

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
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: 0.55⁸
Dozaj min. ciment: 300 Kg/m³

**CERINTE DE CALITATE
ELEVATII**

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

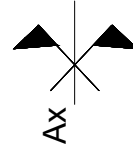
**CERINTE DE CALITATE
LISA DE PARAPET**

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

			DENUMIRE PROIECT PROIECTARE SI EXECUTIE "VARIANTA DE OCOLIRE TIMISOARA SUD" ELABORARE PROIECT TEHNIC REST DE EXECUTAT	FAZA PROIECT PROIECT TEHNIC REST DE EXECUTAT	Manager de Proiect ing. Silivan Moldovan Sef Echipa Proiectare ing. Raul Cocis Inginer Proiectant Poduri ing. Attila Takacs Inginer Proiectant ing. Tudor Hoda	REVIZII			DENUMIRE PLANSA PASAJ KM 7+156 PESTE CF 124 TIMISOARA NORD-VOITENI PLAN COFRAJ CULEE Scara : 1:100 , 1:50 NUMAR PLANSA 10036-VOTM-STR05-CI-01
						NR. REV.	DATA	SEM.N.	

SECTIUNE TRANSVERSALA
PRIN TABLIER CU GRINZI SI PREDALE

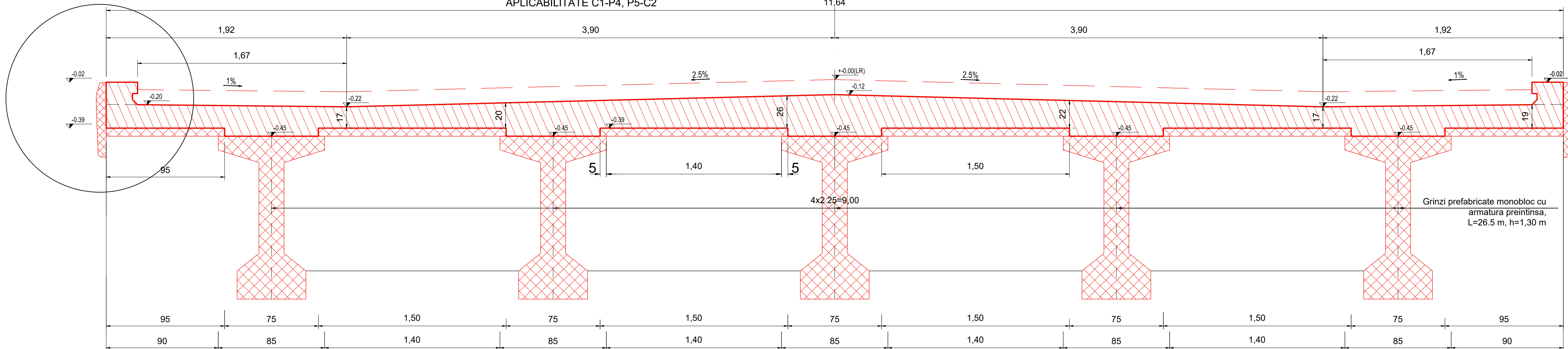
Sc 1:20



Detaliul "A"

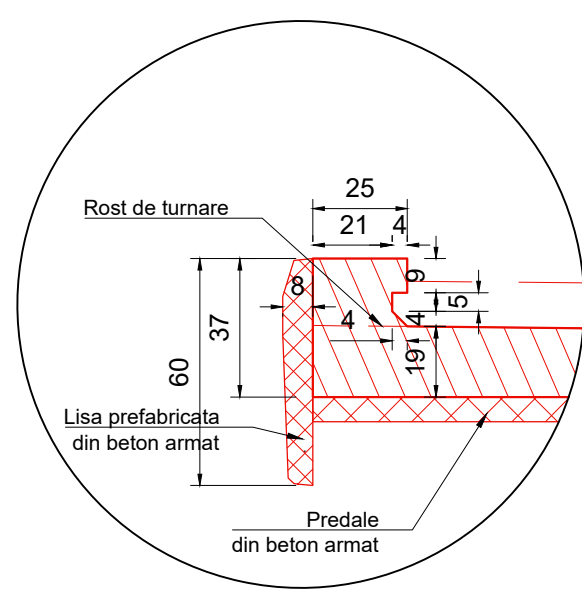
APLICABILITATE C1-P4, P5-C2

11.64



CERINTE DE CALITATE
PLACA DE SUPRABETONARE
Beton: C35/45
Otel: B500C
Clasa de expunere: XC3, XD1, XF2
Valoare max. A/C: 0.55%
Dozaj min. ciment: 340 kg/m³

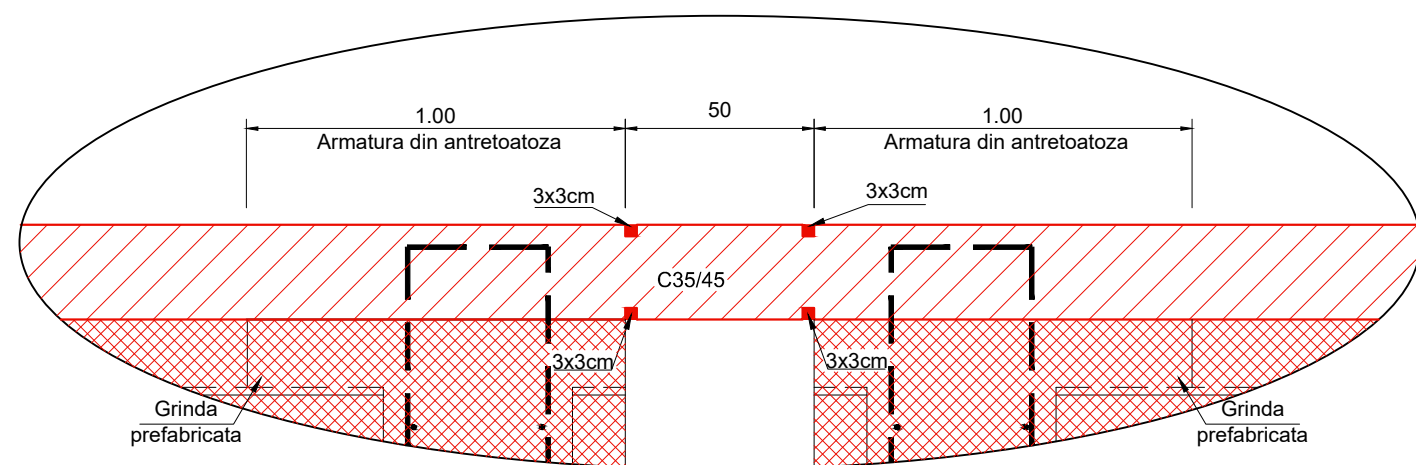
Detaliul "A"
Scara 1:20



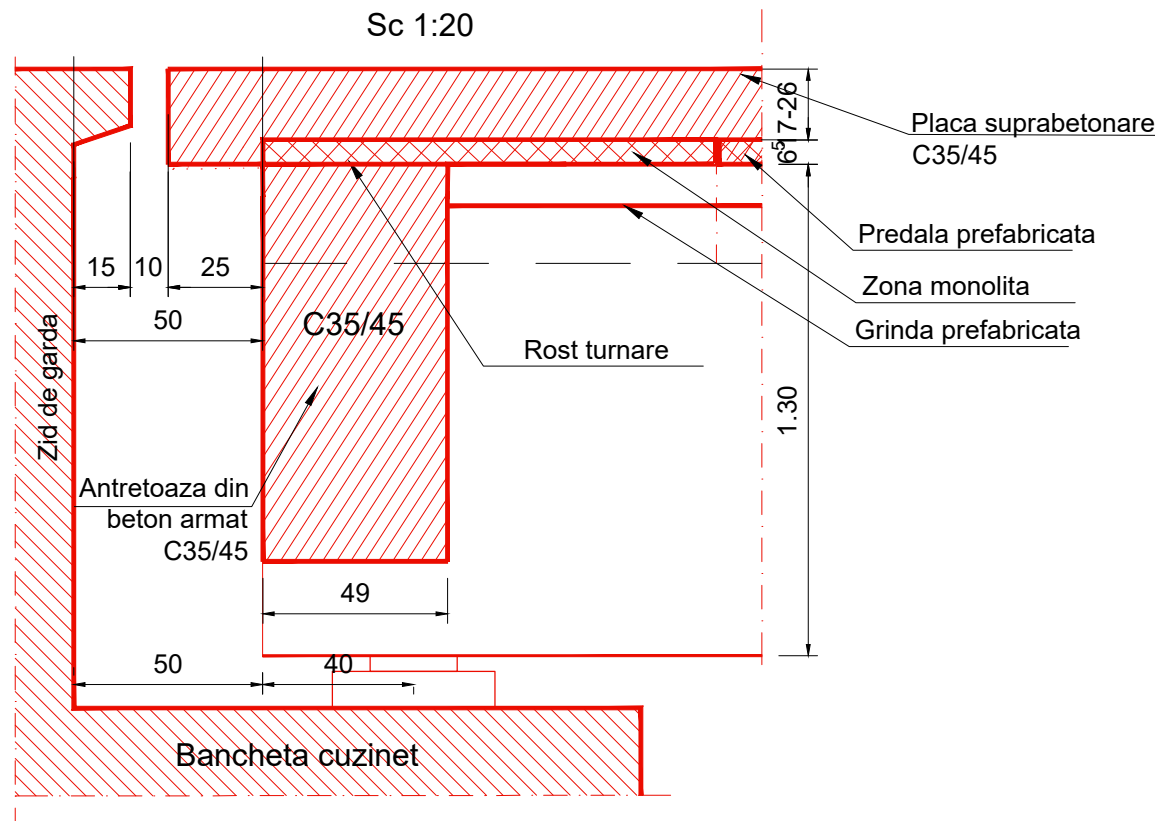
Detaliul "C"

