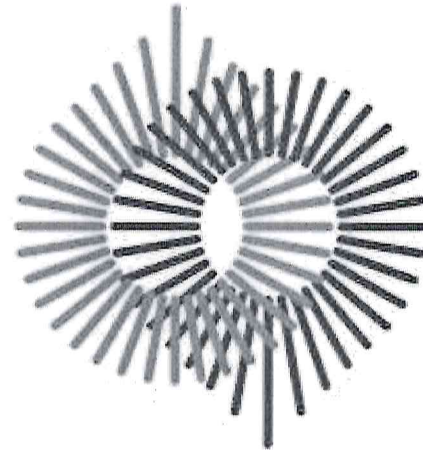


SOCIETATEA PE ACȚIUNI



TERMŌELECTRICA · S · A ·

PROIECT DE EXECUȚIE

**RECONSTRUCȚIA PUNCTULUI TERMIC CENTRAL 5082 DIN
STR. MITR. BĂNULESCU BODONI, 11/1 MUN. CHIȘINĂU**

Nr. 30/25 – C
CONSTRUCȚII

CHIȘINĂU 2025

Nr. de inventar
Semnatura si Data
In schimb Nr. inv

BORDEROUL DESENELOR SETULUI DE BAZA

Foaia	Denumirea	Nota
1	Date generale	
2	Schema amplasarii	
3	Platforma P-1	
4	Schema amplasarii fundatiilor platformei P-1	
5	Plasa PI-1; PI-2	
6	Platforma P-1. Specificata tehnica	
7	Suportul Sup.1	
8	Detaliul metalic Dm1;Dm2	
9	Suportul Sup.2	
10	Suportul Sup.3	

Lista lucrarilor, pentru care e obligatoriu intocmirea actelor ale lucrarilor ascunse:

1. Armarea fundatiilor si suporturilor
2. Betonarea fundatiilor si suporturilor
3. Sudarea constructiilor din metal
4. Masurile anticorodive pentru constructiile din metal

Coordonat:

Consilier al conducatorului intreprinderii

G Glingean Nicolae

Proiectul este elaborat în conformitate cu standardele si prevederile actelor legislative si normative în vigoare si asigura cerintele fundamentale aplicabile constructiilor, prevazute de COD Nr. 434 al Urbanismului si Constructiilor:

- Cerinta 1 – Integritatea structurala a constructiilor;
Cerinta 2 – Protectia constructiilor împotriva incendiilor;
Cerinta 3 – Protectia lucratorilor împotriva efectelor negative asupra conditiilor de igiena si sanatatii, determinate de constructii;
Cerinta 4 – Protecția lucratorilor si utilizatorilor constructiilor împotriva vatamarilor corporale, determinate de constructii;
Cerinta 5 – Rezistenta la propagarea sunetului si proprietatile acustice ale constructiilor;
Cerinta 6 – Eficienta energetica si performanta termica a constructiilor;
Cerinta 7 – Prevenirea emisiilor periculoase în mediul ambiant, determinate de constructii;
Cerinta 8 – Utilizarea durabila

Constructor principal

A /A.Barbaneagra/

BORDEROUL DESENELOR SETULUI DE BAZA

Foaia	Denumirea	Nota
11	Suportul Sup.4	
12	Suportul Sup.5	
13	Suportul Sup.6	
14	Suportul Sup.7	
15	Suportul Sup.8	

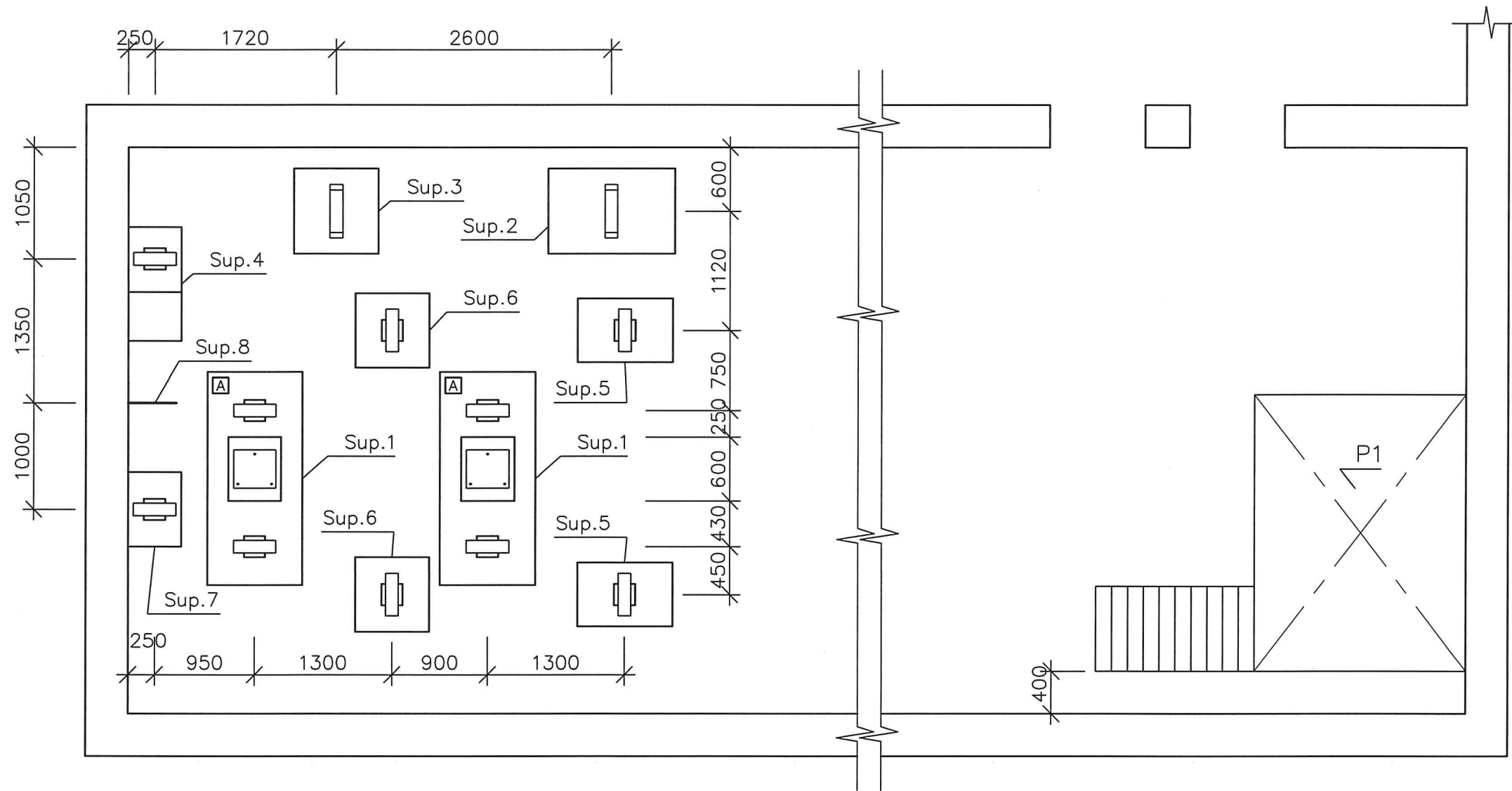
- 1.Proiectul de executie este elaborat in baza sarcinii de proiectare (conform compartimentului "SM")
- 2.Fundatiile suporturilor de executat cu vibrare intensa pe sol compactat
- 3.Umplerea cavitatilor de sapatura de executat in straturi cu lut local (hstr.=15÷20cm), compactat pina la densitatea scheletului solului nu mai putin de 1,65t/m³
- 4.Lucrarile de pamint de executat conform cerintelor capitolului NCM F.01.03-2009 "Reguli de executie, controlul calitatii si receptia terenurilor de fundare si fundatiilor"
- 5.Lucrarile de sudura de executat conform ГОСТ 5264-80 "Ручная дуговая сварка. Соединения сварные. Основные типы, конструктивные элементы и размеры"
- 6.Inaltimea catetei sudurii de primit egala cu cea mai mica grosime dintre elementele de sudat
- 7.Constructiile metalice de vopsit de 2 ori cu vopsea XB-125 (ТУ 6-27-87-98) pe grund XC 010 (ГОСТ 9355-81)
- 8.Protectia anticorodiva de executat conform capitolului CP E.04.03-2005 "Protectia anticorosiva a constructiilor si instalatiilor"
- 9.Betonarea constructiilor de executat conform cerintelor NCM F.02.03-2005 "Executarea, controlul calitatii si receptia lucrarilor din beton si beton armat monolit"
- 10.Toate lucrarile de executat strict conform cerintelor capitolului NCM A.08.02:2014 "Securitatea si sanatatea muncii in constructii"
- 11.Dimensiunile marcate cu semnul "*" de precizat la fata locului

