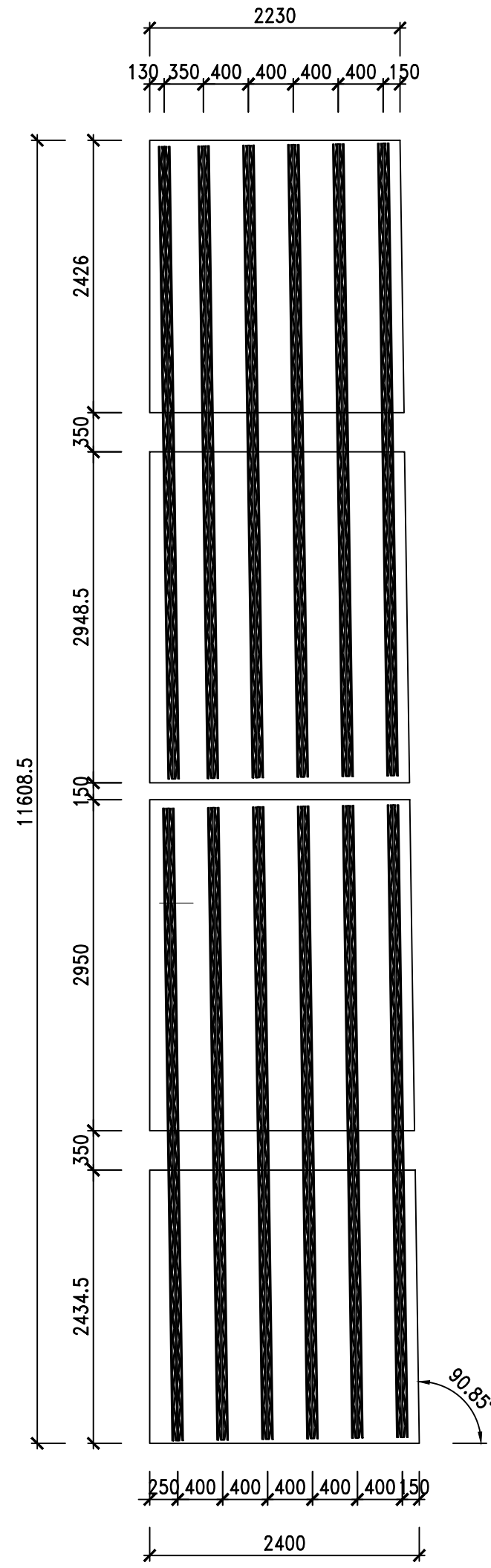
C35/45 – Dale prefabricate



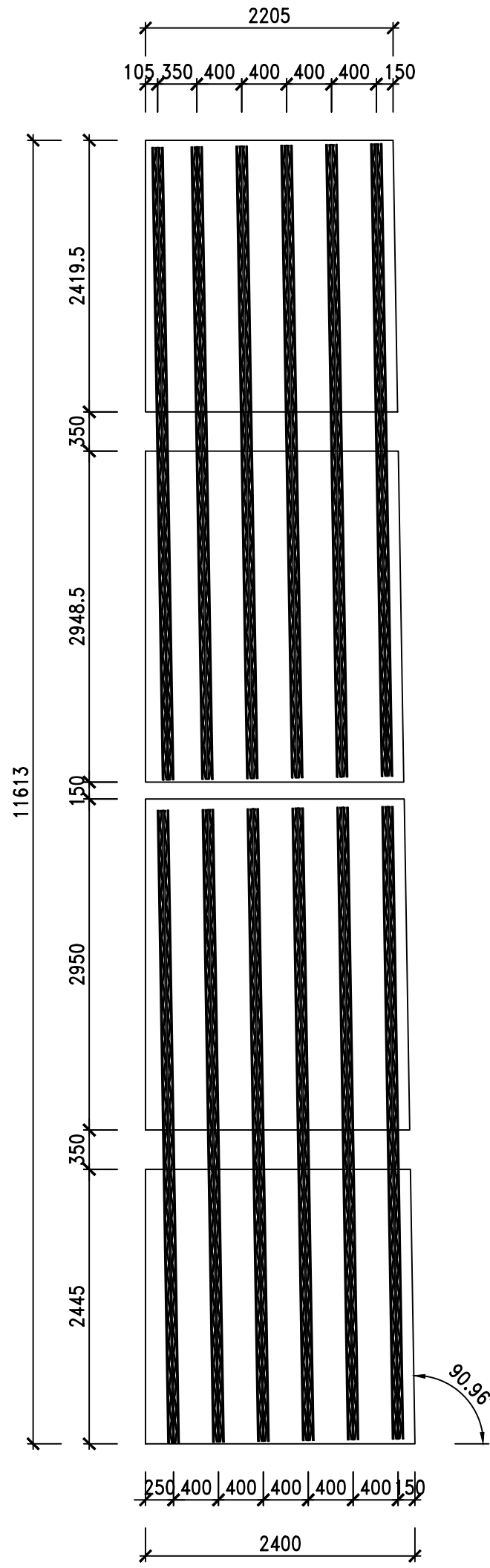
PREDALE TIP  
P1-P2-P3-P5-P6-P7-P8 - 1:50



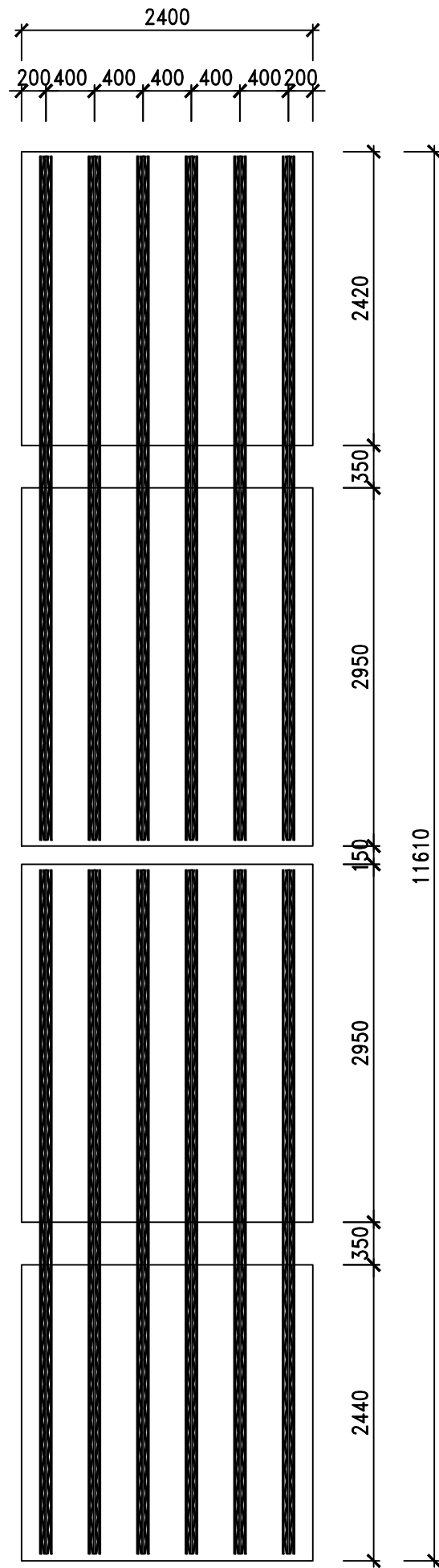
PREDALE TIP  
P4 - 1:50



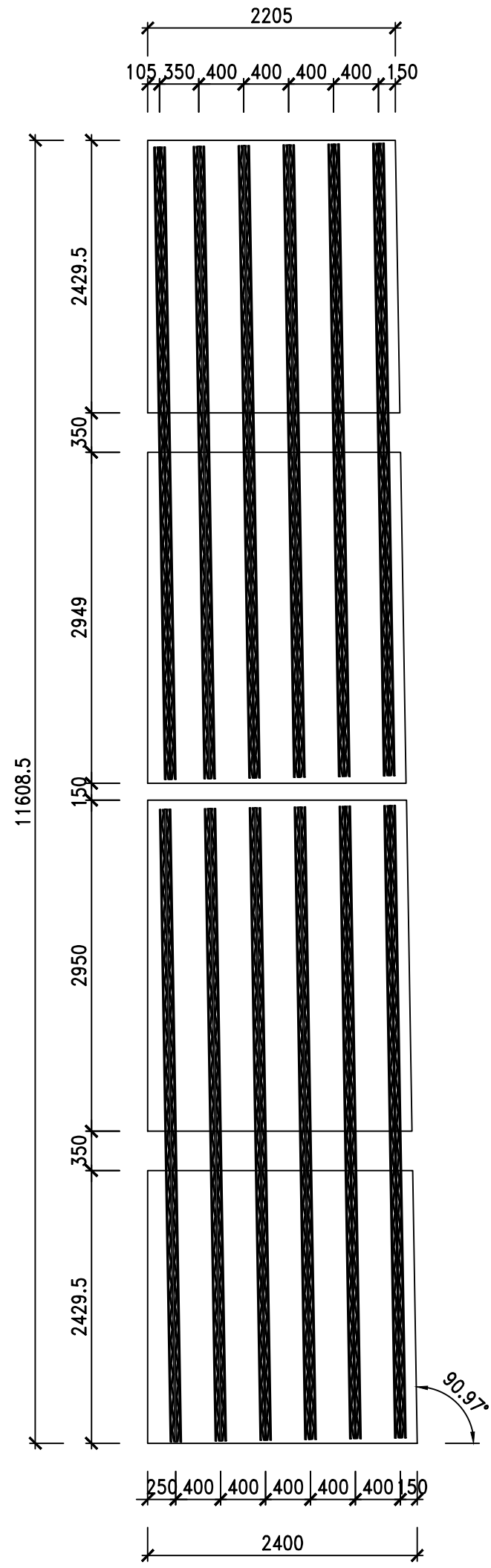
PREDALE TIP  
P9 - 1:50



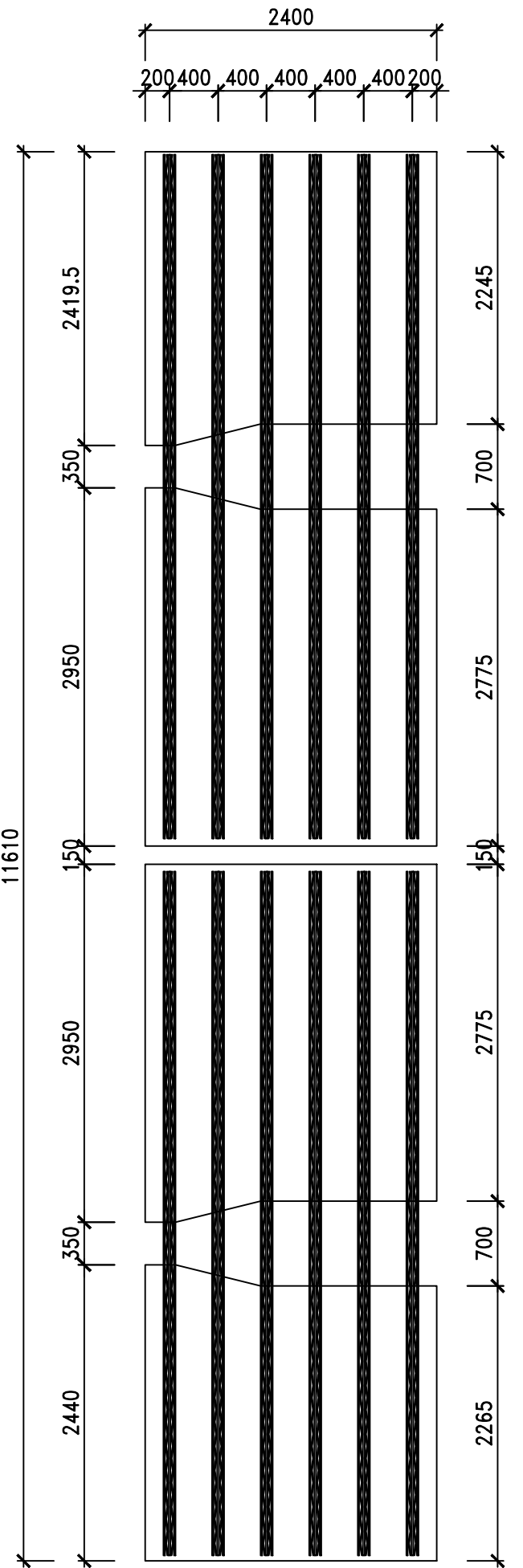
PREDALE TIP  
P10-P11-P12-P13 - 1:50



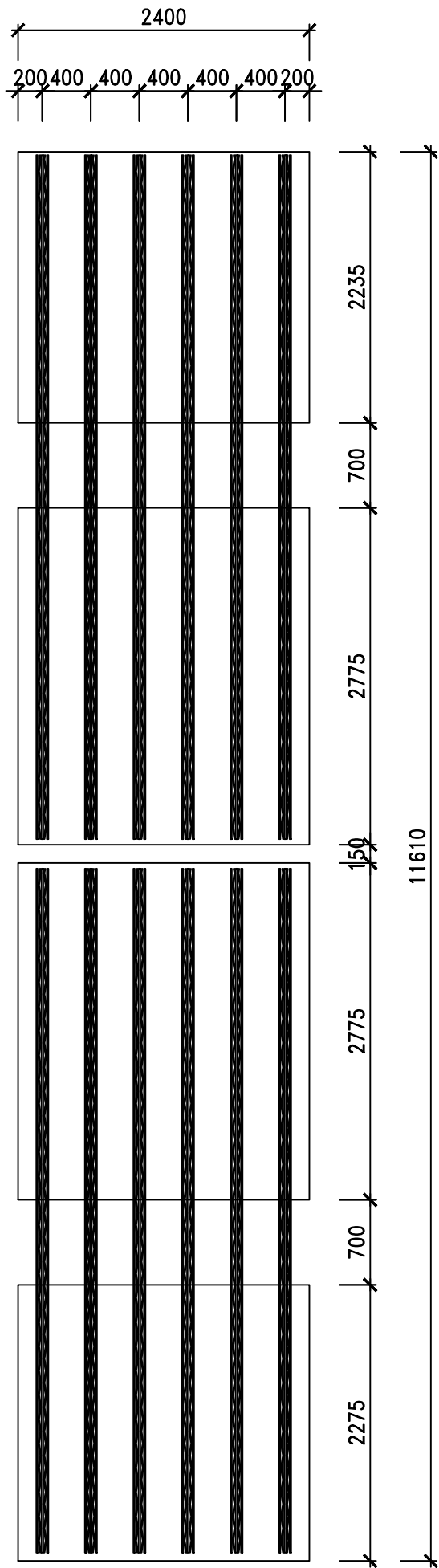
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P14 - 1:50



