

SCHEMA STATICA

RD=Δ±30

39.00m

RD=Δ±30

RD

RM

C1

RD

RF

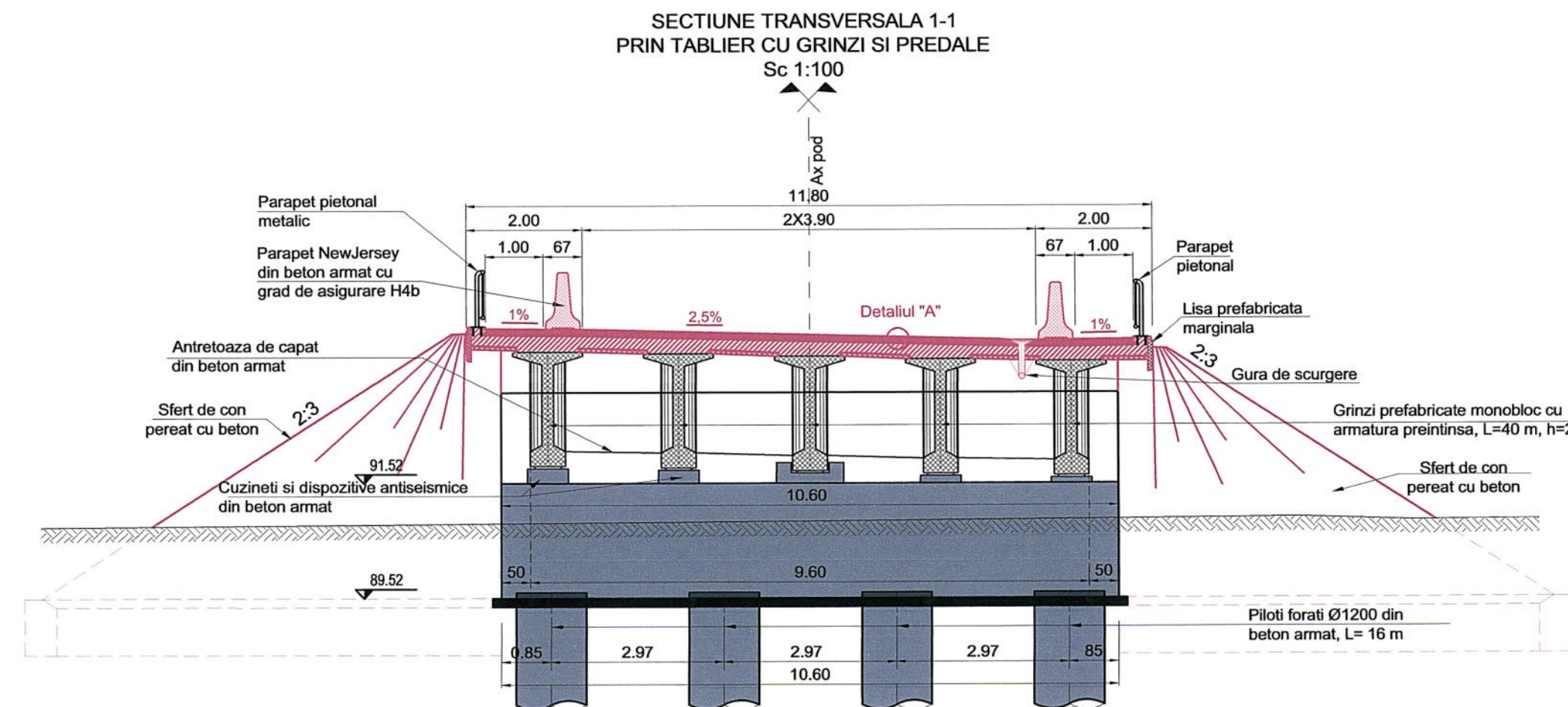
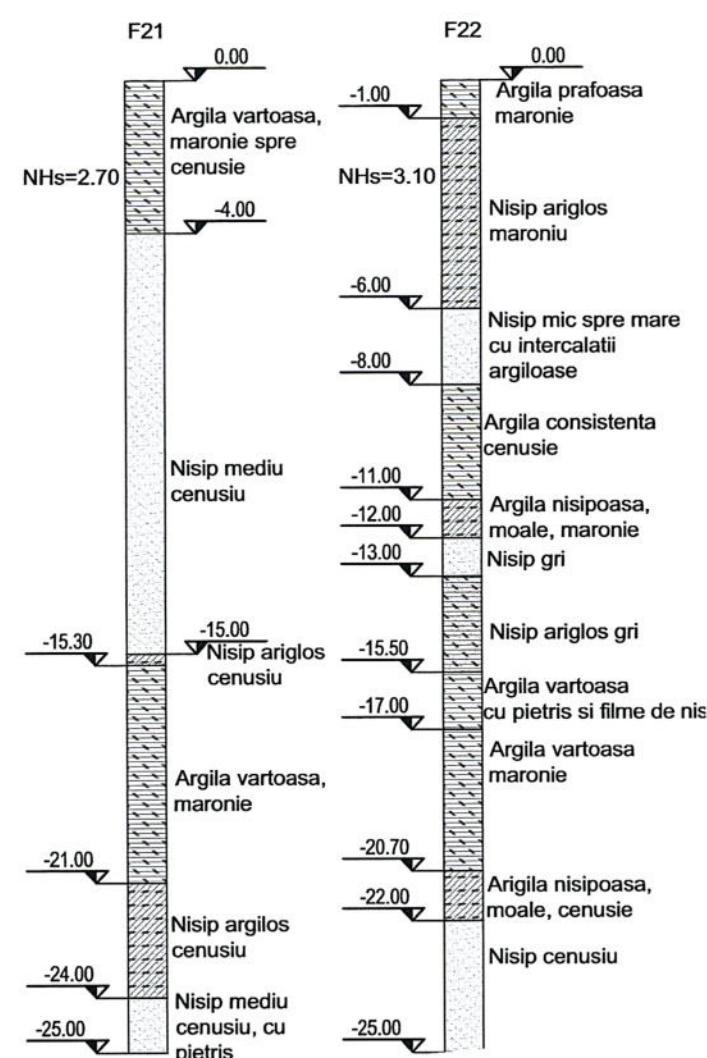
C2

RM - aparat de reazem mobil

RF - aparat de reazem fix

RD - rost de dilatare

Convoiul de calcul: LM1, LM2(SR EN 1991-2/2005).
Caracteristicile seismice ale zonei: $a_g=0.2g$, $T_c=0.7$ S
conform cod P100/1-2013, SR EN 1998-2/2006.
Categoría de importanța: C.
Exigente de verificare: A4, B2, D2.



LEGENDA:

REALIZAT-

NEREALIZAT-

NOTA:

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



Detaliul "A"

4 cm BAP16 + 4 cm MAS16

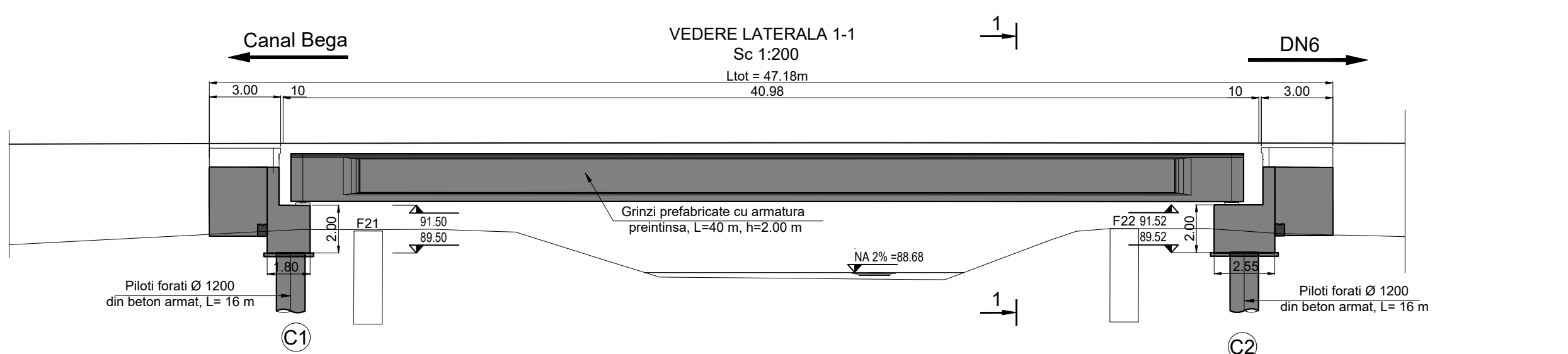
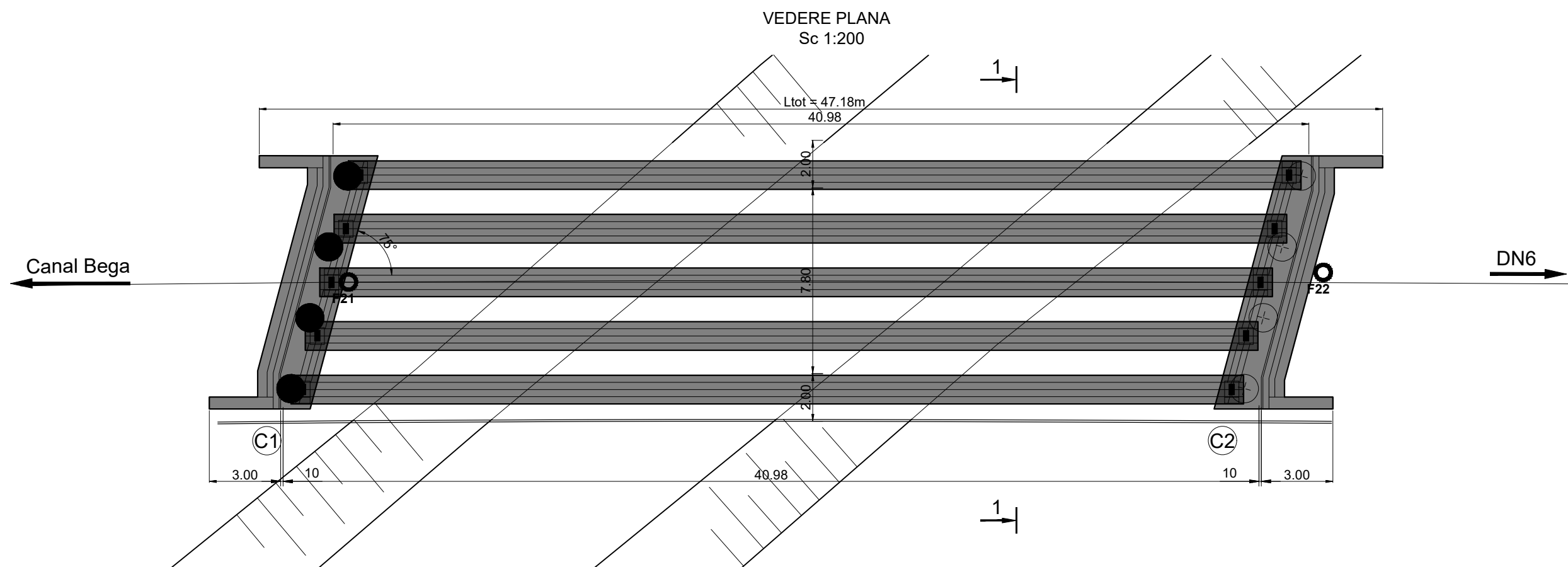
3 cm Protectie hidroizolatie din BA8

