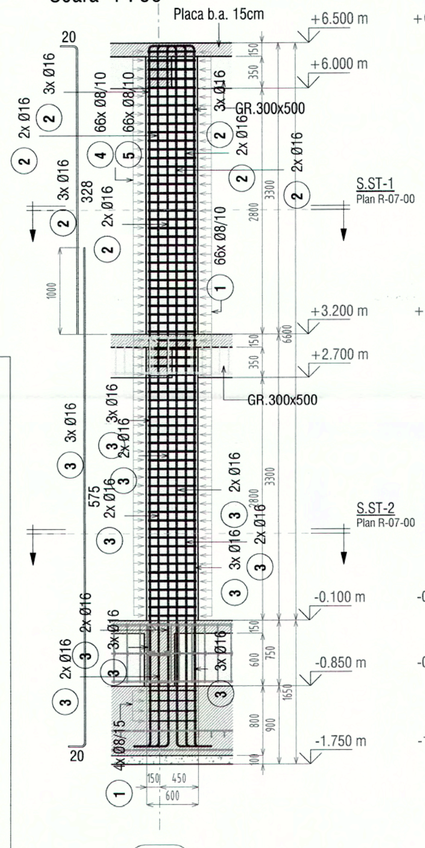
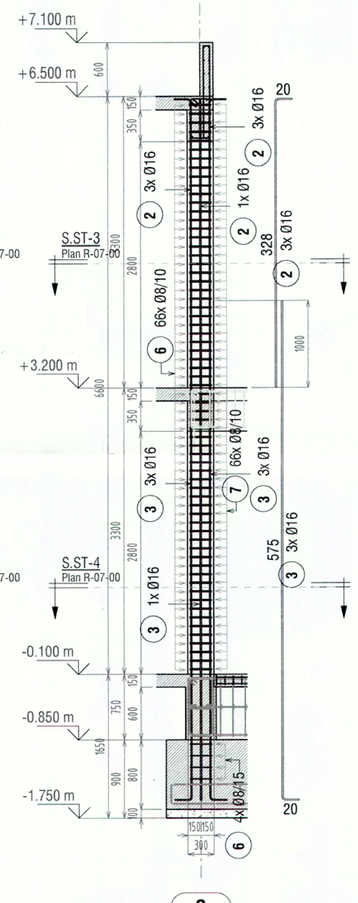
1. ST.30*60 (68 buc.)

Scara 1 : 50



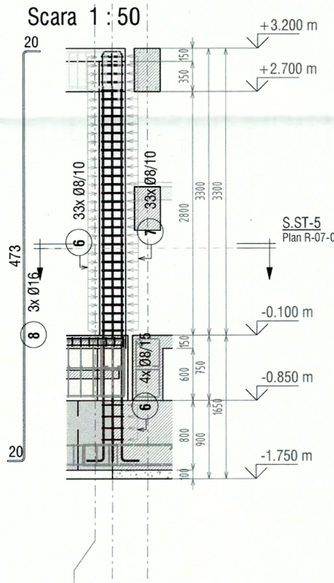
2. ST.30*30 - P+1E (14 buc.)

Scara 1 : 50



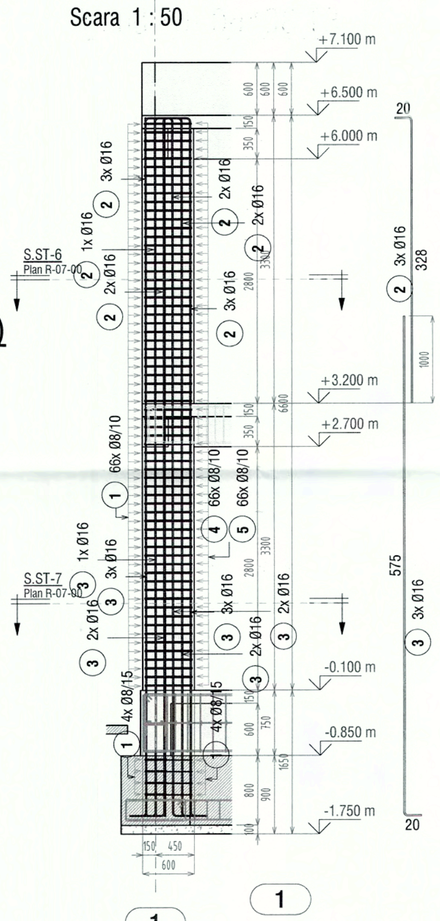
3. ST.30*30 - P (2 buc.)