CP certificat: Seria 2024-P Nr.1281 din 07.10.2024

n46 din 30.05.25

						30/25-C		
modif.	sect.	Planşa	Nr.doc.	Semnat	data	Reconstructia Punctului Termic Central 5082 din str. Banulescu Bodoni 11/1, mun. Chisinau		
DIRECTOR		RAZLOVAN			05.25	Solutii termomecanice		
GENERAL								
Inginer-Sef		Burujana			05.25	Date generale		
Sef SDG		Virlan						
Sefa SPIOM		Bugaian				Faza		
Sef adj. SPIOM		Helbeti						
Sef ScP		Ghersun				PE	1	15
Inginer		Barbaneagra						

Schema amplasarii

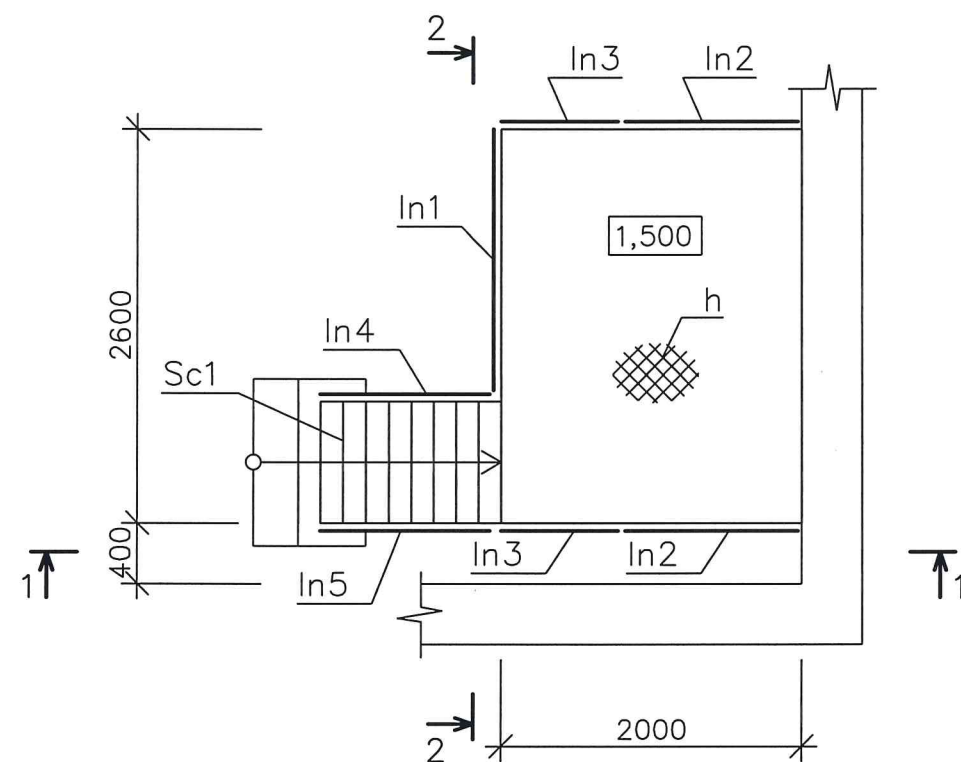


Specificatia la schema amplasarii

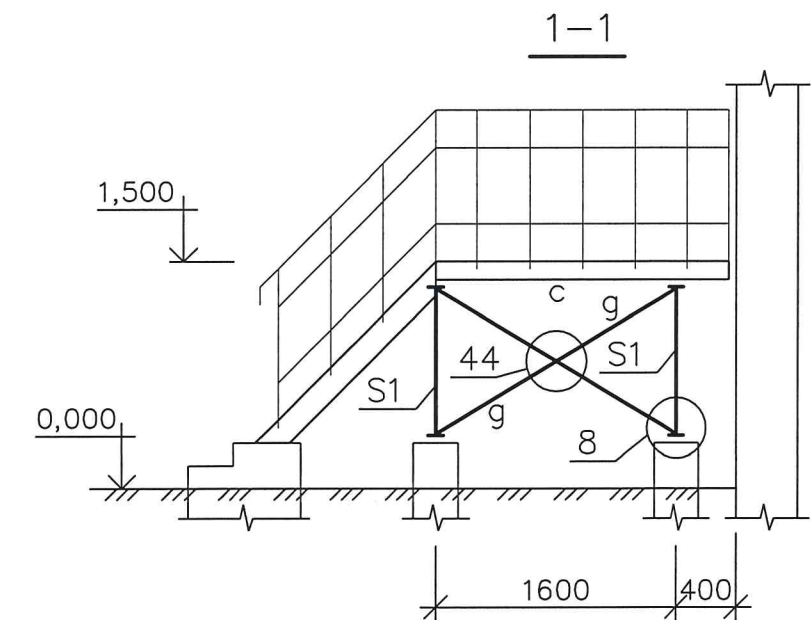
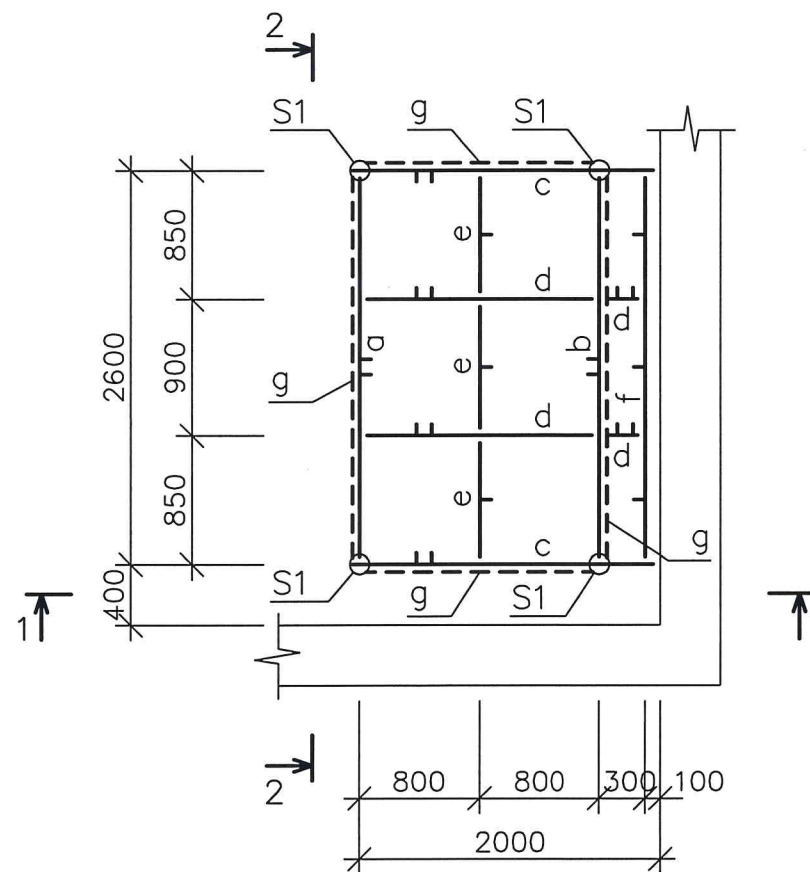
Marca Poz.	M A R C A R E A	D E N U M I R E A	Cant.	Masa unit.kg	Nota
P1	plansa 3	Platforma P1	1		
Sup.1	plansa 7	Suportul Sup.1	2		
Sup.2	plansa 9	Suportul Sup.2	1		
Sup.3	plansa 10	Suportul Sup.3	1		
Sup.4	plansa 11	Suportul Sup.4	1		
Sup.5	plansa 12	Suportul Sup.5	2		
Sup.6	plansa 13	Suportul Sup.6	2		
Sup.7	plansa 14	Suportul Sup.7	1		
Sup.8	plansa 15	Suportul Sup.8	1		

