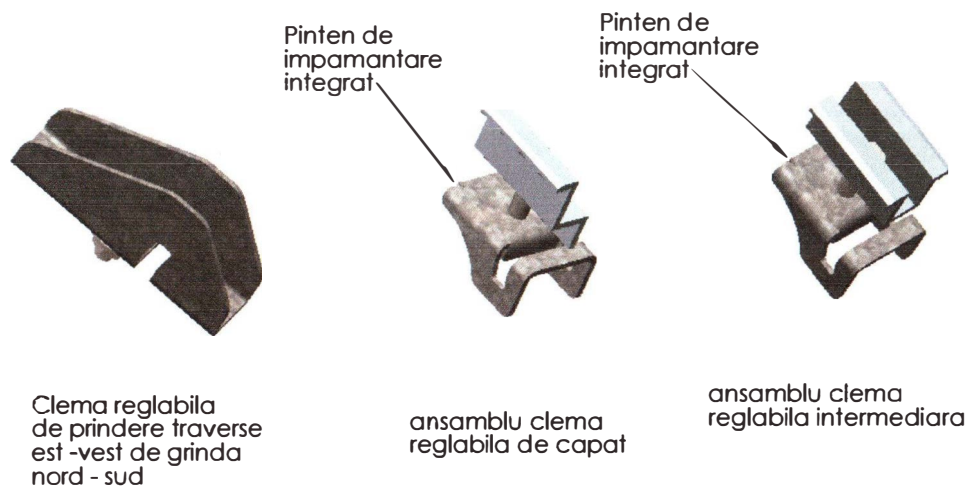
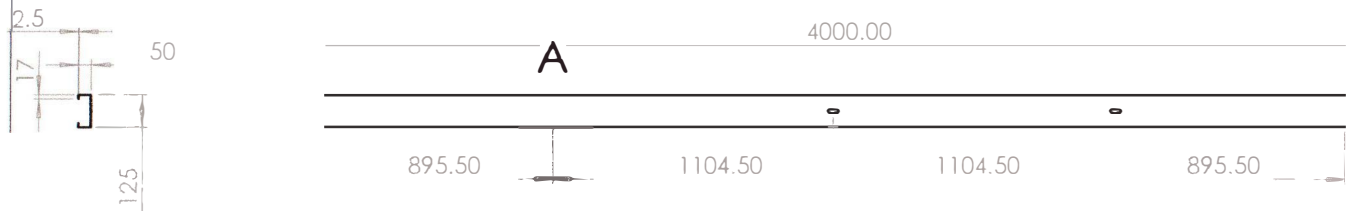


Interval interax de 261.8 cm

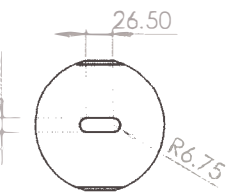


Verificator/Expert	Nume	Semnatura	Cerinta	Referat/Expertiza nr./data:	
Proiectant:	S.C HALLO UP S.R.L			Beneficiar	UAT ZARAND
				Amplasament:	România, Județ ARAD, Comuna ZARAND
Proiect nr.	Titlul proiect				86/2023
	"INFINTARE PARC FOTOVOLTAIC 2 PENTRU CONSUMUL PROPRIU AL UAT ZARAND, JUDETUL ARAD"				Faza P.T. + D.E.
Specificatie	Nume	Semnatura	Scara	Titlul planșei	
Sef proiect	Ing. Dobre Adrian		1:200		
Proiectat	Ing. Ivascu Danut Valeriu		Data		
Desenat	Ing. Ivascu Danut Valeriu		05/2025	Fisa tehnica componente masa M52	
				Planșa nr. 1	