1 cm Hidroizolatie

Placa de suprabetonare din beton armat

INVESTITOR

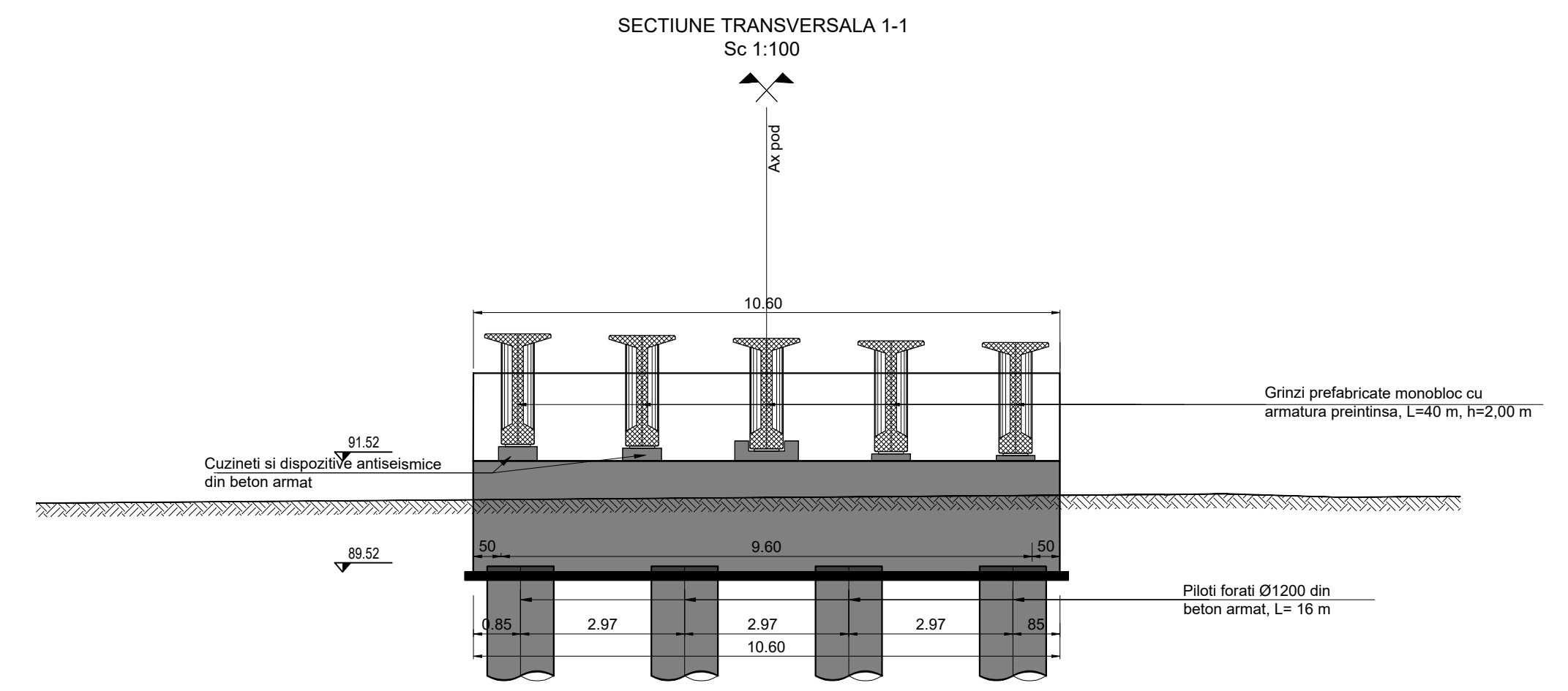
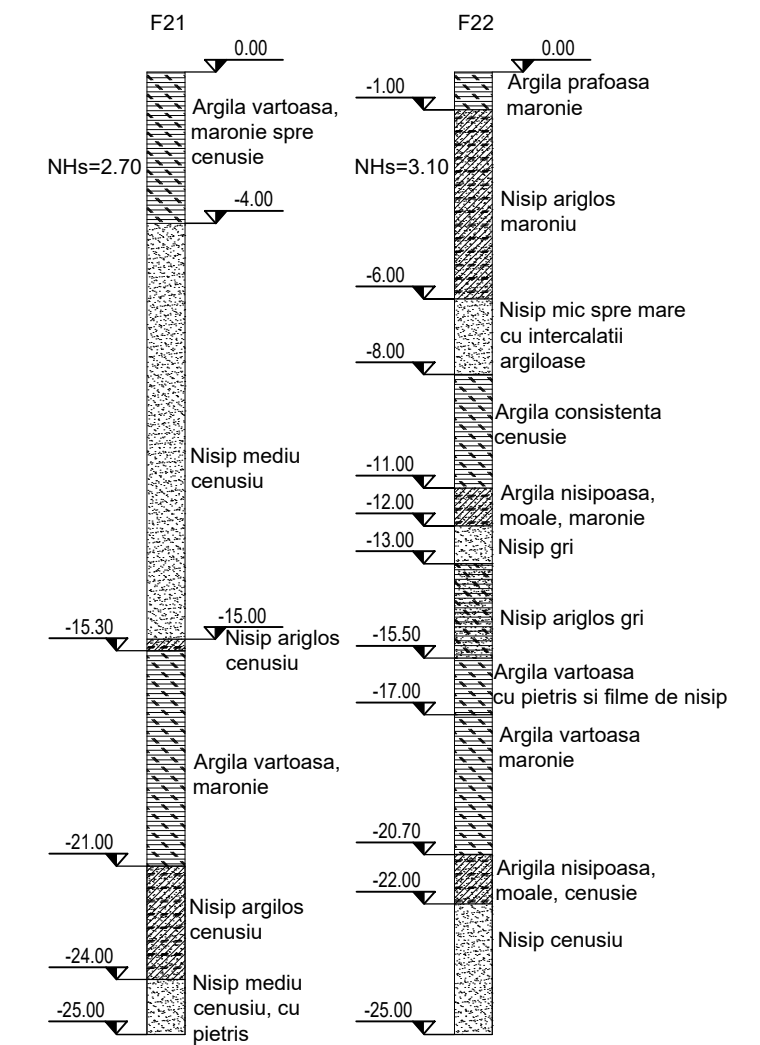
AMPLASAMENT



Convoiu de calcul: LM1, LM2(SR EN 1991-2/2005).
Caracteristicile seismice ale zonei: ag=0,2g, Tc=0,7 S
conform cod P100/1-2013, SR EN 1998-2/2006.
Categorie de importanta: C.
Exigente de verificare: A4, B2, D2.



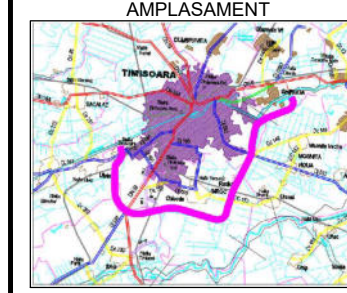
SCHEMA STATICA

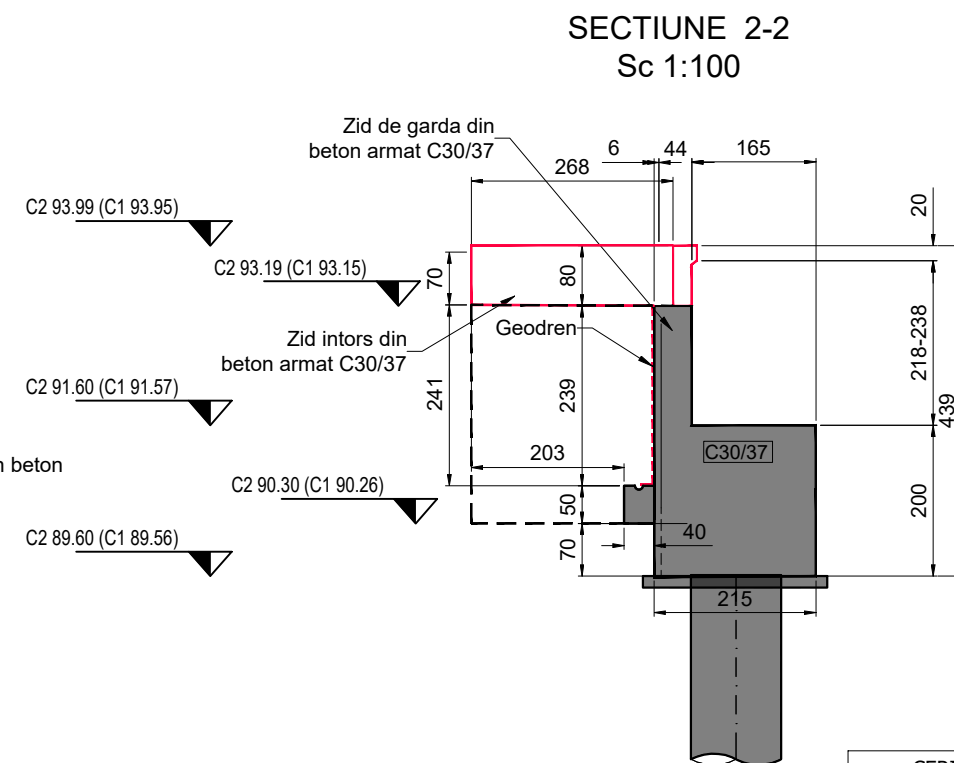
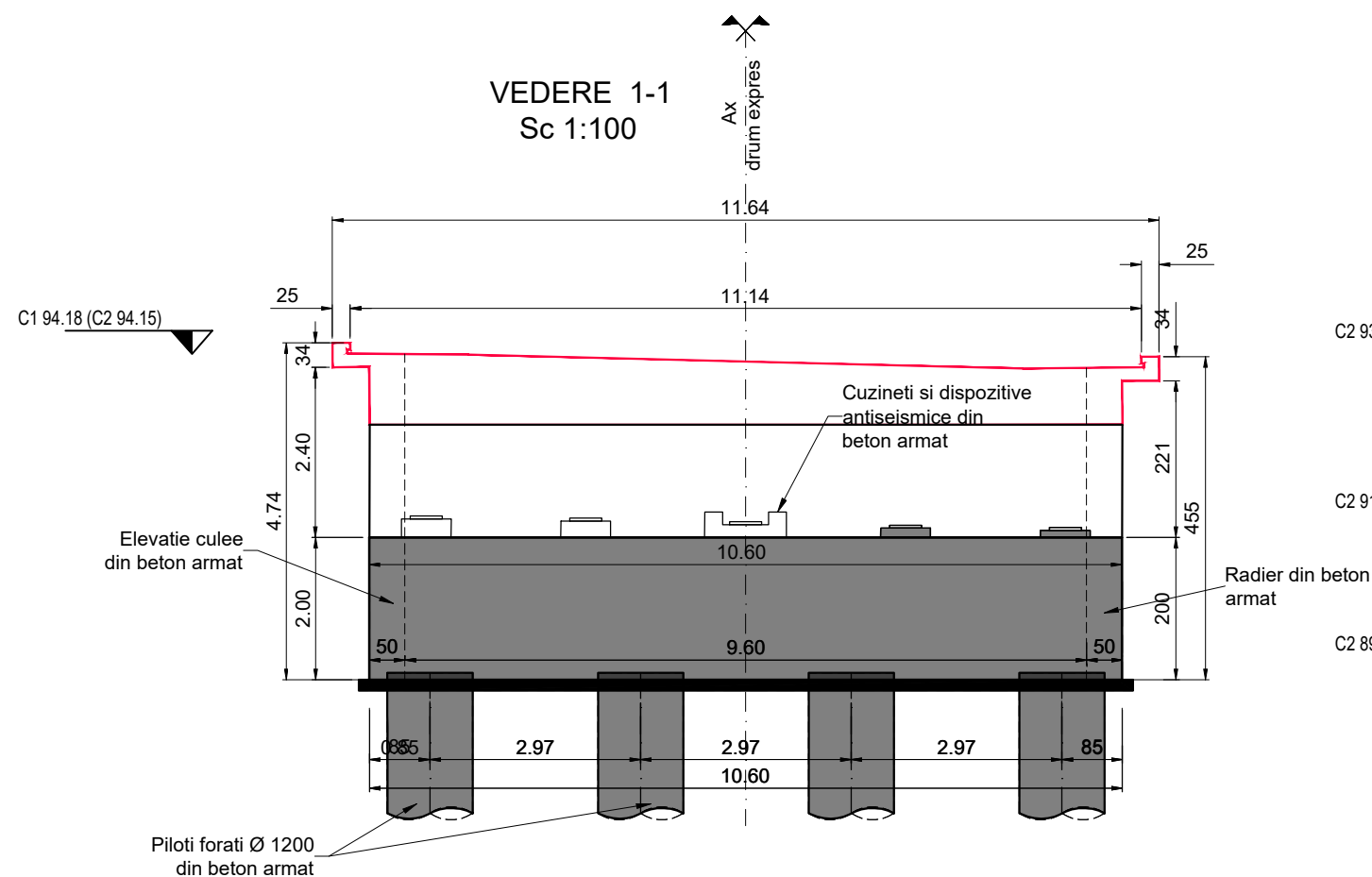
RD	RD	RM - aparat de reazem mobil
△	△	RF - aparat de reazem fix
RM	RF	RD - rost de dilatare
C1	C2	