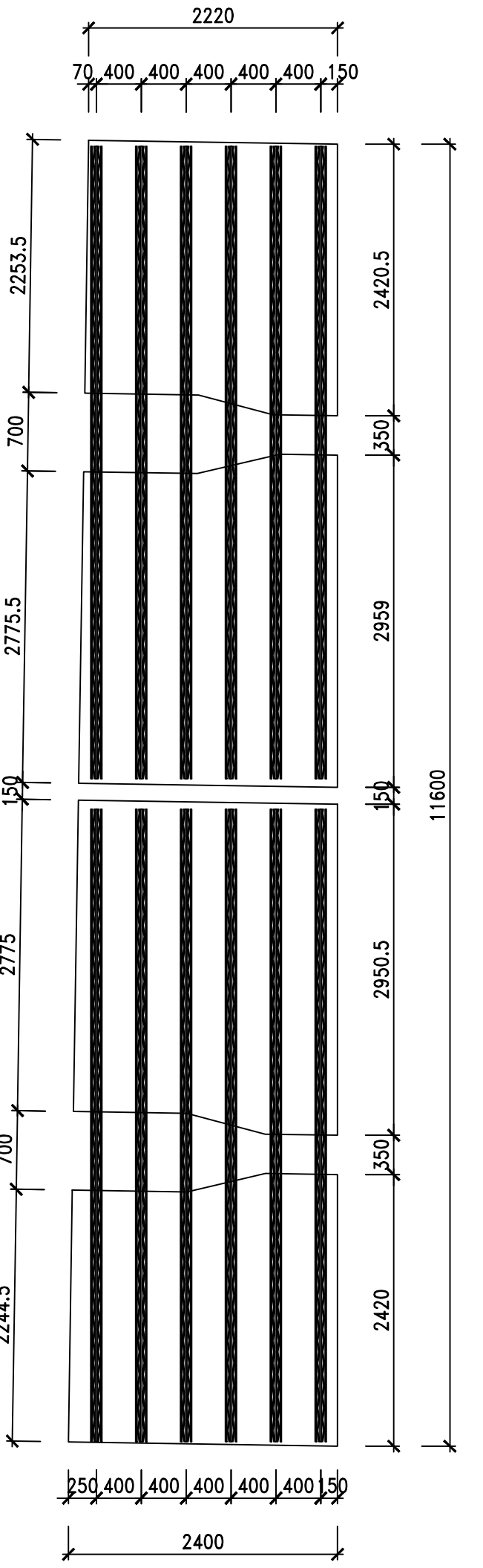
PREDALE TIP  
P15 - 1:50



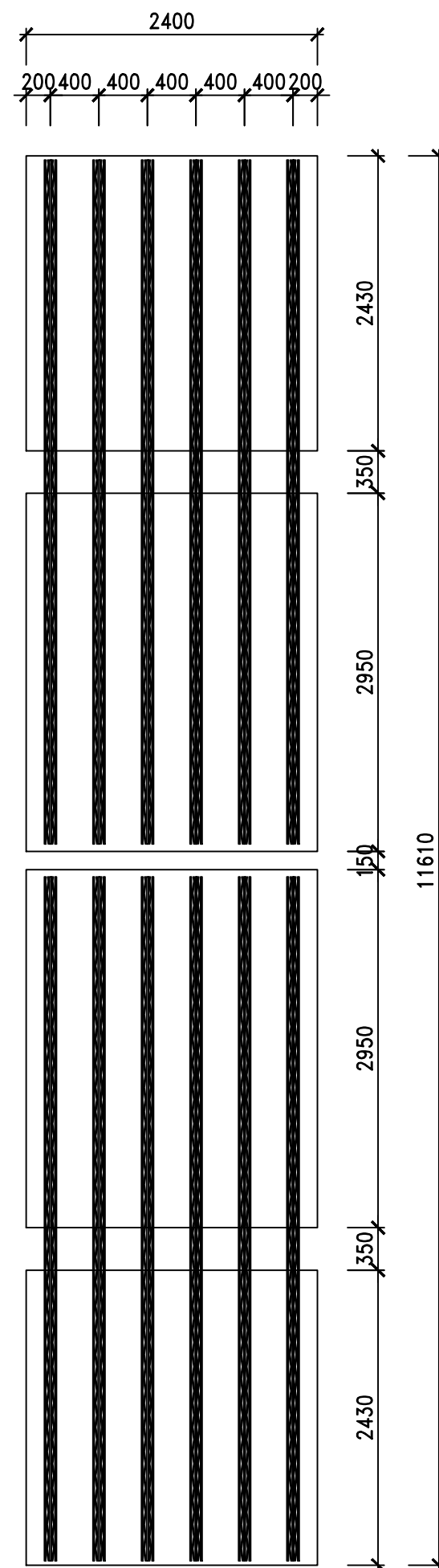
PREDALE TIP  
P16-P17-P18-P19-P39  
P40-P41-P42 - 1:50



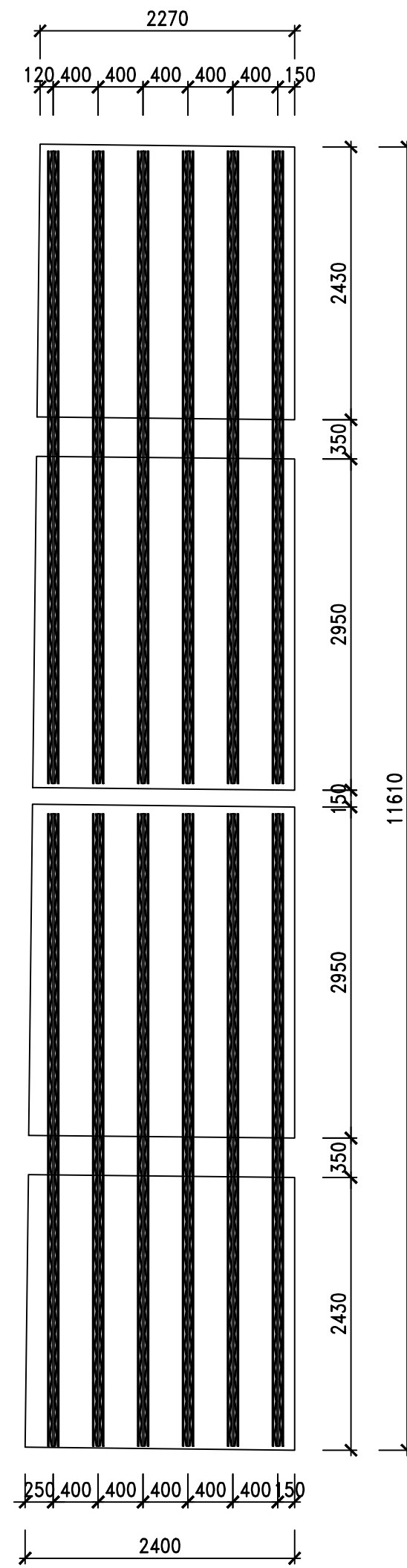
PREDALE TIP  
P20 - 1:50



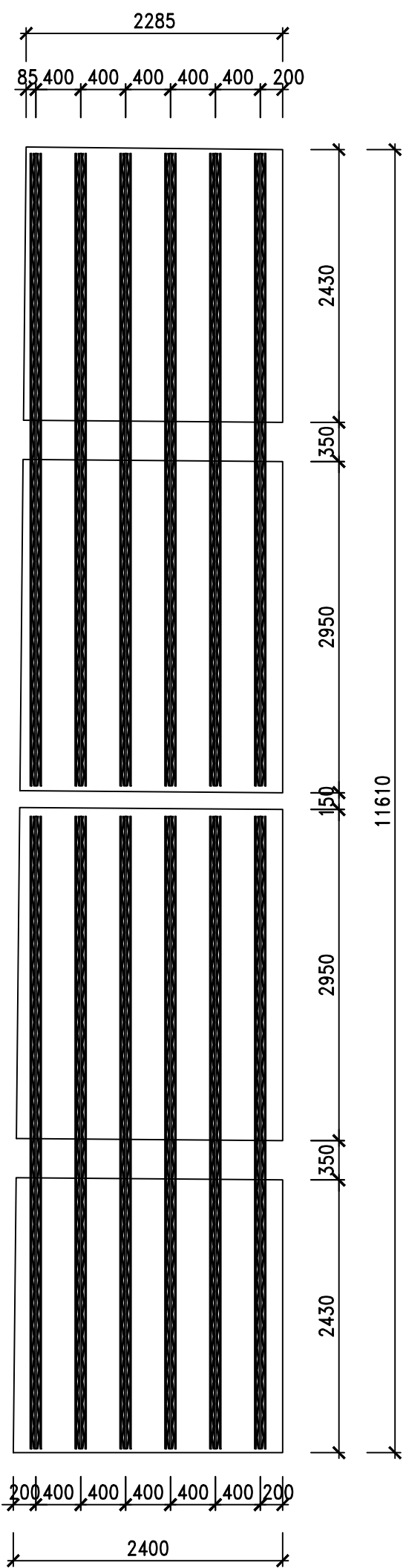
PREDALE TIP  
P21-P22-P23-P25-P26-P28  
P29-P30-P32-P33 - 1:50