3 - Grinda Nord - Sud
C125x50x17x2.5
MAT. S350GD - ZM310

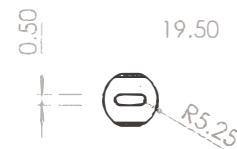


Scara 1:20



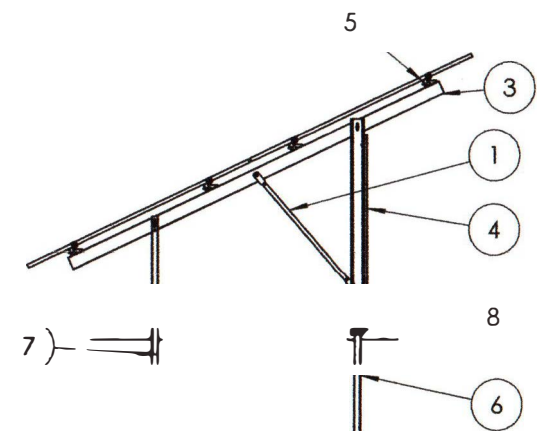
DETAIL A

SCALE 1 : 5

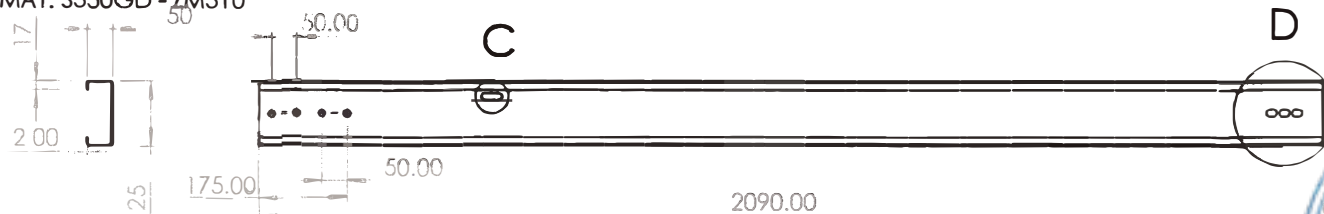


DETAIL B

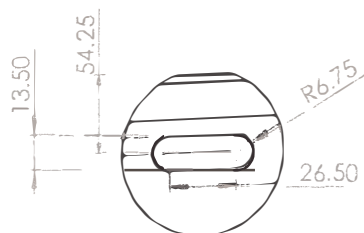
SCALE 1 : 5



8 - Stalp Nord
C125x50x17x2
MAT. S350GD - ZM310

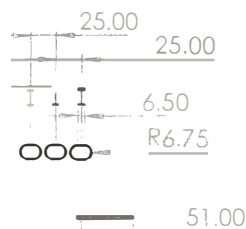


Scara 1:10



DETAIL C

SCALE 1 : 2



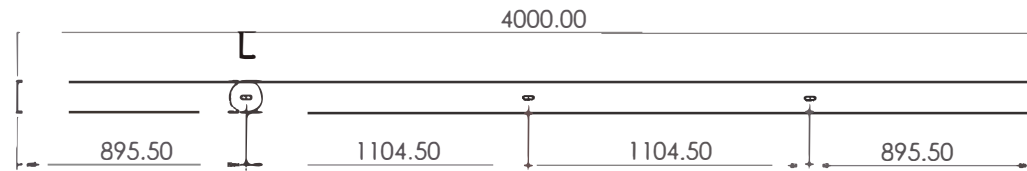
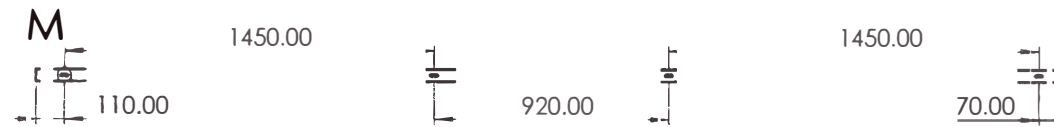
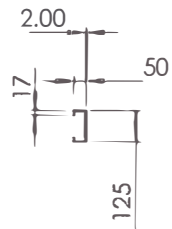
DETAIL D

SCALE 1 : 5

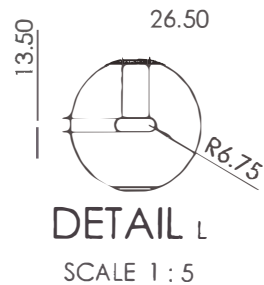
ITEM NO.	PART NUMBER	LENGTH	QTY.
1	Ø 38x2	1500	12
2	C 125x50x17x2.5	4000	10
3	C 125x50x17x2	4000	2
4	C 50x30x10x2	3400	4
5	C 75x55x2	6050	20
6	60x60x2	1900	12
7	60x60x2	2700	12
8	C 125x50x17x2	2090	12