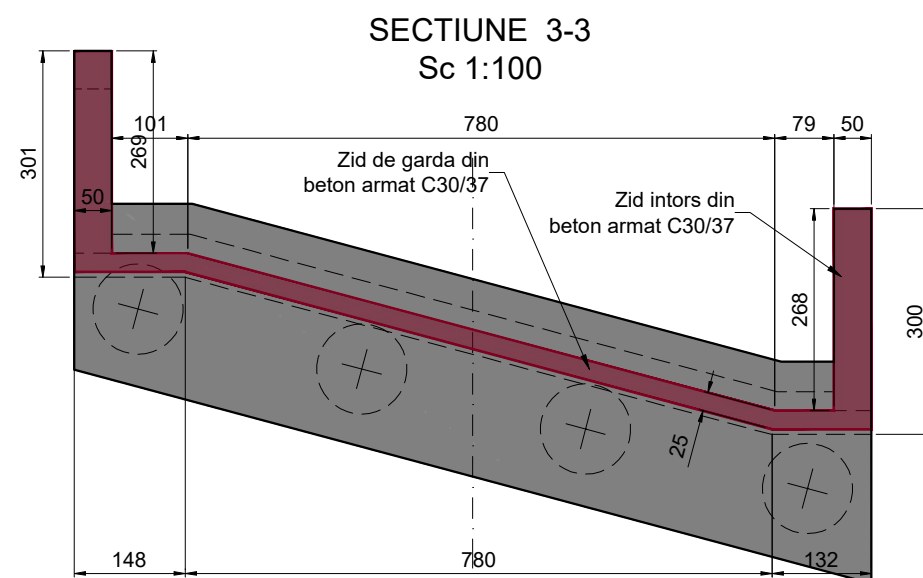
NOTA:

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

 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 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. Mihai Isac	REVIZII			DENUMIRE PLANSA POD KM 20+875 PESTE CANAL DE IRIGATII RELEVU LUCRARI EXECUTATE Scara : 1:100 1:200 NUMAR PLANSA 10036-VOTM-STR11-RZV-01
						NR. REV.	DATA	SEMN.	



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



LEGENDA:

REALIZAT-

NEREALIZAT-

NOTA:

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

**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



INVESTITOR



COMPANIA NATIONALA DE ADMINISTRARE
A INFRASTRUCTURII RUTIERE S.A.

PROIECTANT GENERAL



AMPLASAMENT



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

NUMAR CONTRACT: 550/36/09.02.2023

NUMAR PROIECT : 556

FAZA PROIECT

PROIECT TEHNIC
REST DE EXECUTAT

Data : 03.2023

VERIFICATOR TEHNIC

Manager de Proiect

ing. Silivan Moldovan

Sef Echipa Proiectare

ing. Raul Cocis

Inginer Proiectant Poduri

ing. Attila Takacs

Inginer Proiectant

ing. Mihai Isac

REVIZII

NR. REV.

DATA

SEMN.

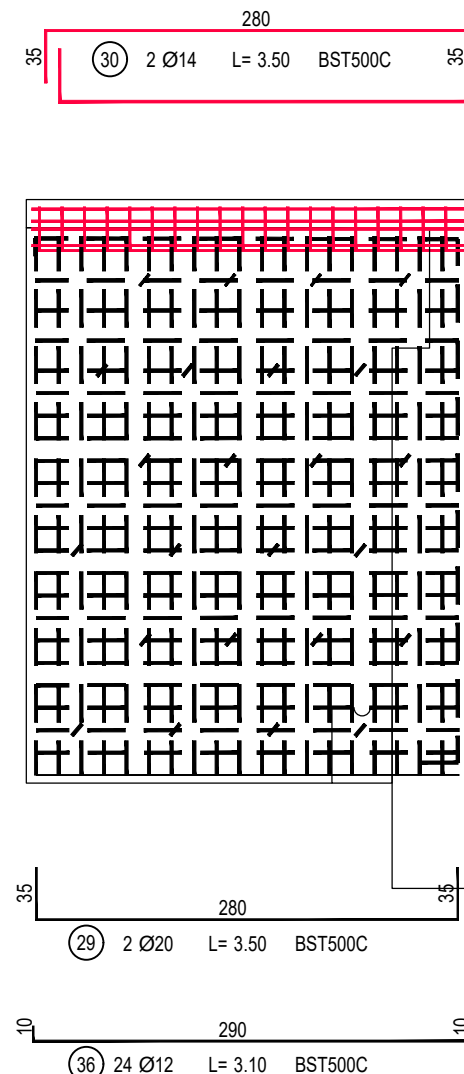
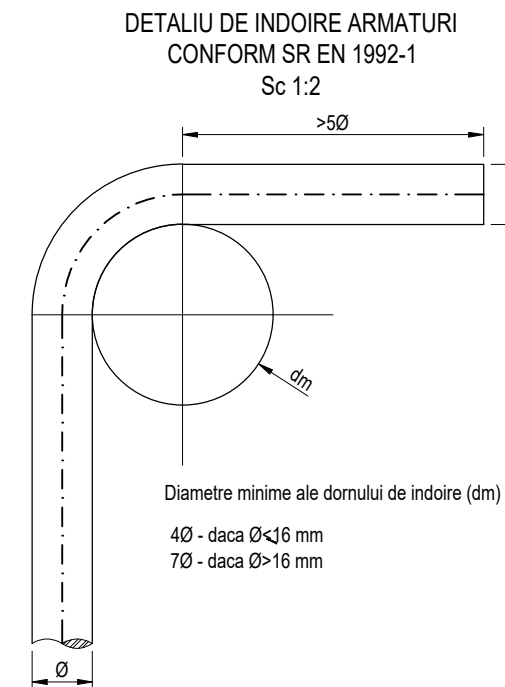
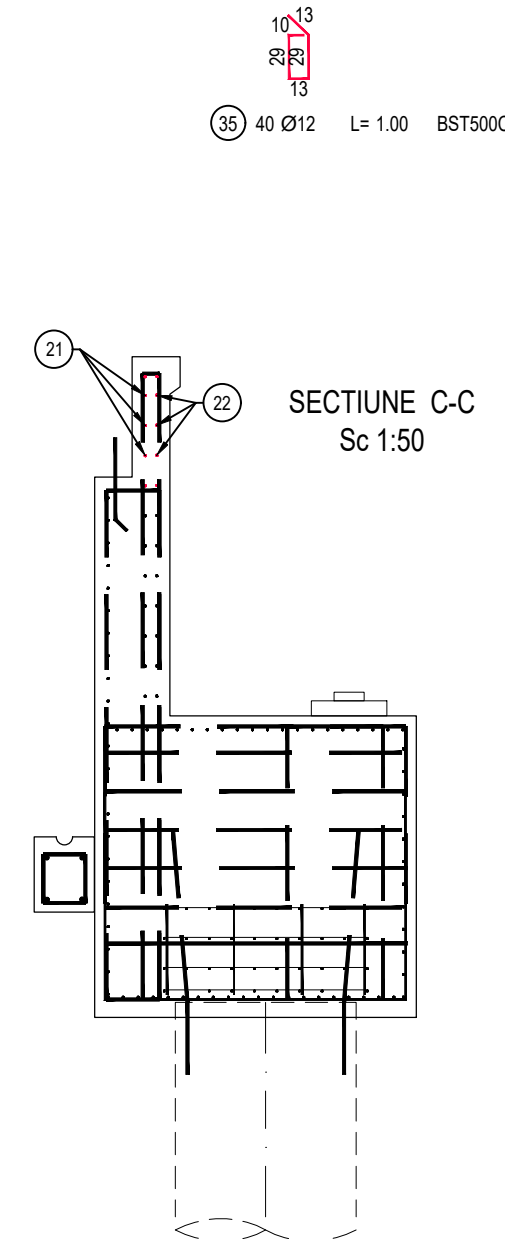
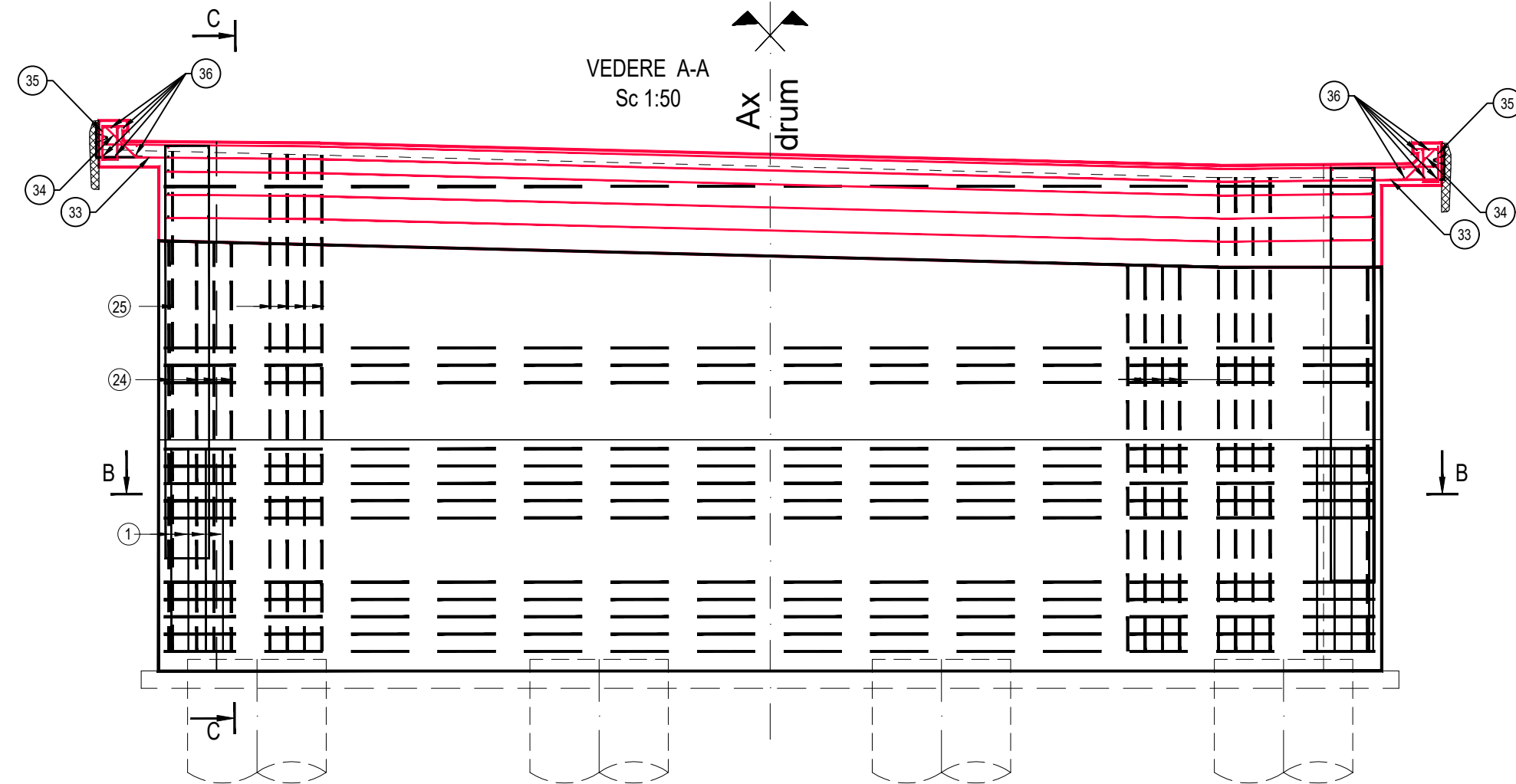
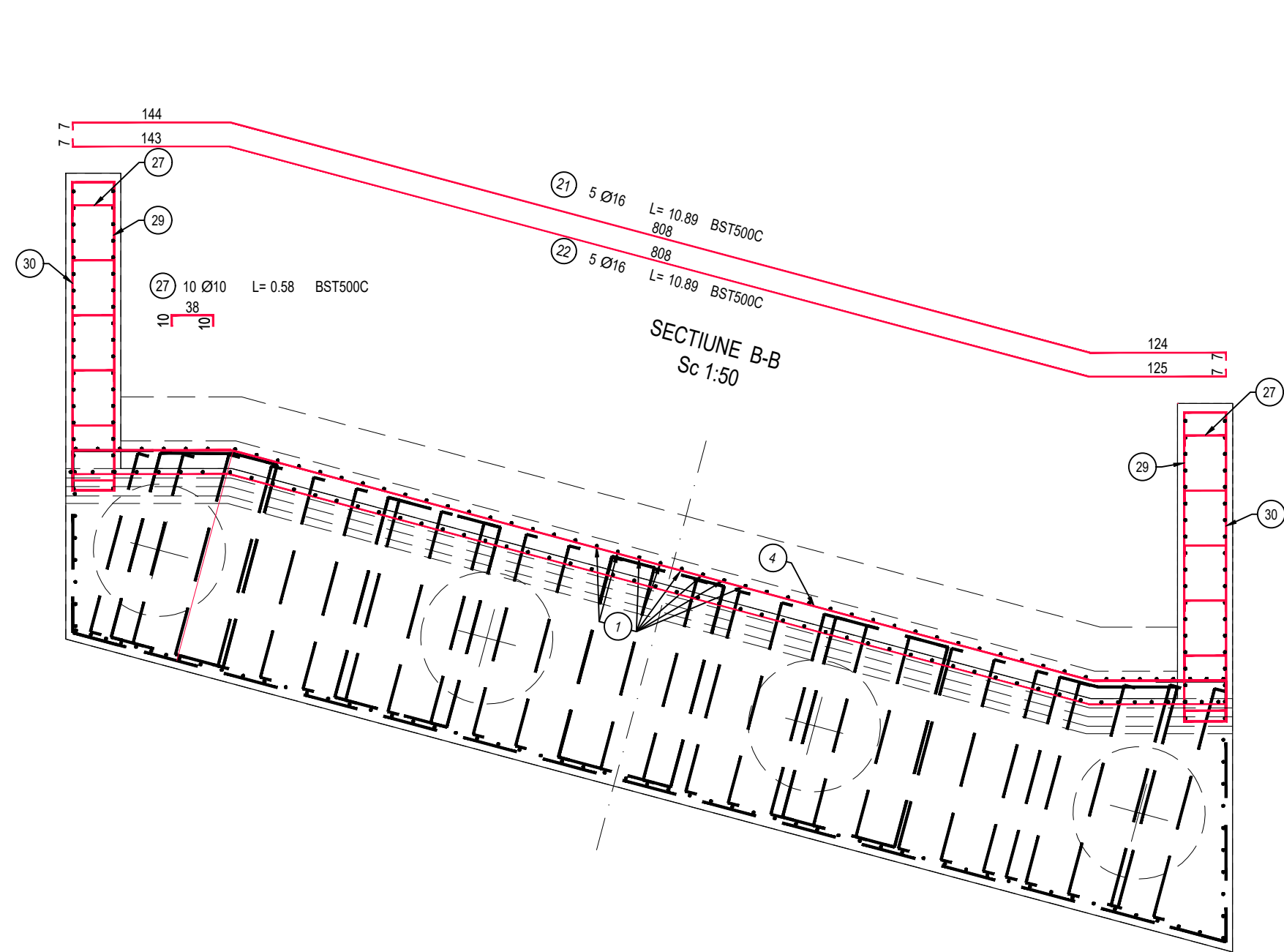
DENUMIRE PLANSA