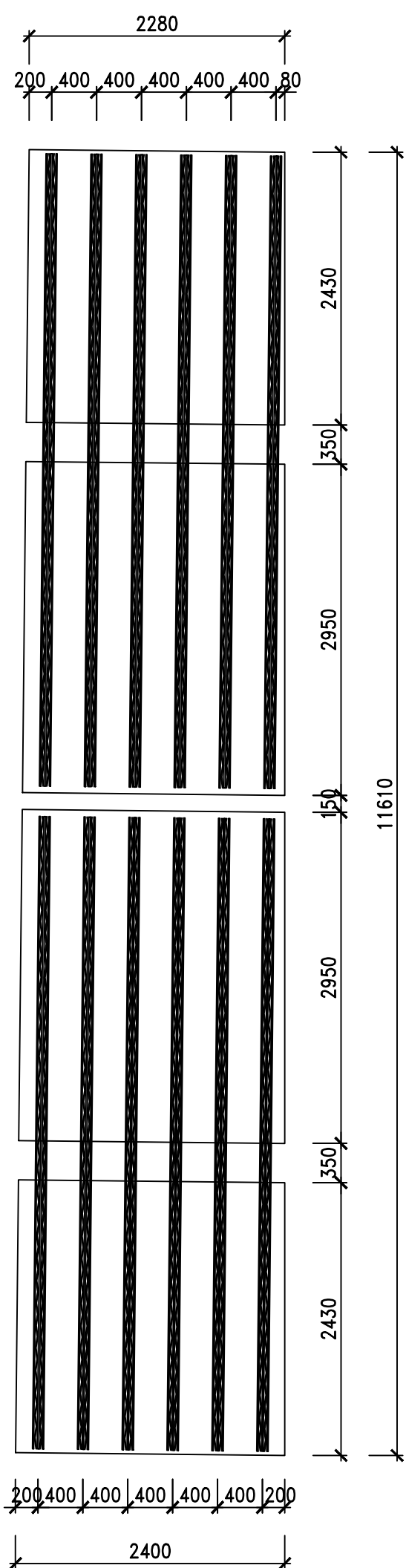
PREDALE TIP  
P24 - 1:50



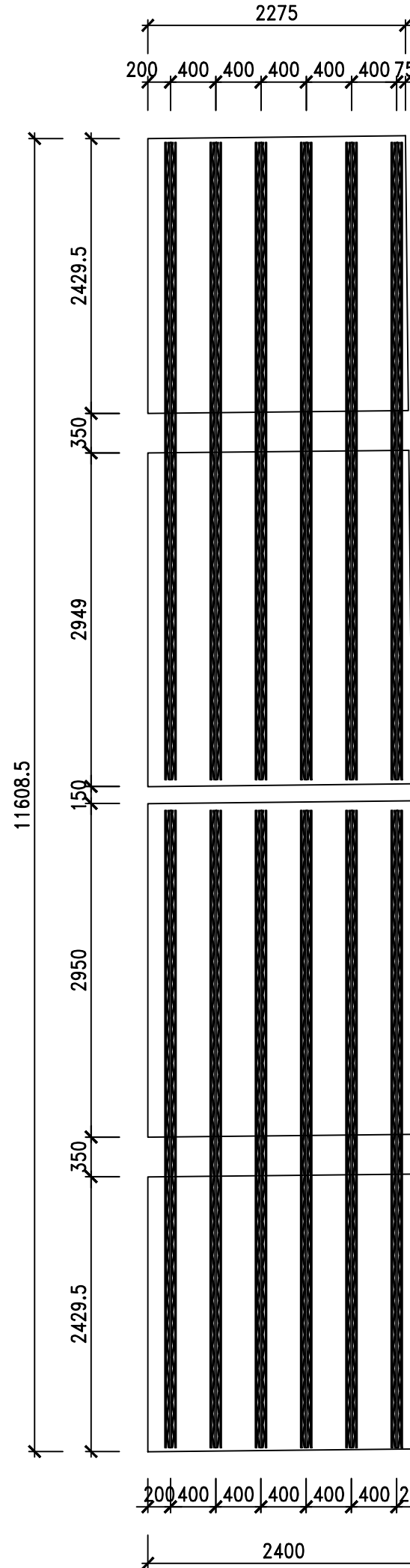
PREDALE TIP  
P27 - 1:50



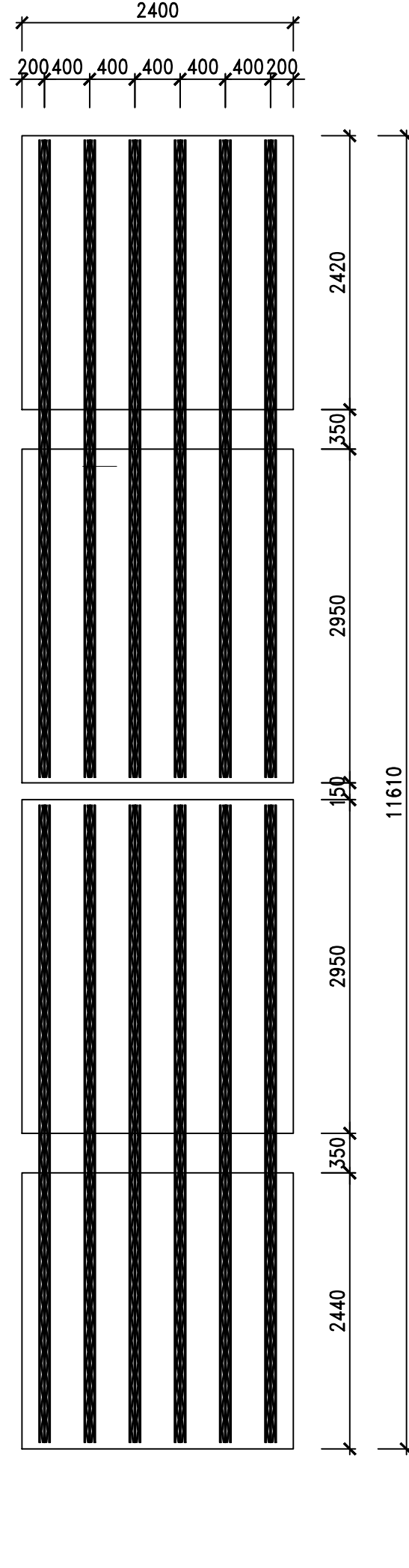
PREDALE TIP  
P31 - 1:50



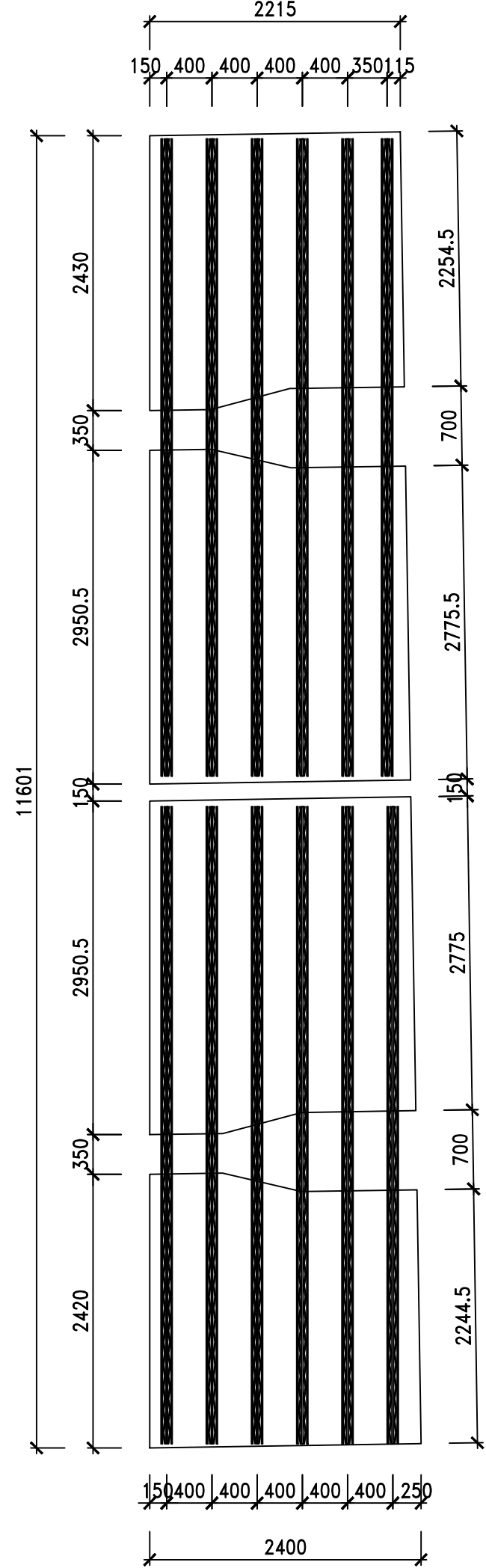
PREDALE TIP  
P34 - 1:50



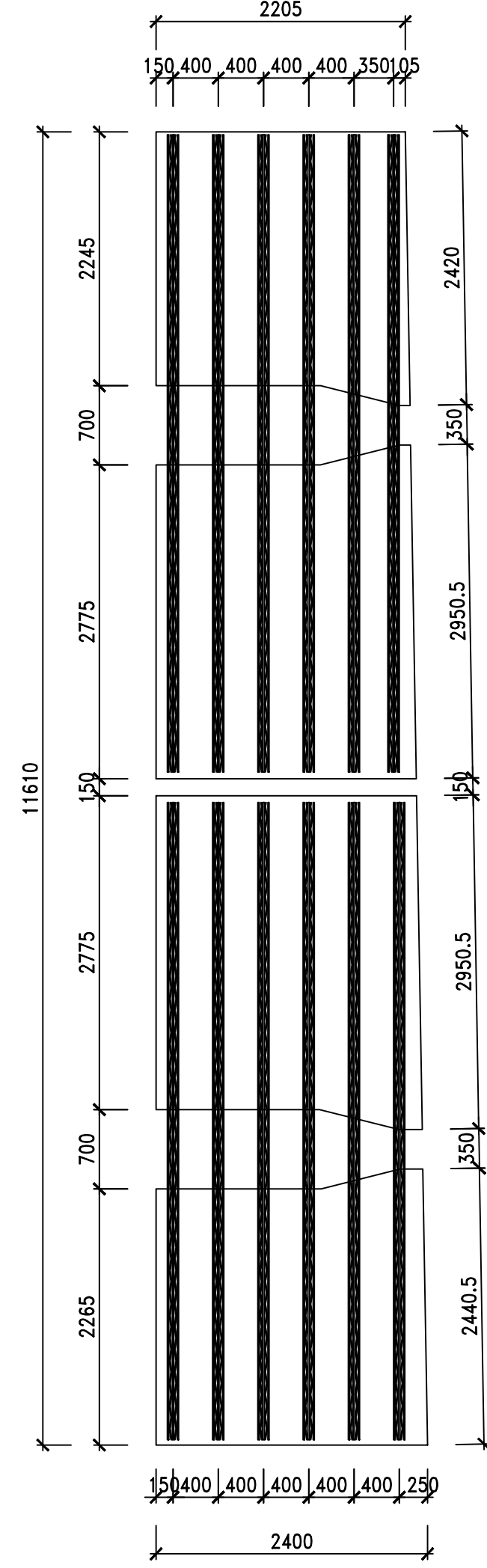
PREDALE TIP  
P35-P36-P37-P44-P45-P46  
P47-P49-P50-P51-P52-P53-P55  
P56-P57 - 1:50



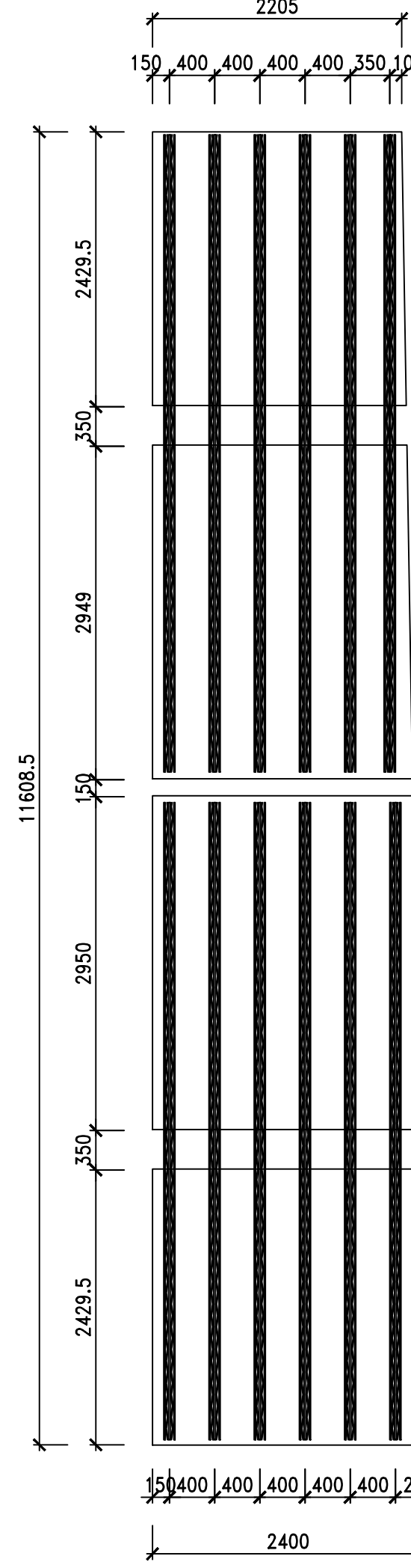
PREDALE TIP  
P38 - 1:50



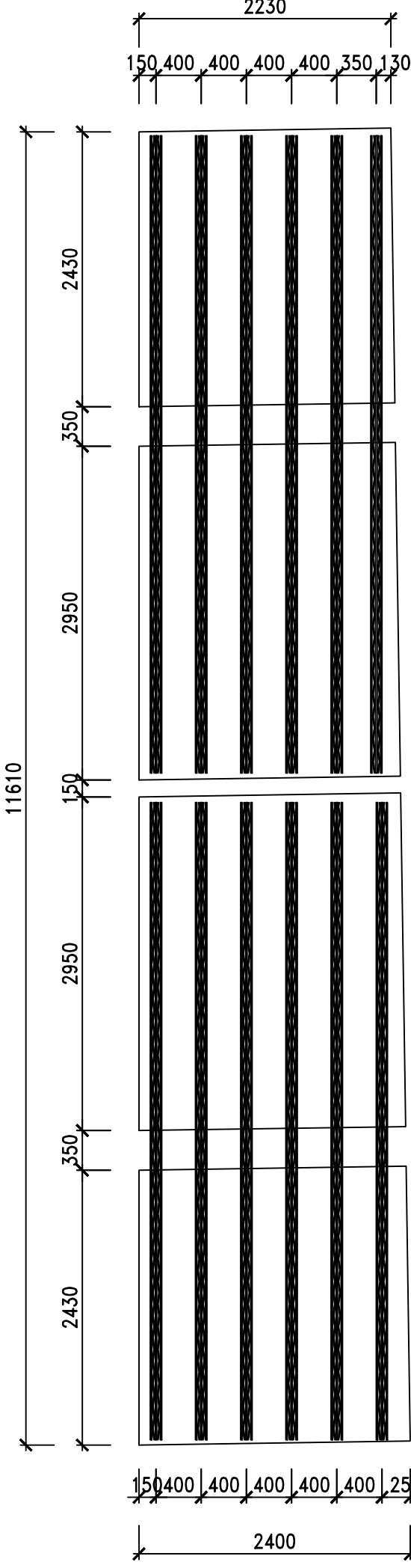
PREDALE TIP  
P43 - 1:50



PREDALE TIP  
P48 - 1:50

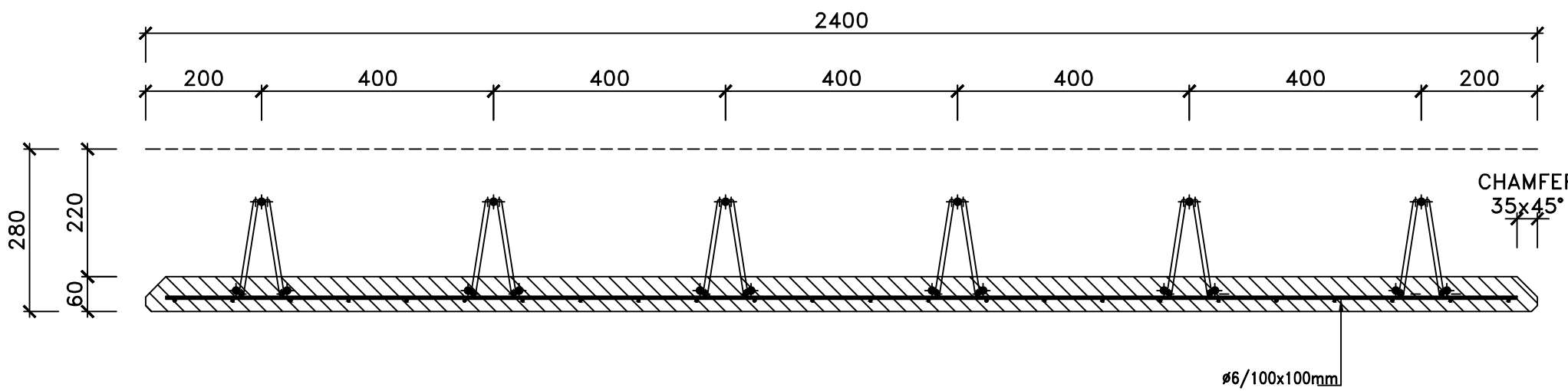


PREDALE TIP  
P54 - 1:50

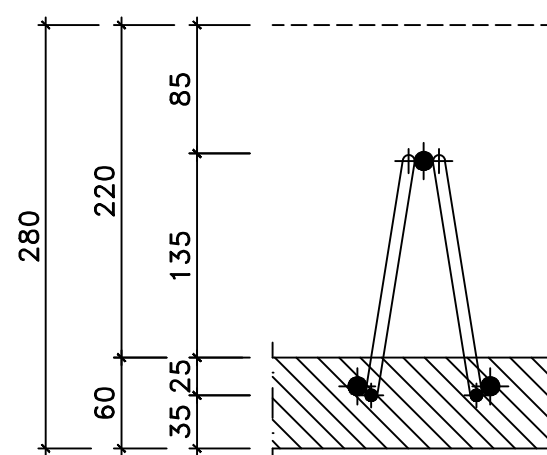


N.B. CHECK WITH SUPPLIER OF PREDALE  
THAT THE POSITION OF CONNECTORS  
IS COMPATIBLE WITH THE POSITION OF  
STEEL TRUSS

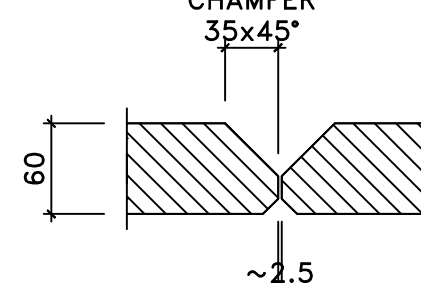
PREDALE TIP L=2400mm.  
SECTIUNE TRANSVERSALA - 1:10