						30/25-C			
						Reconstructia Punctului Termic Central 5082 din str. Banulescu Bodoni 11/1, mun. Chisinau			
modif.	sect.	Plansa	Nr.doc.	Semnat	data	Solutii termomecanice		Faza	Plansa
								PE	2
Inginer		Barbaneagra			05.25	Schema amplasarii			

Planul platformei P-1

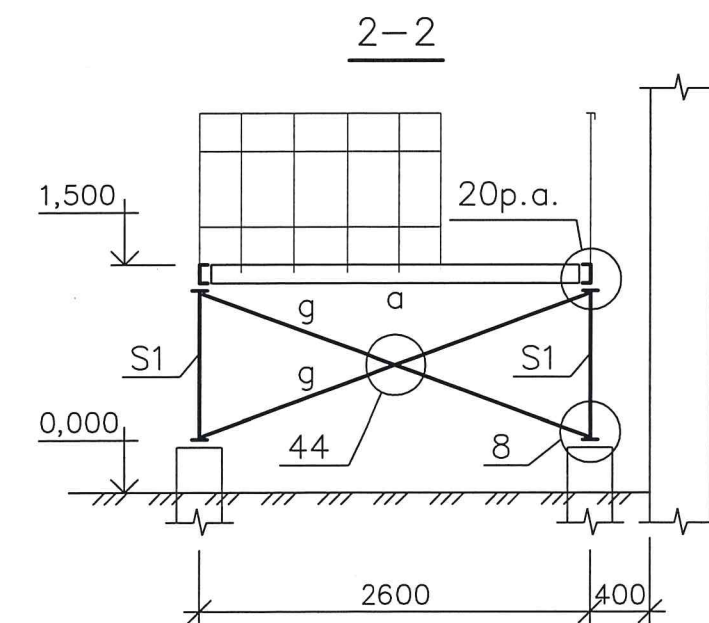


Schema platformei P-1



Specificatia platformei P-1

Marca Poz.	M A R C A R E A	D E N U M I R E A	Cant.	Masa unit.kg	Nota
Fm1	plansa 4	Fundatie Fm1	4		
Fm2	la fel	Fundatie Fm2	1		
In1	seria 1.450.3-3, ed.0	Ingradire ОГПМГЭ6-10.18	1	31,2	
In2	la fel	Ingradire ОГПМГЭ6-10.12	2	20,9	
In3	la fel	Ingradire ОГПМГЭ6-10.9	2	17,9	scurtata
In4	la fel	Ingradire ОГЛМЛГ45-10.12	1	15,1	
In5	la fel	Ingradire ОГнМЛГ45-10.12	1	15,1	
Sc1	la fel	Scara МЛГФ45-12.8	1	82,5	



Nodurile sint marcate conform seriei 2.440-1, ed.6, cu exceptia cazurilor indicate

						30/25-C			
						Reconstructia Punctului Termic Central 5082 din str. Banulescu Bodoni 11/1, mun. Chisinau			
modif.	sect.	Plansa	Nr.doc.	Semnat	data	Solutii termomecanice		Faza	Plansa
								PE	3
Inginer		Barbaneagra			05.25	Platforma P-1		TERMOELECTRICA S.A.	

Technical drawing of a mechanical part, likely a bracket or support structure, showing dimensions and labels.

Dimensions:

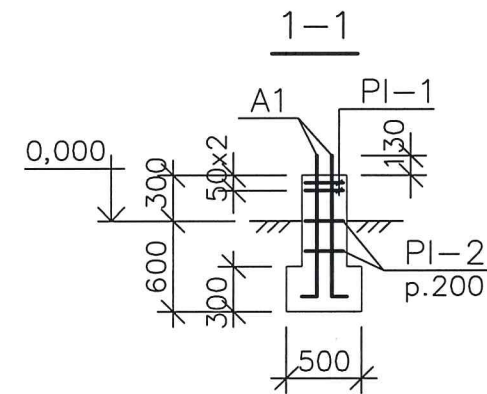
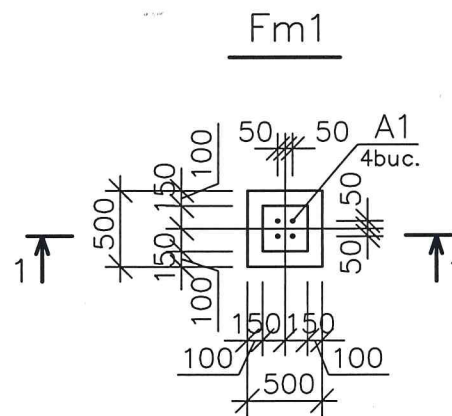
- Overall width: 1600
- Overall height: 2600
- Top horizontal segment: 750
- Bottom horizontal segment: 400
- Vertical segment between horizontal lines: 900*
- Vertical segment between horizontal lines: 400
- Vertical segment between horizontal lines: 250
- Vertical segment between horizontal lines: 1100

Labels:

- Fm1 (Four locations)
- Fm2 (One location)

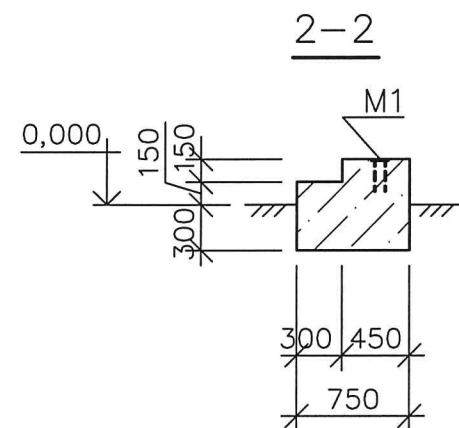
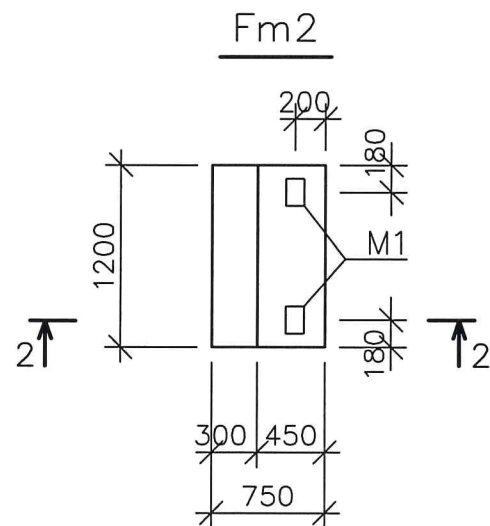
Features:

- Four square holes, each containing a cross (+).
- Two rectangular slots on the left side.
- Break lines (zigzag lines) indicating the part continues.

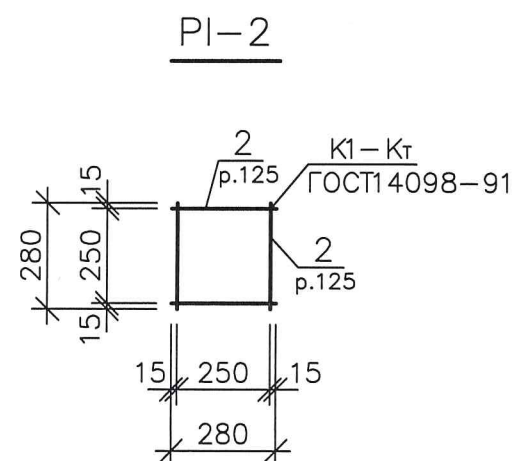


Borderoul elementelor	
Poz.	Schita
A1	

Marca Poz.	M A R C A R E A	D E N U M I R E A	Cant.	Masa unit.kg	Nota
		<u>Fm1</u>			
A1	plansa data	A-I-20, ΓOCT5781-82, L=1060	4	2,62	
PI-1	plansa 5	Plasa PI-1	2	0,36	
PI-2	la fel	Plasa PI-2	2	0,18	
		<u>Materiale:</u>			
		Beton clasa B15	0,13		M3
		<u>Fm2</u>			
M1	seria 3.400-6/76, p.19	Inglobata M11-18	2	1,7	
		<u>Materiale:</u>			
		Beton clasa B15	0,45		M3

[illegible]

						30/25-C				
						Reconstructia Punctului Termic Central 5082 din str. Banulescu Bodoni 11/1, mun. Chisinau				
modif.	sect.	Plansa	Nr.doc.	Semnat	data					
						Solutii termomecanice		Faza	Plansa	Planse
								PE	4	
Inginer	Barbaneagra				05.25	Schema amplasarii fundatiilor platformei P-1		 TERMoelectrica S.A.		