POD KM 20+875
PESTE CANAL DE IRIGATII
PLAN COFARARE CULEI

Scara : 1:100

NUMAR PLANSA

10036-VOTM-STR11-Ci-01



MARCA	DIAMETRU	NR.BUCATI	LUNGIMI (m)					
			/bucati	/diametru				
				BST500C				
				Ø10	Ø12	Ø14	Ø16	Ø20
21	16	5	10,89				54,45	
22	16	5	10,89				54,45	
27	10	10	0,58	5,80				
29	20	2	3,50					7,00
30	14	2	3,50			7,00		
33	12	40	2,36		94,40			
34	12	40	0,57		22,80			
35	12	40	1,00		40,00			
36	12	24	3,10		74,40			
LUNGIMI TOTALE(m)				5,80	231,60	7,00	108,90	7,00
MASA	/m2			0,617	0,889	1,210	1,580	2,469
	/diamentru			3,58	205,88	8,47	172,10	17,29
	totala					407,31		

LEGENDA:

REALIZAT-

NEREALIZAT-

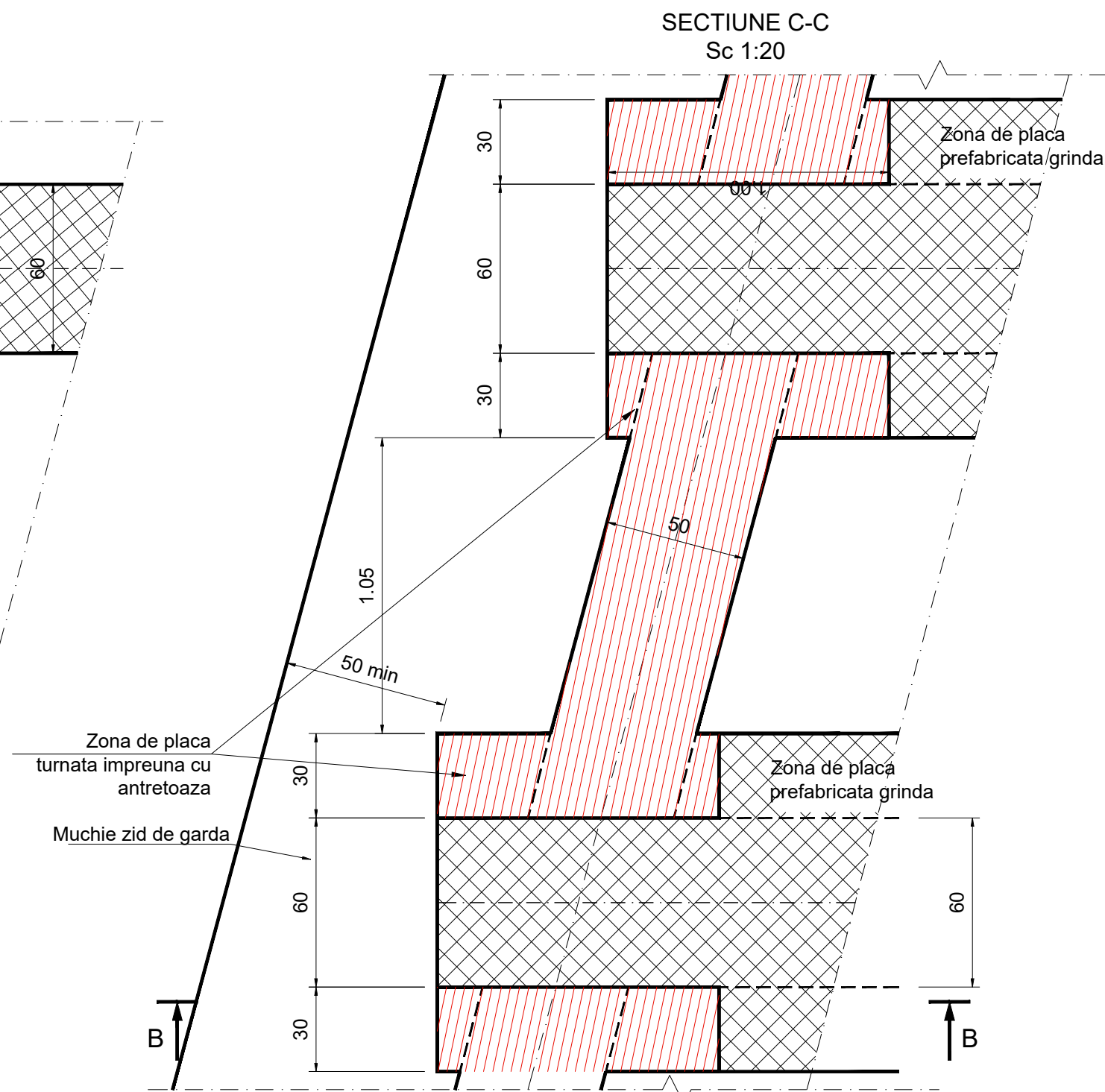
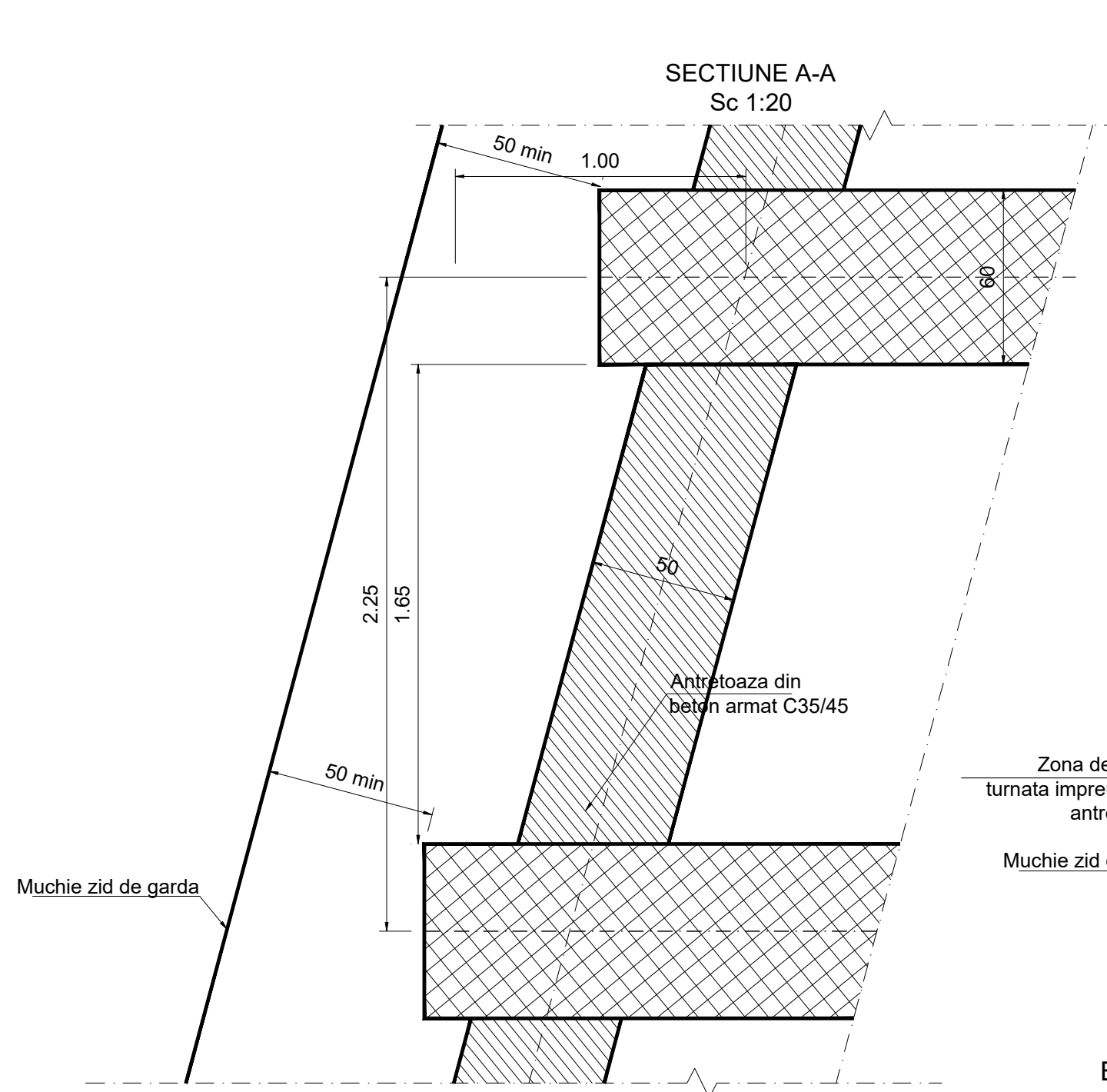
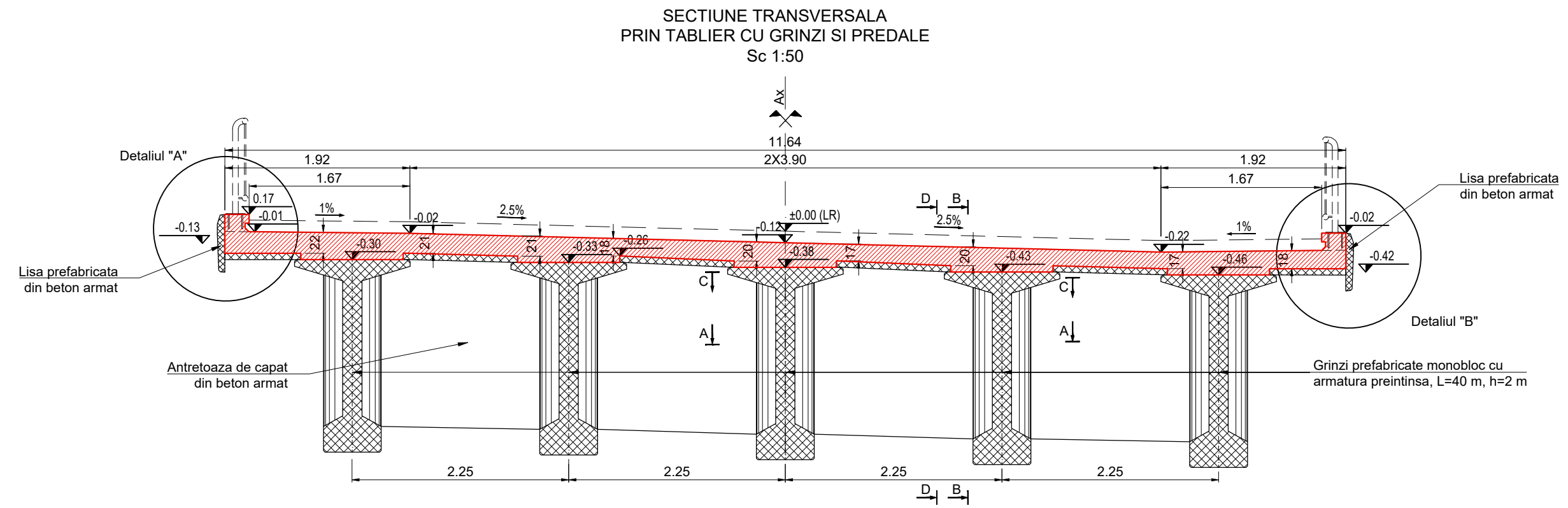
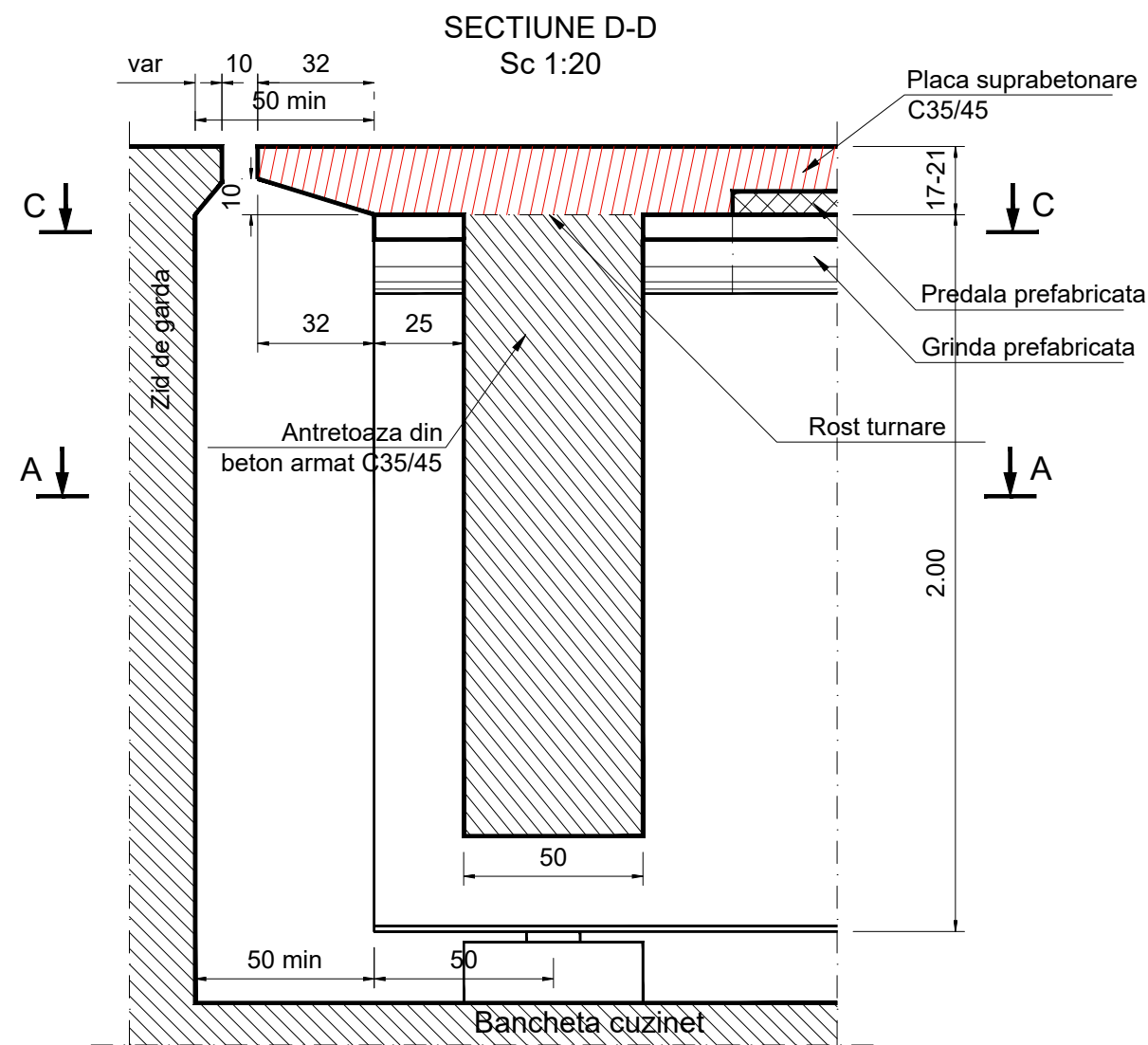
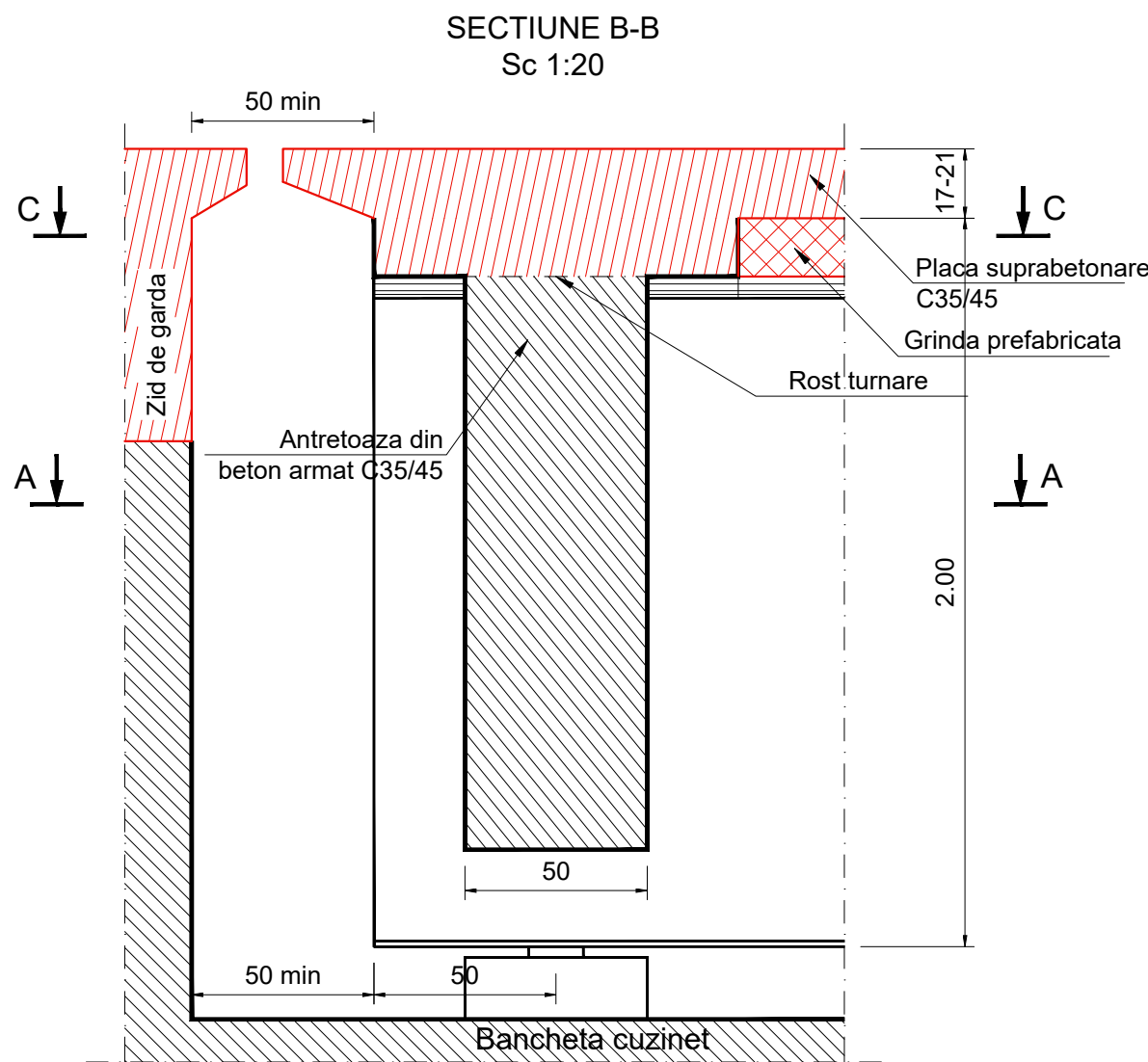
NOTA:

- 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.

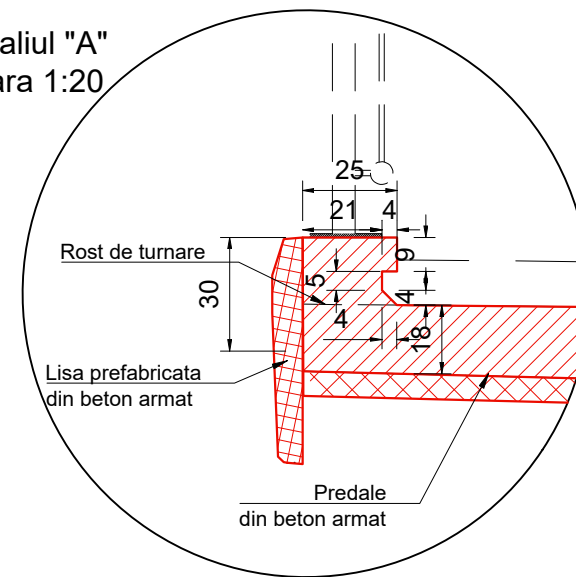


CANTITATEA TOTALA DE ARMATURA				
Nr.crt.	Element	Nr. elemente asemenea	kg / element	TOTAL kg / element
1	GRINDA RADIER	2	407.31000	814.62
CANTITATEA TOTALA / STRUCTURA				815

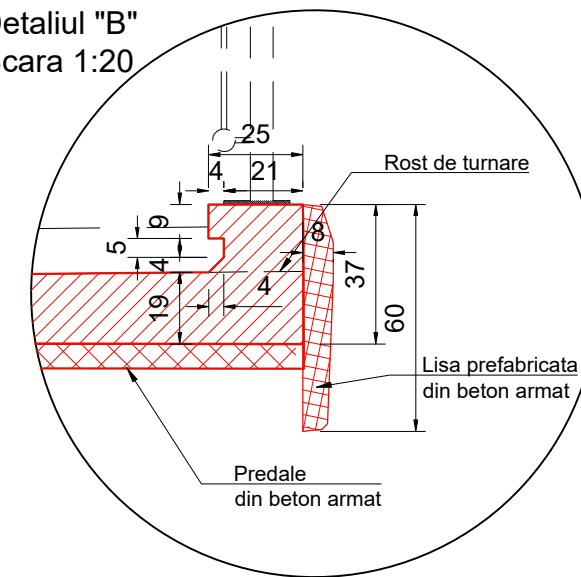
INVESTITOR COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE SA	PROIECTANT GENERAL D P CONSULT S.A.	AMPLASAMENT 	DENUMIRE PROIECT PROIECTARE SI EXECUTIE "VARIANTA DE OCOLIRE TIMISOARA SUD" ELABORARE PROIECT TEHNIC REST DE EXECUTAT NUMAR CONTRACT : 550/36/09.02.2023 NUMAR PROIECT : 556	FAZA 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. Mihai Isac	REVIZII			DENUMIRE PLANSA POD KM 20+875 PESTE CANAL DE IRIGATII PLAN ARMARE RADIER SI ELEVATIE Scara : 1:2 1:50 NUMAR PLANSA 10036-VOTM-STR11-AI-02
						NR. REV.	DATA	SEMN.	



Detaliul "A"
Scara 1:20



Detaliul "B"
Scara 1:20



SECTIUNE LONGITUDINALA
ZONA DE CAPAT DE PE CULEI
SCARA 1:20



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




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

CERINTE DE CALITATE
PLACA DE SUPRABETONARE
Beton: C35/45
Otel: BST500C
Clasa de expunere: XC3, XD1, XF2
Valoare max. A/C: 0.55
Dozaj min. ciment: 340 Kg/m³

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

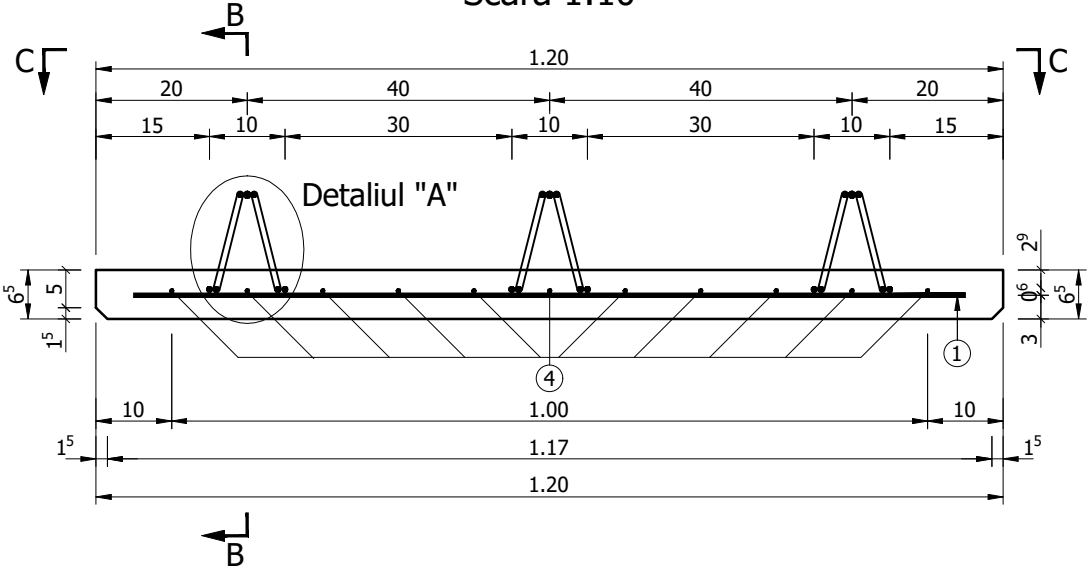
NOTA:
- Toate elementele de beton in contact cu pamantul se vor proteja
cu emulsie bituminoasa sau alte solutii de protectie anticoroziva

LEGENDA:	
REALIZAT-	
NEREALIZAT-	

<div>INVESTITOR</div> <div></div> <div>COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE S.A.</div>	<div>PROIECTANT GENERAL</div> <div></div> <div>D P CONSULT S.A.</div>	<div>AMPLASAMENT</div> <div></div>	<div>DENUMIRE PROIECT</div> <div>PROIECTARE SI EXECUTIE "VARIANTA DE OCOLIRE TIMISOARA SUD" ELABORARE PROIECT TEHNIC REST DE EXECUTAT</div>		<div>FAZA PROIECT</div> <div>PROIECT TEHNIC REST DE EXECUTAT</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>ing. Mihai Isac</div>		<div>REVIZII</div> <table><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>			NR. REV.	DATA	SEMN.										<div>DENUMIRE PLANSA</div> <div>POD KM 20+875 PESTE CANAL DE IRIGATII</div> <div>PLAN COFRAJ PLACA DE SUPRABETONARE</div> <div>Scara : 1:50 1:20</div> <div>NUMAR PLANSA</div> <div>10036-VOTM-STR11-Cs-01</div>	
			NR. REV.	DATA	SEMN.																				
NUMAR CONTRACT : 550/36/09.02.2023		Data : 03.2023																							
NUMAR PROIECT : 556		VERIFICATOR TEHNIC																							