Verificator Expert	Nume	Semnătura	Cerința	Referat/Expertiza nr./ data:
Proiectant	S.C. HALLO UP S.R.L.			Beneficiar UAT ZARAND
Amplasament	România, Județ ARAD, Comuna ZARAND			Proiect nr. 86/2023
Specificatie	Nume	Semnatura	Scara	Titlul proiect
Sef proiect	Ing. Dobre Adrian		1:200	"INFINTARE PARC FOTOVOLTAIC 2 PENTRU CONSUMUL PRORPIU AL UAT ZARAND, JUDETUL ARAD"
Proiectat	Ing. Ivascu Danut Valeriu		Data	Titlul planșei
Desenat	Ing. Ivascu Danut Valeriu		05/2025	Fisa tehnica componente masa M52
				Faza P.T. + D.E.
				Planșa nr. 2

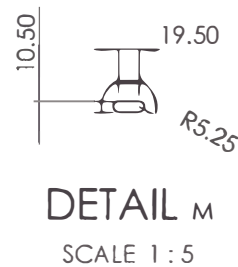
2 - Grinda Est -Vest
C125x50x17x2
MAT. S350GD - ZM310



Scara 1:20



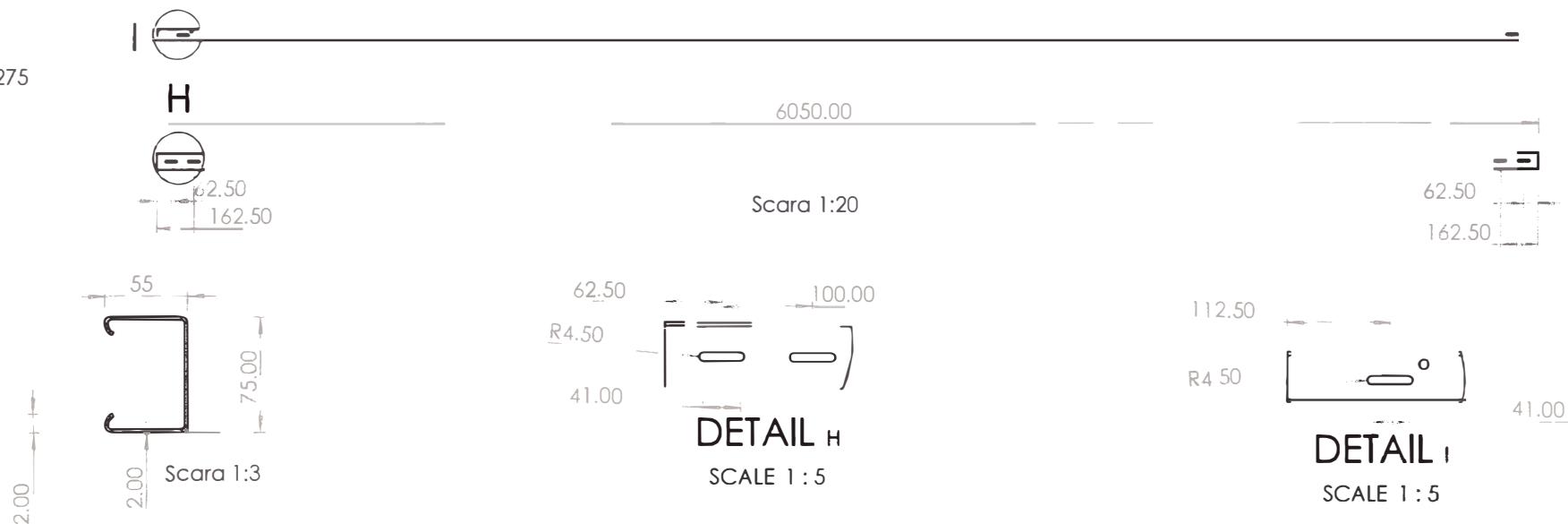
DETAIL L
SCALE 1 : 5



DETAIL M
SCALE 1 : 5

Verificator Expert		Nume	Semnătura	Cerința	Referat/Expertiza nr./ data:
Proiectant	S.C. HALLO UP S.R.L.			Beneficiar UAT ZARAND Amplasament: România, Județ ARAD, Comuna ZARAND	Proiect nr. 86/2023
Specificatie	Nume	Semnătura	Scara	Titlul proiect "INFINTARE PARC FOTOVOLTAIC 2 PENTRU CONSUMUL PROPRIU AL UAT ZARAND, JUDEȚUL ARAD"	Faza P.T. + D.E.
Sef proiect	Ing. Dobre Adrian		1:200	Titlul planșei Fisa tehnica componente masa M52	Planșa nr. 3
Proiectat	Ing. Ivascu Danut Valeriu		Data		
Desenat	Ing. Ivascu Danut Valeriu		05/2025		

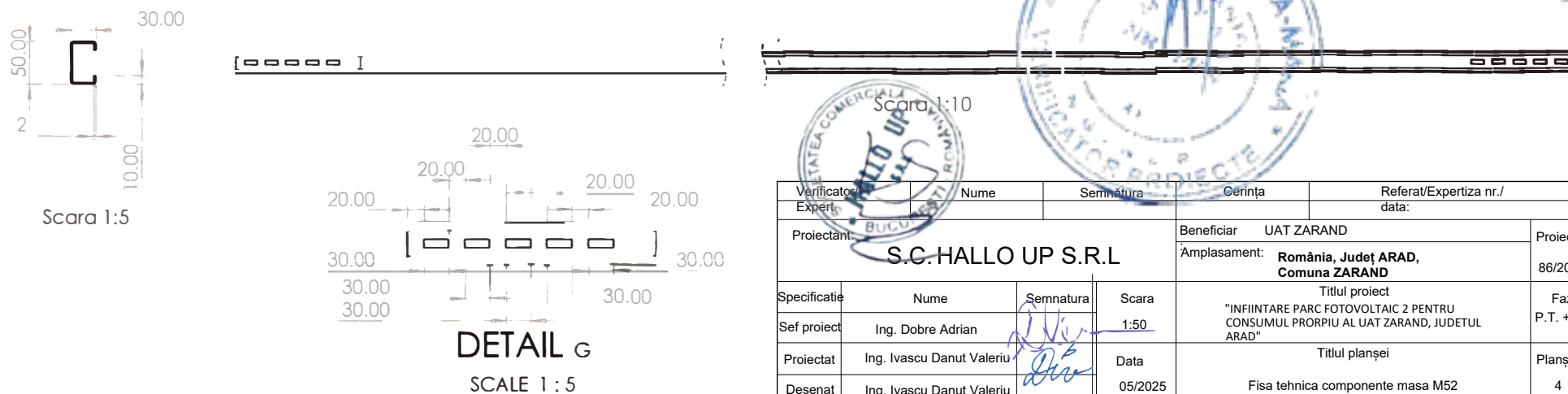
5 - Siret
C 75x55x12x2
MAT. S235 - Z275






1 - Contravantuire tubulara
 $\varnothing 38 \times 2$
 MAT. DX51 - Z275



4 - Contravantuire Giricravata
C 50x30x10x2
MAT. DX51 - Z275

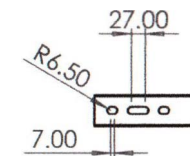
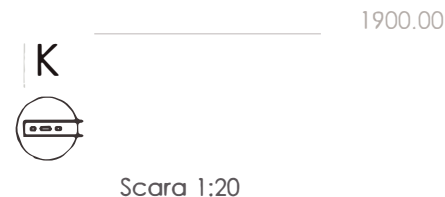
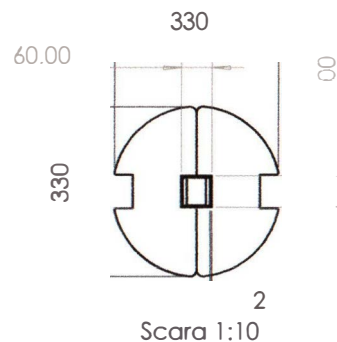