Scara 1:20

SECTIUNE LONGITUDINALA
ZONA DE REZEMARE DE PE PILE



SECTIUNE A-A
Sc 1:20

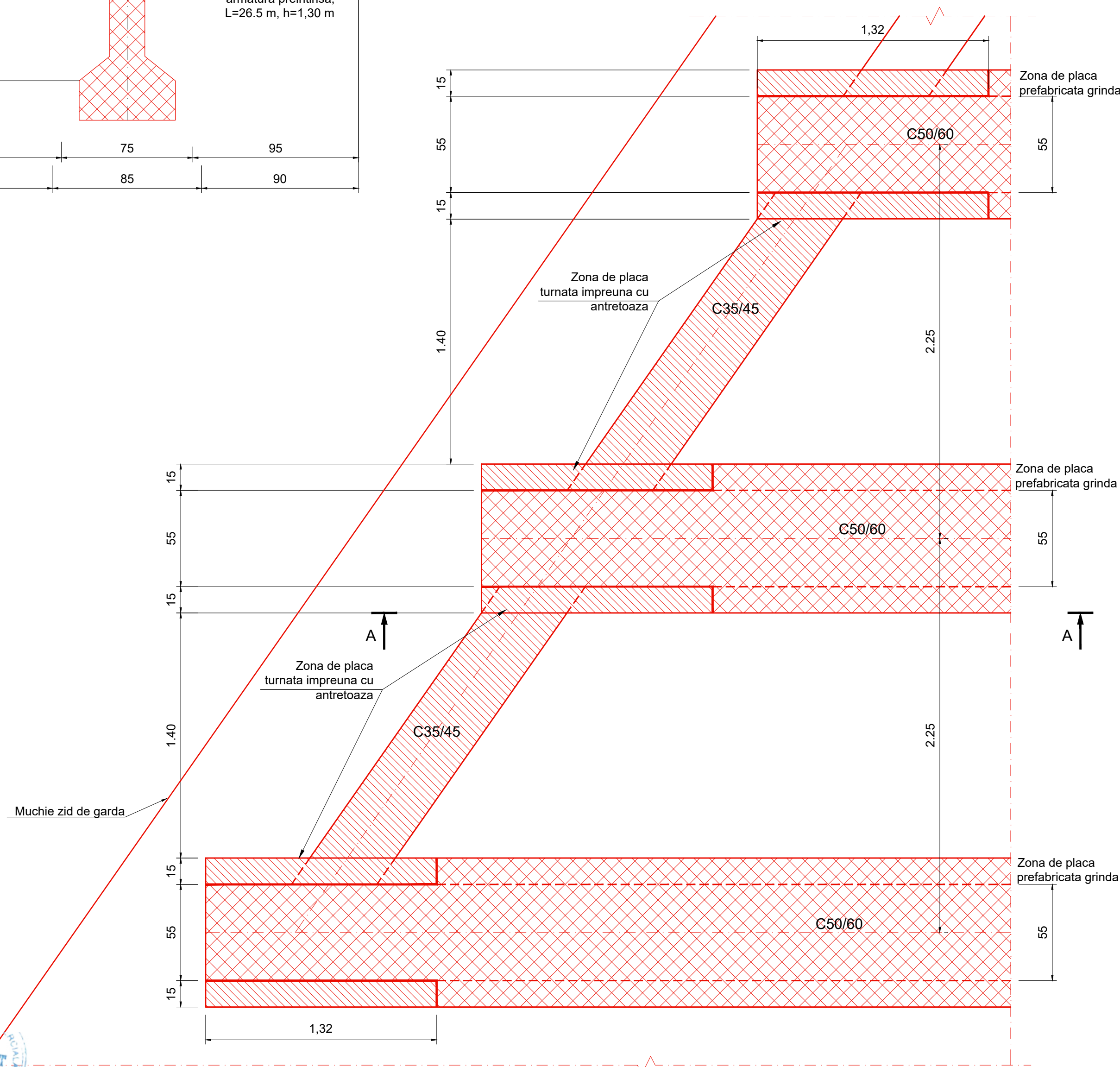





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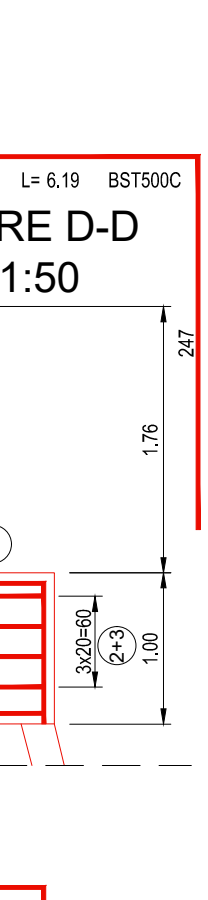
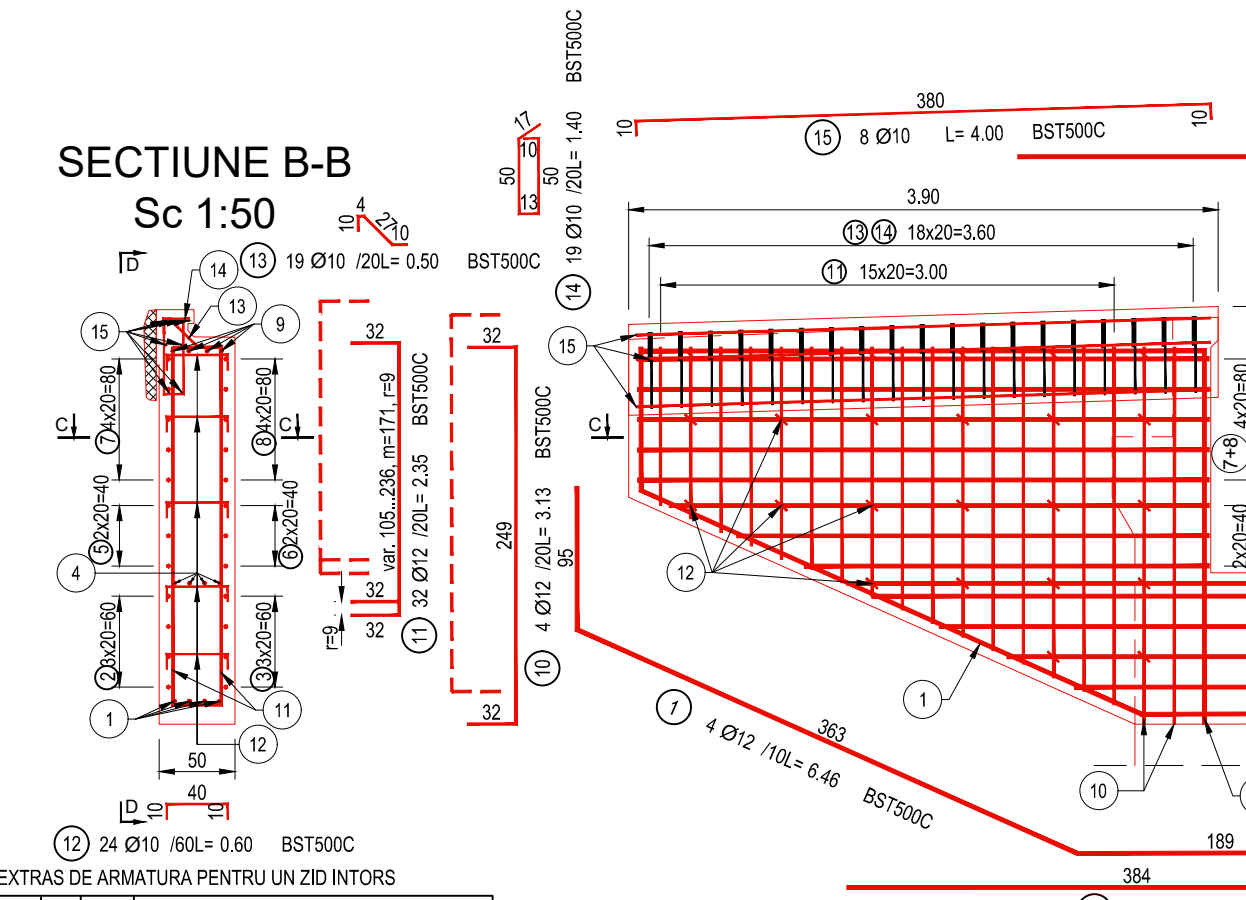
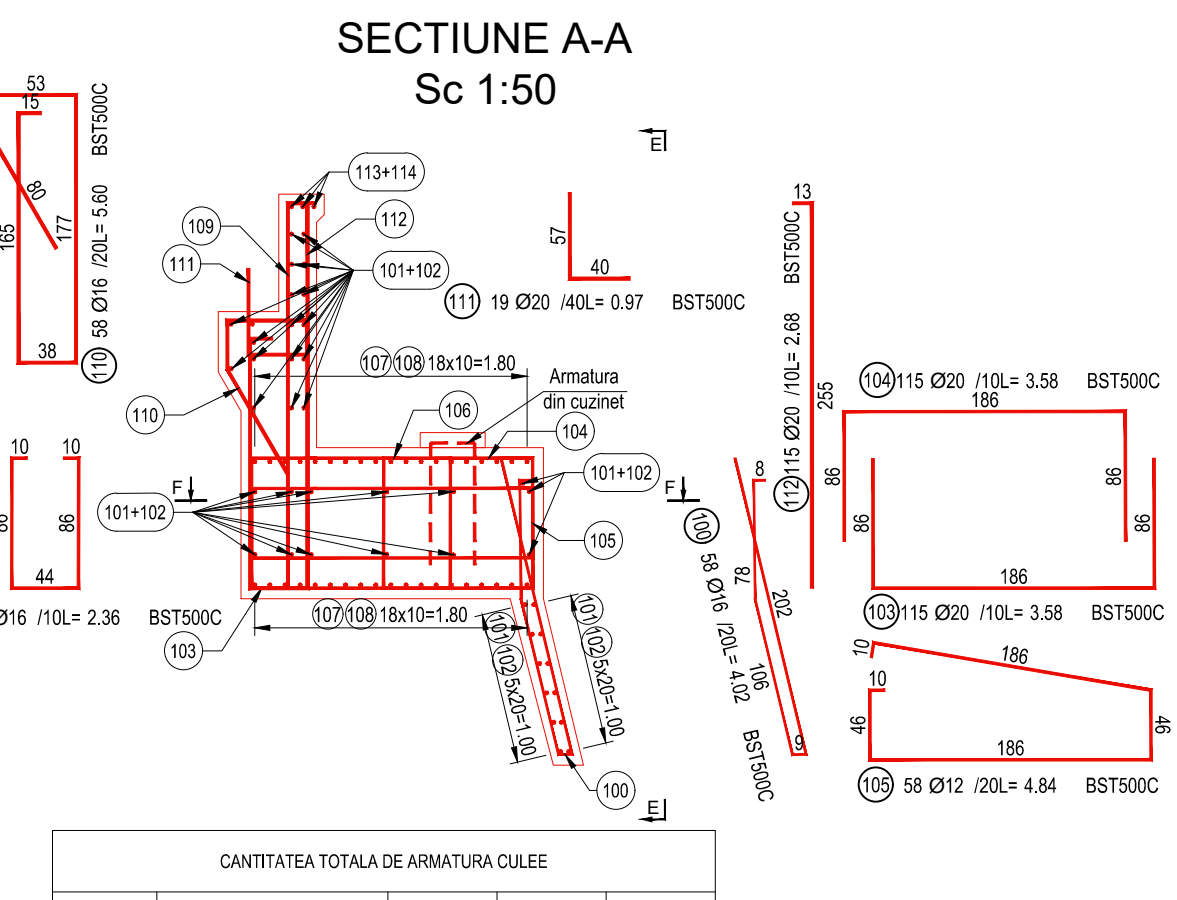
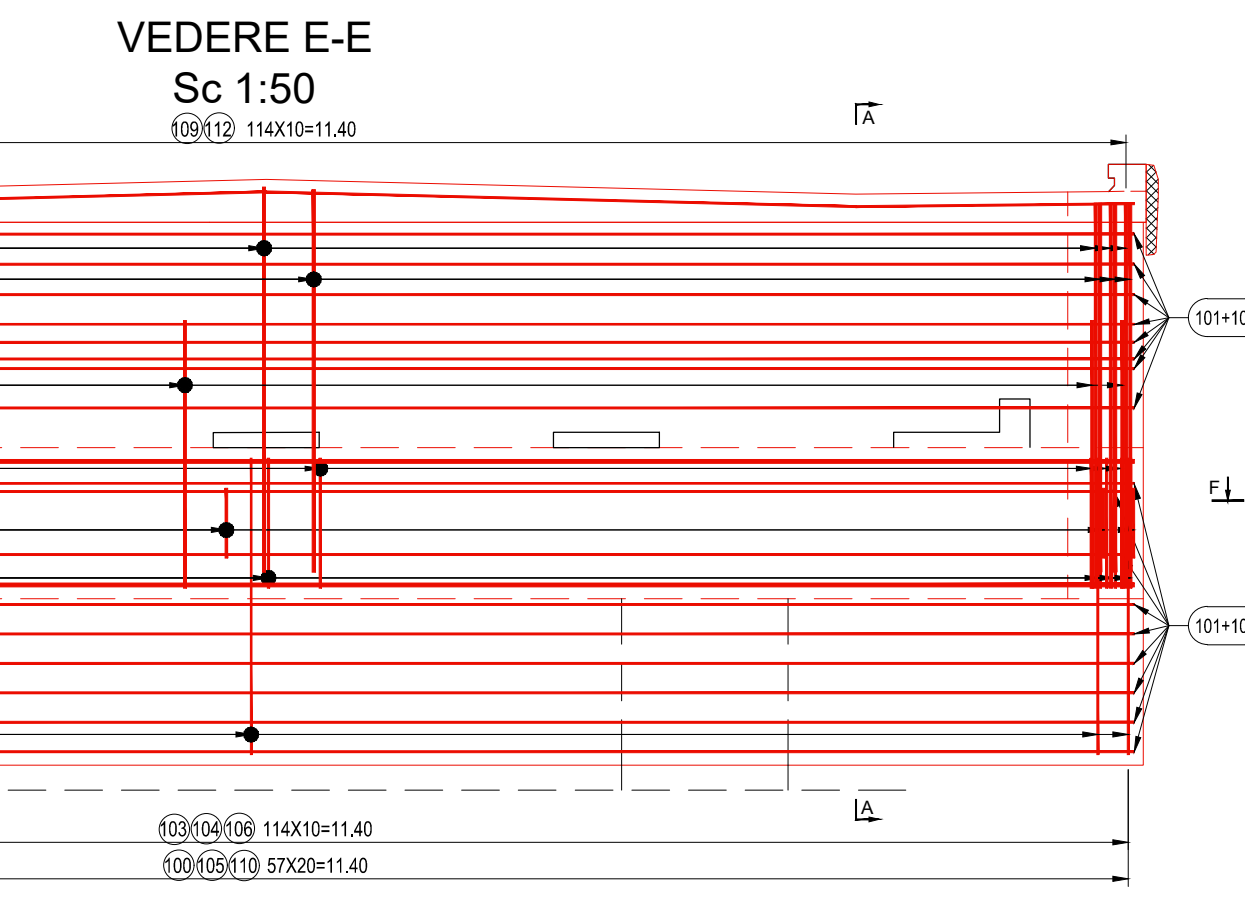
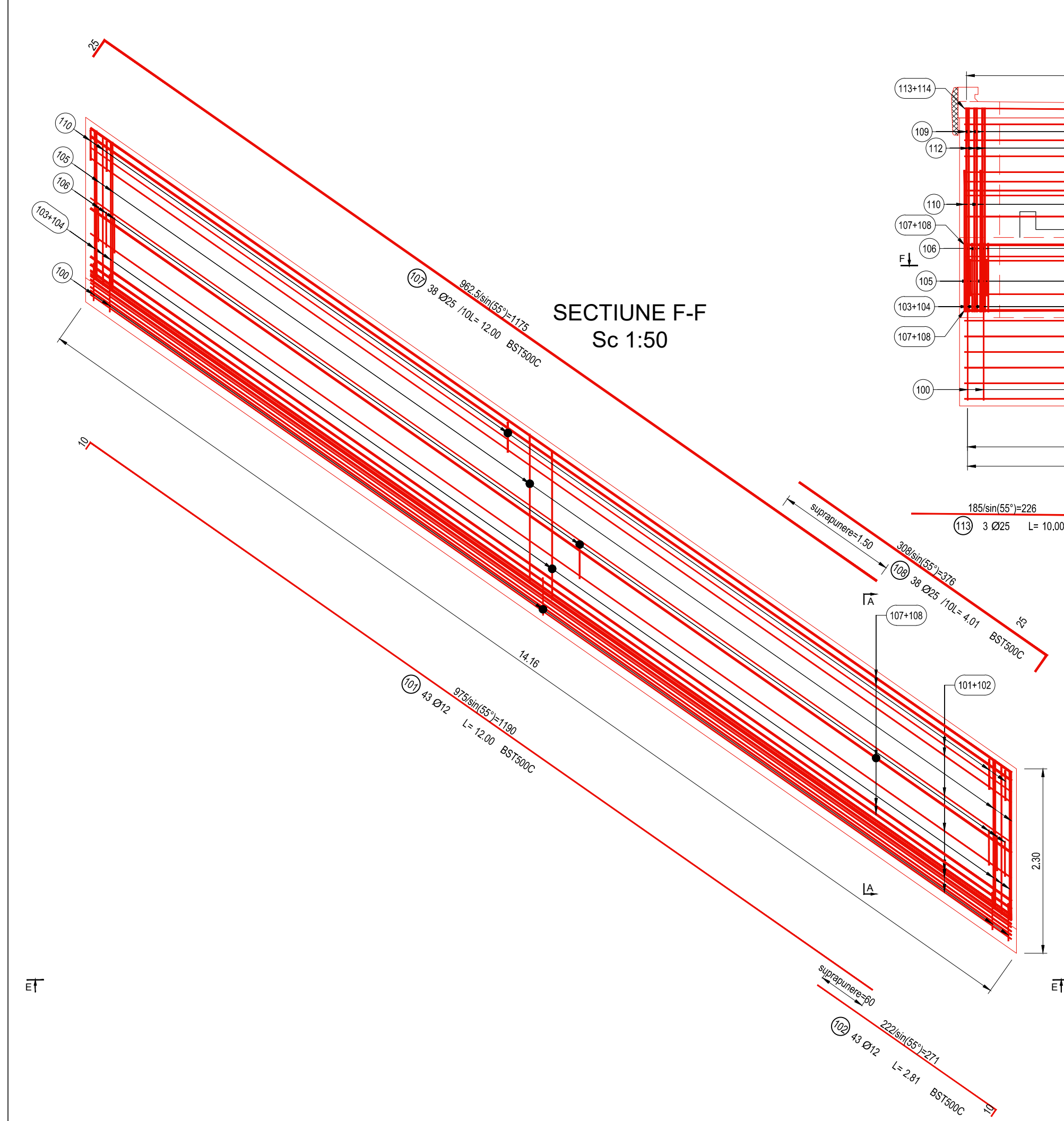
REALIZAT-

NEREALIZAT-

SECTIUNE B-B
Sc 1:20



INVESTITOR  COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE S.A.	PROIECTANT GENERAL  D.P. CONSULT S.A.	AMPLASAMENT 	DENUMIRE PROIECT PROIECTARE SI EXECUTIE "VARIANTA DE 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 Cocis Inginer Proiectant Poduri Ing. Attila Takacs Inginer Proiectant Ing. Tudor Hoda	REVIZII			DENUMIRE PLANSĂ PASAJ KM 7+156 PESTE CF 124 TIMISOARA NORD-VOITENI PLAN COFRAJ PLACA DE SUPRABETONARE DESDCHIDERI MARGINALE Scara : 1:50 1:20 NUMAR PLANSĂ 10036-VOTM-STR05-Cs-01
			NUMAR CONTRACT: 550/36/09.02.2023 NUMAR PROIECT : 556				NR.	REV.	DATA	SEMN.



EXTRAS DE ARMATURA PENTRU BANCHETA SI ZID DE GARDA

MARCA	DIAMETRU	NR BUCATI	LUNGIMI [m]			
			/diamentru			
			BST500C			
			Ø12	Ø16	Ø20	Ø25
100	16	58	4.02	233.16		
101	12	43	12.00	516.00		
102	12	43	2.81	120.83		
103	20	115	3.58		411.70	
104	20	115	3.58		411.70	
105	12	58	4.84	280.72		
106	16	115	2.36	271.40		456.00
107	25	38	12.00			
108	25	38	4.01			152.38
109	20	115	2.74		315.10	
110	16	58	5.60	324.80		
111	20	19	0.97		18.43	
112	20	115	2.68		308.20	
113	25	3	10.00			30.00
114	25	3	5.60			16.80
LUNGIMI TOTALE[m]			917.55	829.36	1465.13	655.18
/metru			0.889	1.580	2.469	3.858
/diamentru			815.65	1310.68	3617.83	2527.86
totala					8272.02	

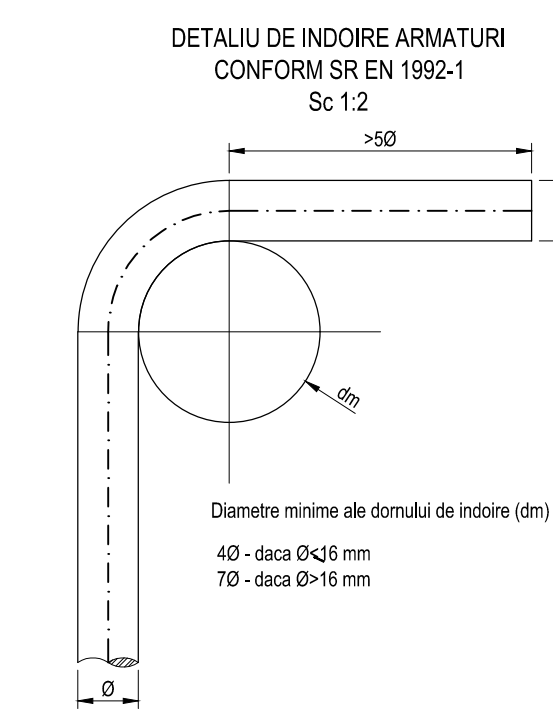
CANTITATEA TOTALA DE ARMATURA CULEE

Nr.crt.	Element	Nr. elemente asemenea	kg / element	TOTAL kg / element
1	ZID INTOARS	2	447.29	894.58
2	ZID DE GARDA SI BANCHETA CUZINETILOR	1	8272.02	8272.02
CANTITATEA TOTALA / CULEE				9166.60
CANTITATE TOTALA / STRUCTURA				18333.20

CERINTE DE CALITATE ELEVATII

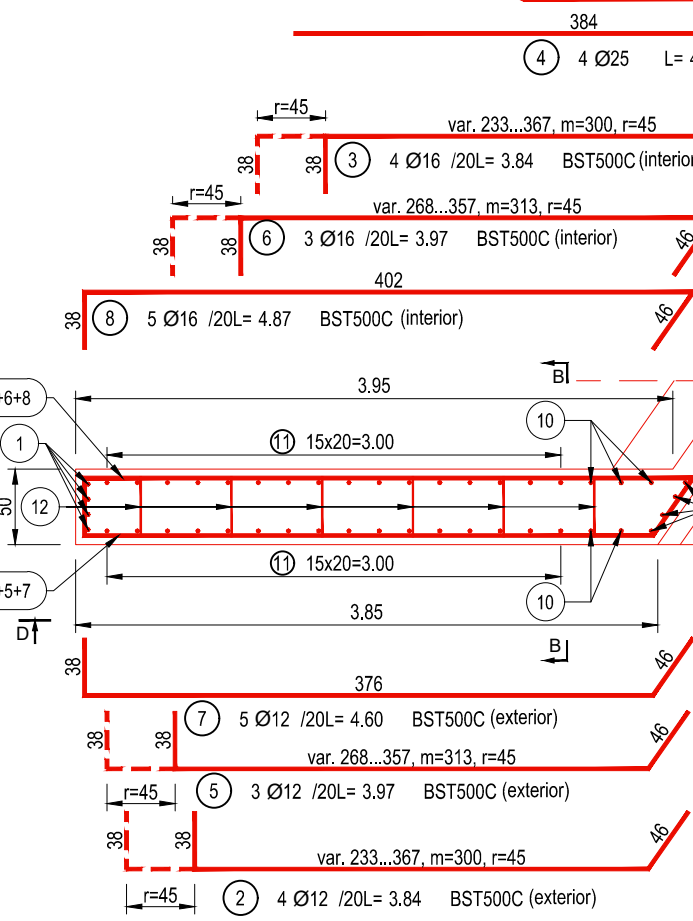
Beton: C30/37
Otel: BST500C
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 kg/m³

- Nota:
- Acoperirea cu beton a armaturilor va fi de minim 5,0cm, aceasta fiind masurata de la fata betonului pana la prima armatura intalnita;
 - Toate marcele de armatura care apar in desen se vor solidariza prin legare cu sarma pe lungimile de suprapunere indicate;
 - 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;
 - Prezentul extras nu contine pierderile datorate fasonarilor.