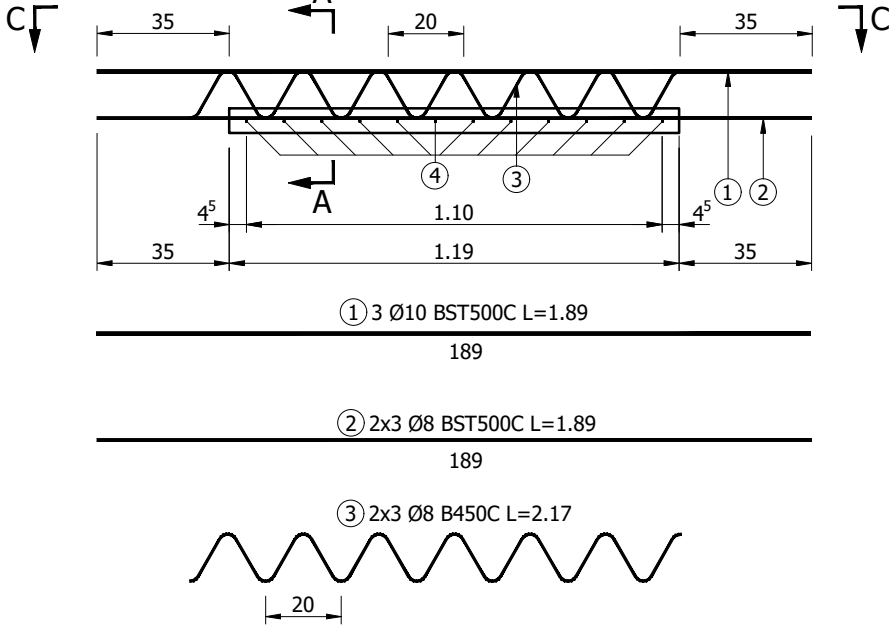
SECTIUNE TRANSVERSALA A-A

Scara 1:10



SECTIUNE LONGITUDINALA B-B

Scara 1:20



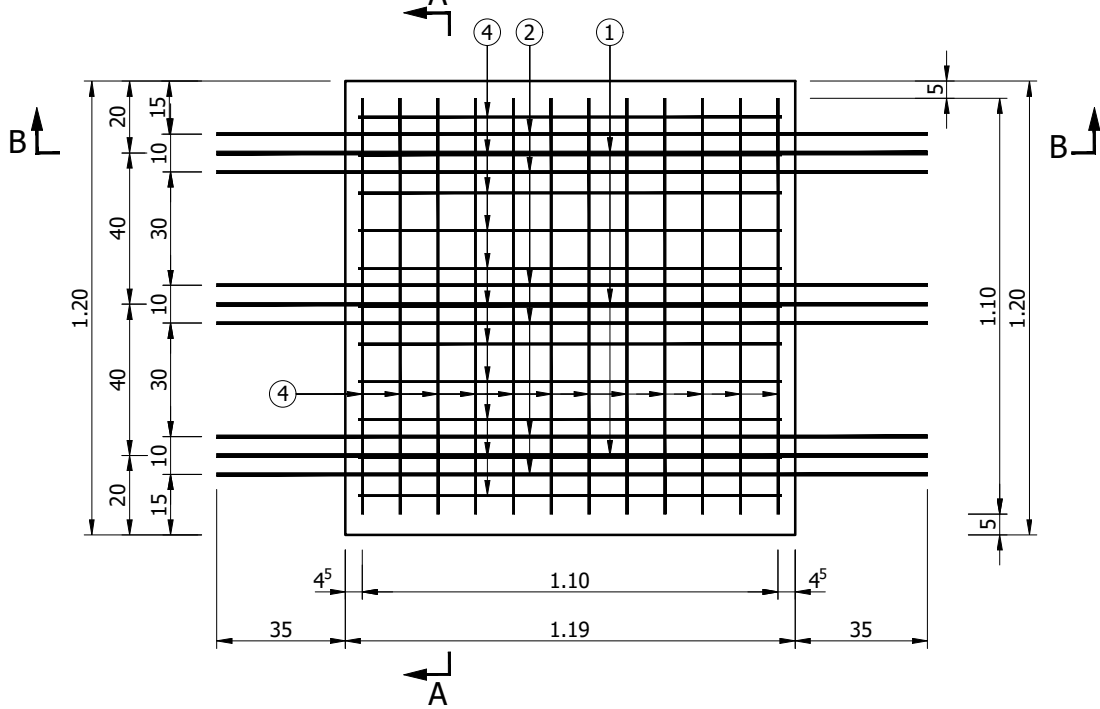
EXTRAS ARMATURA

Marca	ϕ (mm)	n (buc.)	L (m)	nxL-B450C		nxL-BST500C
				$\phi 8$	$\phi 8$	$\phi 10$
1	10	3	1.89			5.67
2	8	6	1.89		11.34	
3	8	6	2.17	13.02		
TOTAL LUNGIMI PE DIAMETRU (m)				13.02	11.34	5.67
GREUTATE PE METRU (kg/m)				0.395	0.395	0.617
GREUTATE PE DIAMETRU (kg)				5.143	4.479	3.498
GREUTATE PE TIP DE OTEL (kg)				5.14	7.98	
GREUTATE TOTALA (kg)				13.12		



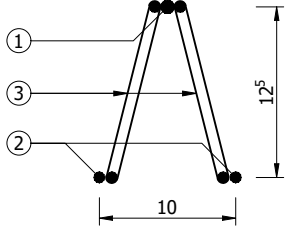
VEDERE PLANA C-C

Scara 1:20



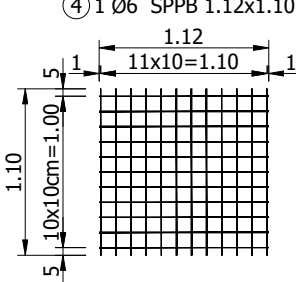
DETALIUL "A"

Scara 1:5



PLASA SUDATA

Scara 1:50

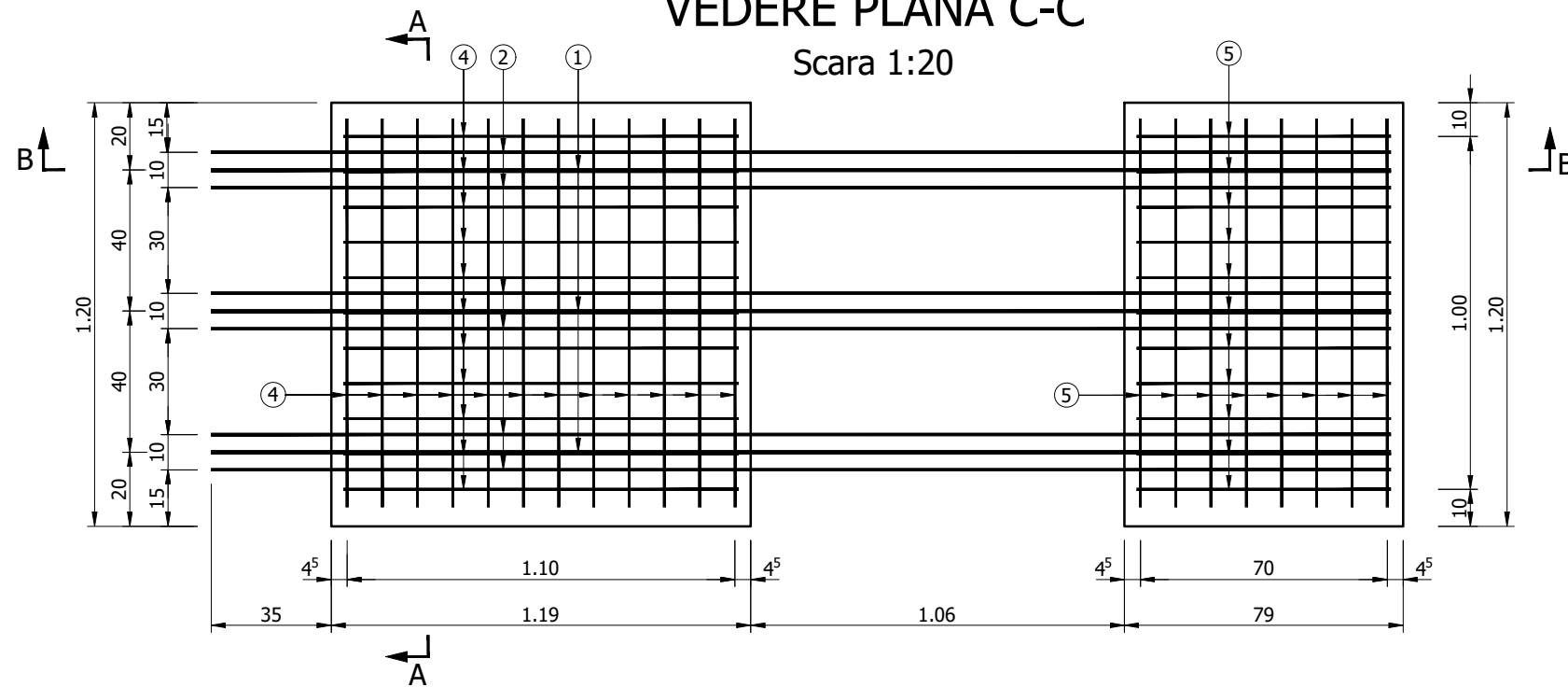


EXTRAS PLASA SUDATA

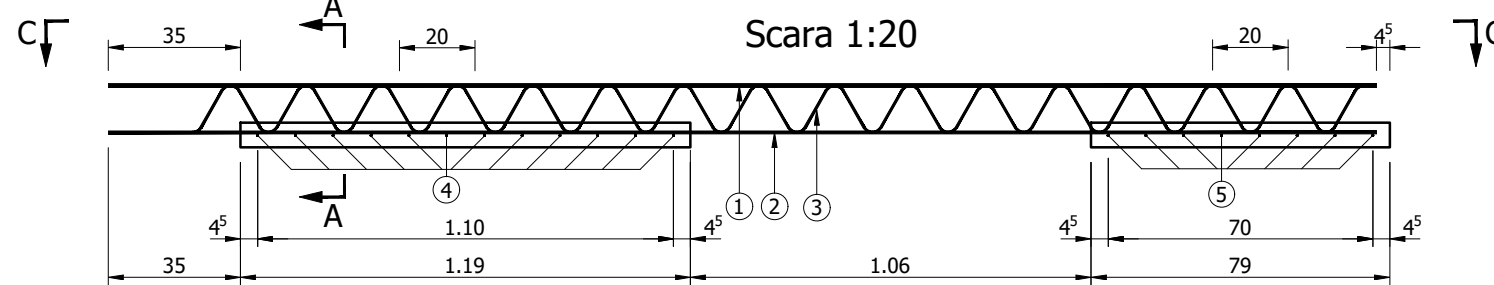
Marca	ϕ (mm)	n (buc.)	l (m)	L (m)	S (m ²)	SPPB
						$\phi 6$
4	6	1	1.10	1.12	1.23	25.52
TOTAL LUNGIMI PE DIAMETRU (m)						25.52
GREUTATE PE METRU (kg/m)						0.222
GREUTATE PE DIAMETRU (kg)						5.665
GREUTATE PE TIP DE OTEL (kg)						5.67
GREUTATE TOTALA (kg)						5.67

INVESTITOR	PROIECTANT GENERAL	AMPLASAMENT	DENUMIRE PROIECT PROIECTARE SI EXECUTIE "VARIANTA DE OCOLIRE TIMISOARA SUD" ELABORARE PROIECT TEHNIC REST DE EXECUTAT	FAZA PROIECT PROIECT TEHNIC REST DE EXECUTAT	Manager de Proiect ing. Silvan Moldovan Sef Echipa Proiectare ing. Raul Cocis Inginer Proiectant Poduri ing. Attila Takacs Inginer Proiectant ing. Mihai Isac	REVIZII			DENUMIRE PLANSA POD KM 20+875 PESTE CANAL DE IRIGATII PLAN ARMARE PREDALA PREFABRICATA 1.19x1.20 Scara : 1:50 1:20 1:10 1:5 NUMAR PLANSA 10036-VOTM-STR11-As-01
						NR. REV.	DATA	SEM.N.	
COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE S.A.	THE WAY TO DARE BEYOND THE LIMITS CONSULT D.P. CONSULT S.A.		NUMAR CONTRACT: 550/36/09.02.2023 NUMAR PROIECT : 556	Data : 03.2023 VERIFICATOR TEHNIC					

Scara 1:20



Scara 1:20



336

336

^

n	1	nyl-B450C
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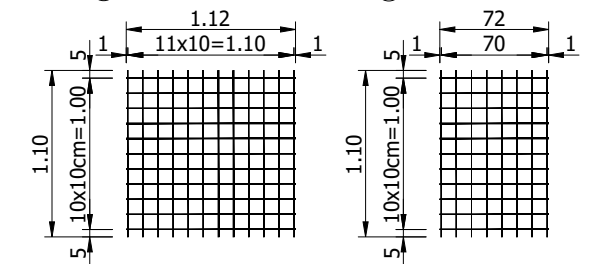
Marca	φ {mm}	n {buc.}	L {m}	nxL-B450C	nxL-BST500C	
				φ8	φ8	φ10
1	10	3	3.36			10.08
2	8	6	3.36		20.16	
3	8	6	5.17	31.02		
TOTAL LUNGIMI PE DIAMETRU {m}				31.02	20.16	10.08
GREUTATE PE METRU {kg/m}				0.395	0.395	0.617
GREUTATE PE DIAMETRU {kg}				12.253	7.963	6.219
GREUTATE PE TIP DE OTEL {kg}				12.25	14.18	
GREUTATE TOTALA {kg}					26.45	