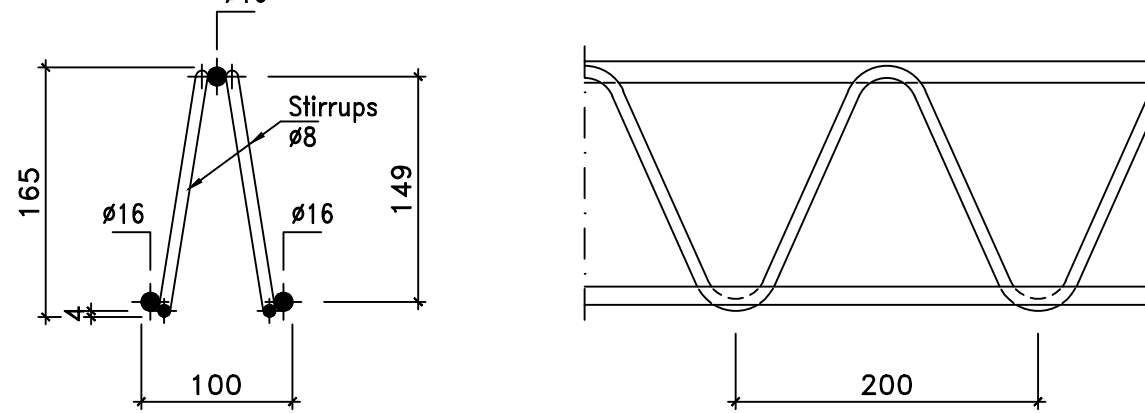
BARE ARMATURA  
LA PREDALE - 1:5



IMBINARE - 1:5



ZABRELE - 1:5



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		REVISOR		DETALIARE PLANA	
D.P. CONSULT		D.P. CONSULT S.A.		PASAJUL 1+028 PRETE CP 132		DATA		PASAJUL 1+028 PRETE CP 132	
D.P. CONSULT		D.P. CONSULT S.A.		PASAJUL 1+028 PRETE CP 132		DATA		PASAJUL 1+028 PRETE CP 132	
D.P. CONSULT		D.P. CONSULT S.A.		PASAJUL 1+028 PRETE CP 132		DATA		PASAJUL 1+028 PRETE CP 132	
D.P. CONSULT		D.P. CONSULT S.A.		PASAJUL 1+028 PRETE CP 132		DATA		PASAJUL 1+028 PRETE CP 132	

INVESTITOR		PROIECTANT GENERAL		AMPLASAMENT		REVISOR		DETALIARE PLANA	
D.P. CONSULT		D.P. CONSULT S.A.		PASAJUL 1+028 PRETE CP 132		DATA		PASAJUL 1+028 PRETE CP 132	
D.P. CONSULT		D.P. CONSULT S.A.		PASAJUL 1+028 PRETE CP 132		DATA		PASAJUL 1+028 PRETE CP 132	
D.P. CONSULT		D.P. CONSULT S.A.		PASAJUL 1+028 PRETE CP 132		DATA		PASAJUL 1+028 PRETE CP 132	
D.P. CONSULT		D.P. CONSULT S.A.		PASAJUL 1+028 PRETE CP 132		DATA		PASAJUL 1+028 PRETE CP 132	



[illegible]

Technical drawing of a bridge structure, showing plan and elevation views.

**Plan View (Top):**

- Overall width: 11800
- Span dimensions: 2000, 7800, 2000
- Approach span dimensions: 80, 300, 1620, 3900, 3900, 1620, 300, 80
- Labels: (X) 210 CURB, (Y) 210 CURB
- Pressure:  $P=1.00N$ ,  $P=2.50N$

**Elevation View (Bottom):**

- Central pier height: 11800
- Side pier height: 11800
- Bridge deck thickness: 150 mm
- Labels: (A)  $1\phi 22/300$  L=4350 SUP. (1630), (B)  $1\phi 22/300$  L=10500 SUP. (10900), (C)  $1\phi 16/300$  L=11800 INF. (11500), (D)  $1\phi 18/300$  L=9500 INF. (9500), (E)  $1\phi 12/250$  L=470 (1630), (F)  $1\phi 14/250$  L=1350 (1630), (G)  $1\phi 12/250$  L=460 (1630), (H)  $1\phi 14/250$  L=1150 (1630)
- Labels: (A)  $1\phi 22/300$  L=4350 SUP. (1630), (B)  $1\phi 22/300$  L=10500 SUP. (10900), (C)  $1\phi 16/300$  L=11800 INF. (11500), (D)  $1\phi 18/300$  L=9500 INF. (9500), (E)  $1\phi 12/250$  L=470 (1630), (F)  $1\phi 14/250$  L=1350 (1630), (G)  $1\phi 12/250$  L=460 (1630), (H)  $1\phi 14/250$  L=1150 (1630)
- Labels: (A)  $1\phi 22/300$  L=4350 SUP. (1630), (B)  $1\phi 22/300$  L=10500 SUP. (10900), (C)  $1\phi 16/300$  L=11800 INF. (11500), (D)  $1\phi 18/300$  L=9500 INF. (9500), (E)  $1\phi 12/250$  L=470 (1630), (F)  $1\phi 14/250$  L=1350 (1630), (G)  $1\phi 12/250$  L=460 (1630), (H)  $1\phi 14/250$  L=1150 (1630)
- Labels: (A)  $1\phi 22/300$  L=4350 SUP. (1630), (B)  $1\phi 22/300$  L=10500 SUP. (10900), (C)  $1\phi 16/300$  L=11800 INF. (11500), (D)  $1\phi 18/300$  L=9500 INF. (9500), (E)  $1\phi 12/250$  L=470 (1630), (F)  $1\phi 14/250$  L=1350 (1630), (G)  $1\phi 12/250$  L=460 (1630), (H)  $1\phi 14/250$  L=1150 (1630)
- Labels: (A)  $1\phi 22/300$  L=4350 SUP. (1630), (B)  $1\phi 22/300$  L=10500 SUP. (10900), (C)  $1\phi 16/300$  L=11800 INF. (11500), (D)  $1\phi 18/300$  L=9500 INF. (9500), (E)  $1\phi 12/250$  L=470 (1630), (F)  $1\phi 14/250$  L=1350 (1630), (G)  $1\phi 12/250$  L=460 (1630), (H)  $1\phi 14/250$  L=1150 (1630)
- Labels: (A)  $1\phi 22/300$  L=4350 SUP. (1630), (B)  $1\phi 22/300$  L=10500 SUP. (10900), (C)  $1\phi 16/300$  L=11800 INF. (11500), (D)  $1\phi 18/300$  L=9500 INF. (9500), (E)  $1\phi 12/250$  L=470 (1630), (F)  $1\phi 14/250$  L=1350 (1630), (G)  $1\phi 12/250$  L=460 (1630), (H)  $1\phi 14/250$  L=1150 (1630)
- Labels: (A)  $1\phi 22/300$  L=4350 SUP. (1630), (B)  $1\phi 22/300$  L=10500 SUP. (10900), (C)  $1\phi 16/300$  L=11800 INF. (11500), (D)  $1\phi 18/300$  L=9500 INF. (9500), (E)  $1\phi 12/250$  L=470 (1630), (F)  $1\phi 14/250$  L=1350 (1630), (G)  $1\phi 12/250$  L=460 (1630), (H)  $1\phi 14/250$  L=1150 (1630)
- Labels: (A)  $1\phi 22/300$  L=4350 SUP. (1630), (B)  $1\phi 22/300$  L=10500 SUP. (10900), (C)  $1\phi 16/300$  L=11800 INF. (11500), (D)  $1\phi 18/300$  L=9500 INF. (9500), (E)  $1\phi 12/250$  L=470 (1630), (F)  $1\phi 14/250$  L=1350 (1630), (G)  $1\phi 12/250$  L=460 (1630), (H)  $1\phi 14/250$  L=1150 (1630)
- Labels: (A)  $1\phi 22/300$  L=4350 SUP. (1630), (B)  $1\phi 22/300$  L=10500 SUP. (10900), (C)  $1\phi 16/300$  L=11800 INF. (11500), (D)  $1\phi 18/300$  L=9500 INF. (9500), (E)  $1\phi 12/250$  L=470 (1630), (F)  $1\phi 14/250$  L=1350 (1630), (G)  $1\phi 12/250$  L=460 (1630), (H)  $1\phi 14/250$  L=1150 (1630)
- Labels: (A)  $1\phi 22/300$  L=4350 SUP. (1630), (B)  $1\phi 22/300$  L=10500 SUP. (10900), (C)  $1\phi 16/300$  L=11800 INF. (11500), (D)  $1\phi 18/300$  L=9500 INF. (9500), (E)  $1\phi 12/250$  L=470 (1630), (F)  $1\phi 14/250$  L=1350 (1630), (G)  $1\phi 12/250$  L=460 (1630), (H)  $1\phi 14/250$  L=1150 (1630)
- Labels: (A)  $1\phi 22/300$  L=4350 SUP. (1630), (B)  $1\phi 22/300$  L=10500 SUP. (10900), (C)  $1\phi 16/300$  L=11800 INF. (11500), (D)  $1\phi 18/300$  L=9500 INF. (9500), (E)  $1\phi 12/250$  L=470 (1630), (F)  $1\phi 14/250$  L=1350 (1630), (G)  $1\phi 12/250$  L=460 (1630), (H)  $1\phi 14/250$  L=1150 (1630)
- Labels: (A)  $1\phi 22/300$  L=4350 SUP. (1630), (B)  $1\phi 22/300$  L=10500 SUP. (10900), (C)  $1\phi 16/300$  L=11800 INF. (11500), (D)  $1\phi 18/300$  L=9500 INF. (9500), (E)  $1\phi 12/250$  L=470 (1630), (F)  $1\phi 14/250$  L=1350 (1630), (G)  $1\phi 12/250$  L=460 (1630), (H)  $1\phi 14/250$  L=1150 (1630)
- Labels: (A)  $1\phi 22/300$  L=4350 SUP. (1630), (B)  $1\phi 22/300$  L=10500 SUP. (10900), (C)  $1\phi 16/300$  L=11800 INF. (11500), (D)  $1\phi 18/300$  L=9500 INF. (9500), (E)  $1\phi 12/250$  L=470 (1630), (F)  $1\phi 14/250$  L=1350 (1630), (G)  $1\phi 12/250$  L=460 (1630), (H)  $1\phi 14/250$  L=1150 (1630)
- Labels: (A)  $1\phi 22/300$  L=4350 SUP. (1630), (B)  $1\phi 22/300$  L=10500 SUP. (10900), (C)  $1\phi 16/300$  L=11800 INF. (11500), (D)  $1\phi 18/300$  L=9500 INF. (9500), (E)  $1\phi 12/250$  L=470 (1630), (F)  $1\phi 14/250$  L=1350 (1630), (G)  $1\phi$

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

**Cross-section (Top):**

- Overall width: 11800
- Span lengths: 2000, 7800, 2000
- Bridge deck width: 80, 300, 1620, 3900, 3900, 1620, 300, 80
- Reinforcement:  $P=1.00\%$  and  $P=2.50\%$
- Labels: X 2110 CURRENT, Y 2110 CURRENT, LINE A-A', 3.

**Plan View (Bottom):**




- Reinforcement details:
  - (A)  $1\phi 22/300$  L=4350 SUP. (1630)
  - (B)  $1\phi 22/300$  L=10500 SUP. (2050)
  - (C)  $1\phi 16/300$  L=11800 INF. (1500)
  - (D)  $1\phi 18/300$  L=9500 INF. (950)
  - (E)  $1\phi 12/250$  L=470 (1630)
  - (F)  $1\phi 14/250$  L=1350 (1150)
  - (G)  $1\phi 12/250$  L=460 (1630)
  - (H)  $1\phi 14/250$  L=1150 (1150)
- Labels: SUP. (Superior), INF. (Inferior), ALTERNATE 150 mm