Verificator Expert	Nume	Semnătura	Cerința	Referat/Expertiza nr./ data:
Proiectant: S.C. HALLO UP S.R.L.			Beneficiar UAT ZARAND Amplasament: România, Județ ARAD, Comuna ZARAND	Proiect nr. 86/2023
Specificatie	Nume	Semnatura	Scara	Faza
Sef proiect	Ing. Dobre Adrian		1:50	P.T. + D.E
Proiectat	Ing. Ivascu Danut Valeriu		Data	Planșa nr.
Desenat	Ing. Ivascu Danut Valeriu		05/2025	4
			Titlul proiect "INFINTARE PARC FOTOVOLTAIC 2 PENTRU CONSUMUL PROPRIU AL UAT ZARAND, JUDETUL ARAD"	
			Titlul planșei Fisa tehnica componente masa M52	

6 - 60x60x2
MAT S235JRH (EN 10219-1)
Tabla 4mm
MAT S235JR+AR (EN 10025)

Zincat la cald
Grosimea piesei - Otel $\geq 1.5\text{mm}$ bis 3mm
Grosimea locala a acoperirii (minima) $45\text{ }\mu\text{m}$
Grosimea medie a acoperirii (minima) $55\text{ }\mu\text{m}$
Masa medie acoperirii (minima) 395 g/m^2
Zincarea corespunde verficarilor si incercarilor prevazute in standardul SR EN ISO 1461 - 2022

Sudura
Grosimea cordonului de sudura $a=4$.
Piese in contact vor fi sudate continuu pe toata lungimea de contact.
SR EN ISO 15609

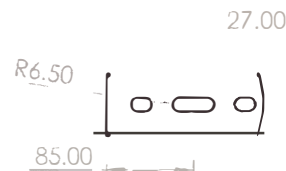
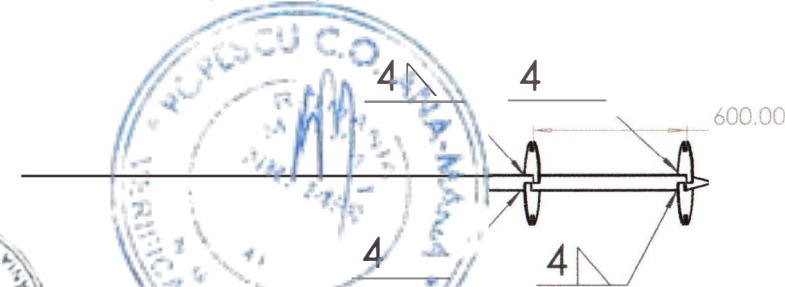
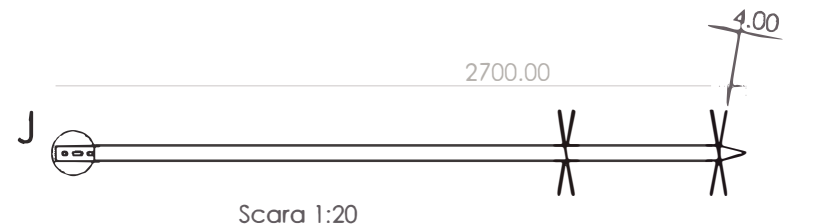
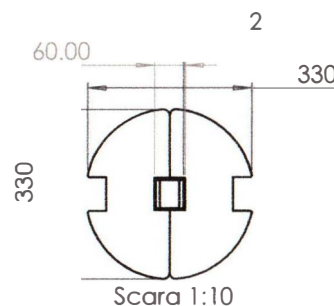


DETAIL K
SCALE 1 : 10

7 - 60x60x2
MAT S235JRH (EN 10219-1)
Tabla 4mm
MAT S235JR+AR (EN 10025)