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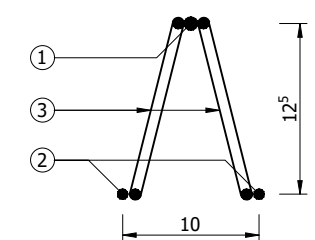
Marca	ϕ (mm)	n (buc.)	l (m)	L (m)	S (m ²)	SPPB
						$\phi 6$
4	6	1	1.10	1.12	1.23	25.52
5	6	1	1.10	0.72	0.79	16.72
TOTAL LUNGIMII PE DIAMETRU (m)						42.24
GREUTATE PE METRU (kg/m)						0.222
GREUTATE PE DIAMETRU (kg)						9.377
GREUTATE PE TIP DE OTEL (kg)						9.38
GREUTATE TOTALA (kg)						9.38

Scara 1:50

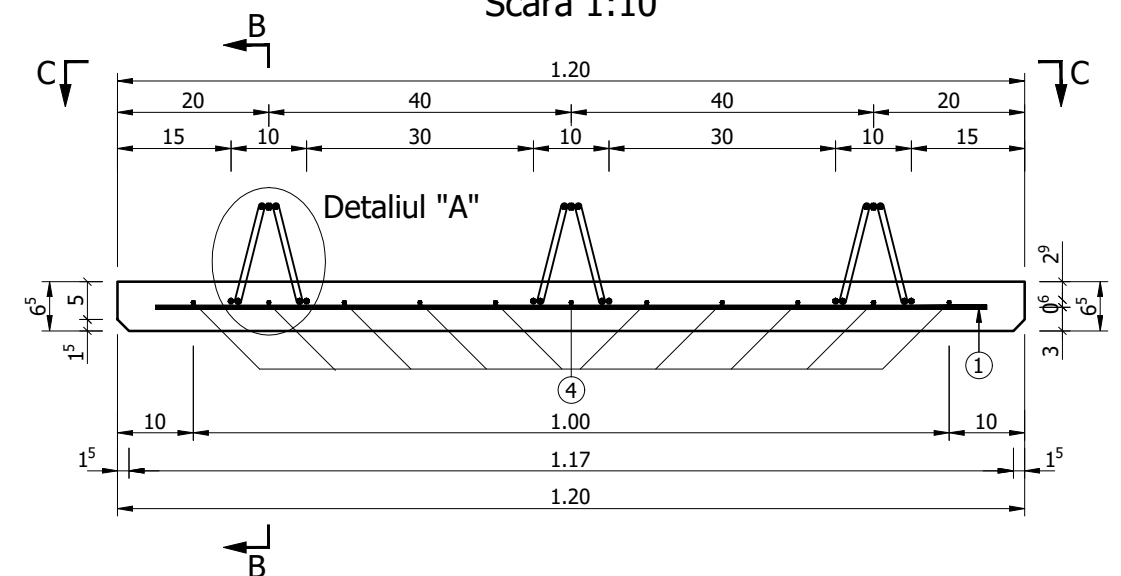
⑤ 1 Ø6 SPPB 1.10x0.72



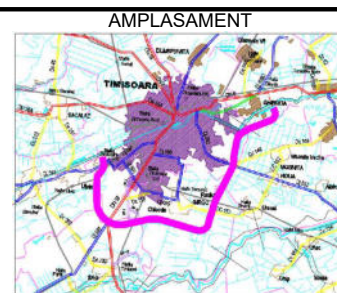
Scara 1:5



Scara 1:10



PROIECTANT GENERAL



NUMAR PROIECT : 556

Data : 03.2023

VERIFICATOR TEHNIC

VERIFICATOR TEHNIC

VERIFICATOR TEHNIC

ing. Silivan Moldovan

Inginer Proiectant Podur
ing. Attila Takacs

Inginer Proiectant
ing. Mihai Isac

NR. REV.

DATA

DATA

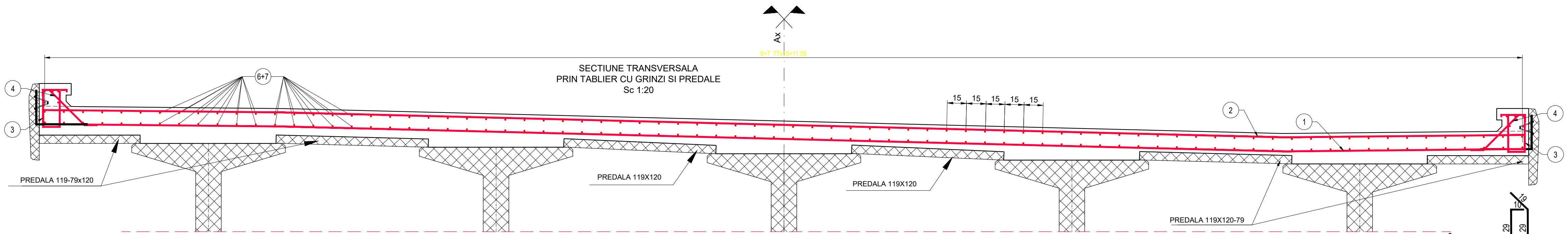
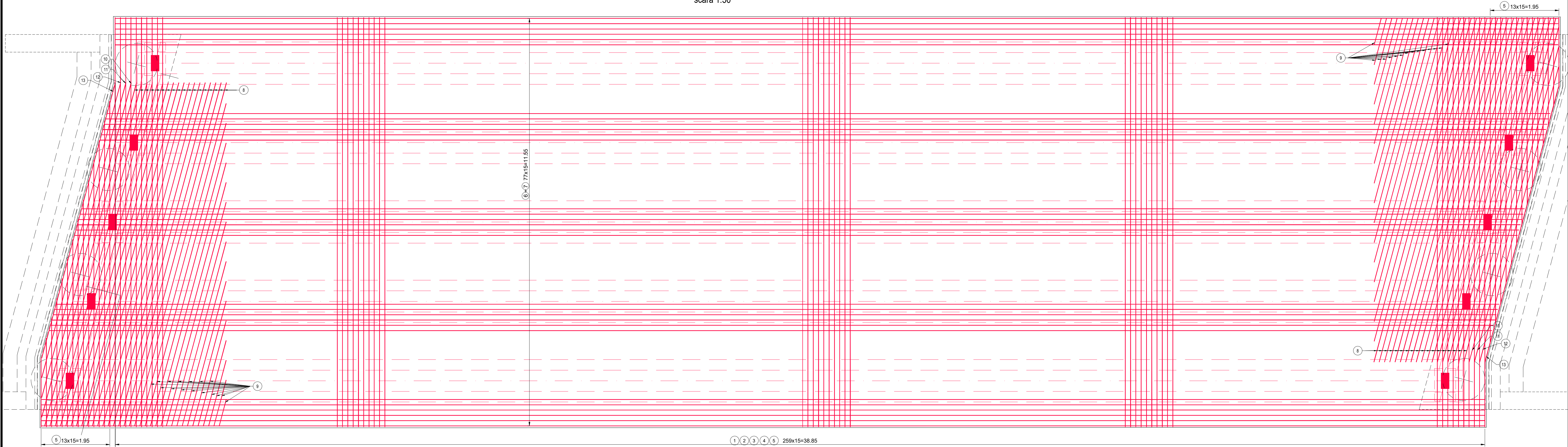
PLAN ARMARE PREDALA
 PREFABRICATA
 1.19x1.20 + 0.79x1.20

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

NUMAR PLANSA

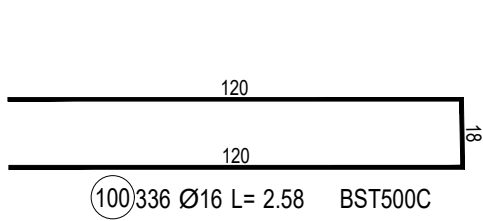
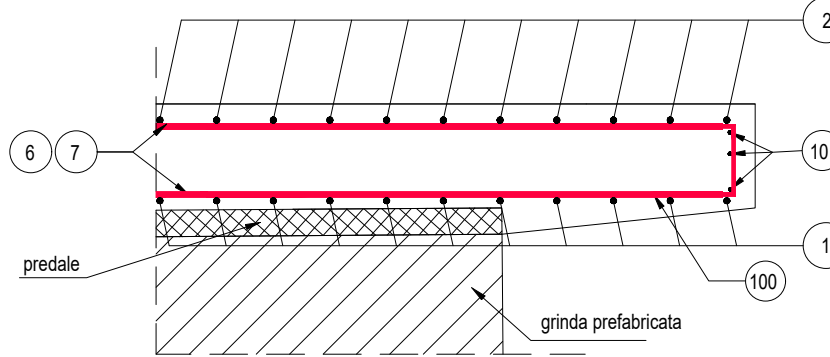
10036-VOTM-STR11-As-02

DISPUNEREA BARELOR IN PLAN
scara 1:50



MARKA	DIAMETRU	NR BUCATI	LUNGIMI [m]
1	16	280	11.78
2	12	290	11.78
3	12	572	1.00
4	12	572	0.59
5	16	56	5.80
6	12	168	12.00
7	12	168	7.32
8	12	72	10.28
9	12	64	5.95
10	12	4	10.01
11	12	4	9.43
12	12	4	8.85
13	12	4	8.27
LUNGIMI TOTALE[m]			8456.44
MASA [kg]			12870.99

DETALIUL ARMARE ZONE DE CAPAT
Scara 1:20



MARKA	DIAMETRU	NR BUCATI	LUNGIMI [m]
100	16	336	2.58
101	16	6	11.58
LUNGIMI TOTALE[m]			936.36
MASA [kg]			1479.77

DISPUNEREA BARELOR LONGITUDINALE MARCA 6 SI 7
Scara 1:100

Lungime deschidere curenta L=41.02



LEGENDA:
REALIZAT-
NEREALIZAT-

CERINTE DE CALITATE
PLACA DE SUPRABETONARE
Beton: C35/45
Otel: BST500C
Clasa de expunere: XC3, XD1, XF2
Valoare max. A/C: 0.55
Dozaj min. ciment: 340 Kg/m³

NOTA:
- Acoperirea minima la partea superioara a placi este 3.5cm,
dar 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
nepotriviri, erori sau neclaritati pentru a face corectile sau
clarificarile necesare.

POZITIE	NR. STRUCTURA	DESCHIDERI CURENTE DE 40M	KG/ELEMENT	TOTAL / SUPRABETONARE [kg]
20+875	11	1	12870.89	1479.77

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

NUMAR CONTRACT: 650/30/09.02.2023

NUMAR PROIECT: 556

FAZA PROIECT

PROIECT TEHNIC

REST DE EXECUTAT

Data: 03.2023

VERIFICATOR TEHNIC

Manager de Proiect

Ing. Silvan Moldovan

Sef Echipa Protectare

Ing. Raul Codas

Inginer Protectant Poduri

Ing. Attila Takacs

Inginer Protectant

Ing. Mihai Isac

REVISII

NR. REV.	DATA	SEMN.

DENUMIRE PLANSA

POD KM 20+875 PESTE CANAL DE IRIGATII

PLAN ARMARE PLACA DE SUPRABETONARE

Scara: 1:100 / 1:50 / 1:20

NUMAR PLANSA

10036-VOTM-STR11-A8-03