EXTRAS DE ARMATURA PENTRU UN ZID INTORS

MARCA	DIAMETRU	NR BUCATI	LUNGIMI [m]			
			/diamentru			
			BST500C			
			Ø10	Ø12	Ø16	Ø25
1	12	4	6.46	25.84		
2	12	4	3.84	15.36		
3	16	4	3.84		15.36	
4	25	4	4.77			19.08
5	12	3	3.97	11.91		
6	16	3	3.97		11.91	
7	12	5	4.60	23.00		
8	16	5	4.87		24.35	
9	25	4	6.19			24.76
10	12	4	3.13	12.52		
11	12	32	2.35	75.20		
12	10	24	0.60	14.40		
13	10	19	0.50	9.50		
14	10	19	1.40	26.60		
15	10	8	4.00	32.00		
LUNGIMI TOTAL [m]			82.50	163.83	51.62	43.84
/metru			0.617	0.889	1.580	3.858
/diamentru			50.93	145.64	81.58	169.15
totala				447.29		



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: 550/38/09.02.2023

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. Tudor Hoda

REVIZII

NR. REV.	DATA	SEM.

DENUMIRE PLANSA

PASAJ KM 7+156 PESTE CF 124 TIMISOARA NORD-VOITENI

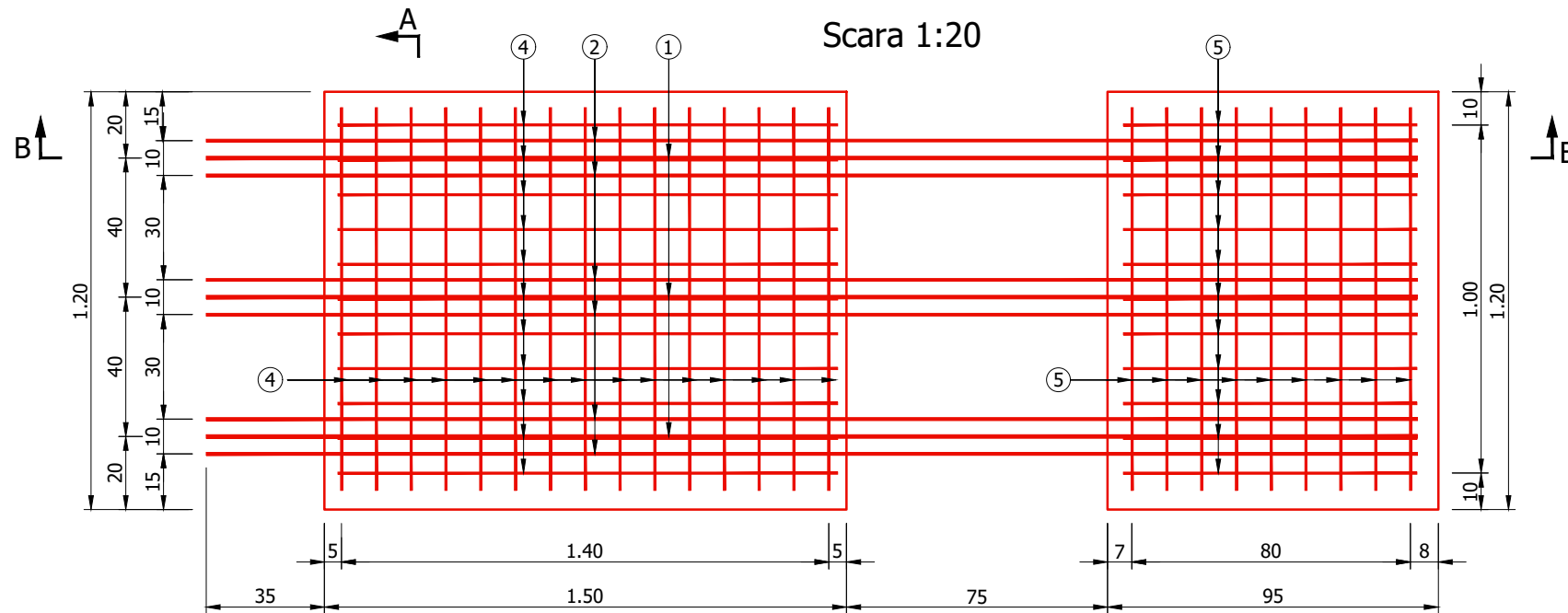
PLAN ARMARE ZID INTORS, BANCHETA SI ZID DE GARDA

Scara : 1:2, 1:50

NUMAR PLANSA

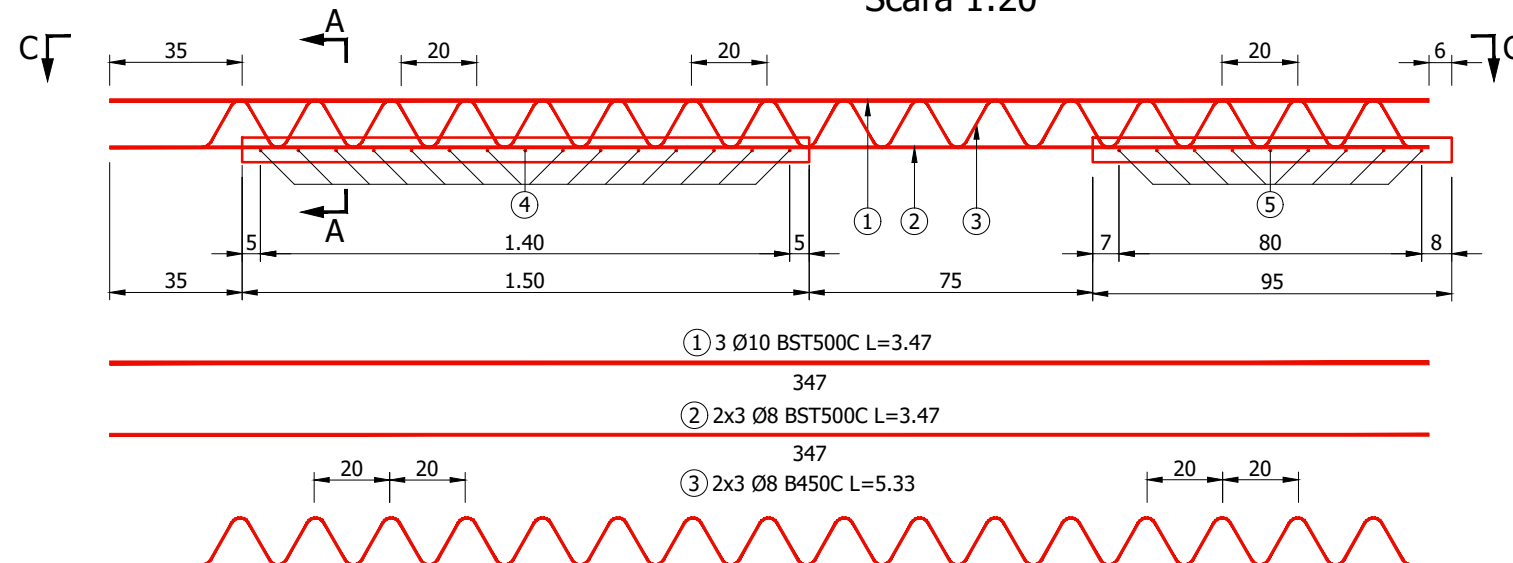
10036-VOTM-STR05-AI-04

VEDERE PLANA C-C



SECTIUNE LONGITUDINALA B-B

Scara 1:20



EXTRAS ARMATURA

Marca	ϕ (mm)	n (buc.)	L (m)	nxL-B450C $\phi 8$	nxL-BST500C $\phi 8$	$\phi 10$
1	10	3	3.47			10.41
2	8	6	3.47		20.82	
3	8	6	5.33	31.98		
TOTAL LUNGIMI PE DIAMETRU (m)				31.98	20.82	10.41
GREUTATE PE METRU (kg/m)				0.395	0.395	0.617
GREUTATE PE DIAMETRU (kg)				12.632	8.224	6.423
GREUTATE PE TIP DE OTEL (kg)				12.63		14.65
GREUTATE TOTALA (kg)					27.30	

EXTRAS PLASA SUDATA

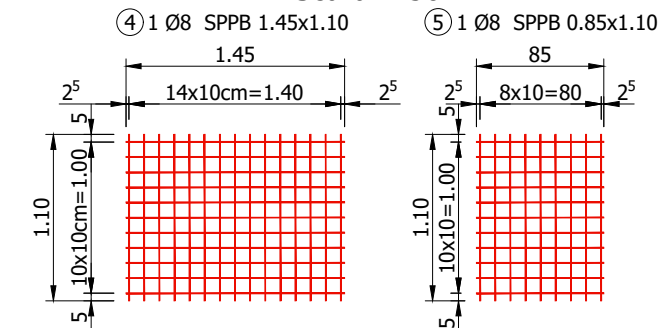
Marca	ϕ (mm)	n (buc.)	L (m)	L (m)	S (m ²)	SPPB $\phi 8$
4	8	1	1.10	1.45	1.60	32.45
5	8	1	1.10	0.85	0.94	19.25
TOTAL LUNGIMI PE DIAMETRU (m)						51.7
GREUTATE PE METRU (kg/m)						0.395
GREUTATE PE DIAMETRU (kg)						20.422
GREUTATE PE TIP DE OTEL (kg)						20.42
GREUTATE TOTALA (kg)						20.42

Tabel centralizator predale

Tip	Armatura/predala	Plasa sudata/predala	Nr predale/structura	Cantitate/structura
A	27.3000	20.4200	304	14506.8800

PLASA SUDATA

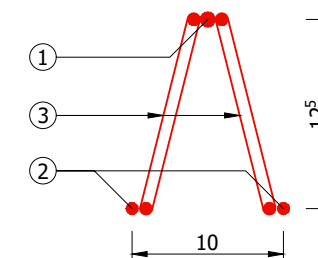
Scara 1:50

CERINTE DE CALITATE
PREDALE

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

DETALIUL "A"

Scara 1:5

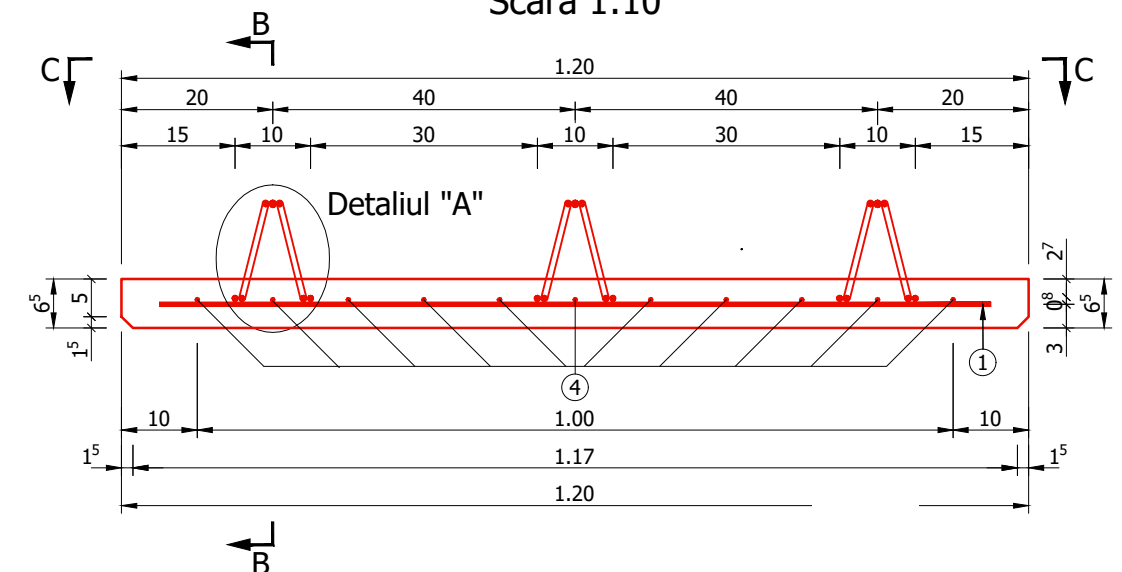


NOTA:

- 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.

SECTIUNE TRANSVERSALA A-A

Scara 1:10



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. Tudor Hoda

REVIZII

NR. REV.	DATA	SEM.
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DENUMIRE PLANSA

PASAJ KM 7+156 PESTE CF 124
TIMISOARA NORD-VOITENI
PLAN ARMARE PREDALA
PREFABRICATA TIP A
1.50x1.20 + 0.95x1.20

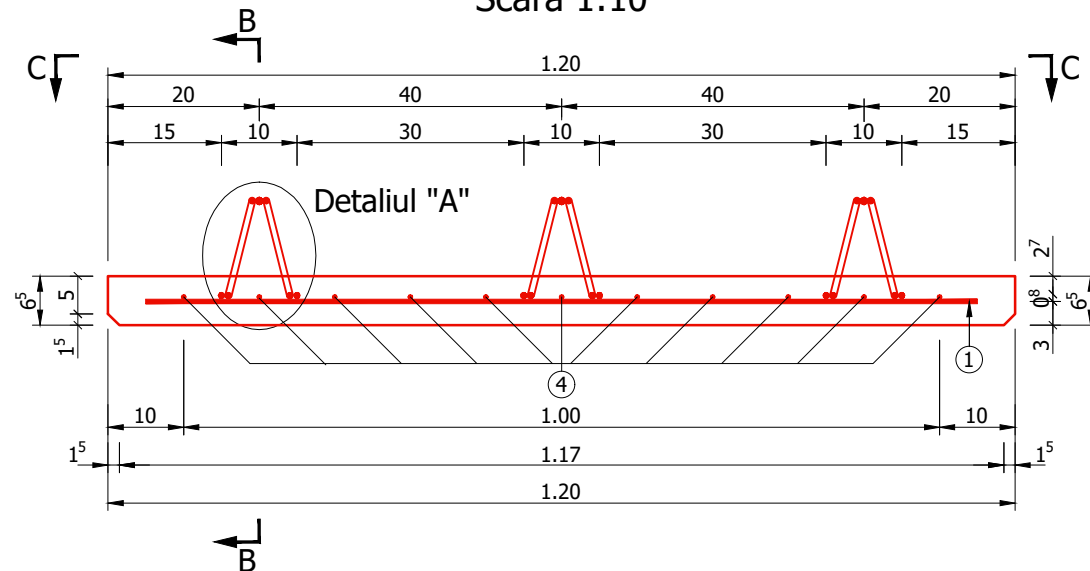
Scara : 1:50 1:20 1:10 1:5

NUMAR PLANSA

10036-VOTM-STR5-AS-01

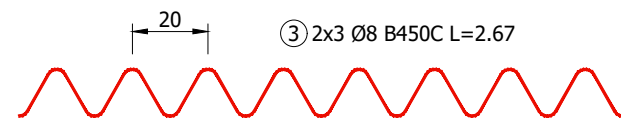
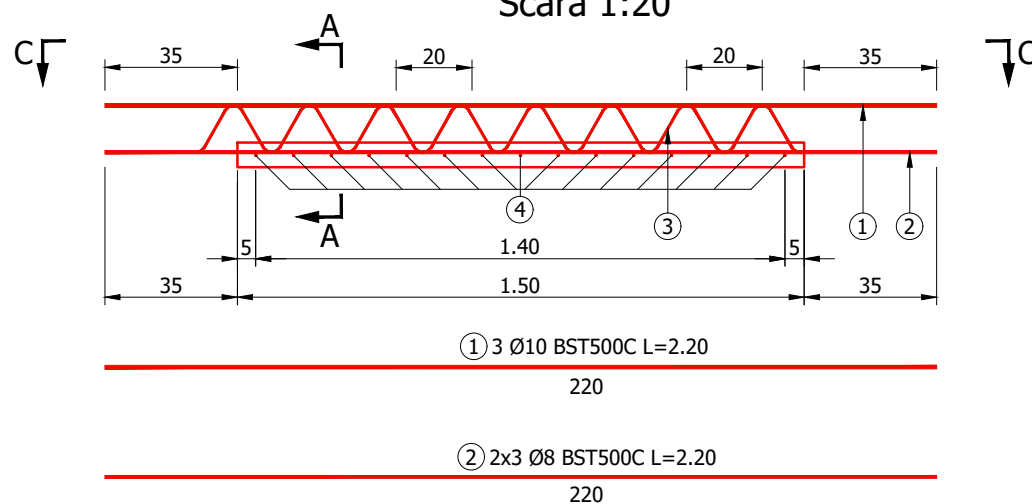
SECTIUNE TRANSVERSALA A-A