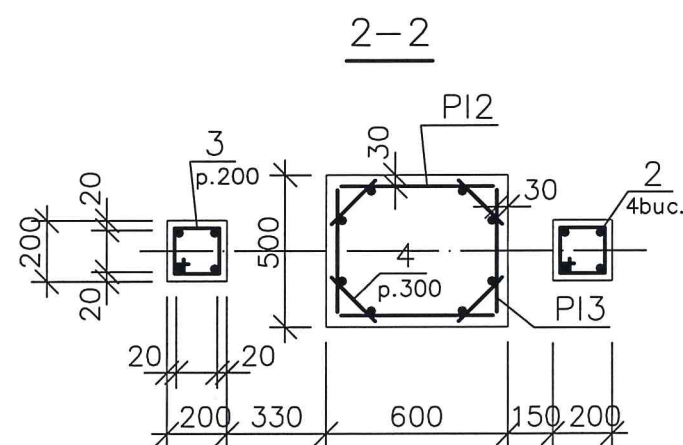
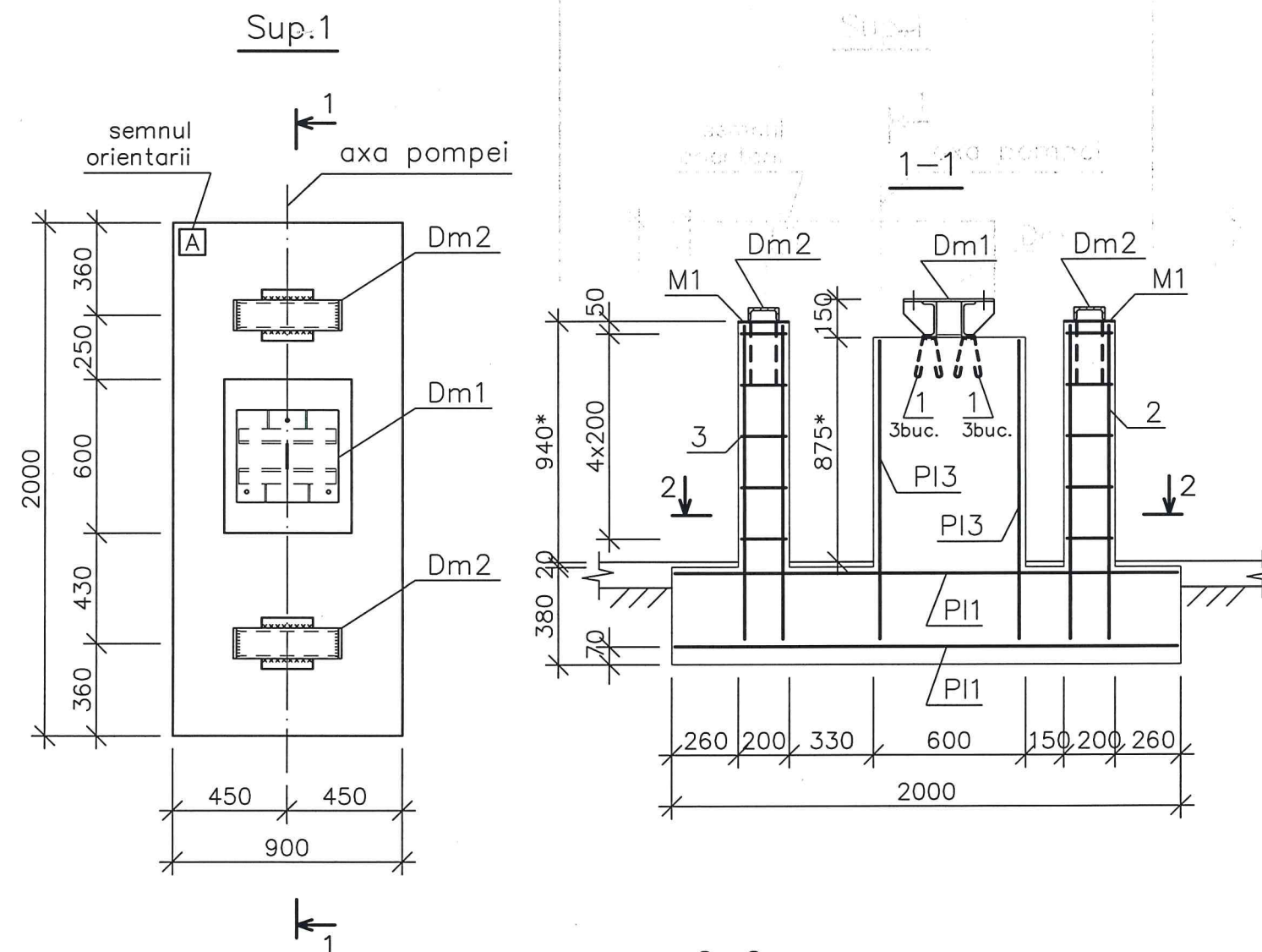
Marca Poz.	M A R C A R E A	D E N U M I R E A	Cant.	Masa unit.kg	Nota
		<u>Plasa PI-1</u>			
1	plansa data	Bp-I-4, ГОСТ6724-80,L= 280	12	0,03	
		<u>Plasa PI-2</u>			
2	plansa data	Bp-I-4, ГОСТ6724-80,L= 280	6	0,03	

						30/25-C					
						Reconstructia Punctului Termic Central 5082 din str. Banulescu Bodoni 11/1, mun. Chisinau					
modif.	sect.	Plansa	Nr.doc.	Semnat	data	Solutii termomecanice			Faza	Plansa	Planse
									PE	5	
Inginer		Barbaneagra			05.25	Plasa PI-1; PI-2			 TERMoelectrica S.A.		

Borderoul elementelor									
Marca	Denumirea			Reactii de suport			Grupa constr.	Marca metalului	Nota
	Schita	poz.	Compozitie	M tpm	N tp	Q tp			
S1		1	2L63x5	constructiv				C235	
		2	—8	constructiv				la fel	
a			C12Y	deviere verticala				la fel	
b			C12Y	deviere verticala				la fel	
c			C12Y	deviere verticala				la fel	
d			C12Y	deviere verticala				la fel	
e			L50x5	constructiv				la fel	
f			L50x5	constructiv				la fel	
g			L50x5	constructiv				la fel	
h			—5 riffing	constructiv				la fel	

Specificatia tehnica a metalului						
N n/n	DENUMIREA	profil	Marca metalului si FOCT	Masa totala,kg		
				P-1		
1	Profil U FOCT 8240-97	C12Y	C 235 FOCT 27772-88	137,3		
2	Cornier FOCT 8509-93	L50x5		90,5		
3		L63x5		39,6		
4	Benzi de otel FOCT 103-76	—8		50,3		
5		—12		27,2		
6	Tabla de otel riffing FOCT 8568-77	—5 riffing		220,0		
Total:				564,9		
Metal de sudura 1%:				5,7		
Metal fara evidenta 3%:				17,1		
De tot:				587,7		

						30/25-C			
						Reconstructia Punctului Termic Central 5082 din str. Banulescu Bodoni 11/1, mun. Chisinau			
modif.	sect.	Plansa	Nr.doc.	Semnat	data	Solutii termomecanice	Faza	Plansa	Planse
							PE	6	
Inginer		Barbaneagra			05.25	Platforma P-1. Specificata tehnica			