Zincat la cald
Grosimea piesei - Otel $\geq 1.5\text{mm}$ bis 3mm
Grosimea locala a acoperirii (minima) $45\text{ }\mu\text{m}$
Grosimea medie a acoperirii (minima) $55\text{ }\mu\text{m}$
Masa medie acoperirii (minima) 395 g/m^2
Zincarea corespunde verficarilor si incercarilor prevazute in standardul SR EN ISO 1461 - 2022

Sudura
Grosimea cordonului de sudura $a=4$.
Piese in contact vor fi sudate continuu pe toata lungimea de contact.
SR EN ISO 15609

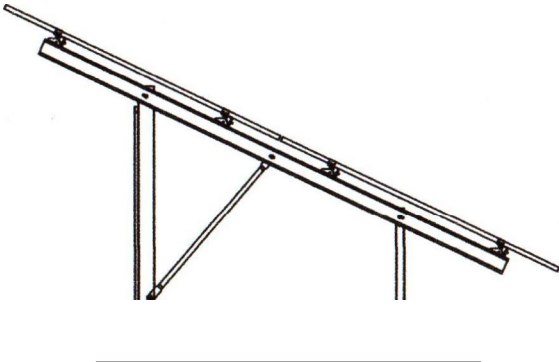




DETAIL J
SCALE 1 : 5

Verificator Expert	Nume	Semnatura	Cerinta	Referat/Expertiza nr./ data:	
Proiectant	S.C. HALLO UP S.R.L.			Beneficiar UAT ZARAND Amplasament: Romania, Județ ARAD, Comuna ZARAND	Proiect nr. 86/2023
Specificatie	Nume	Semnatura	Scara	Titlul proiect "INFINTARE PARC FOTOVOLTAIC 2 PENTRU CONSUMUL PROPRIU AL UAT ZARAND, JUDETUL ARAD"	Faza P.T. + D.E.
Sef proiect	Ing. Dobre Adrian		1:20		
Proiectat	Ing. Ivascu Danut Valeriu		Data	Titlul planșei	Planșa nr.
Desenat	Ing. Ivascu Danut Valeriu		05/2025	Fisa tehnica componente masa M52	5

Lista accesorii

PART NUMBER	QTY.
CLEMA PRINDERE GRINDA	48
SURUB HEXAGONAL DIN 933 - M8x20	144
SAIBA CRESTATA 8.4 DIN 6798A	48
PIULITA CU FLANSA DIN 6923 M8x1.25	198
SURUB HEXAGONAL DIN 931 - M12x25	44
SAIBA 13 DIN 125	88
PIULITA HEXAGONALA M12x1.75 DIN 934-8	44
SURUB HEXAGONAL DIN 931 - M12x90	36
SAIBA 13 DIN 125	72
PIULITA CU FLANSA DIN 6923 M12x1.75	36
SIRET EST-VEST - 75X55X2	20
panou solar structura smart	52
CLEMA CAPAT 35	8
CLEMA PRINDERE PANOU FILETATA	54
SURUB CAP CILINDRIC LOCAS HEXAGONAL DIN 912-M8x25	58
CLEMA PRINDERE PANOU CU GAURA DE TRECERE	54
CLEMA MIJLOC	100
SURUB HEXAGONAL DIN 933 - M8x35	50
CONECTOR SINA C-2P2S	16
SAIBA 8.4 DIN 9021	144
BUCSA	24



Verificator Expert	Nume	Semnătura	Cerința	Referat/Expertiza nr./ data:
Proiectant: S.C. HALLO UP S.R.L.			Beneficiar UAT ZARAND Amplasament: România, Județ ARAD, Comuna ZARAND	Proiect nr. 86/2023
Specificatie	Nume	Semnatura	Scara	Titlul proiect "INFINTARE PARC FOTOVOLTAIC 2 PENTRU CONSUMUL PROPRIU AL UAT ZARAND, JUDETUL ARAD"
Sef proiect	Ing. Dobre Adrian		1:200	Faza P.T. + D.E.
Proiectat	Ing. Ivascu Danut Valeriu		Data	Titlul planșei
Desenat	Ing. Ivascu Danut Valeriu		05/2025	Fisa tehnica componente masa M52 6