Scara 1:10



SECTIUNE LONGITUDINALA B-B

Scara 1:20

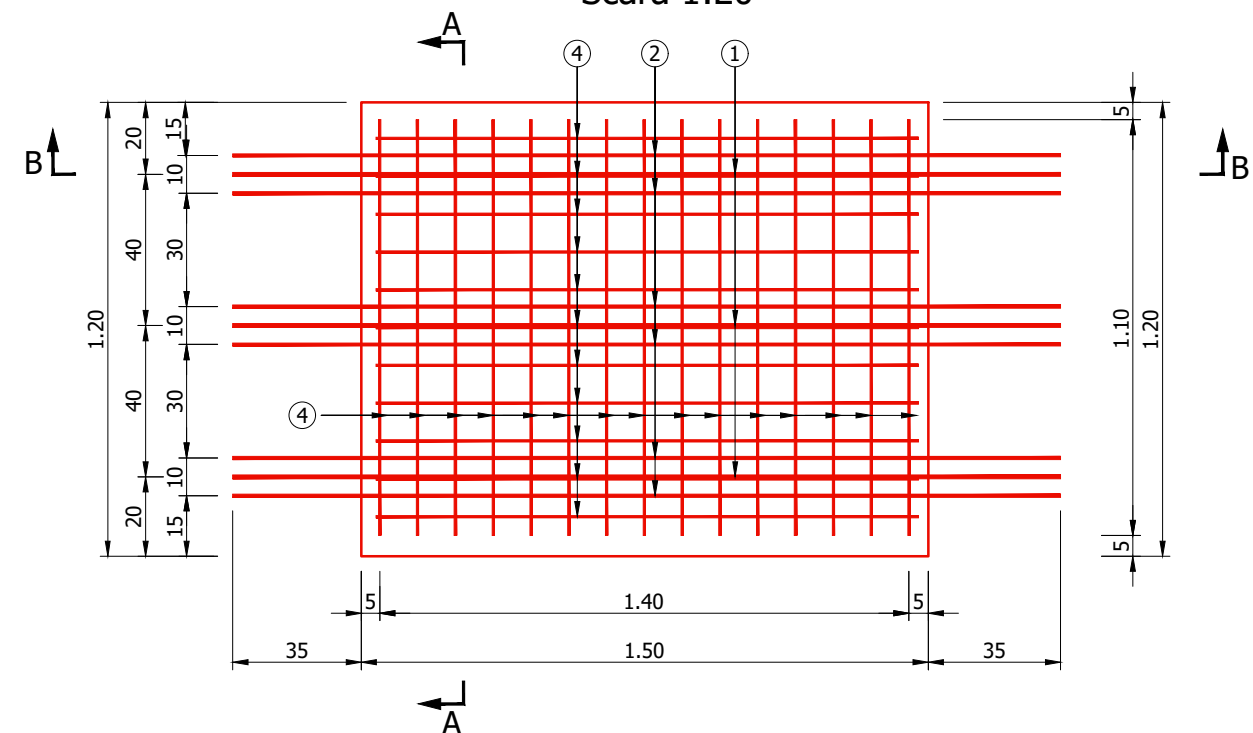


EXTRAS ARMATURA

Marca	φ (mm)	n (buc.)	L (m)	nxL-B450C φ8	nxL-BST500C φ10
1	10	3	2.20		6.60
2	8	6	2.20	13.20	
3	8	6	2.64	15.84	
TOTAL LUNGIMI PE DIAMETRU (m)				15.84	6.60
GREUTATE PE METRU (kg/m)				0.395	0.617
GREUTATE PE DIAMETRU (kg)				6.257	4.072
GREUTATE PE TIP DE OTEL (kg)				6.26	9.29
GREUTATE TOTALA (kg)				15.55	

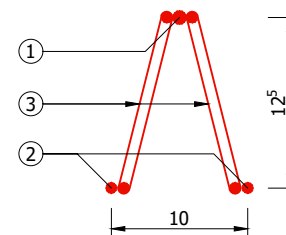
VEDERE PLANA C-C

Scara 1:20



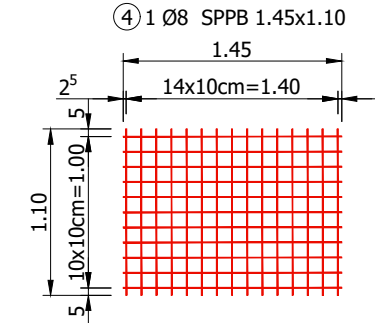
DETALIUL "A"

Scara 1:5



PLASA SUDATA

Scara 1:50



EXTRAS PLASA SUDATA

Marca	φ (mm)	n (buc.)	l (m)	L (m)	S (m ²)	SPPB φ8
4	8	1	1.10	1.45	1.60	32.45
TOTAL LUNGIMI PE DIAMETRU (m)						32.45
GREUTATE PE METRU (kg/m)						0.395
GREUTATE PE DIAMETRU (kg)						12.818
GREUTATE PE TIP DE OTEL (kg)						12.82
GREUTATE TOTALA (kg)						12.85

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

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.

Tabel centralizator predale

Tip	Armatura/predala	Plasa sudata/predala	Nr preadale/structura	Cantitate/structura
B	15.5500	12.8500	304	8633.6000

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. Silvan Moldovan

Sef Echipa Proiectare

ing. Raul Cocis

Inginer Proiectant Poduri

ing. Attila Takacs

Inginer Proiectant

ing. Tudor Hoda

REVIZII

NR. REV. DATA SEMN.

DENUMIRE PLANSA

PASAJ KM 7+156 PESTE CF 124
TIMISOARA NORD-VOITENI
PLAN ARMARE PREDALA TIP B
PREFABRICATA 1.50x1.20

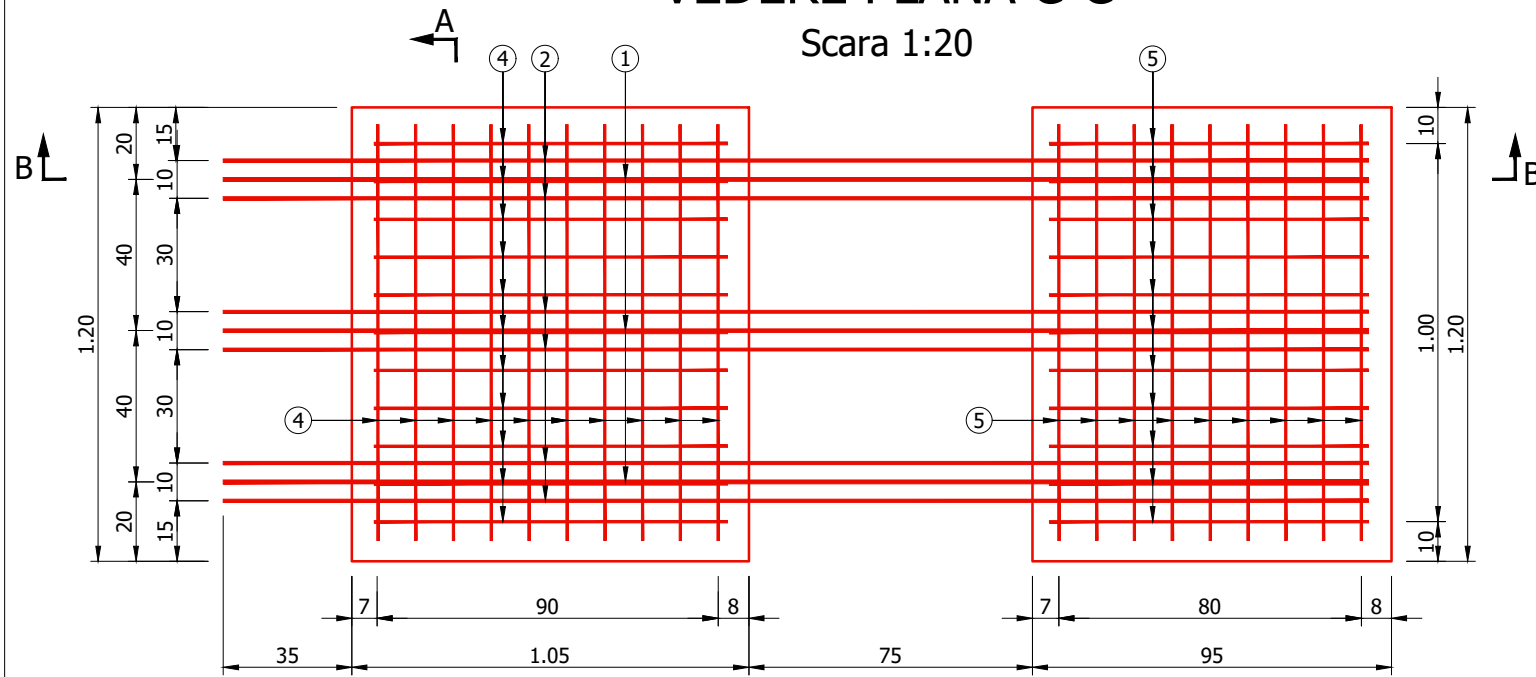
Scara : 1:50 1:20 1:10 1:5

NUMAR PLANSA

10036-VOTM-STR05-AS-02

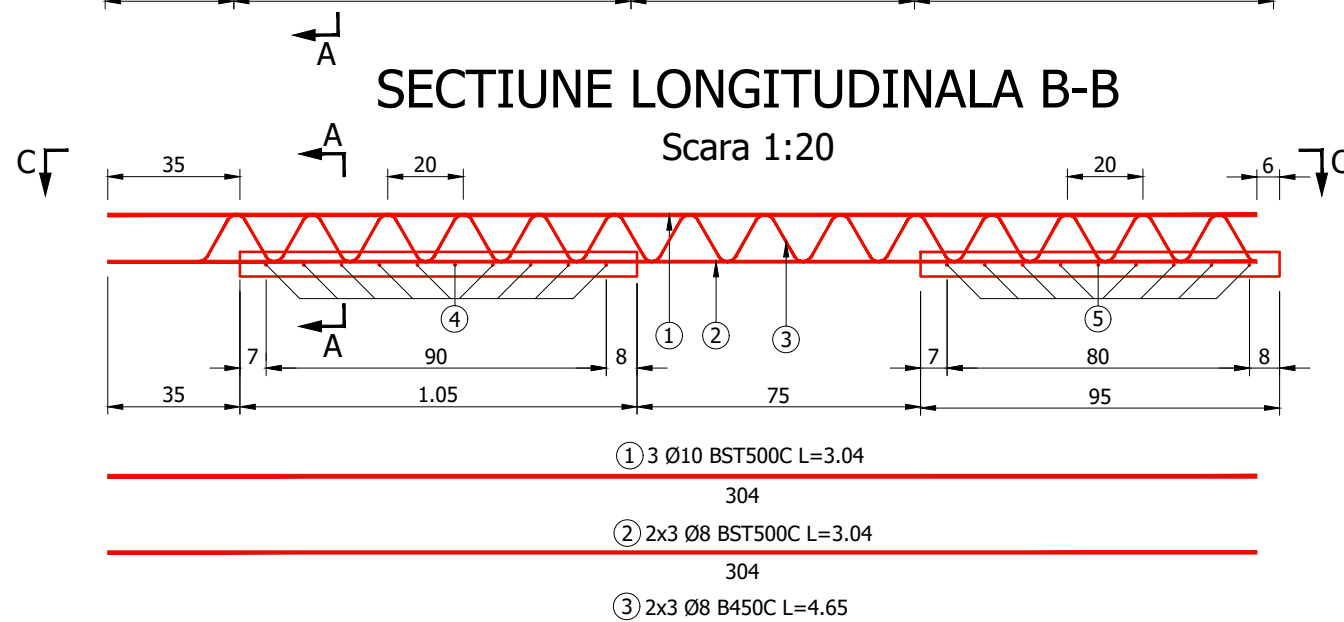
VEDERE PLANA C-C

Scara 1:20



SECTIUNE LONGITUDINALA B-B

Scara 1:20



① 3 Ø10 BST500C L=3.04

304

② 2x3 Ø8 BST500C L=3.04

304

③ 2x3 Ø8 B450C L=4.65

EXTRAS PLASA SUDATA

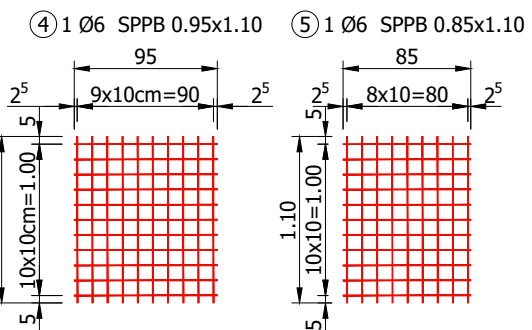
EXTRAS ARMATURA

Marca	φ (mm)	n (buc.)	L (m)	nxL-B450C φ8	nxL-BST500C φ8	φ10
1	10	3	3.04			9.12
2	8	6	3.04		18.24	
3	8	6	4.65	27.9		
TOTAL LUNGIMI PE DIAMETRU (m)				27.9	18.24	9.12
GREUTATE PE METRU (kg/m)				0.395	0.395	0.617
GREUTATE PE DIAMETRU (kg)				11.021	7.205	5.627
GREUTATE PE TIP DE OTEL (kg)				11.02	12.83	
GREUTATE TOTALA (kg)					23.85	

Marca	φ (mm)	n (buc.)	L (m)	S (m ²)	SPPB φ6
4	6	1	1.10	0.95	21.45
5	6	1	1.10	0.85	19.25
TOTAL LUNGIMI PE DIAMETRU (m)					40.7
GREUTATE PE METRU (kg/m)					0.222
GREUTATE PE DIAMETRU (kg)					9.035
GREUTATE PE TIP DE OTEL (kg)					9.04
GREUTATE TOTALA (kg)					9.05

PLASA SUDATA

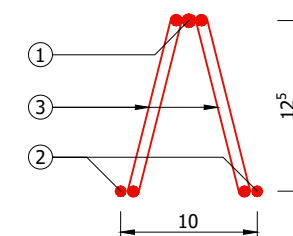
Scara 1:50

CERINTE DE CALITATE
PREDALE

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

DETALIUL "A"

Scara 1:5

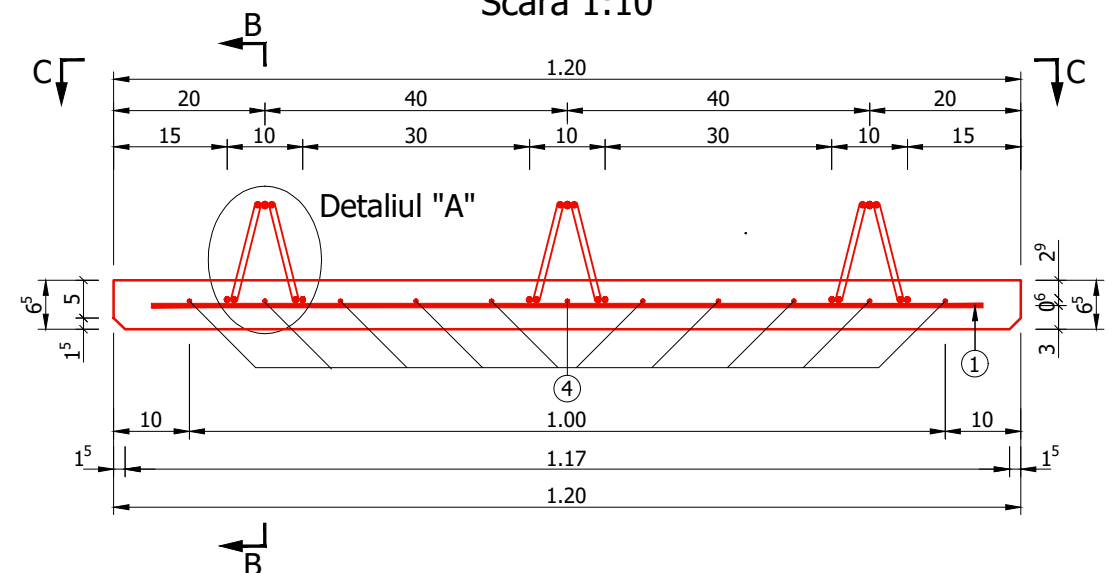


NOTA:

- 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.

SECTIUNE TRANSVERSALA A-A

Scara 1:10



Tabel centralizator predaie

Tip	Armatura/predala	Plasa sudata/predala	Nr predaie/structura	Cantitate/structura
C	23.8500	9.0500	48	1579.2000

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. Tudor Hoda

REVIZII

NR. REV.	DATA	SEM.