Specificatia suportului Sup.1

Marca Poz.	M A R C A R E A	D E N U M I R E A	Cant.	Masa unit.kg	Nota
Dm1	plansa 8	Detaliu metalic Dm1	1	5,77	
Dm2	la fel	Detaliu metalic Dm2	2	4,84	
PI1	ГОСТ 23279-85	4C $\frac{8AIII-200}{8AIII-200}$ 85x195 $\frac{75}{25}$	2	7,21	
PI2	la fel	4C $\frac{10AIII-300}{6AI-300}$ 50x120 $\frac{25+575}{100}$	2	1,83	
PI3	la fel	4C $\frac{10AIII-200}{6AI-300}$ 40x120 $\frac{25+575}{100}$	2	1,76	
1	plansa data	A-I-8, ГОСТ 5781-82, L= 510	6	0,21	
2	la fel	A-III-10, ГОСТ 5781-82, L= 1250	8	0,78	
3	la fel	A-I-6, ГОСТ 5781-82, L= 790	10	0,18	
4	la fel	A-I-6, ГОСТ 5781-82, L= 315	12	0,07	
M1	s.3.400-6/76, c.19	Inglobata MM1-24	2	2,3	
Materiale:					
		Beton clasa B15	1,04		M3

Borderoul elementelor

Poz.	Schita
1	
3	
4	

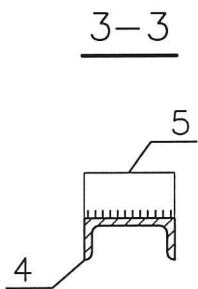
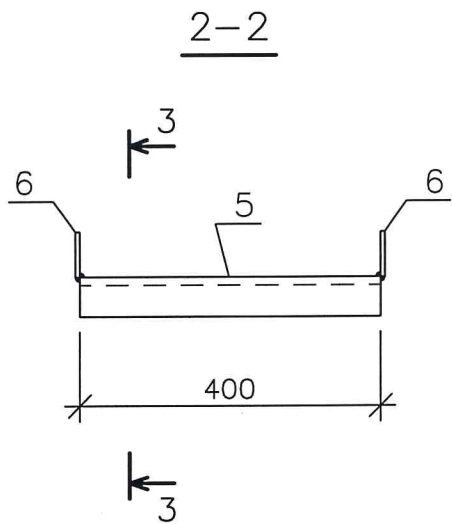
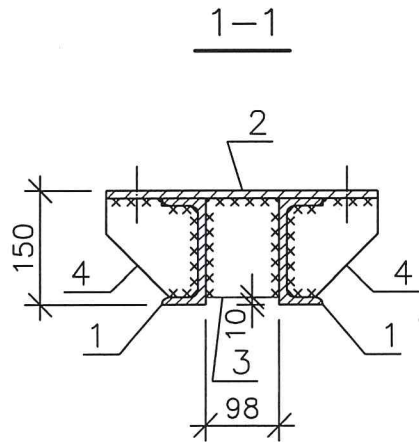
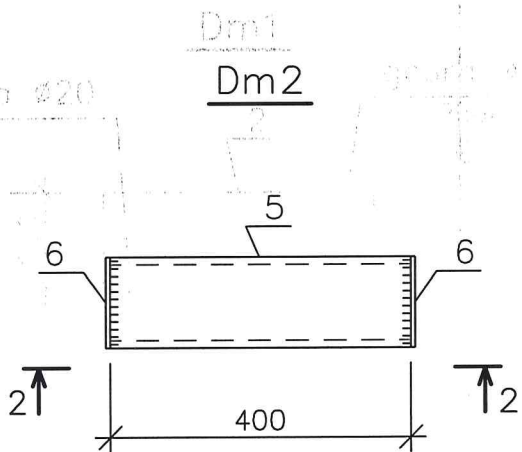
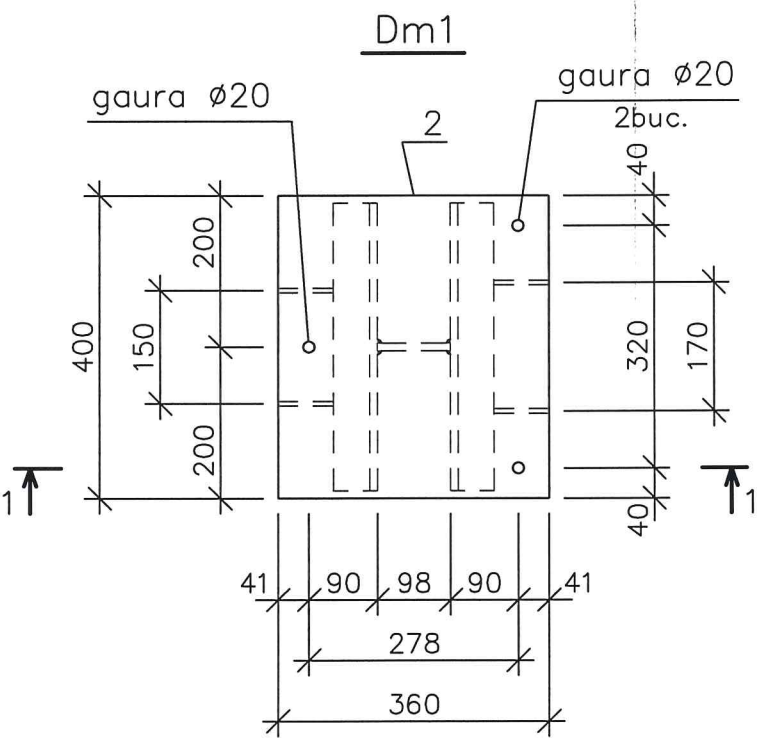
Borderoul consumului de metal la un element, kg

Element de marca	Articole armatura						Articole inglobate						De tot
	Clasa armaturii									Laminate			
	A—I			A—III						C235			
	ГОСТ 5781—82									ГОСТ 103—76			
	Ø6	Ø8	Total	Ø8	Ø10	Total	Ø8		Total	Ø6	Total	Total	
Sup.1	3,86	0,84	4,70	14,42	12,2	26,62	0,8		0,8	3,8	4,70	3,8	35,92