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

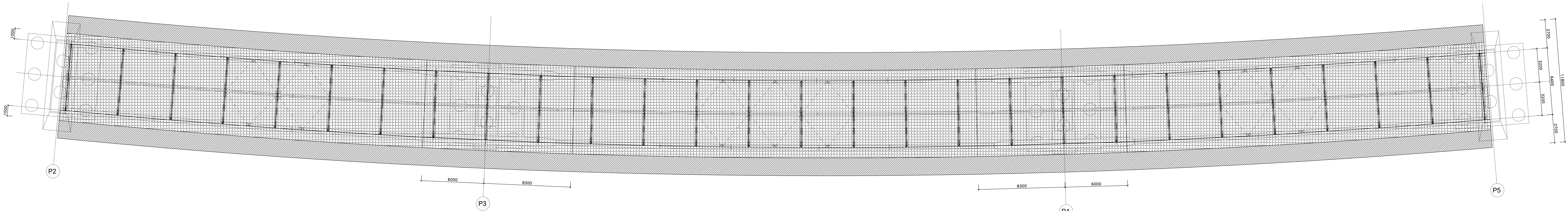
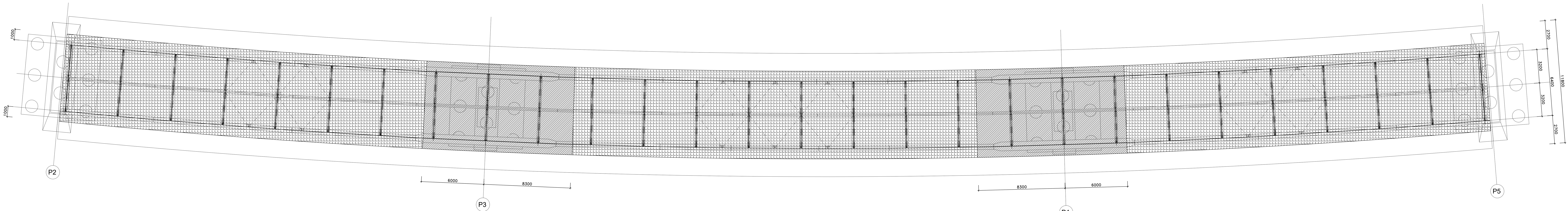
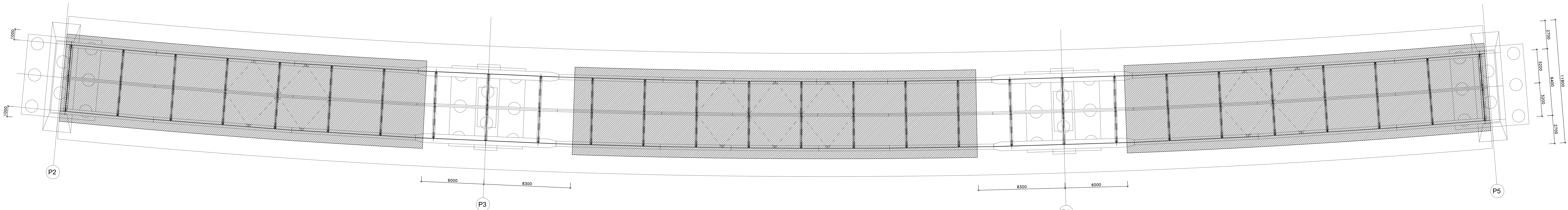
MARCA	Ø/INTERAX mm	LUNGIME mm	CANTITATE n.
A1	1ø22/150	4350	76
B1	1ø22/150	10500	38
C1	1ø16/150	11800	38
D1	1ø18/150	9500	38
E	1ø12/250	470	24
F	1ø14/250	1350	24
G	1ø12/250	460	24
H	1ø14/250	1150	24

A technical drawing of a corrugated metal profile. The profile has a repeating wave pattern. A dimension line below the profile indicates that the distance between two consecutive peaks (the wavelength) is 200 mm.

Stampa: D. P. CONSULT SA 2

<div>INVESTITOR</div> <div></div> <div>COMPANIA NATIONALA DE INGINERARIA #INGENIERIINROMANIA</div>	<div>PROIECTANT GENERAL</div> <div></div> <div>D.P. CONSULT S.R.L.</div>	<div>AMPLASAMENT</div> <div></div>	<div>SCHEMARE PROIECT PROIECTARE SI EXECUTIE "VARIANTA DE OCULIRE TIMISOARA SUD"</div> <div>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>REVISIUN</div> <table><tr><th>NR. REV.</th><th>DATA</th><th>SEMANA</th></tr><tr><td></td><td></td><td></td></tr></table>	NR. REV.	DATA	SEMANA				<div>DESCRIERE PLANSĂ PASAUN + H&amp;H PROIECT DE FI TIMISOARA SUD-UCRUCENI</div>
NR. REV.	DATA	SEMANA											
<div>NUMAR CONTRACT: 5006/09.02.2023</div>				<div>Data : 03.2023</div>	<div>Inginer Teoretician Proiect Ing. Radu Coste</div>	<div>ARMARE PLASA SUPRABETONARE (a3)</div>							
<div>NUMAR PROIECT : 596</div>				<div>VERIFICATOR TEHNIC</div>	<div>Inginer Proiectant Ing. Teodor Sabadis</div>	<div>Score: 15 1:10 150</div>	<div>NUMAR PLANSĂ 10036/0704 STR02-SM-12</div>						





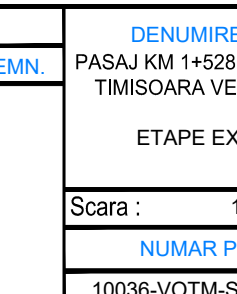
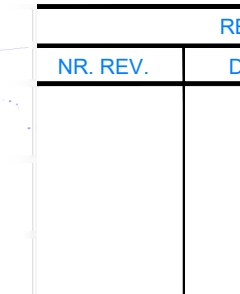
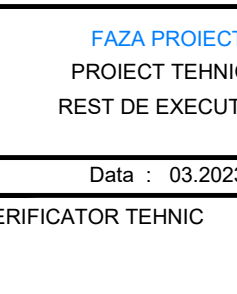
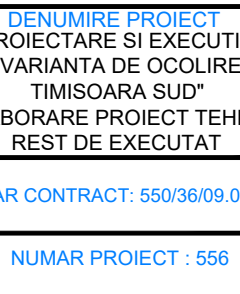
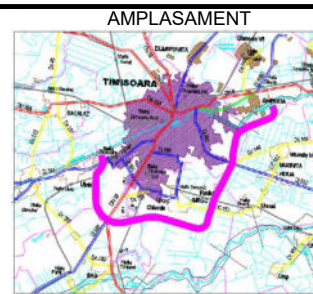
#### CONCRETE CASTING PHASES

- 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)

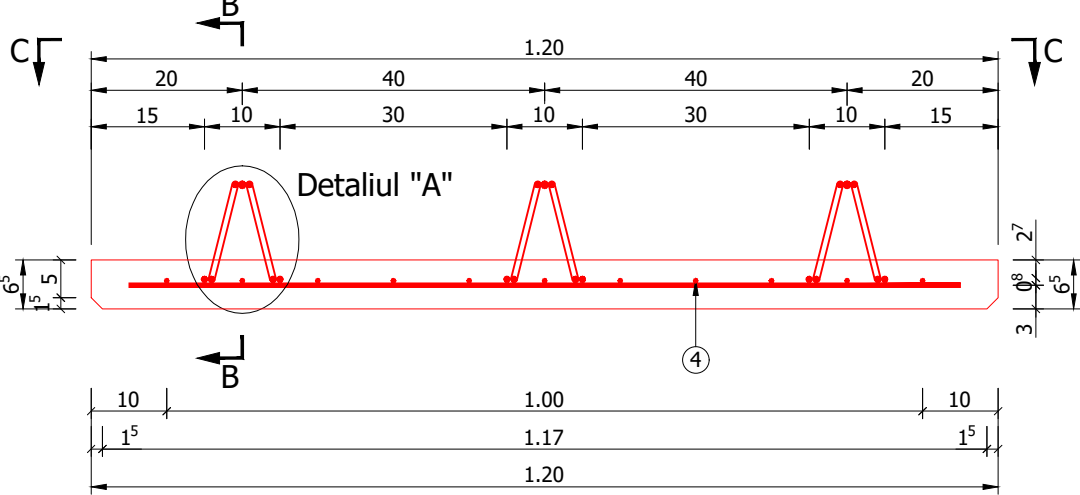
C35/45 – Dale prefabricate  
Conform NE 012-1:2007 / SR EN 206-1  
Clasa de expunere: XD3 (RO)  
Agregate: Dmax16  
Clasa de cloruri: Cl 0,2  
Clasa de consistență: clasa de tasare S4  
Acoperirea cu beton: 35 mm  
Otel (armare de beton): S500 (BST500C)





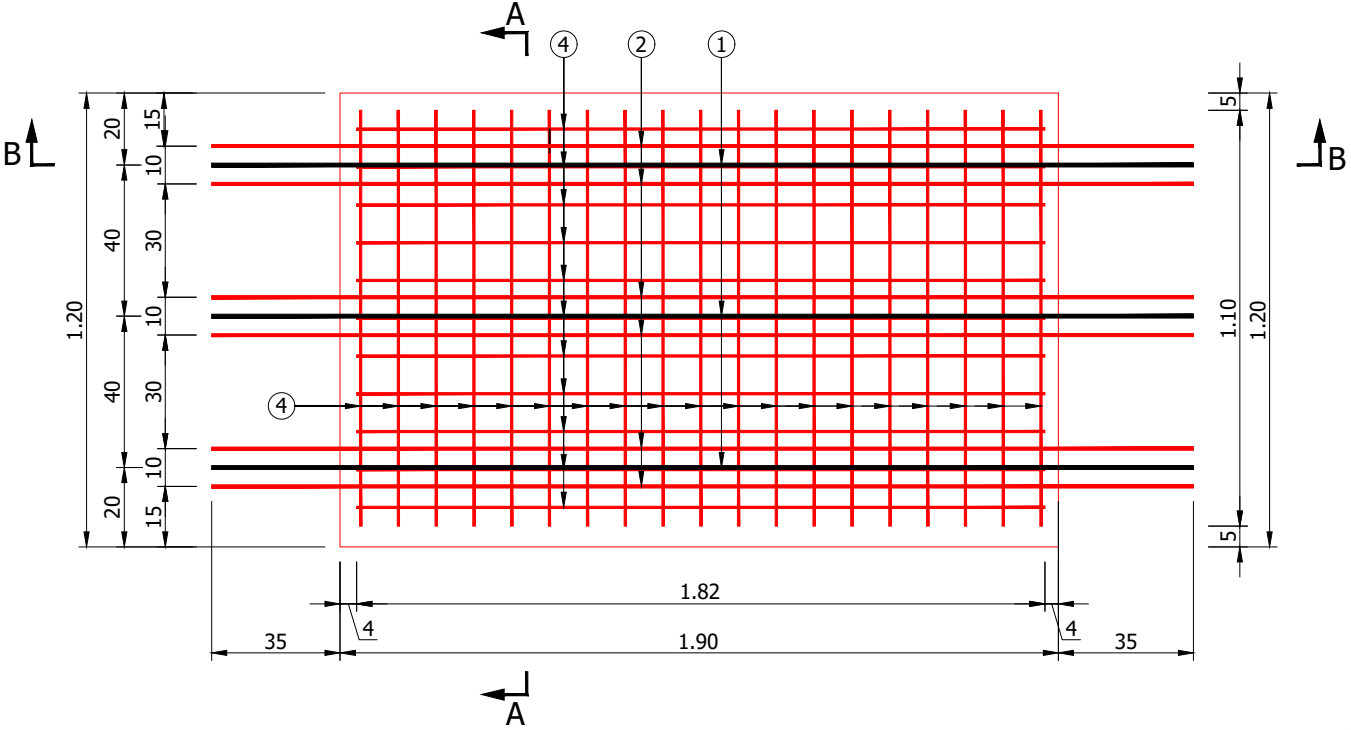
# SECTIUNE TRANSVERSALA A-A

Scara 1:10



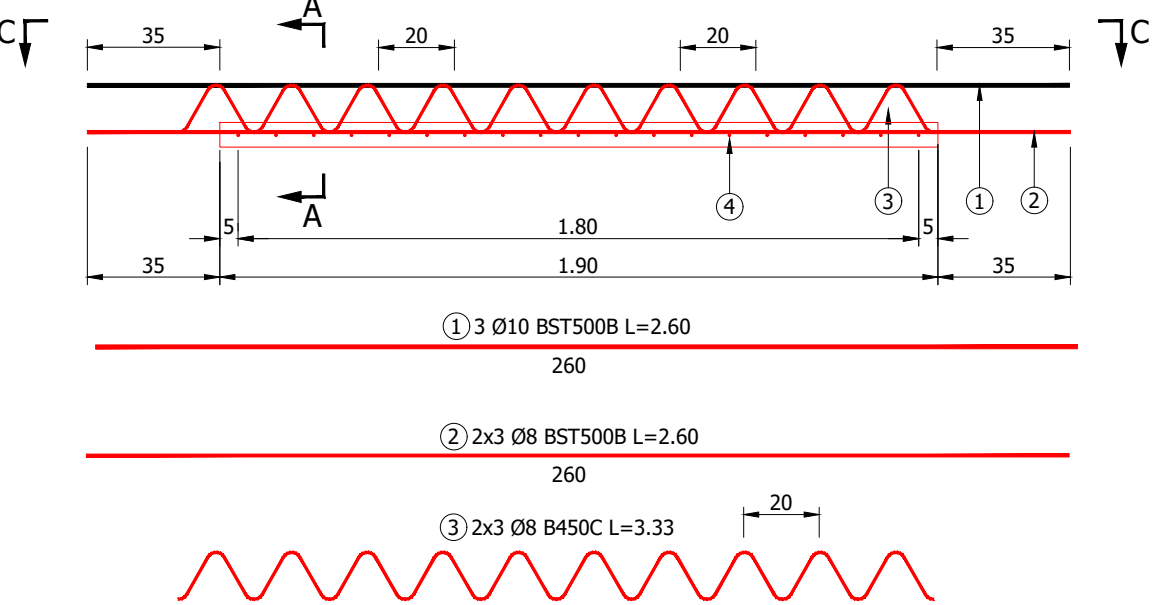
# VEDERE PLANA C-C

Scara 1:20



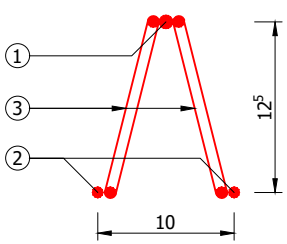
# SECTIUNE LONGITUDINALA B-B

Scara 1:20



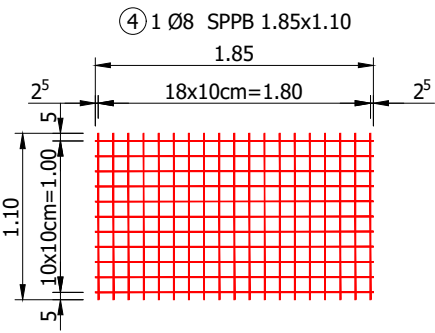
# DETALIUL "A"

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/m<sup>3</sup>

# 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 <sup>2</sup> )	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 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 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