DENUMIRE PLANSA

PASAJ KM 7+156 PESTE CF 124
TIMISOARA NORD-VOITENI
PLAN ARMARE PREDALA
PREFABRICATA TIP C
1.05x1.20 + 0.95x1.20

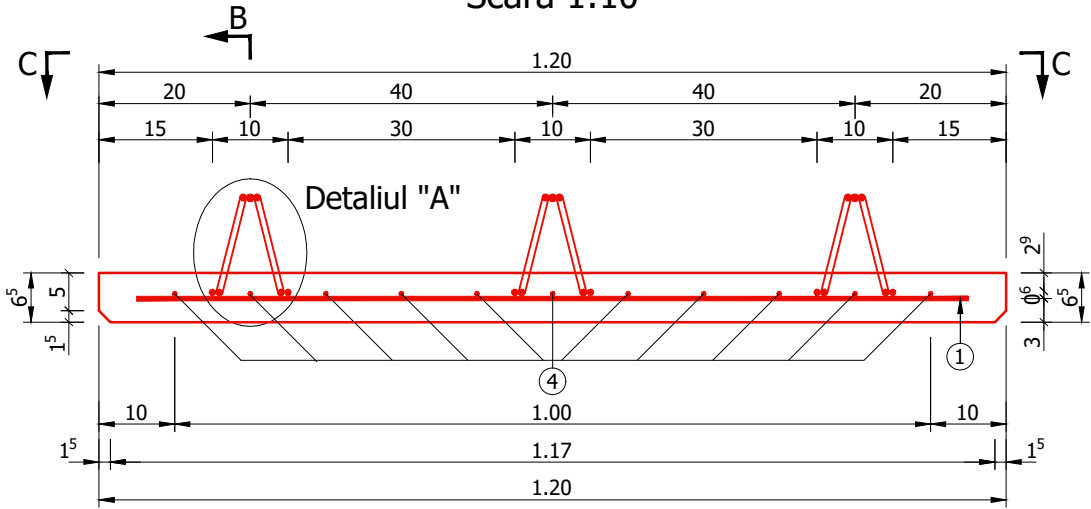
Scara : 1:50 1:20 1:10 1:5

NUMAR PLANSA

10036-VOTM-STR5-AS-03

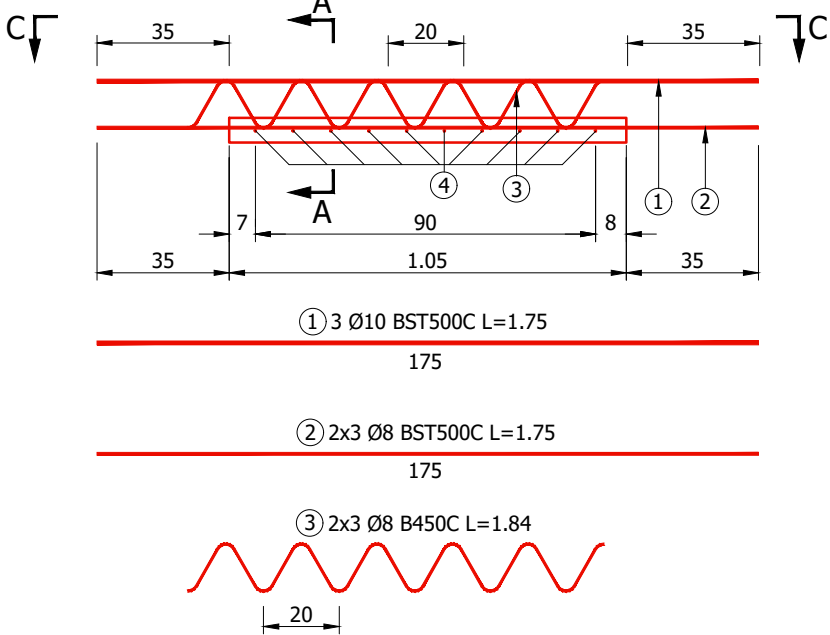
SECTIUNE TRANSVERSALA A-A

Scara 1:10



SECTIUNE LONGITUDINALA B-B

Scara 1:20



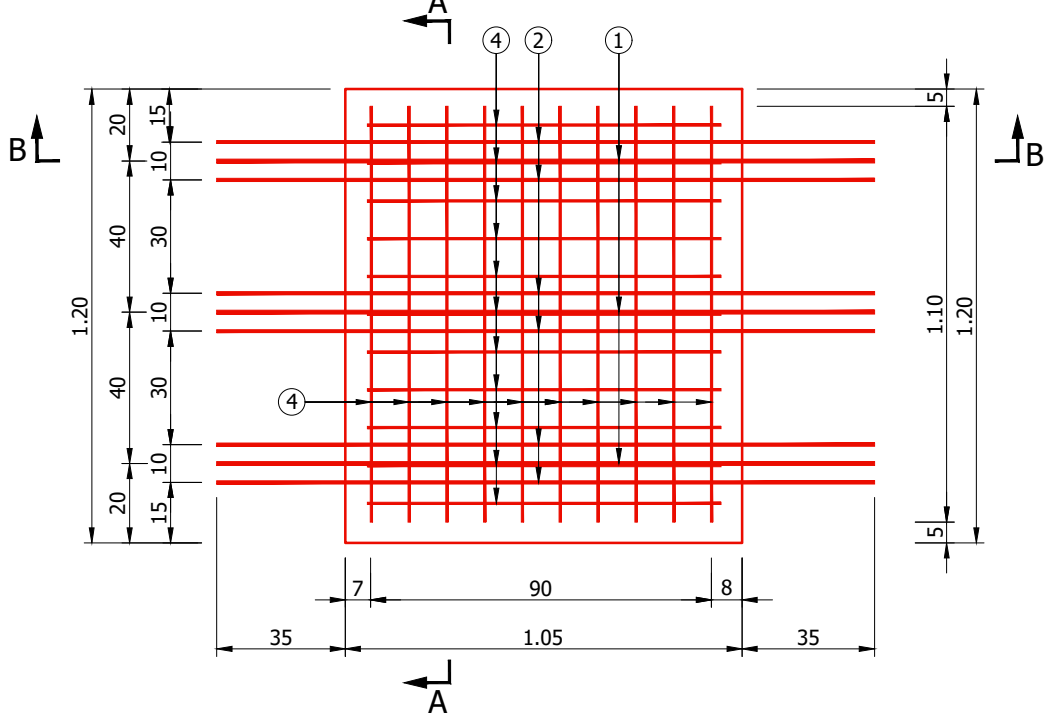
EXTRAS ARMATURA

Marca	ϕ (mm)	n (buc.)	L (m)	nxL-B450C $\phi 8$	nxL-BST500C $\phi 8$	nxL-BST500C $\phi 10$
1	10	3	1.75			5.25
2	8	6	1.85		11.10	
3	8	6	1.84	11.04		
TOTAL LUNGIMI PE DIAMETRU (m)				11.04	11.10	5.25
GREUTATE PE METRU (kg/m)				0.395	0.395	0.617
GREUTATE PE DIAMETRU (kg)				4.361	4.385	3.239
GREUTATE PE TIP DE OTEL (kg)				4.36	7.62	
GREUTATE TOTALA (kg)				12.00		



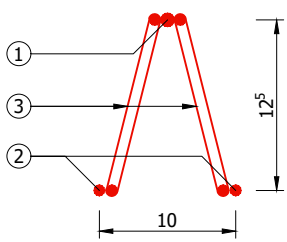
VEDERE PLANA C-C

Scara 1:20



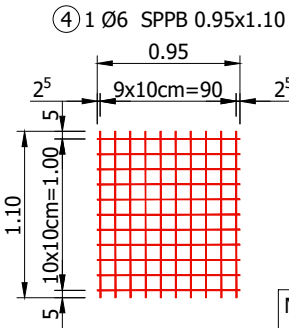
DETALIUL "A"

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 ³

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.

EXTRAS PLASA SUDATA

Marca	ϕ (mm)	n (buc.)	l (m)	L (m)	S (m ²)	SPPB $\phi 6$
4	6	1	1.10	0.95	1.05	21.45
TOTAL LUNGIMI PE DIAMETRU (m)						21.45
GREUTATE PE METRU (kg/m)						0.222
GREUTATE PE DIAMETRU (kg)						4.762
GREUTATE PE TIP DE OTEL (kg)						4.76
GREUTATE TOTALA (kg)						4.76

Tabel centralizator predaie

Tip	Armatura/predala	Plasa sudata/predala	Nr predaie/structura	Cantitate/structura
D	12.0000	4.7600	72	1206.7200

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. Silvan Moldovan

Sef Echipa Proiectare

ing. Raul Cocis

Inginer Proiectant Poduri

ing. Attila Takacs

Inginer Proiectant

ing. Tudor Hoda

REVIZII

NR. REV. DATA SEMN.

DENUMIRE PLANSA

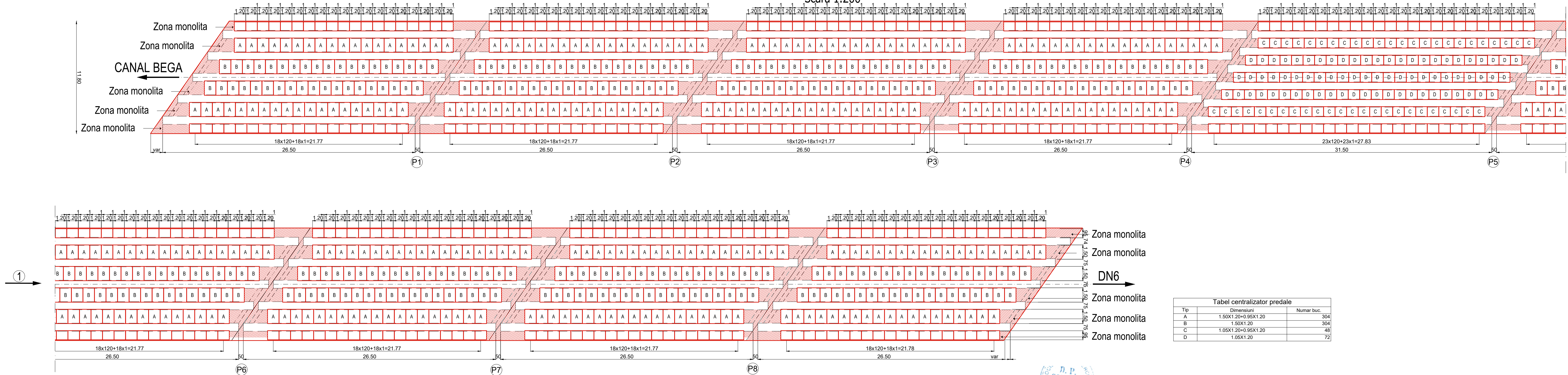
PASAJ KM 7+156 PESTE CF 124
TIMISOARA NORD-VOITENI
PLAN ARMARE PREDALE-Tip D
PREFABRICATA 1.05x1.20

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



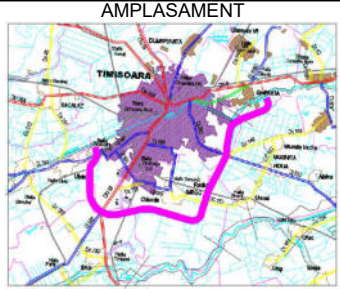
NUMAR PLANSA

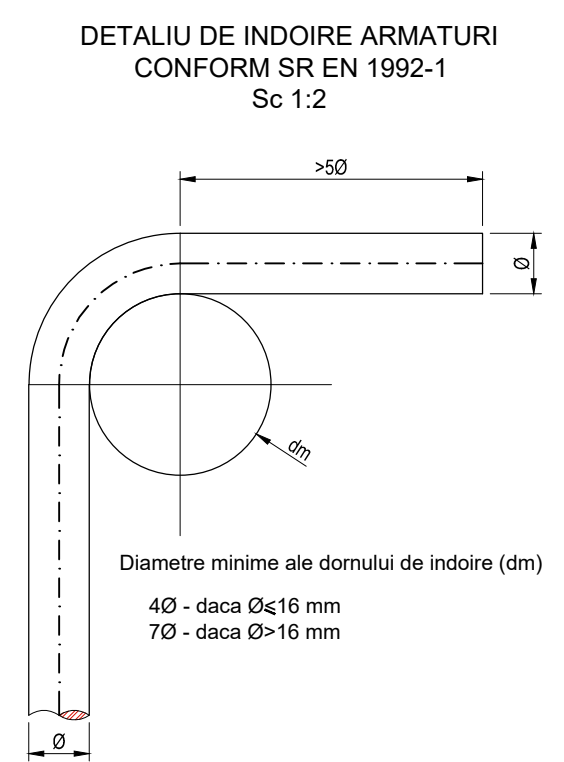
10036-VOTM-STR5-AS-04

Plan pozitionare predale
Scara 1:200

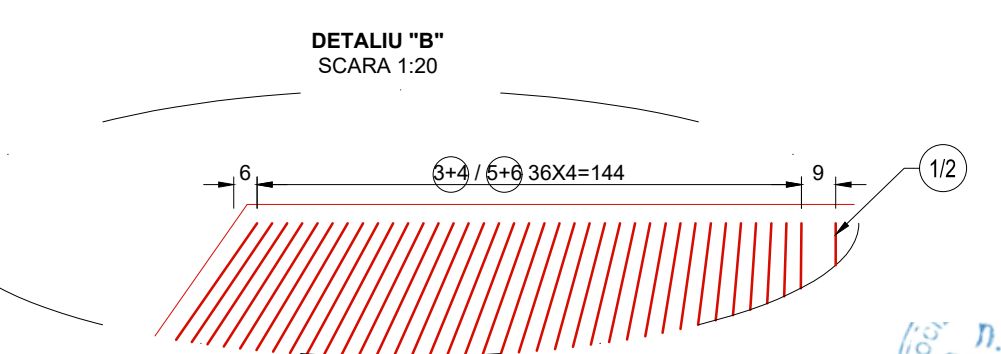
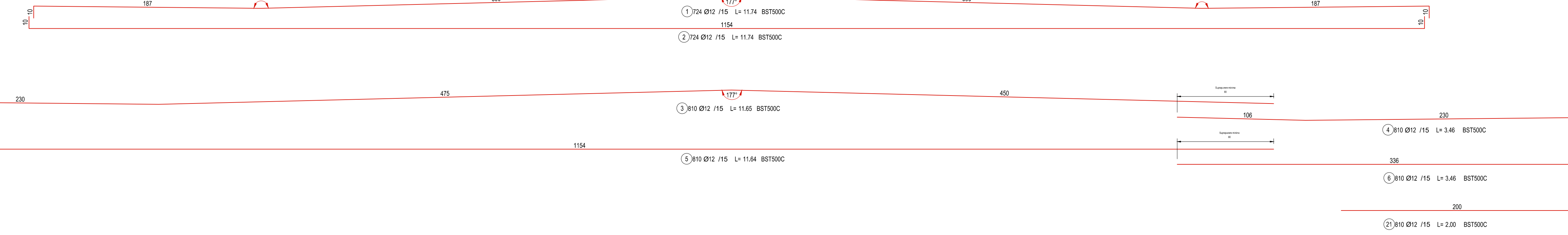
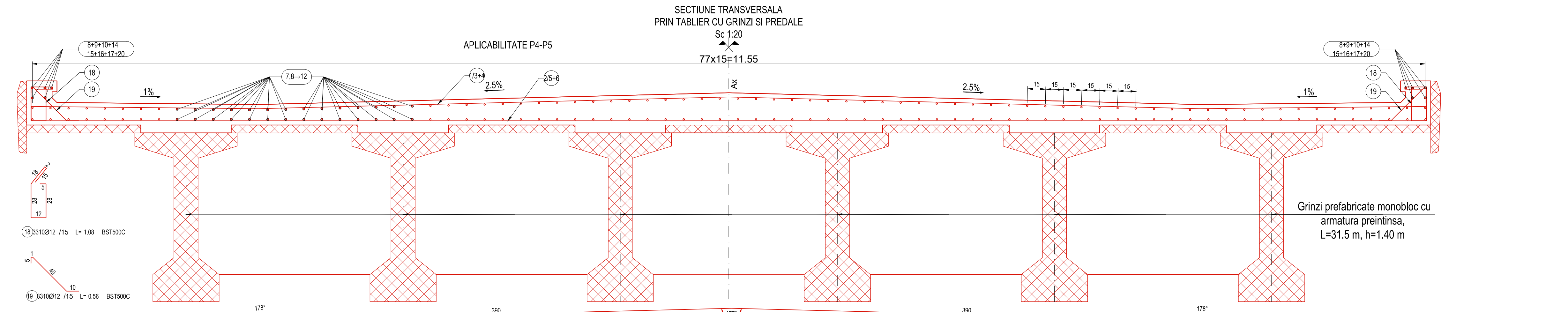
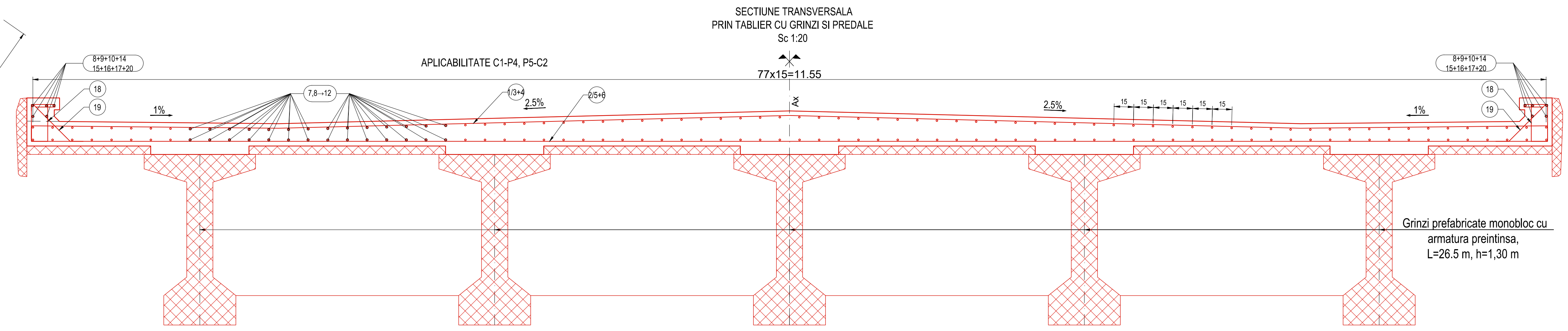
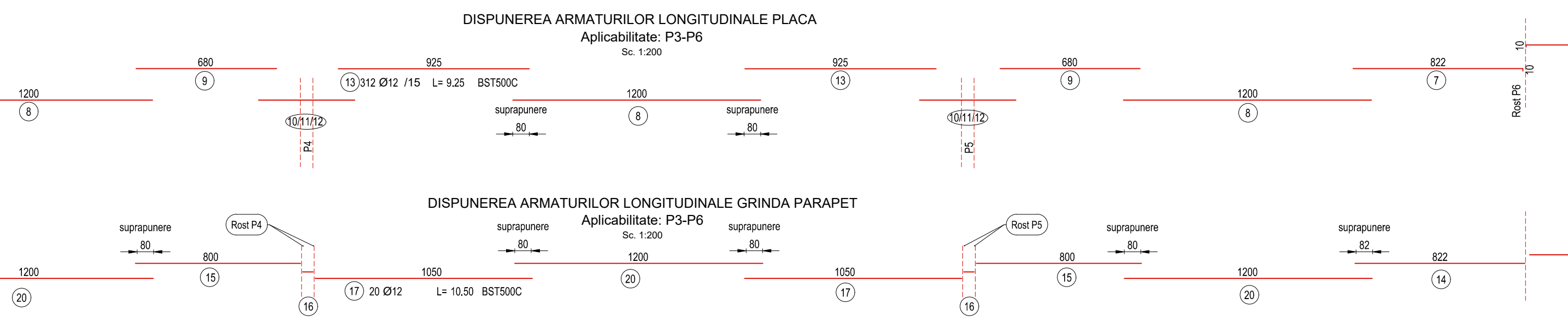