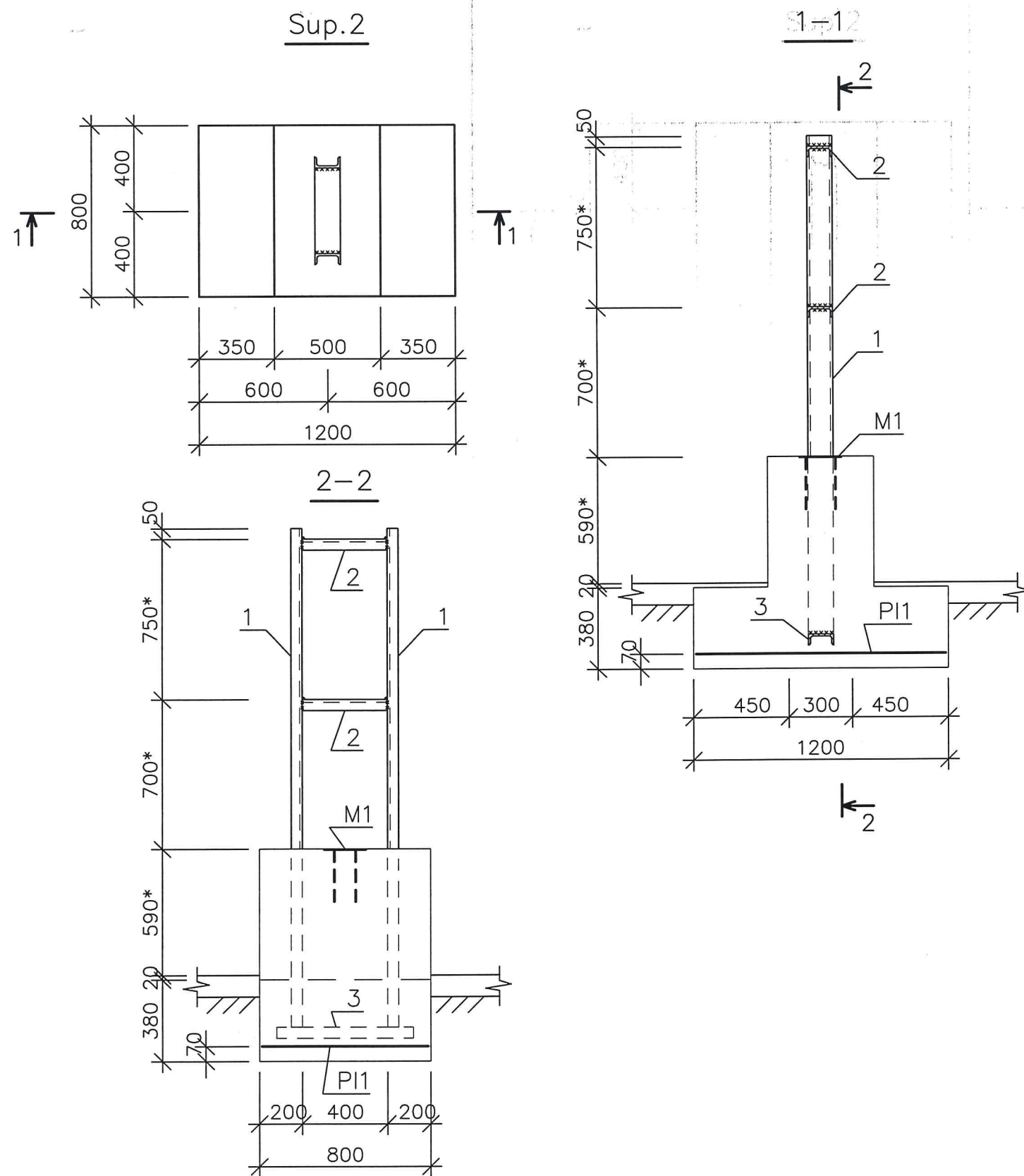
							30/25-C					
							Reconstructia Punctului Termic Central 5082 din str. Banulescu Bodoni 11/1, mun. Chisinau					
modif.	sect.	Plansa	Nr.doc.	Semnat	data		Solutii termomecanice					
							Faza Plansa Planse					
							PE 7					
Inginer	Barbaneagra				05.25		Suportul Sup.1					
							"Termoelectrica" S.A.					

Specificatia detaliilor metalice

Marca Poz.	M A R C A R E A	D E N U M I R E A	Cant.	Masa unit.kg	Nota
		<u>Dm1</u>			
1	plansa data	[14Y, ГОСТ8240-97, L= 380	2	4,68	
2	la fel	-10x360x400, ГОСТ82-70	1	11,3	
3	la fel	-10x98x130, ГОСТ103-76	1	1,0	
4	la fel	-6x110x140, ГОСТ103-76	4	0,73	
		<u>Dm2</u>			
5	plansa data	[12Y, ГОСТ8240-97, L= 400	1	4,16	
6	la fel	-6x60x120, ГОСТ103-76	2	0,34	



						30/25-C		
						Reconstructia Punctului Termic Central 5082 din str. Banulescu Bodoni 11/1, mun. Chisinau		
modif.	sect.	Plansa	Nr.doc.	Semnat	data	Solutii termomecanice	Faza	Plansa
							PE	8
						Detaliul metalic Dm1;Dm2		
Inginer		Barbaneagra			05.25			



Borderoul consumului de metal la un element, kg

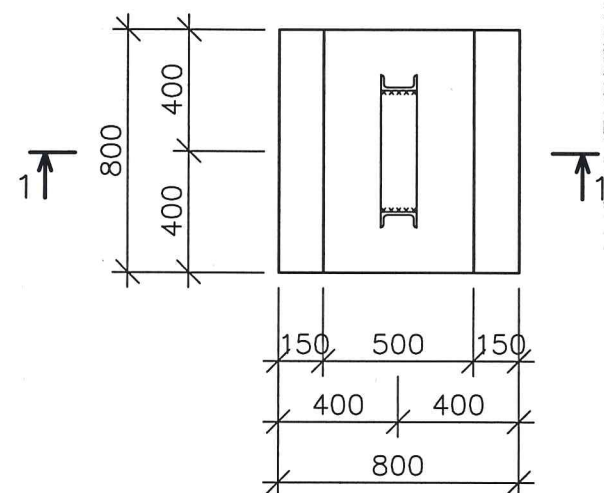
Element de marca	Articole armatura				Articole inglobate						De toti
	Clasa armaturii				Lamine						
	A—III				C235						
	ГОСТ 5781—82				ГОСТ 103—76						
	Ø8			Total	Ø8		Total	—6	Ø8	Total	
Sup.2	3,40			3,40	0,4		0,4	1,9	3,40	1,9	5,70

Specificatia suportului Sup.2

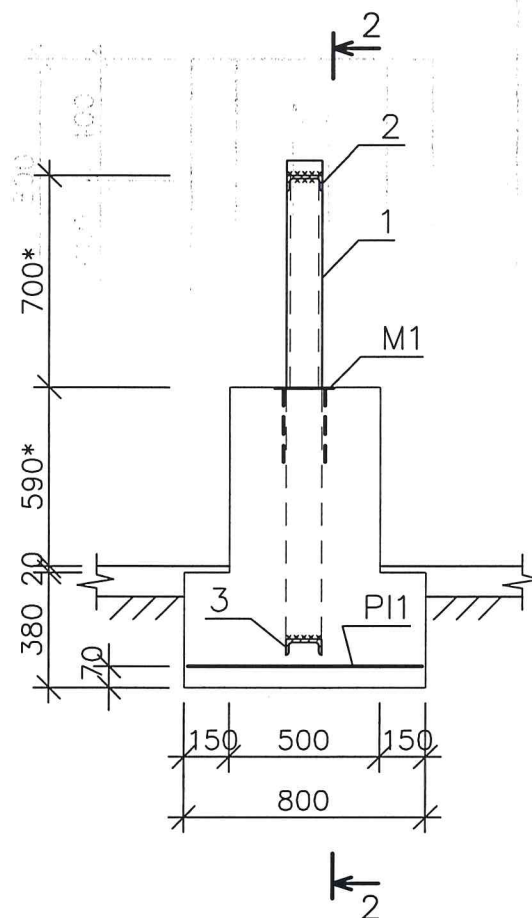
Marca Poz.	M A R C A R E A	D E N U M I R E A	Cant.	Masa unit.kg	Nota
PI1	ГОСТ 23279-85	4C 8AIII-200 75x15 75/75	1	3,40	
M1	s.3.400-6/76, c.19	Inglobata M1-24	1	2,3	
1	plansa data	[12Y, ГОСТ 8240-97, L= 2330	2	24,3	
2	la fel	[12Y, ГОСТ 8240-97, L= 400	2	4,16	
3	la fel	[12Y, ГОСТ 8240-97, L= 640	1	6,66	
Materiale:					
		Beton clasa B15	0,61		M3

						30/25-C		
						Reconstructia Punctului Termic Central 5082 din str. Banulescu Bodoni 11/1, mun. Chisinau		
modif.	sect.	Plansa	Nr.doc.	Semnat	data	Solutii termomecanice		
						Faza	Plansa	Planse
						PE	9	
Inginer Barbaneagra						Suportul Sup.2		
						TERMOELECTRICA S.A.		