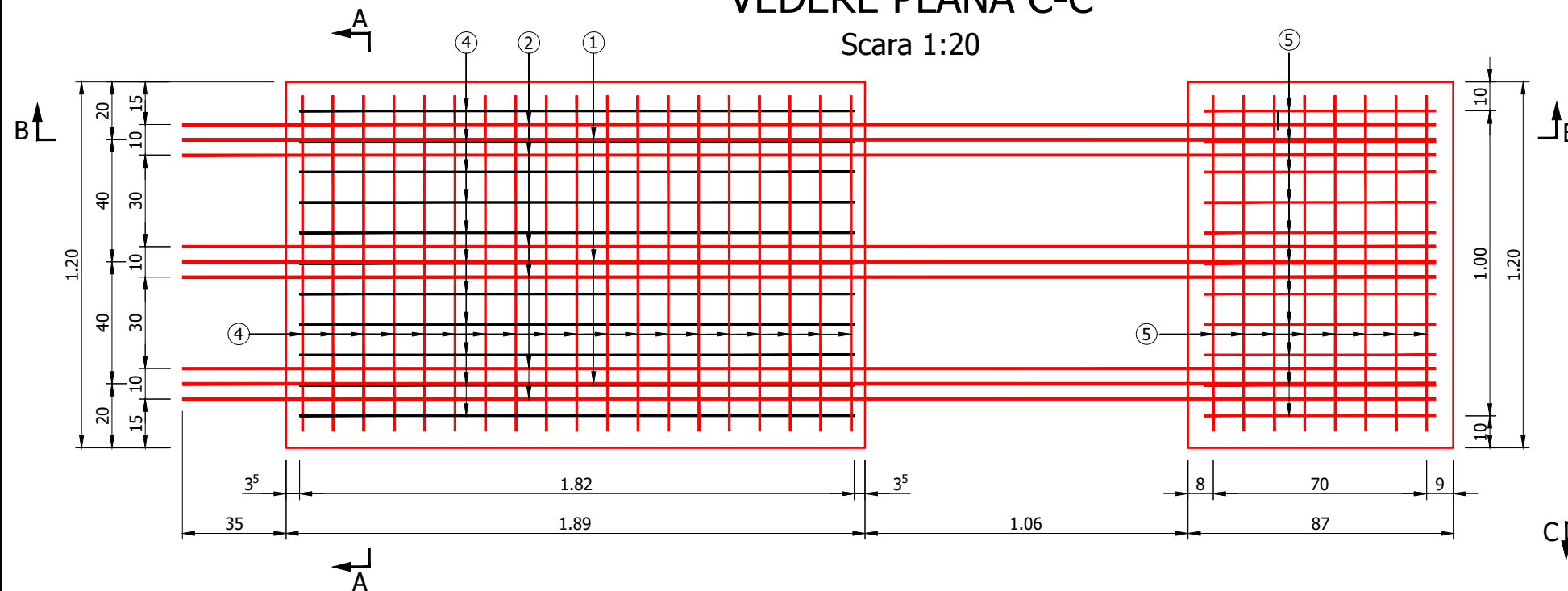
NUMAR PLANSA

10036-VOTM-STR02-AS-01



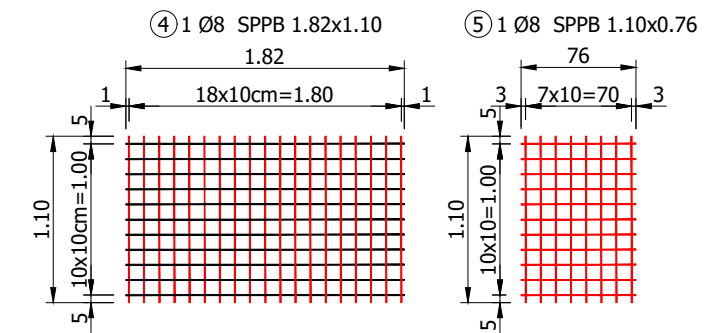
## VEDERE PLANA C-C

Scara 1:20



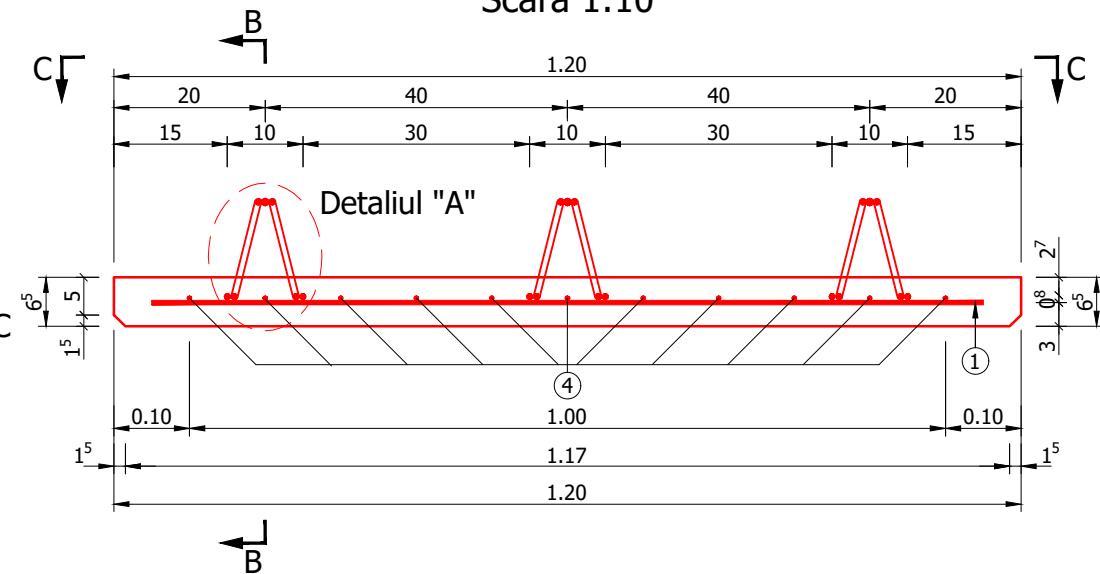
## PLASA SUDATA

Scara 1:50



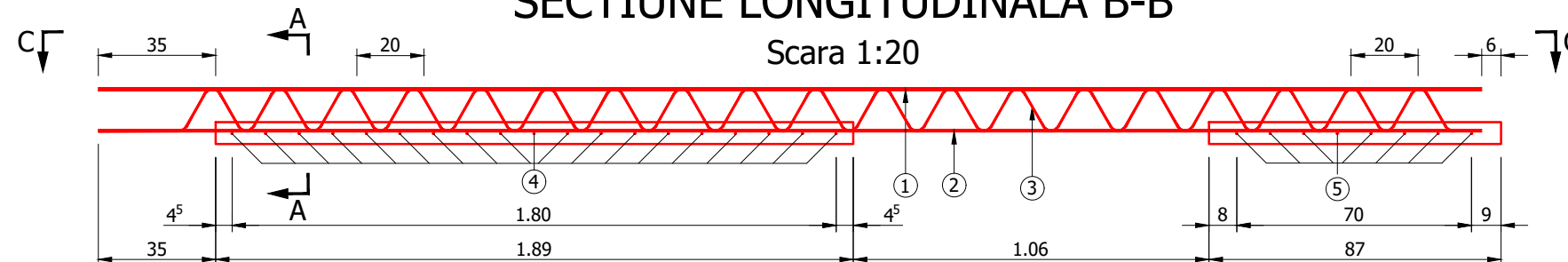
## SECTIUNE TRANSVERSALA A-A

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

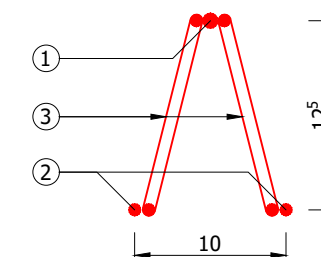
Marca	φ (mm)	n (buc.)	L (m)	nxL-B450C	nxL-BST500C
1	10	3	4.09	φ8	φ8
2	8	6	4.09		24.54
3	8	6	6.33	37.98	24.54
TOTAL LUNGIMI PE DIAMETRU (m)				37.98	24.54
GREUTATE PE METRU (kg/m)				0.395	0.395
GREUTATE PE DIAMETRU (kg)				15.00	9.693
GREUTATE PE TIP DE OTEL (kg)				15.00	17.26
GREUTATE TOTALA (kg)	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

## EXTRAS PLASA SUDATA

Marca	φ (mm)	n (buc.)	L (m)	S (m²)	SPPB
4	8	1	1.10	1.82	2.00
5	8	1	1.10	0.76	0.84
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