Tabel centralizator predale		
Tip	Dimensiuni	Numar buc.
A	1.50X1.20+0.95X1.20	304
B	1.50X1.20	304
C	1.05X1.20+0.95X1.20	48
D	1.05X1.20	72

 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: 550/38/09.02.2023 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. Tudor Hoda	REVIZII			DENUMIRE PLANSA PASAJ KM 7+156 PESTE CF 124 TIMISOARA NORD-VOITENI PLAN DISPUNERE PREDALE Scara : 1:200 NUMAR PLANSA 10036-VOTM-STR05-Cs-03
						NR. REV.	DATA	SEMN.	



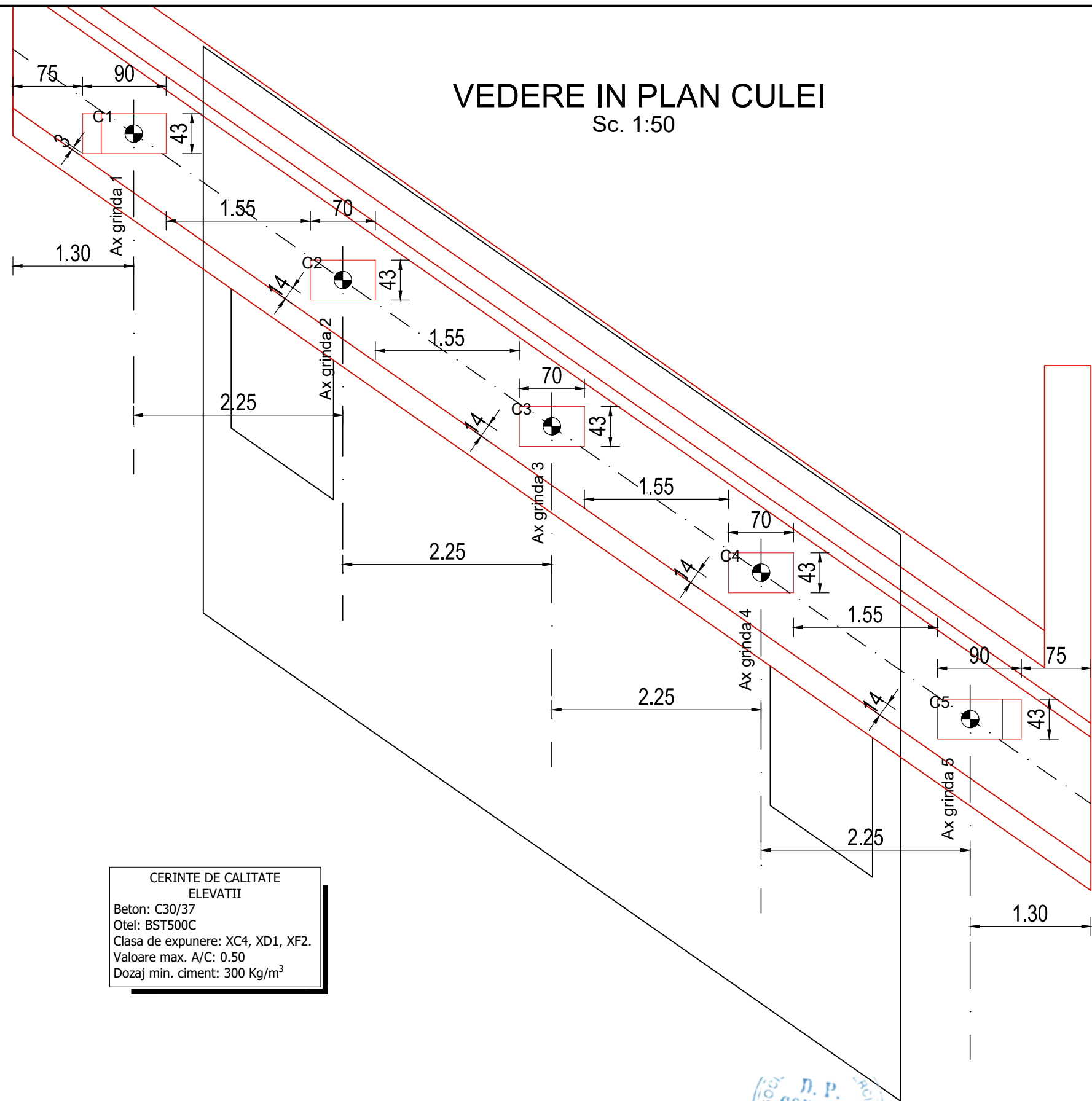
MARCA	LUNGIMI (m)		diámetro bushings 012	
	DIAMETRO Nº BUCALTI	DIAMETRO Nº BUCALTI		
1	12	124	71,14	8499,76
2	12	124	71,14	8499,76
3	12	810	11,65	9436,50
4	12	810	11,65	9436,50
5	12	810	11,65	9436,50
6	12	810	3,84	2802,60
7	12	896	8,32	7797,52
8	12	1404	12,00	16648,40
9	12	1560	6,80	10808,00
10	12	468	4,80	2246,40
11	12	468	4,80	2246,40
12	12	468	4,80	2246,40
13	12	312	9,25	2896,00
14	12	860	8,22	4033,40
15	12	100	8,00	800,00
16	12	60	0,50	30,00
17	12	10	0,50	2,50
18	12	3310	10,50	210,00
19	12	3310	10,50	3574,80
20	12	3310	5,96	1663,60
21	12	3310	12,50	1663,60
22	12	3310	12,50	1663,60
23	12	3310	12,50	1663,60
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95	12	3310	12,50	1663,60
96	12	3310	12,50	1663,60
97	12	3310	12,50	1663,60
98	12	3310	12,50	1663,60
99	12	3310	12,50	1663,60
100	12	3310	12,50	1663,60
LUNGIMI TOTAL(E)				49032,54
MASA (g)	m(mg)		0,889	
			43481,81	
	total(a)		43481,81	



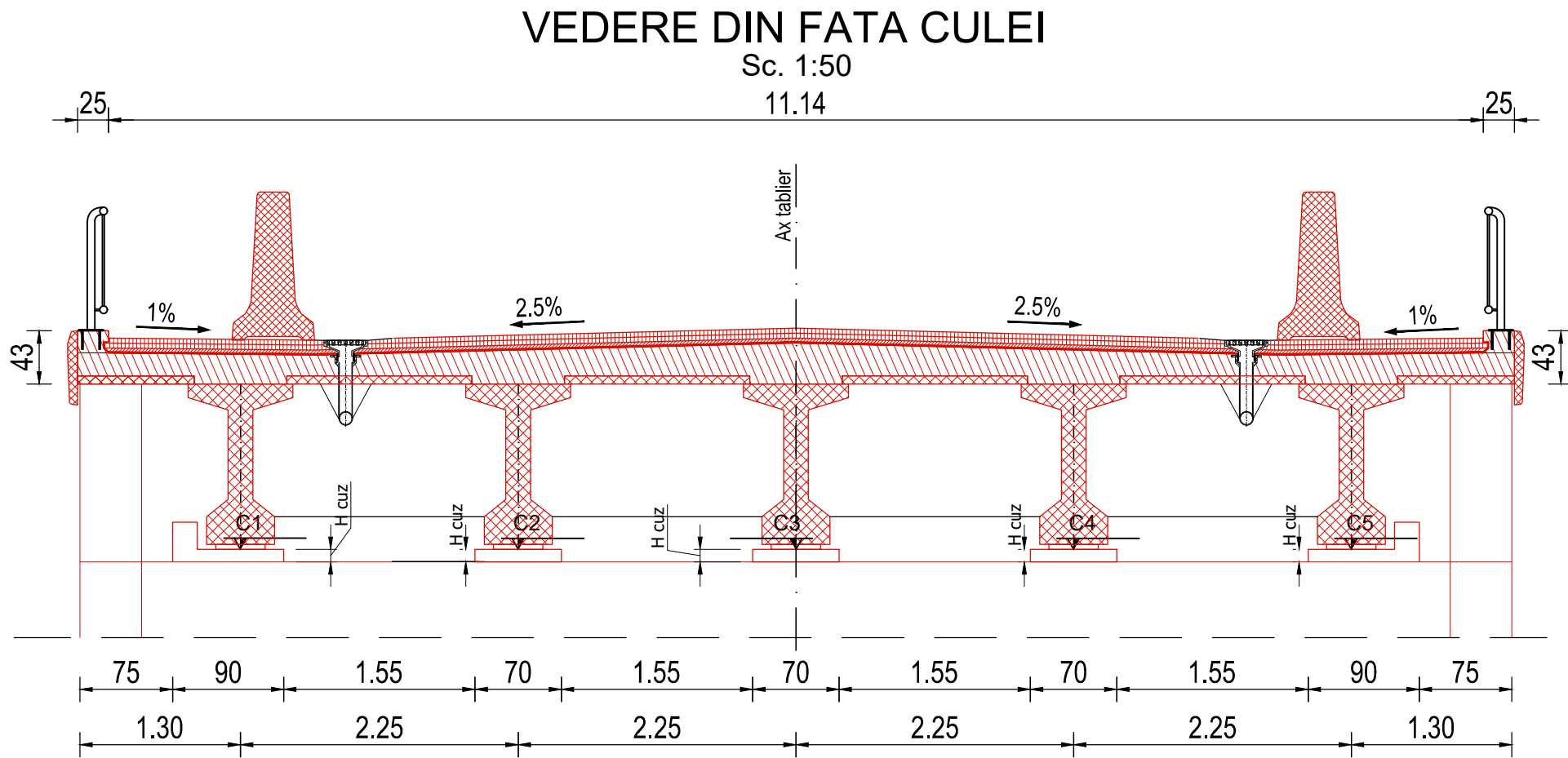
CERINTE DE CALITATE
PLACA DE SUPRABETONARE
 Beton: C35/45
 Otel: BST500C
 Clasa de expunere: XC3, XD1, XF2
 Valoare max. A/C: 0.55⁸
 Dozaj min. ciment: 340 Kg/m³

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 proceda la executie si de a comunica proiectantului orice nepotrivire, eroare sau neclaritate pentru a face corectile sau clarificarile necesare.



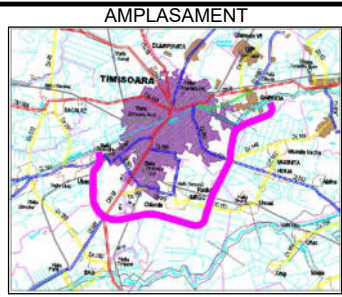
CERINTE DE CALITATE
ELEVATII
Beton: C30/37
Otel: BST500C
Clasa de expunere: XC4, XD1, XF2.
Valoare max. A/C: 0.50
Dozaj min. ciment: 300 Kg/m³



Cote cuzineti Culee C1					
	C1	C2	C3	C4	C5
Cota cale pe culee	97.620	97.720	97.820	97.80	97.790
H-Ar+Gr+Sbet+Cale	1.724	1.759	1.816	1.759	1.724
Cota cuzinet	95.896	95.961	96.005	96.041	96.066

Cote cuzineti Culee C2					
	C1	C2	C3	C4	C5
Cota cale pe culee	97.530	97.630	97.730	97.720	97.700
H-Ar+Gr+Sbet+Cale	1.724	1.759	1.816	1.759	1.724
Cota cuzinet	95.806	95.871	95.915	95.961	95.976

- 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. Silivan Moldovan

Sef Echipa Proiectare
ing. Raul Cocis

Inginer Proiectant Poduri
ing. Attila Takacs

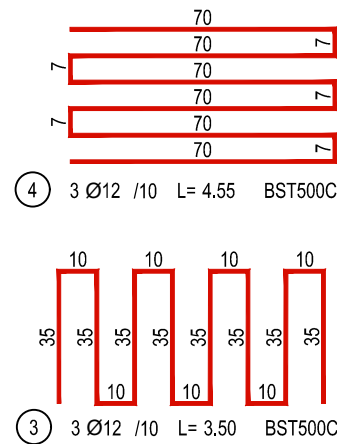
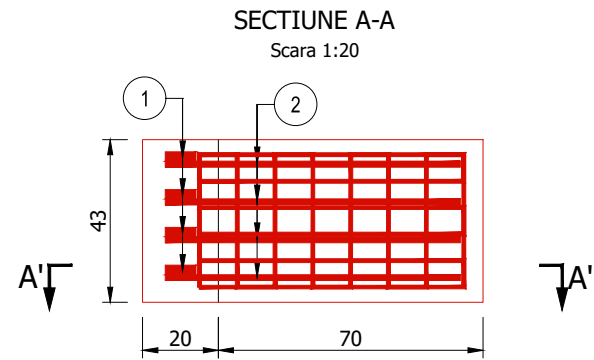
Inginer Proiectant
ing. Tudor Hoda

REVIZII		
NR. REV.	DATA	SEM.N.