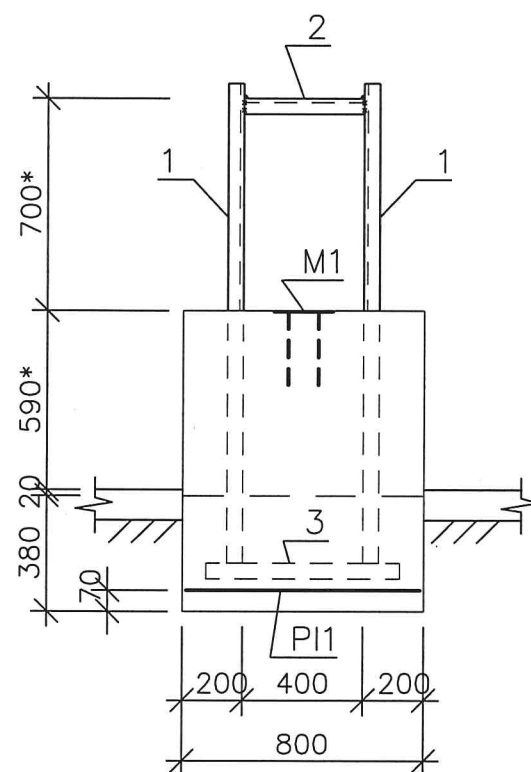
Sup.3



1-1



2-2



Specificatia suportului Sup.3

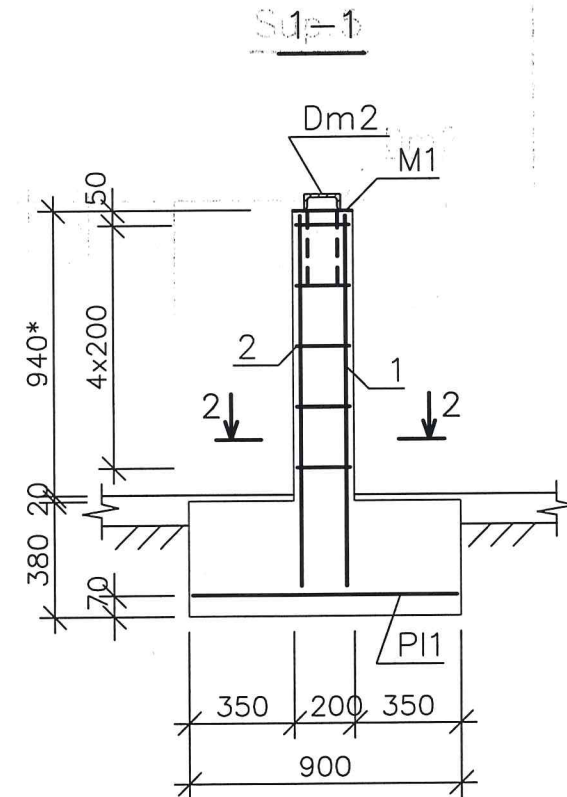
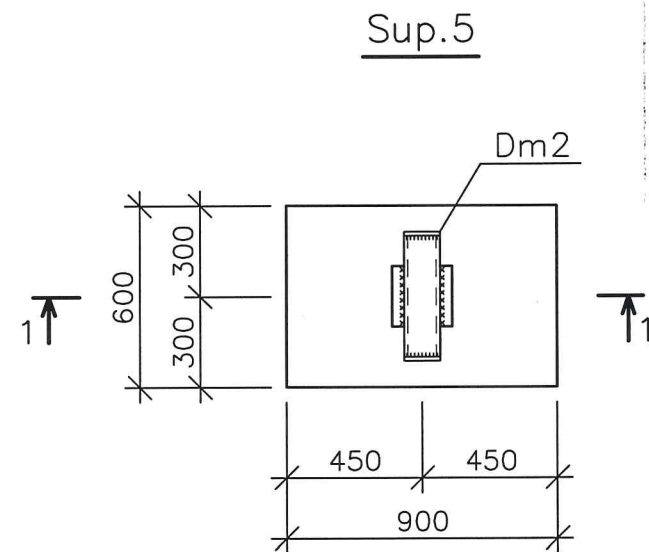
Marca Poz.	M A R C A R E A	D E N U M I R E A	Cant.	Masa unit.kg	Nota
PI1	ГОСТ 23279-85	4C 8AIII-200 75x75 75/75	1	2,37	
M1	s.3.400-6/76, c.19	Inglobata M1-24	1	2,3	
1	plansa data	[12Y, ГОСТ 8240-97, L=1580	2	16,5	
2	la fel	[12Y, ГОСТ 8240-97, L=400	1	4,16	
3	la fel	[12Y, ГОСТ 8240-97, L=640	1	6,66	
Materiale:					
		Beton clasa B15	0,49		M3

Borderoul consumului de metal la un element, kg

Element de marca	Articole armatura				Articole inglobate						De tot
	Clasa armaturii						Laminate				
	A-III						C235				
	ГОСТ 5781-82						ГОСТ 103-76				
	ø8			Total	ø8		Total	-6	ø8	Total	
Sup.3	2,37			2,37	0,4		0,4	1,9	2,37	1,9	4,67

						30/25-C		
						Reconstructia Punctului Termic Central 5082 din str. Banulescu Bodoni 11/1, mun. Chisinau		
modif.	sect.	Plansa	Nr.doc.	Semnat	data	Solutii termomecanice	Faza	Planse
							PE	10
Inginer	Barbaneagra				05.25	Suportul Sup.3		

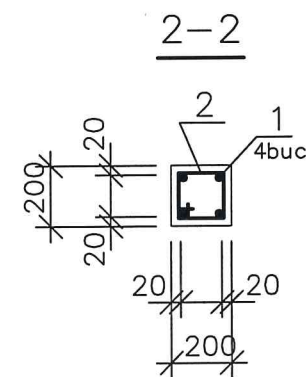
Specificatia suportului Sup.5



Marca Poz.	M A R C A R E A	D E N U M I R E A	Cant.	Masa unit.kg	Nota
Dm2	plansa 8	Detaliu metalic Dm2	1	4,84	
PI1	ГОСТ 23279-85	4C $\frac{8AIII-200}{8AIII-200}$ 55x85 $\frac{25}{75}$	1	2,10	
1	la fel	A-III-10, ГОСТ 5781-82, L= 1250	4	0,78	
2	la fel	A-I-6, ГОСТ 5781-82, L= 790	5	0,18	
M1	s.3.400-6/76, c.19	Inglobata MИ1-24	1	2,3	
		<u>Materiale:</u>			
		Beton clasa B15	0,25		M3

Borderoul elementelor

Poz.	Schita
2	A diagram showing a rectangular area. The left vertical side is labeled 160. The top horizontal side is labeled 230. A dashed vertical line extends from the top right corner of the rectangle down to the bottom horizontal line. The total length of the bottom horizontal line is labeled 400.

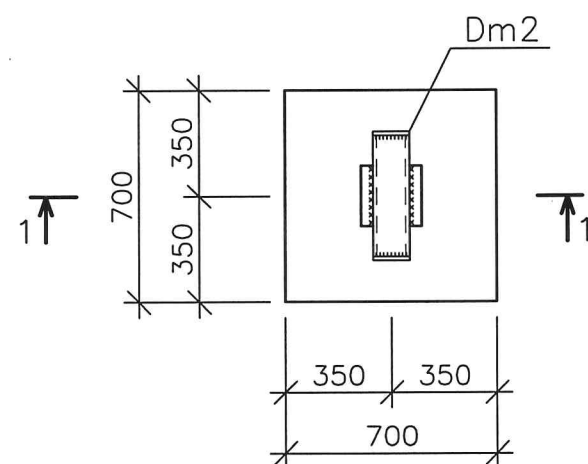


Borderoul consumului de metal la un element, kg

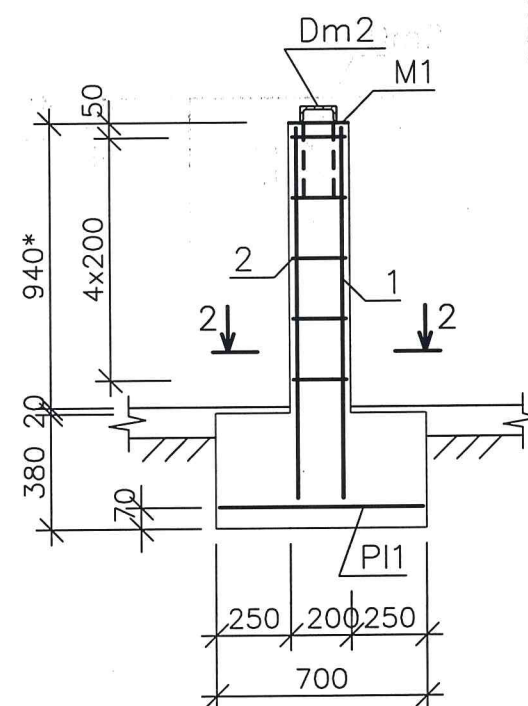
[illegible]

						30/25-C		
						Reconstructia Punctului Termic Central 5082 din str. Banulescu Bodoni 11/1, mun. Chisinau		
modif.	sect.	Plansa	Nr.doc.	Semnat	data			
						Solutii termomecanice	Faza PE	Plansa 12
Inginer	Barbaneagra				05.25	Suportul Sup.5	 TERMoelectrica S.A.	