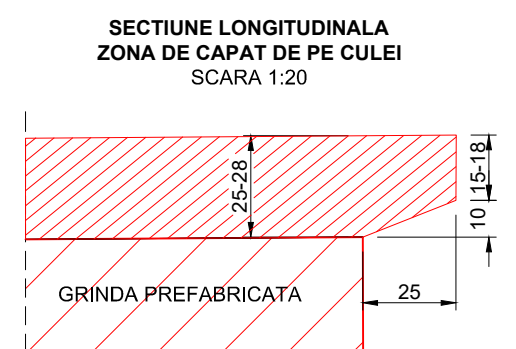
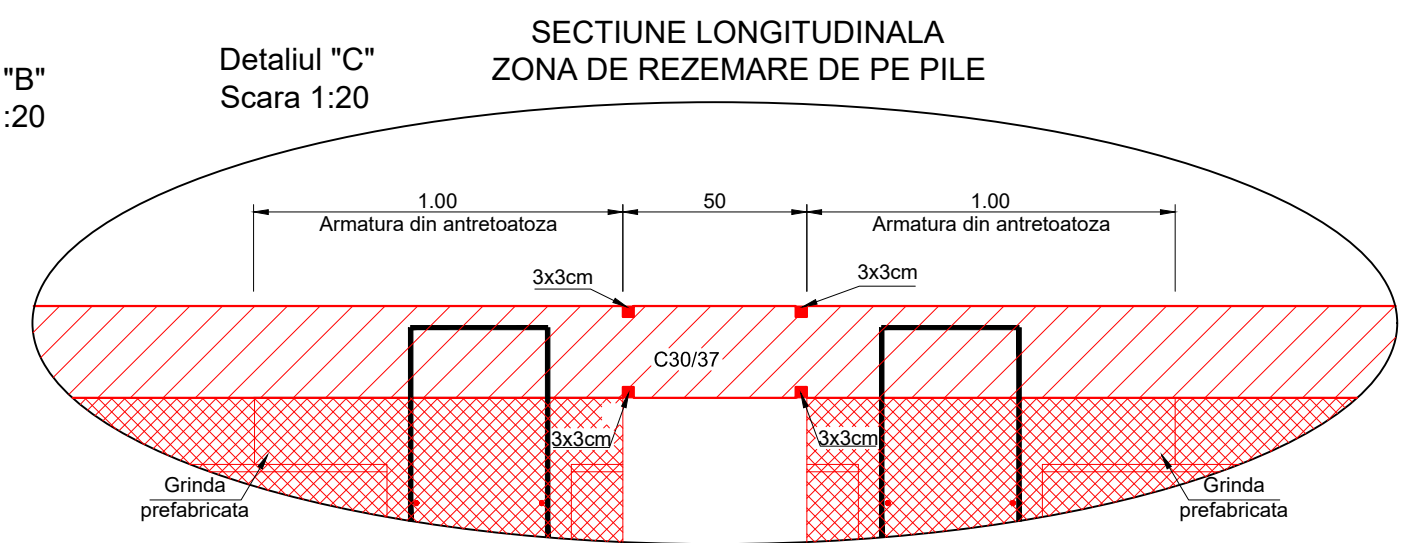
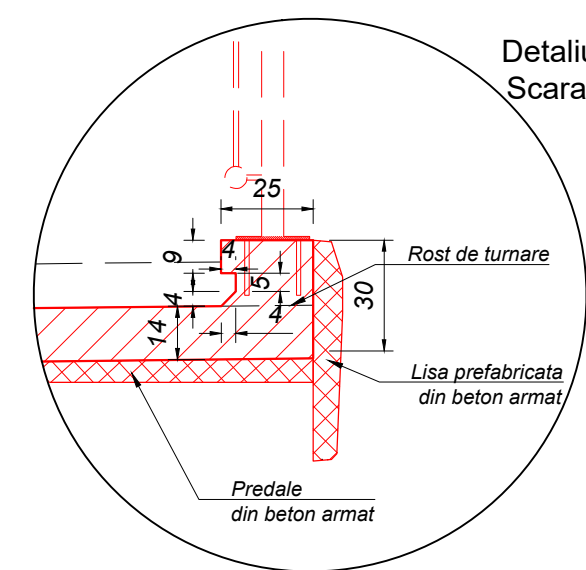
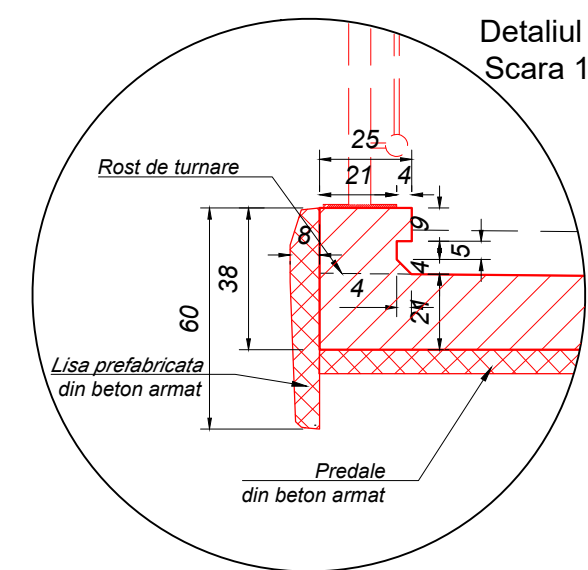
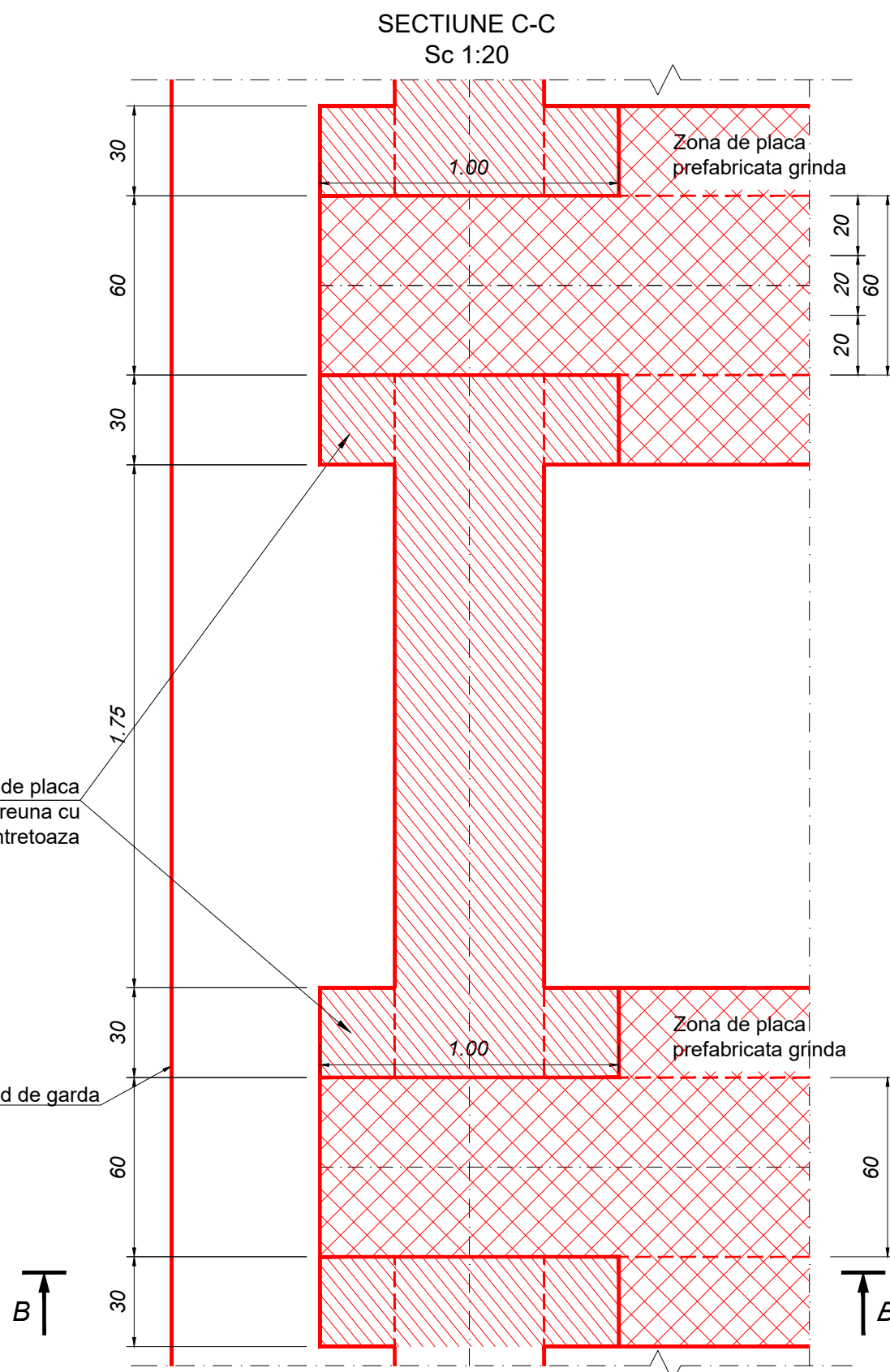
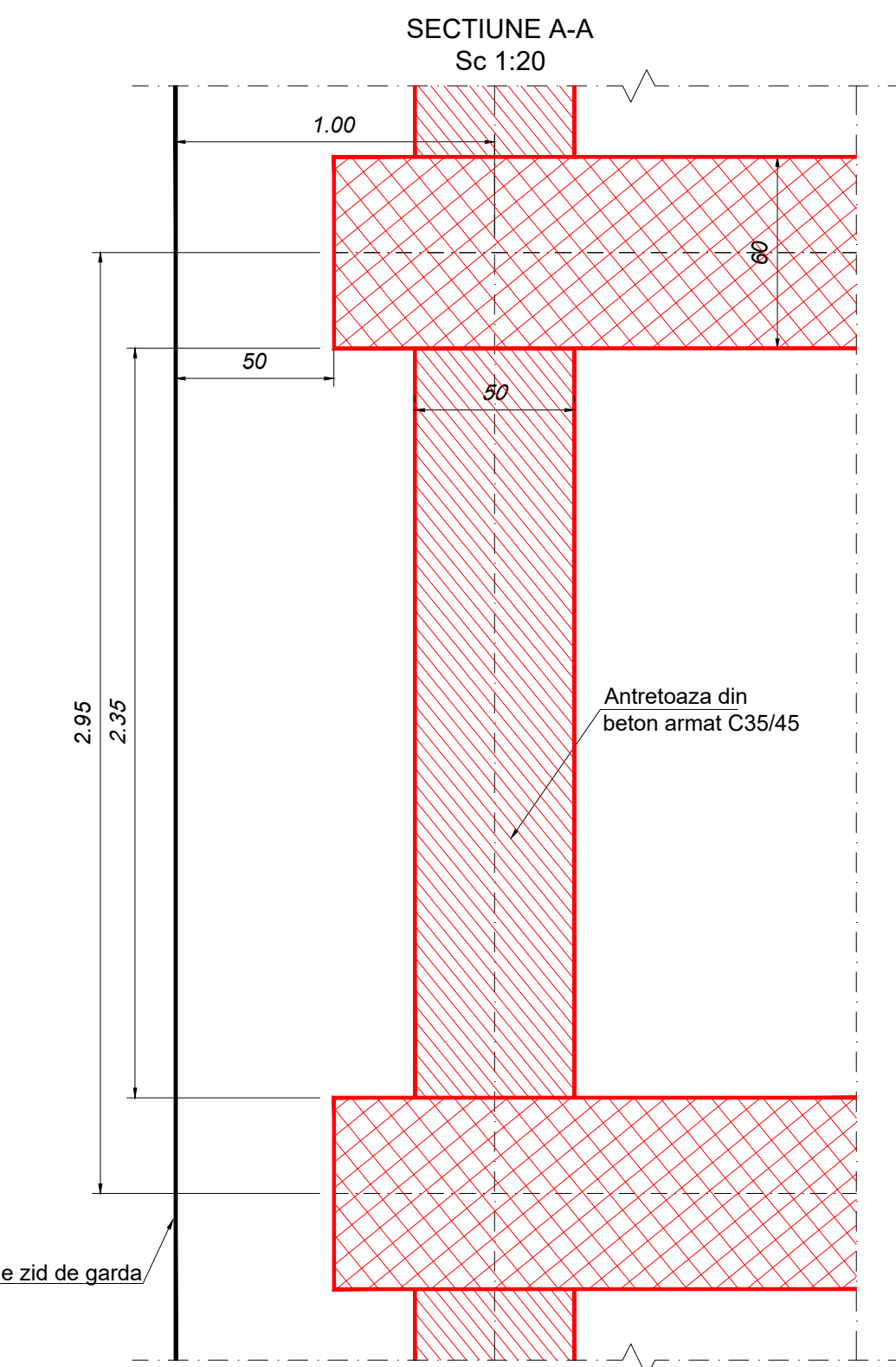
PASAJ KM 1+528 PESTE CF 132  
TIMISOARA VEST-CRUCENI  
PLAN ARMARE PREDALA  
PREFABRICATA  
1.89x1.20 + 0.87x1.20

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

## NUMAR PLANSA

10036-VOTM-STR02-AS-02



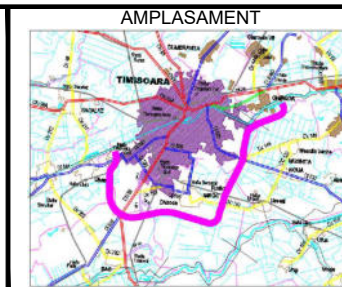


	REALIZAT-	NEREALIZAT-
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39. <i>Realizati</i>	✓	
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41. <i>Realizati</i>	✓	
42. <i>Nerealizati</i>		✓
43. <i>Realizati</i>	✓	
44. <i>Nerealizati</i>		✓
45. <i>Realizati</i>	✓	
46. <i>Nerealizati</i>		✓
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91. <i>Realizati</i>	✓	
92. <i>Nerealizati</i>		✓
93. <i>Realizati</i>	✓	
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95. <i>Realizati</i>	✓	
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98. <i>Nerealizati</i>		✓
99. <i>Realizati</i>	✓	
100. <i>Nerealizati</i>		✓



COMPANIA NATIONALA DE ADMINISTRARE  
A INFRASTRUCTURII RUTIERE S.A.

PROIECTANT GENERAL



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

### INDICATOR TECHNIC

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

[illegible]

DENUMIRE PLANSĂ		
SAJ KM 1+528 PESTE CF 132 TIMISOARA VEST-CRUCENI PLAN COFAJ PLACA DE SUPRABETONARE		
Cară :	1:50	1:20
NUMAR PLANSĂ		
10036-VOTM-STR02-Cs-01		



# Extras armatura pentru o antretoaza

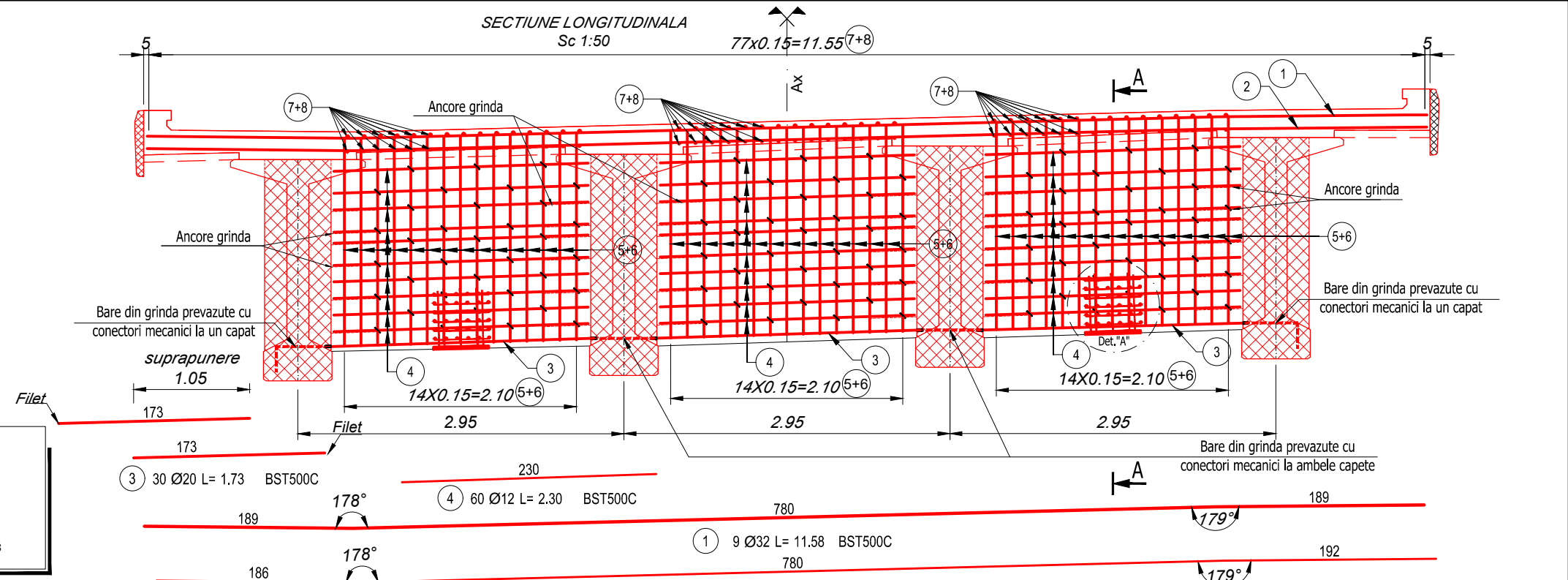
MARCA	DIAMETRU	NR BUCATI	LUNGIMI [m]						
			/bucata	/diametru					
				BST500C					
				Ø8	Ø10	Ø12	Ø14	Ø20	Ø32
1	32	9	11.58						104.22
2	12	9	11.58			104.22			
3	20	30	1.73					51.90	
4	12	60	2.30			138.00			
5	14	45	4.16				187.20		
6	14	45	1.98				89.10		
7	12	45	2.13			95.85			
8	12	45	1.53			68.85			
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