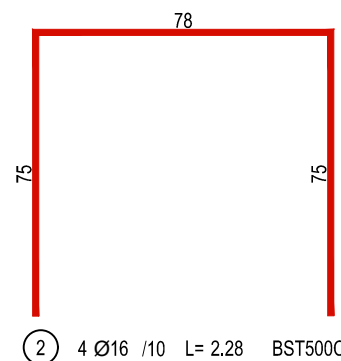
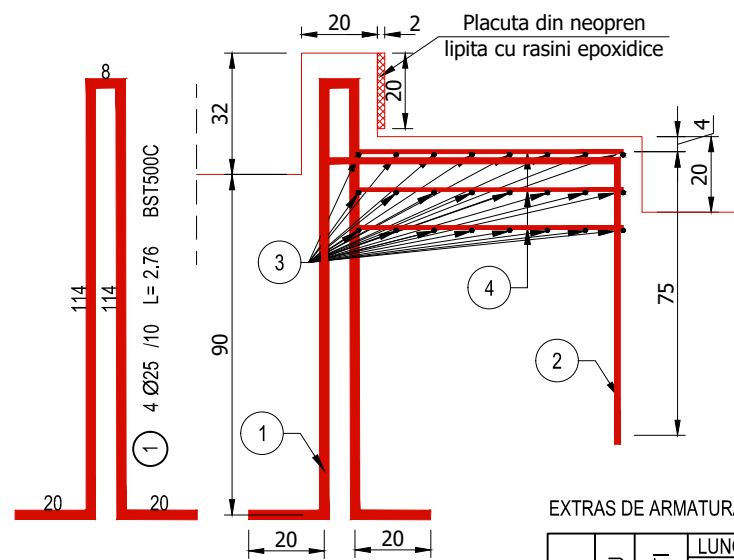
DENUMIRE PLANSA
PASAJ KM 5+366 PESTE DN 59
SI LINII DE TRAMVAI
PLAN COFRAJ CUZINETI CULEI

Scara : 1:50

NUMAR PLANSA
10036-VOTM-STR05-CI-06



SECTIUNE A'-A'
Scara 1:20

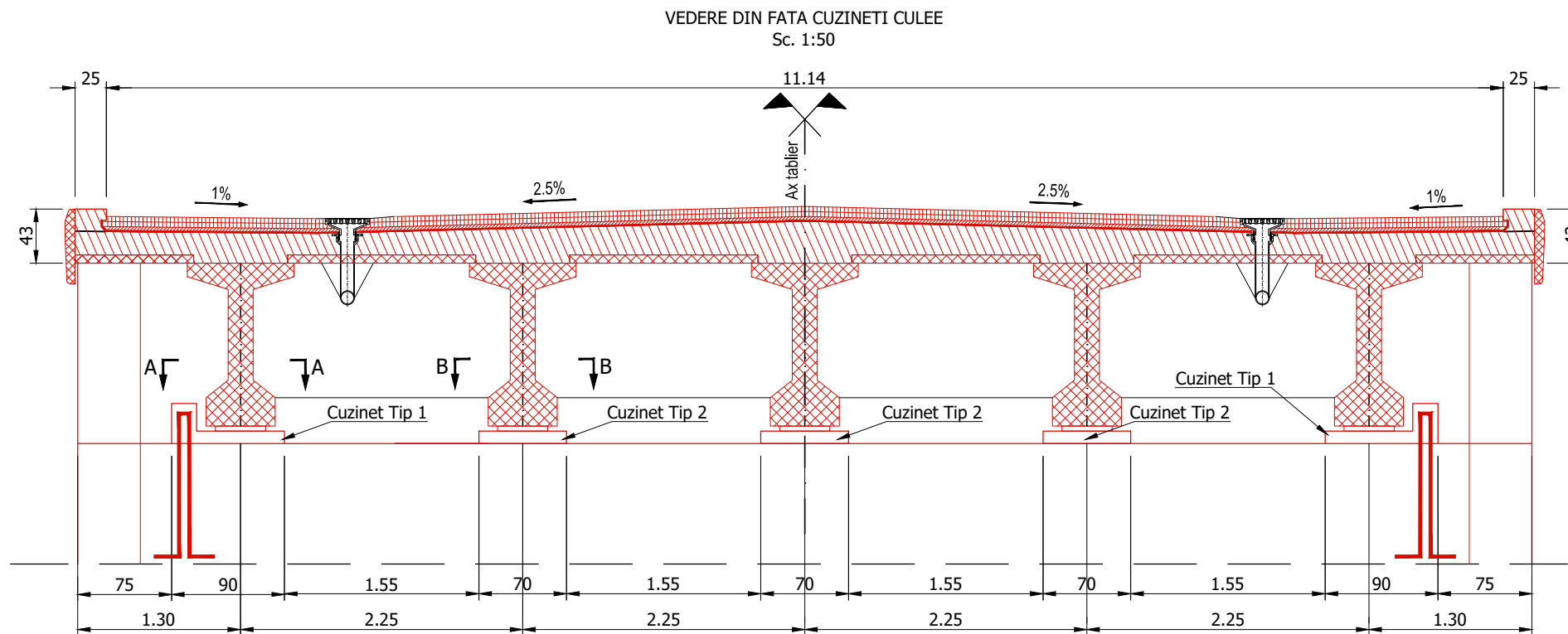


EXTRAS DE ARMATURA PENTRU UN CUZINET TIP 1

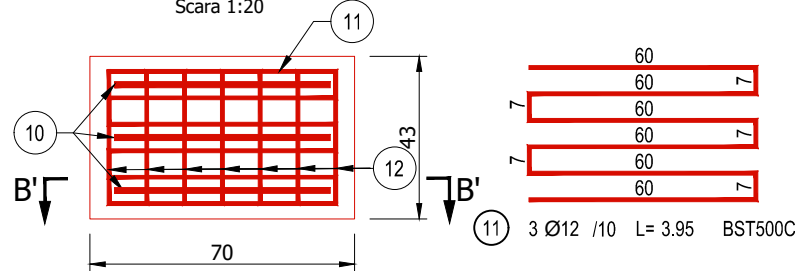
MARCA	DIAMETRU	NR BUCATI	LUNGIMI [m]			
			/bucata	/diametru		
				BST500C		
			Ø12	Ø16	Ø25	
1	25	4	2.76		11.04	
2	16	4	2.28	9.12		
3	12	3	3.50	10.50		
4	12	3	4.55	13.65		
LUNGIMI TOTALE[m]			24.15	9.12	11.04	
MASA [kg]	/metru		0.889	1.580	3.858	
	/diametru		21.47	14.41	42.60	
	totala		78.48			

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

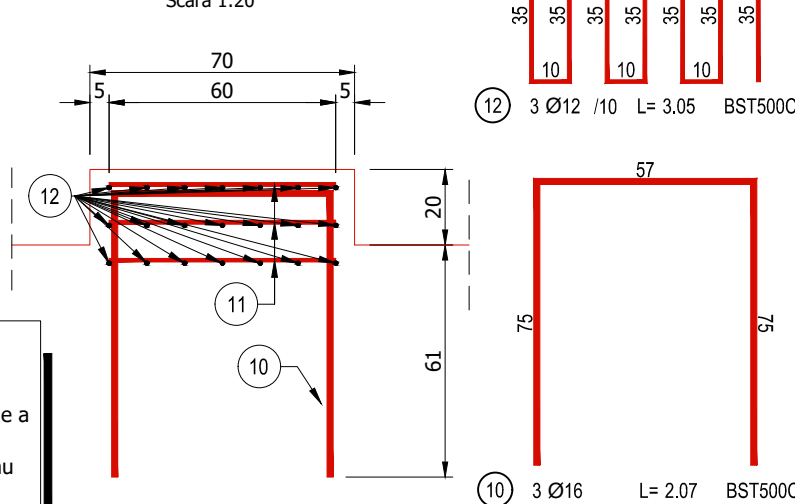
NOTA:
- Stratul minim de acoperire este 5cm;
- Toate dimensiunile barelor sunt date in ax;
- Constructorul are obligatia de a verifica proiectul inainte de a proceda la executie si de a comunica proiectantului orice nepotrivire, eroare sau neclaritate pentru a face corectiile sau clarificarile necesare.



SECTIUNE B-B
Scara 1:20



SECTIUNE B'-B'
Scara 1:20

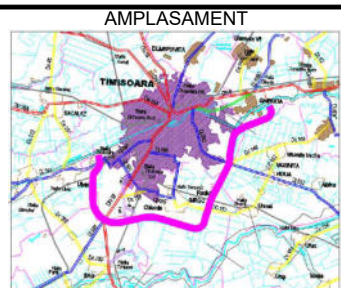
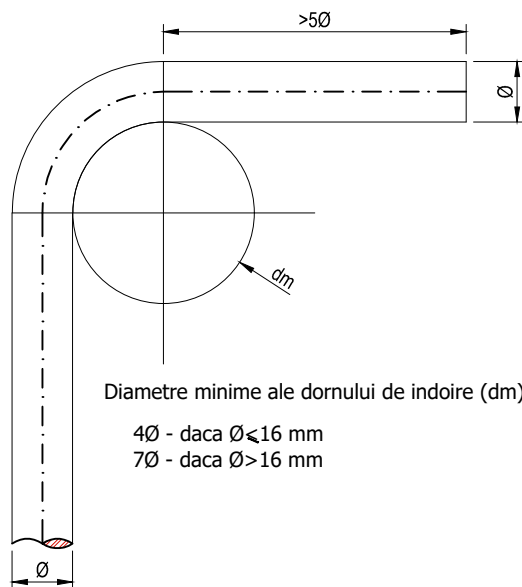


EXTRAS DE ARMATURA PENTRU UN CUZINET TIP 2

MARCA	DIAMETRU	NR BUCATI	/bucata	LUNGIMI [m]	
				/diametru	
				Ø12	Ø16
10	16	3	2.07		6.21
11	12	3	3.95	11.85	
12	12	3	3.05	9.15	
LUNGIMI TOTALE[m]				21.00	6.21
MASA [kg]	/metru			0.889	1.580
	/diametru			18.67	9.81
	totala			28.48	

CANTITATEA TOTALA DE ARMATURA				
Nr.crt.	Element	Nr. elemente asemenea	kg / element	TOTAL kg / element
1	Cuzinet Tip 1	4	78.48	313.92
2	Cuzinet Tip 2	6	28.48	170.88
CANTITATEA TOTALA / STRUCTURA				484.80

DETALIU DE INDOIRE ARMATURII
CONFORM SR EN 1992-1
Sc 1:2



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. Tudor Hoda

REVIZII		
NR. REV.	DATA	SEMN.

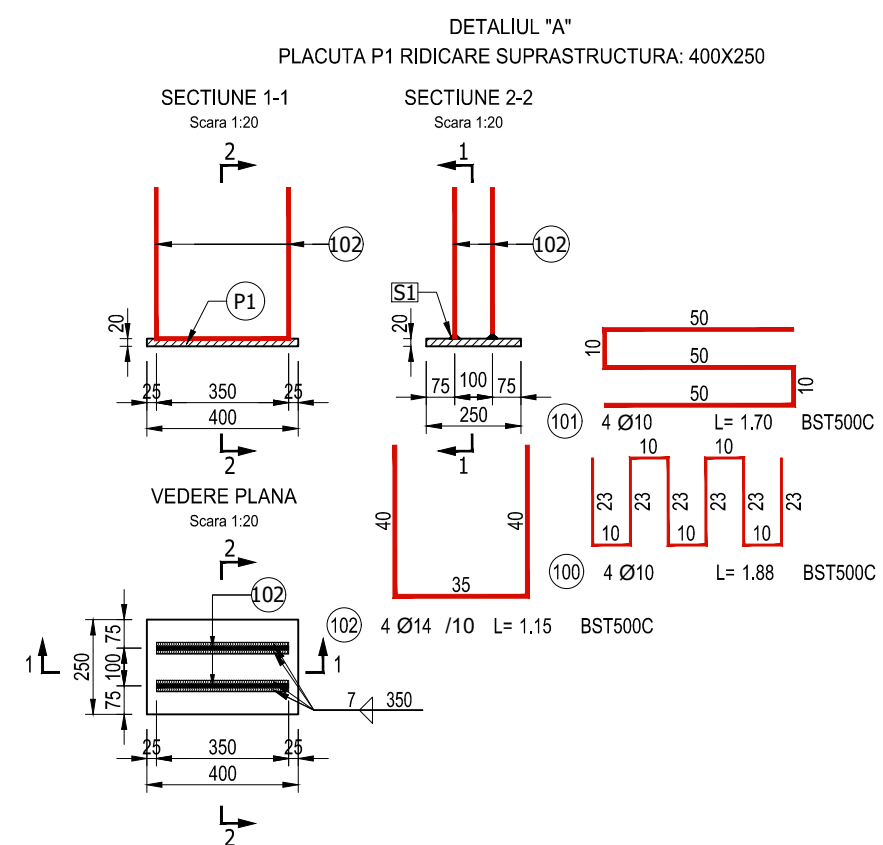
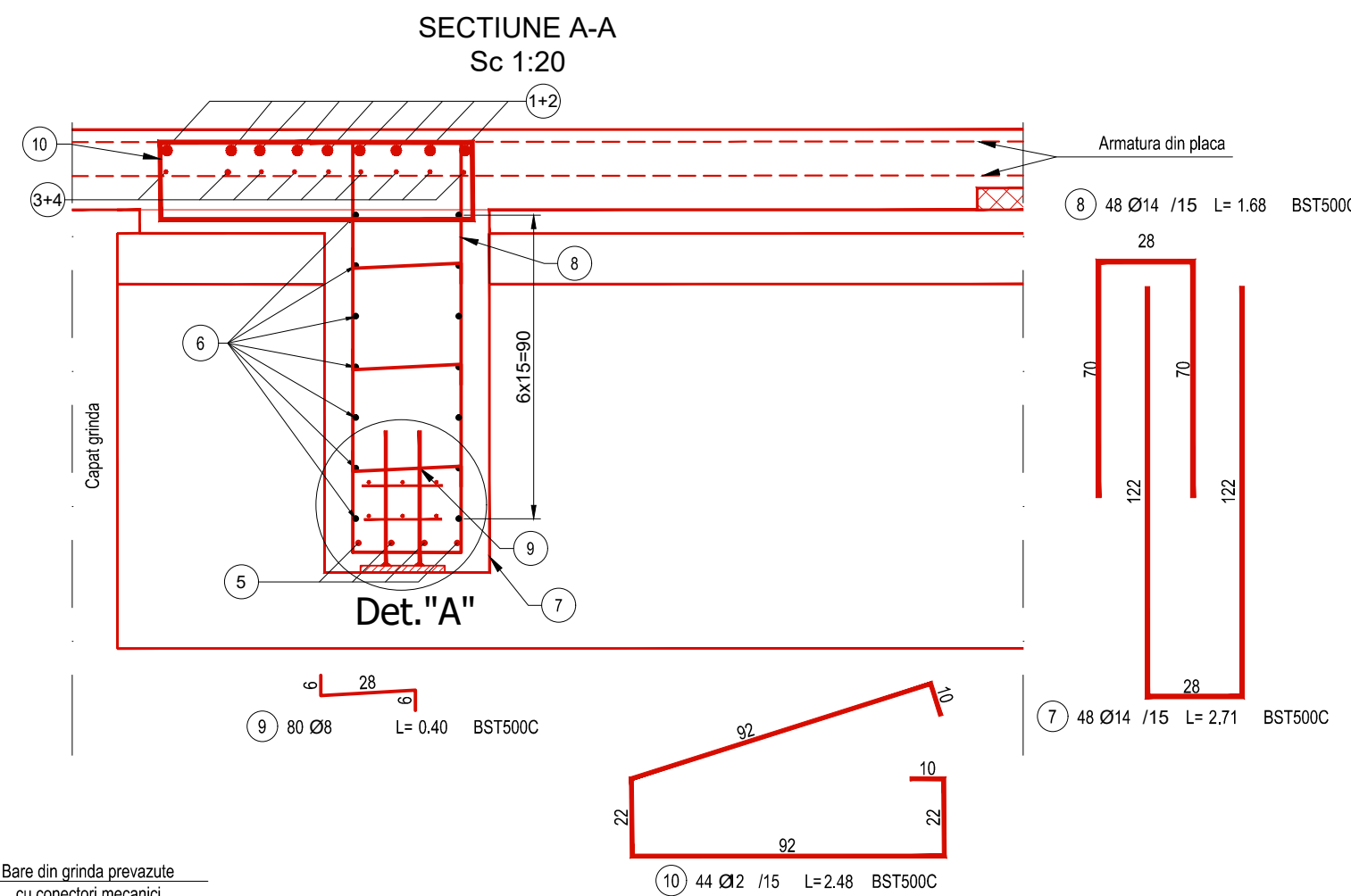
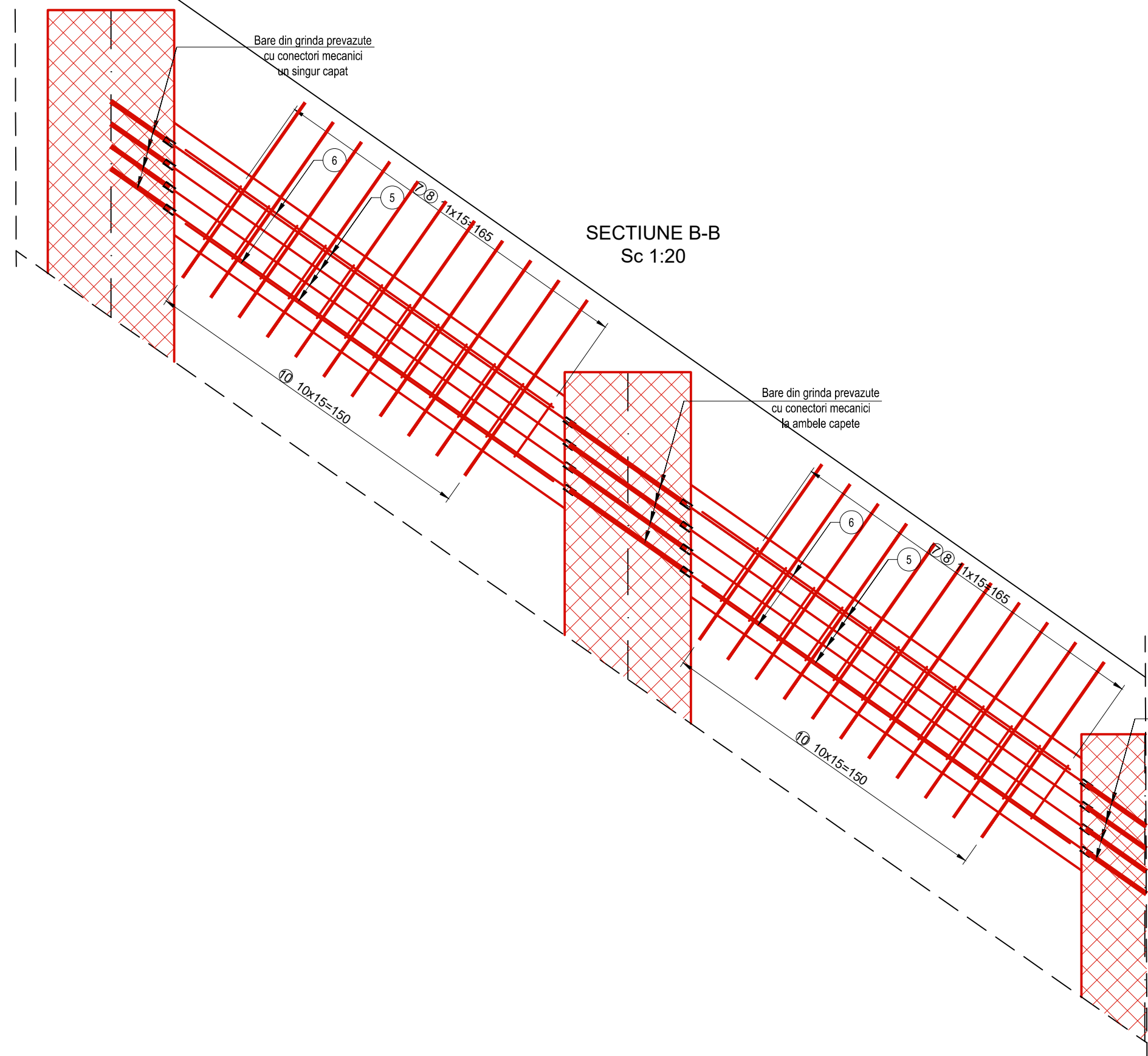
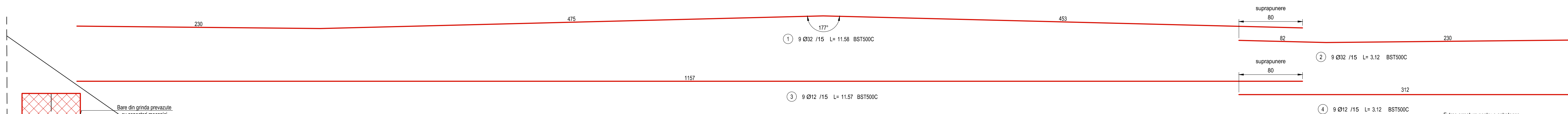
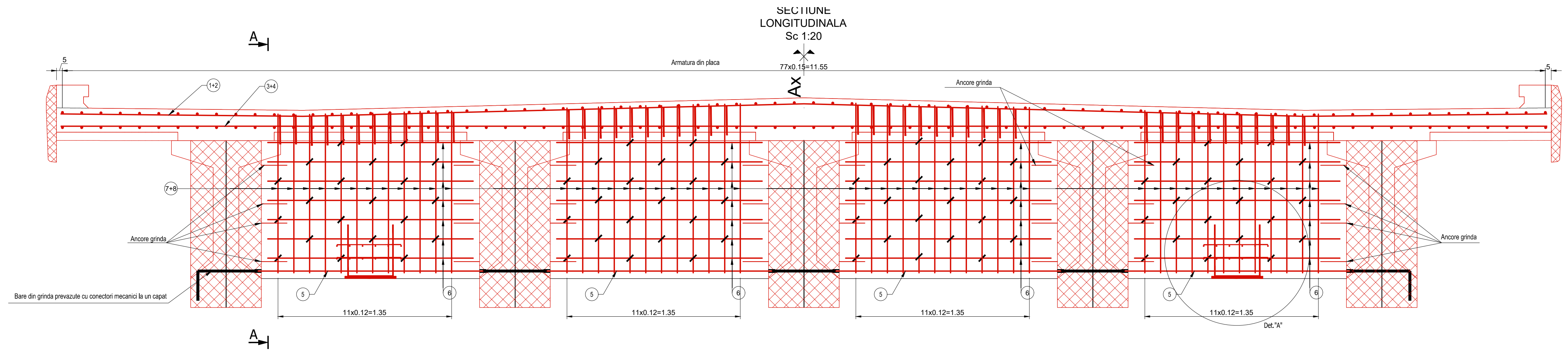
DENUMIRE PLANSA
PASAJ KM 7+156 PESTE CF 124
TIMISOARA NORD-VOITENI