Sup.6



Su1-1



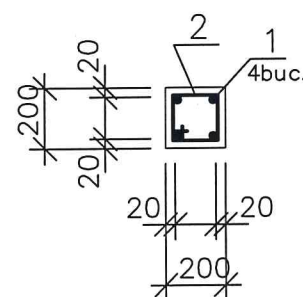
Specificatia suportului Sup.6

Marca Poz.	M A R C A R E A	D E N U M I R E A	Cant.	Masa unit.kg	Nota
Dm2	plansa 8	Detaliu metalic Dm2	1	4,84	
PI1	ГОСТ 23279-85	4C 8AIII-200 65x65	1	2,06	
1	la fel	A-III-10, ГОСТ 5781-82, L=1250	4	0,78	
2	la fel	A-I-6, ГОСТ 5781-82, L=790	5	0,18	
M1	s.3.400-6/76, c.19	Inglobata MИ1-24	1	2,3	
Materiale:					
		Beton clasa B15	0,23		M3

Borderoul elementelor

Poz.	Schita
2	

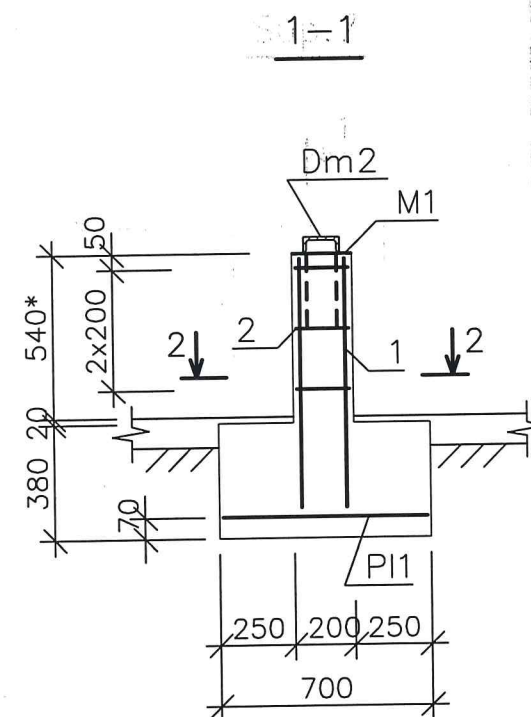
2-2



Borderoul consumului de metal la un element, kg

Element de marca	Articole armatura						Articole inglobate						De tot
	Clasa armaturii									Lamine			
	A-I			A-III						C235			
	ГОСТ 5781-82									ГОСТ 103-76			
	Ø6		Total	Ø8	Ø10	Total	Ø8		Total	-6	Total	Total	
Sup.6	0,9		0,9	2,06	3,12	5,18	0,4		0,4	1,9	0,9	1,9	8,38

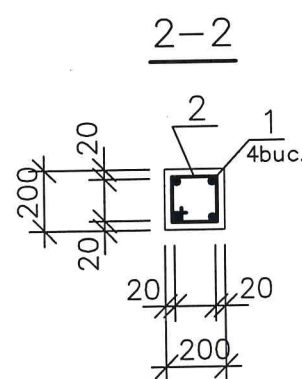
						30/25-C		
						Reconstructia Punctului Termic Central 5082 din str. Banulescu Bodoni 11/1, mun. Chisinau		
modif.	sect.	Plansa	Nr.doc.	Semnat	data	Solutii termomecanice		
						PE	13	Planse
Inginer		Barbaneagra			05.25	Suportul Sup.6		



Marca Poz.	M A R C A R E A	D E N U M I R E A	Cant.	Masa unit.kg	Nota
Dm2	plansa 8	Detaliu metalic Dm2	1	4,84	
PI1	ГОСТ 23279-85	4C $\frac{8AIII-200}{8AIII-200}$ 45x65	1	1,49	
1	la fel	A-III-10, ГОСТ 5781-82, L= 830	4	0,52	
2	la fel	A-I-6, ГОСТ 5781-82, L= 790	3	0,18	
M1	s.3.400-6/76, c.19	Inglobata M1-24	1	2,3	
		<u>Materiale:</u>			
		Beton clasa B15	0,16		M3

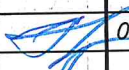
Borderoul elementelor

Poz.	Schita
2	The diagram shows a rectangle with a horizontal base of 400 and a vertical height of 160. A dashed vertical line is drawn from the top-left corner to the base, labeled 230 at the top. This line divides the rectangle into a smaller rectangle on the left and a larger one on the right.

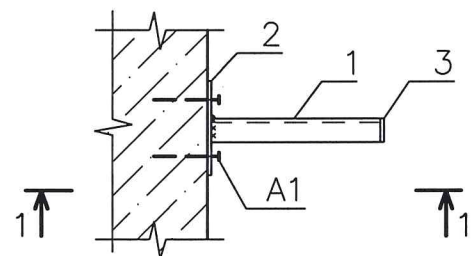


Borderoul consumului de metal la un element, kg

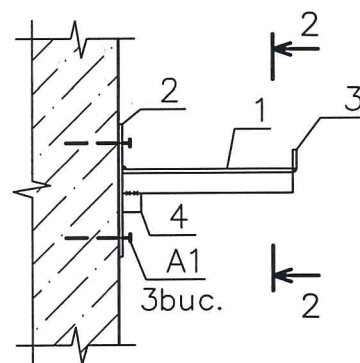
[illegible]

						30/25-C			
						Reconstructia Punctului Termic Central 5082 din str. Banulescu Bodoni 11/1, mun. Chisinau			
modif.	sect.	Plansa	Nr.doc.	Semnat	data		Faza	Plansa	Planse
						Solutii termomecanice	PE	14	
Inginer		Barbaneagra			05.25	Suportul Sup.7	 TERMoelectrica S.A.		

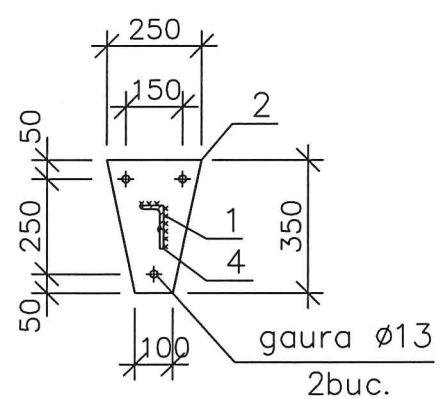
Sup.8



Sup. 1-1



2-2



Specificatia suportului Sup.8

Marca Poz.	M A R C A R E A	D E N U M I R E A	Cant.	Masa unit.kg	Nota
1	plansa data	L63x5, ГОСТ8509-93, L= 450	1	2,17	
2	la fel	-8x250x350, ГОСТ103-76	1	5,5	
3	la fel	-4x50x50, ГОСТ103-76	1	0,08	
4	la fel	-5x50x50, ГОСТ103-76	1	0,1	
A1	catalog "LIDER"	Ancora tip expansiv cu piulita 12x150 (M10)	3		

						30/25-C		
						Reconstructia Punctului Termic Central 5082 din str. Banulescu Bodoni 11/1, mun. Chisinau		
modif.	sect.	Plansa	Nr.doc.	Semnat	data	Solutii termomecanice	Faza	Plansa
							PE	15
						Suportul Sup.8		
Inginer		Barbaneagra			05.25			