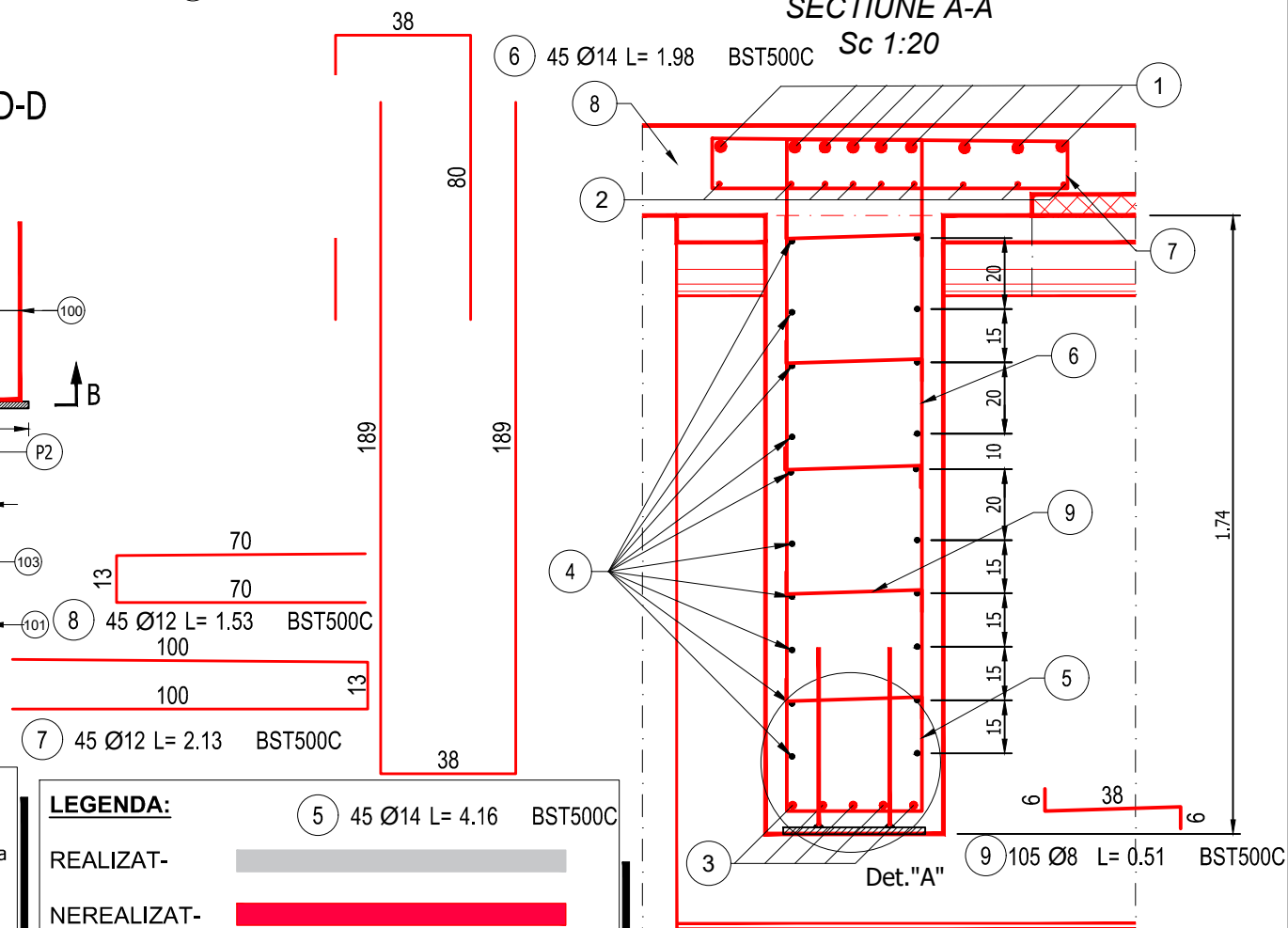
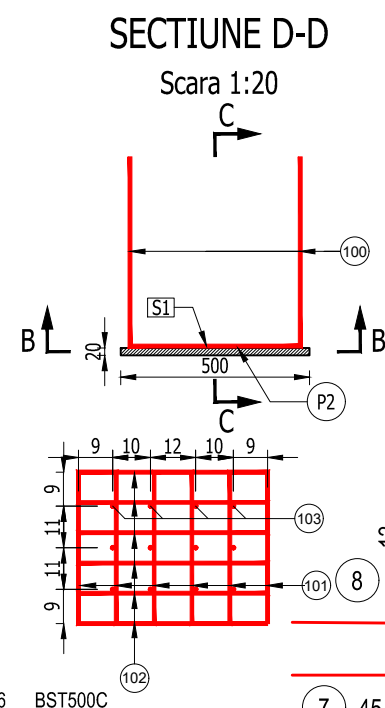
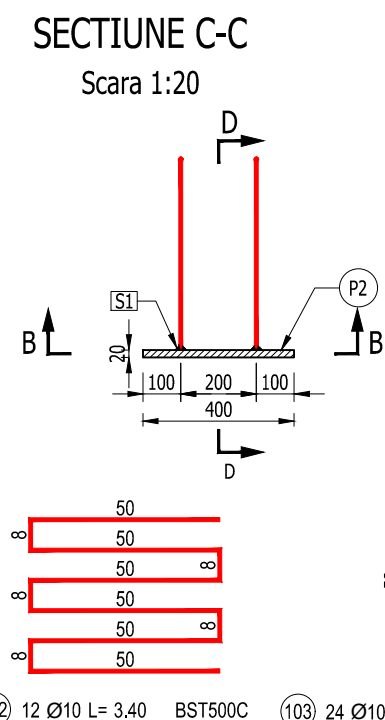
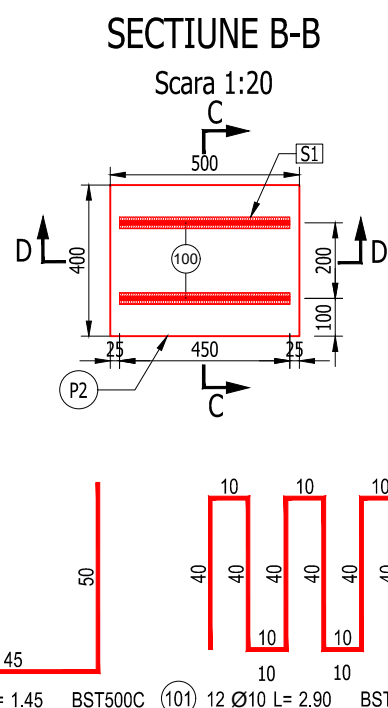
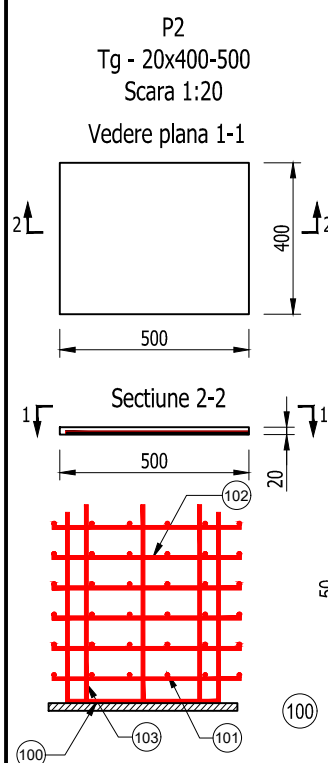
Greutate / buc. (kg)	31.40
Greutate totala / antretoaza = 2 buc. (kg)	62.80
Greutate totala (10 antretoaze) (kg)	628.00

## 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



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

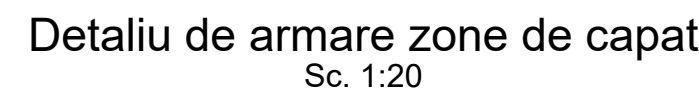
NOTA:  
- Stratul minim de acoperire este 5cm;  
- Toate dimensiunile barelor sunt date in ax;  
- Constructorul are obligatia de a verifica proiectul inainte de a proceda la executie si de a comunica proiectantului orice nepotrivire, eroare sau neclaritate pentru a face corectiile sau clarificarile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

LEGENDA:	5 45 Ø14 L= 4.16 BST500C
REALIZAT-	
NEREALIZAT-	

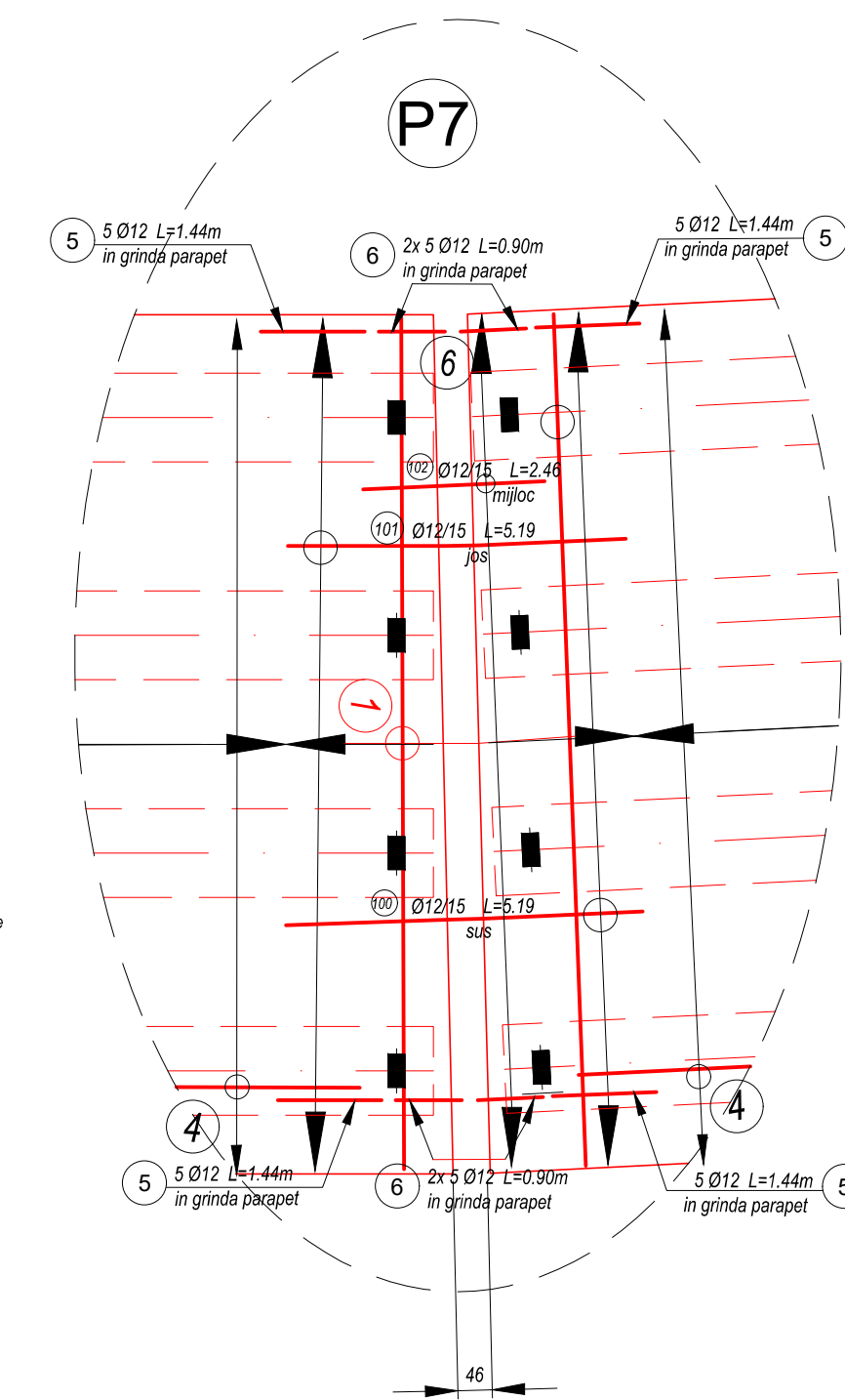
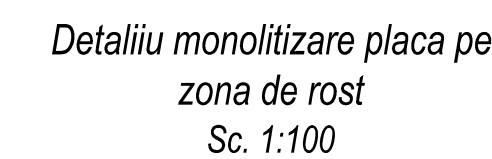
<div>INVESTITOR</div> <div></div> <div>COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE S.A.</div>	<div></div> <div>PROIECTANT GENERAL</div> <div></div> <div>D P CONSULT S.A.</div>	<div>AMPLASAMENT</div> <div></div>	<div>DENUMIRE PROJECT</div> <div>PROIECTARE SI EXECUTIE</div> <div>"VARIANTA 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. Silivan Moldovan</div> <div>Sef Echipa Proiectare</div> <div>ing. Raul Cocis</div> <div>Inginer Proiectant Poduri</div> <div>ing. Attila Takacs</div> <div>Inginer Proiectant</div> <div>ing. Teodor Sabadis</div>	<div>REVIZII</div> <div>NR. REV.</div> <div>DATA</div> <div>SEM.N.</div>	<div>DENUMIRE PLANSA</div> <div>PASAJ KM 1+528 PESTE CF 132</div> <div>TIMISOARA VEST-CRUCENI</div> <div>PLAN ARMARE ANTRETOAZA</div> <div>h=2.00</div> <div>Scara : 1:20, 1:50</div> <div>NUMAR PLANSA</div> <div>10036-VOTM-STR02-As-04</div>
			<div>NUMAR CONTRACT: 550/36/09.02.2023</div>	<div>Data : 03.2023</div> <div>VERIFICATOR TEHNIC</div>			
			<div>NUMAR PROIECT : 556</div>				



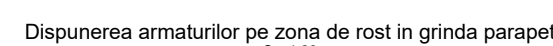
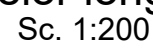
Sc. 1:20



MARCA	DIAMETRU	NR BUCATI	LUNGIMI [m]	
			$\varnothing$ bucatu	$\varnothing$ diametri
1	12	1188	11,78	3994,6
2	12	1188	11,78	3994,6
3	12	312	4,47	1394,8
4	12	2490	12,00	9880,0
5	6	16	1,69	101,0
6	12	60	0,40	24,0
7	12	1222	1,01	1234,2
8	12	1222	0,60	733,2
9	12	1222	0,62	733,2
10	12	40	0,78	78,0
11	12	1222	1,10	1344,2
102	12	234	5,19	1214,4
101	12	234	5,19	1214,4
102	12	234	2,52	589,6
LUNGIMI TOTAL[E]m			8656,4	
MASA [kg]	metru		0,88	
	diametri totala		59172,2	
			59172,2	



Sc. 1:200



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 nepotrivire, eroare sau neclaritate pentru a face corectiile sau clarificarile necesare.

## CERINTE DE CALITATE

Beton: C35/45

Otel: BST500C

Valoare max. A/C: 0.55<sup>a)</sup>

Dozaj min. ciment: 340 Kg/m<sup>3</sup>

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[illegible]

DENUMIRE PLAN

CF132

PLAN ARMARE PL  
SUPREBETON

SOFRABETON®

Scara : 1:20, 1:100, 1:200

NUMAR PLANS.

10036-VOTM-STR02-A

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INVESTITOR



COMPANIA NATIONALA DE ADMINISTRARE  
A INFRASTRUCTURII RUTIERE S.A.

PROIETTANT GENERAL

THE WAY TO BARE BEYOND THE LIMITS

**CONSULT**

D.P. CONSULT S.A.

A map of the Timor-Leste region, showing the location of the project area highlighted in pink. The map includes major roads, rivers, and administrative boundaries. The project area is located in the central part of the country, near the border with Indonesia.

<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>

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

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

[illegible]

	DENUMIRE PLANSA
EMN.	PASAJ KM 1+528 PE CF132 PLAN ARMARE PLAC SUPRABETONAR
	Scara : 1:20, 1:100, 1:200
	NUMAR PLANSA
	40926 VOTIA CT203 LG





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