PLAN ARMARE CUZINETI

Scara : 1:50 1:20 1:2

NUMAR PLANSA

10036-VOTM-STR05-AI-08



NOTA:

- Stratul minim de acoperire este 5cm;
- Toate dimensiunile barelor sunt date în ax;
- Constructorul are obligația de a verifica proiectul înainte de a proceda la execuție și de a comunica proiectantului orice nepotrivire, eroare sau neclaritate pentru a face corecțiile sau clarificările necesare.

CERINTE DE CALITATE
ANTRETOAZA

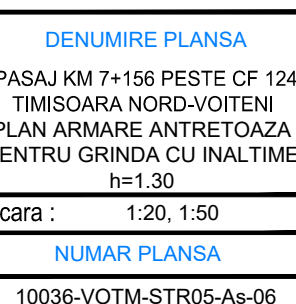
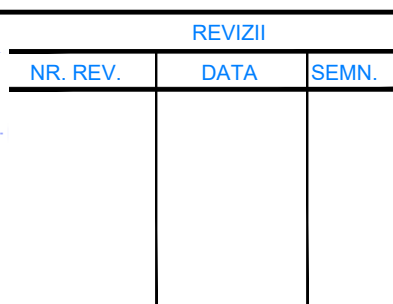
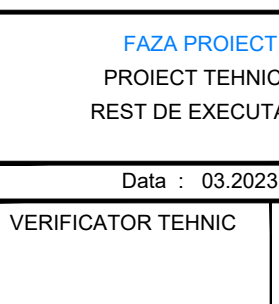
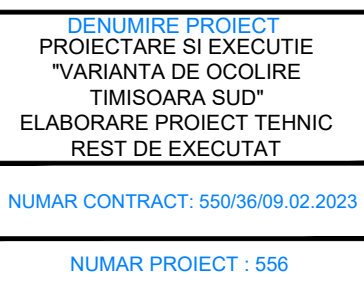
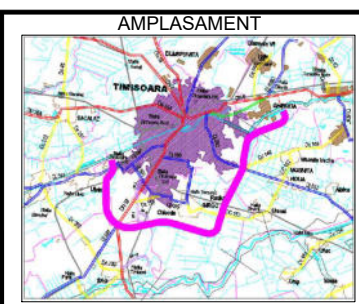
Beton: C35/45
Otel: BST500C
Clasa de expunere: XC3, XF2
Valoare max. A/C: 0.55°
Dozaj min. ciment: 340 Kg/m³

MARCA	DIAMETRU	NR BUCATI	LUNGIMI [m]					
			/diamentru					
			BST500C					
			Ø8	Ø10	Ø12	Ø14	Ø20	Ø32
1	32	9	11.58					104.22
2	32	9	3.12					28.08
3	12	9	11.57		104.13			
4	12	9	3.12		28.08			
5	20	32	1.57				50.24	
6	12	58	1.95		109.20			
7	14	48	2.71				130.08	
8	14	48	1.68				80.64	
9	8	80	0.40	32.00				
10	12	44	2.48		109.12			
100	10	4	1.88	7.52				
101	10	4	1.70	6.80				
102	14	4	1.15			4.60		
LUNGIMI TOTALE[m]			32.00	14.32	350.53	215.32	50.24	132.30
Masa /metru			0.395	0.617	0.889	1.210	2.469	6.321
Masa /diamentru			12.64	8.84	311.60	260.53	124.06	836.32
Masa totala					1553.99			

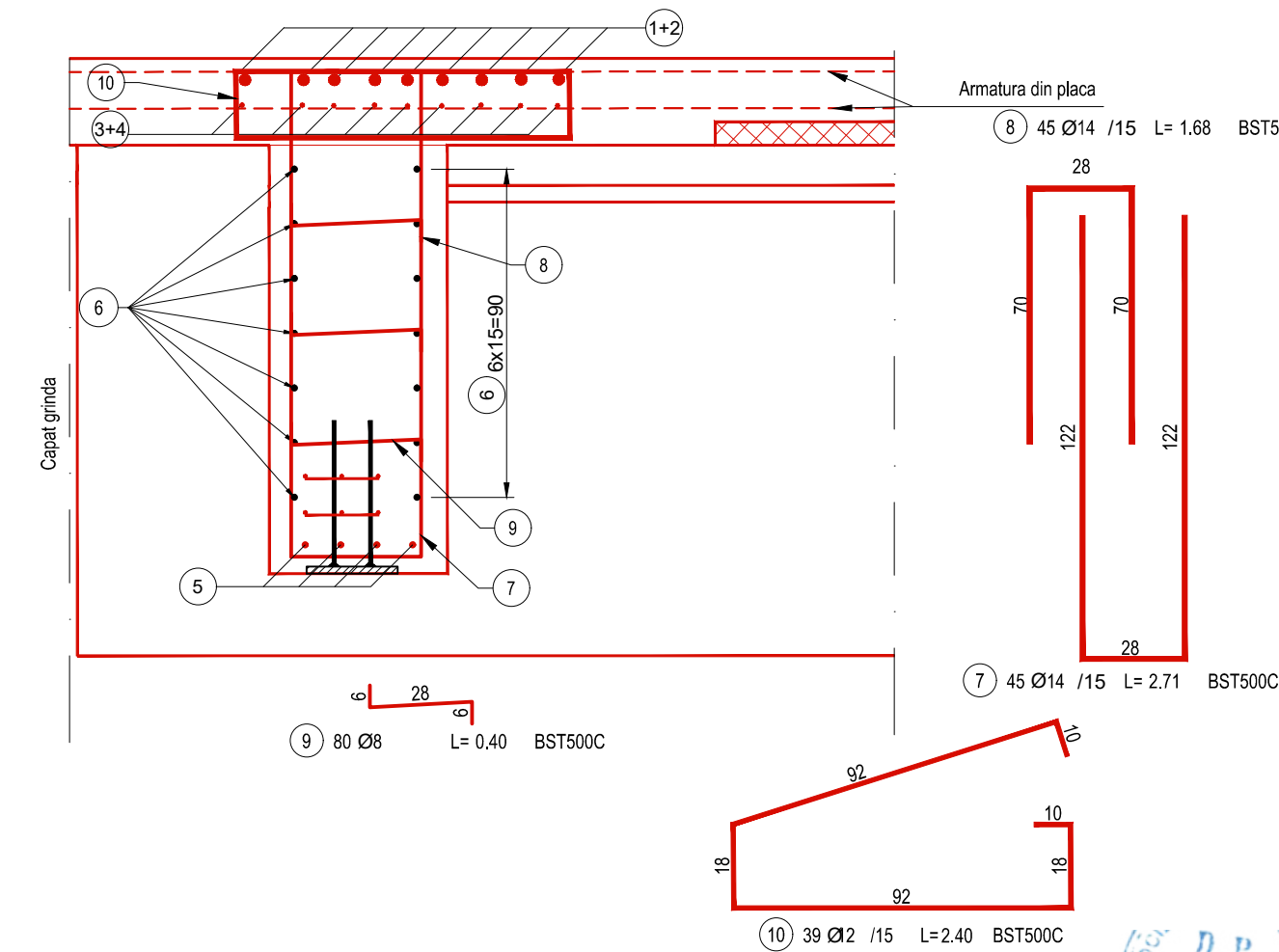
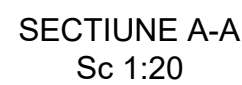
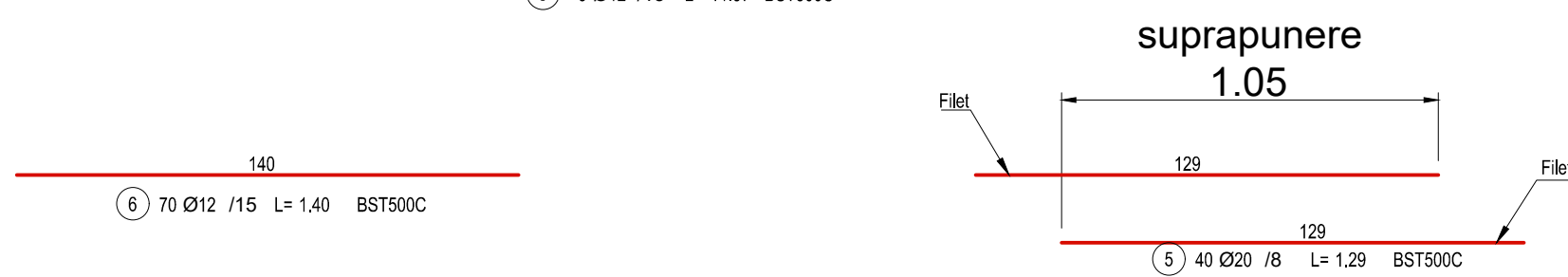
MASURATOAREA MATERIALULUI METALIC PLACUTA RIDICARE					
Nr.CRT.	POZITIE	DIMENSIUNI	TIP OTEL	LUNGIME PIESA	NR. PIESE
1	P1	20x250x400	OL37-4K	0.400	32
TOTAL MATERIAL METALIC					503.0400

TABEL SUDURI PLACUTA RIDICARE					
Piese imbricate	Tipul sudurii	Simbolul sudurii	Nr. suduri asemenea	Lungime suduri (m)	Lungimi totale suduri (m)
S1	Marca 102 cu placuta P1	Sudura de colt pe ambele parti	96	0.350	33.600
TOTAL LUNGIME (m)					33.600

greutate / antretoaza	numarul de antretoaze asemenea/structura	total kg/antretoaze /structura
1553.9900	12	18647.8800



Sc 1:20



Extras amănunțiu pentru o antrenoare										
MARCA	BUCATA	BUCATA	LUNGIME Bucata	LUNGIME INT (diametri)					BISTROUN	
				LUNGIME INT (diametri)						
				08	010	012	014	020		032
1	120	9	11,50							
2	92	9	9,12							28,00
3	120	9	11,52			106,13				
4	112	12	11,12			20,10				
5	200	40	40,00						\$160	
6	120	10	10,00							
7	120	14	14,00						120,00	
8	120	14	14,00						75,00	
9	80	160	84,00	32,00						
10	120	14	14,00					50,00		
110	120	4	8,00		7,50					
120	120	4	8,00							
130	120	4	8,00							
LUNGIME TOTALE	3070	145	145,00	323,01	0,00	51,60	132,00	51,60	132,00	
Intels	0,590	0,611	0,689	1,203	2,409	0,32				
Intels	12,84	8,84	20,00	127,42	167,00					

greutate / antretoaza	numarul de antretoaze asemenea/structura	total kg/antretoaze /structura
1517.6600	2	3035.3200

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.

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

DETALIUL "A"

PLACUTA P1 RIDICARE SUPRASTRUCTURA: 400X250

SECTIUNE 1-1
Scala 1:20

SECTIUNE 2-2
Scala 1:20

VEDERA PLANA
Scala 1:20


4 Ø10 /10 L= 1.15 BST500C

4 Ø10 /10 L= 1.70 BST500C

4 Ø10 /10 L= 1.88 BST500C

The drawing shows three views of a structural detail 'A' for a 400x250 mm slab. Section 1-1 (top left) shows a cross-section with a 20 mm thick slab, 350 mm wide, and 400 mm high. It includes a reinforcement bar (P1) and a 102 mm diameter hole. Section 2-2 (top right) shows a cross-section with a 20 mm thick slab, 350 mm wide, and 400 mm high. It includes a reinforcement bar (P1) and a 102 mm diameter hole. The Plan View (bottom) shows the top of the slab with dimensions 350 mm by 400 mm. It includes a 102 mm diameter hole and a 10 mm thick slab. The plan view also shows the reinforcement details: 4 Ø10 /10 L= 1.15 BST500C, 4 Ø10 /10 L= 1.70 BST500C, and 4 Ø10 /10 L= 1.88 BST500C.

MASURATOAREA MATERIALULUI METALIC PLACUTA RIDICARE							
NR.CRT.	POZITIE	DIMENSIUNI	TIP OTEL	LUNGIME PIESA	NR. PIESE	MASA(kg)	
						Kg/bucata	TOTAL/piesa
1	P1	20x250x400	OL37-4K	0,400	4	15.7200	62.8800
TOTAL MATERIAL METALIC							62.8800

TABEL SUDURI PLACUTA RIDICARE							
	Piese imbinat	Tipul sudurii	Simbolul sudurii	Nr. suduri asemenea	Lungime suduri (m)	Lungimi totale suduri (m)	Observatii
S1	Marca 102 cu placuta P1	Sudura de colt pe ambele parti		16	0.350	5.600	SR EN ISO 9692-1:2004
TOTAL LUNGIME (m)						5.6000	

INVESTITOR



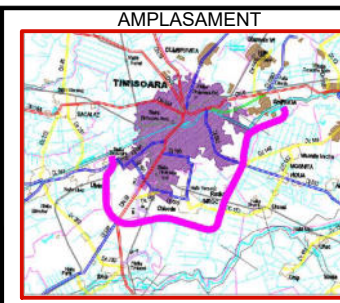
COMPANIA NATIONALA DE ADMINISTRARE
A INFRASTRUCTURII RUTIERE S.A.

PROIECTANT GENERAL

THE WAY TO DATE 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
EST DE EXECUTAT

Data : 03.2023

[illegible]

Manager de Proiect
ing. Silvan Moldova
Sef Echipa Proiectare

Inginer Proiectant Re

Inginer Proiectant

ing. Tudor Hoda

REVIZII			DENUMIRE PLANSĂ
NR. REV.	DATA	SEM.N.	
			PASAJ KM 7+156 PESTE CF 124 TIMISOARA NORD-VOTENI PLAN ARMARE ANTRETROAZA PENTRU GRINDA CU INALTIMEA h=1.40 Scara : 1:20, 1:50
			NUMAR PLANSĂ
			10036-VOTM-STRO5-As-07