Scara 1 : 50



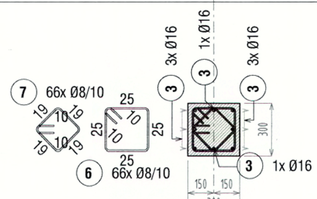
4. ST.30*60*60 (19 buc.)

Scara 1 : 50



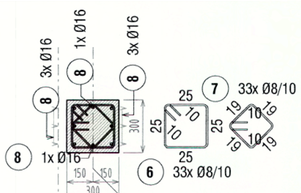
5. Extras armare stalpi structura

Categorie	Marca	Diametru	Otel	Nr. bucati	Lungime bara	Lungime totala [m]	Greutate/ml	Greutate [kg]	Bending Detail
STALPI	1	8 mm	BST500	7428	1.750 m	13000.8 m	0.394	5127.3 kg	55 / 25 / 25 / 55
STALPI	2	16 mm	BST500	1444	3.442 m	4970.0 m	1.578	7840.4 kg	20 / 328
STALPI	3	16 mm	BST500	1444	5.917 m	8543.9 m	1.578	13478.3 kg	20 / 575
STALPI	4	8 mm	BST500	15972	0.920 m	14698.2 m	0.394	5796.7 kg	25 / 14 / 14 / 25
STALPI	5	8 mm	BST500	6996	0.750 m	5247.0 m	0.394	2069.3 kg	55 / 10 / 10
STALPI	6	8 mm	BST500	1062	1.150 m	1221.6 m	0.394	481.8 kg	25 / 25 / 25 / 25
STALPI	7	8 mm	BST500	990	0.910 m	901.1 m	0.394	355.4 kg	19 / 19 / 19 / 19
STALPI	8	16 mm	BST500	16	5.059 m	80.9 m	1.578	127.7 kg	20 / 473 / 20
STALPI	9	16 mm	BST500	5	5.892 m	29.5 m	1.578	46.5 kg	18 / 575
TOTAL				35357		48693.1 m		35323.4 kg	



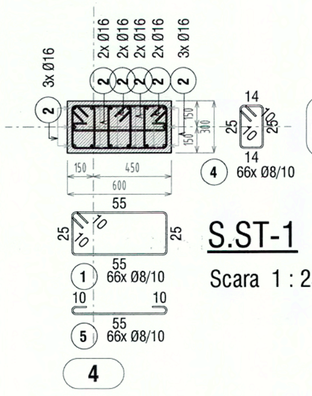
S.ST-4

Scara 1 : 25



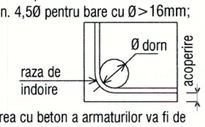
S.ST-5

Scara 1 : 25



NOTE ARMATURI:

1. Raza de indoire a barelor se masoara pe exterior si este de:
   - min. 3Ø pentru bare cu Ø≤16mm;
   - min. 4,5Ø pentru bare cu Ø>16mm;



2. Acoperirea cu beton a armaturilor va fi de
   - 5.0 cm in fundatiile turnate in sapatura;
   - 3.5 cm in fundatiile turnate in cofraj; intrados placa pardoseala
   - 2.5 cm in stalpi, pereti, placa pardoseala;
   - 3.5 cm in grinzi;
   - 2.0 cm in placi, rampe, parapeti;
3. Cotele partiale ale armaturilor reprezinta dimensiunea la exterior a acestora

MATERIALE:

1.	EGALIZARI FUNDATII	**C12/15** - clasa de exp. **X0** ,	cf. NE 012-1
2.	BETON ARMAT IN FUNDATII	**C25/30** - clasa de exp. **XC2**,	cf. NE 012-1
3.	BETON ARMAT IN PARDOSEALA	**C25/30** - clasa de exp. **XC2+XD2**,	cf. NE 012-1
4.	BETON ARMAT IN SUPRASTRUCTURA	**C25/30,** - clasa de exp. **XC4+XD2**,	cf. NE 012-1
5.	ARMATURA	**BST500**, categ. C de ductilitate,	cf.ST 009-2011
		SPPB plasa sudata profilata	cf. SR 438
6.	OTEL LAMINAT	**S355J0(H), S275JR(H)**	cf. EN 10025, EN 10210/10219 (tevi)
7.	ORGANE DE ASAMBLARE	**GR.10.9**	cf.EN14399-4/6 (partial filetate)
8.	SURUBURI DE ANCORAJ	**Gr. 6.8 sau otel S355**	
9.	SURUBURI CU ANCORAJ CHIMIC	**GR.5.8 tip Hilti cu mortar HIT RE500**	

GRIGORE C. ION ROMÂNIA MD L P A R. 09900 09905 INGINER VERIFICATOR PROIECTE

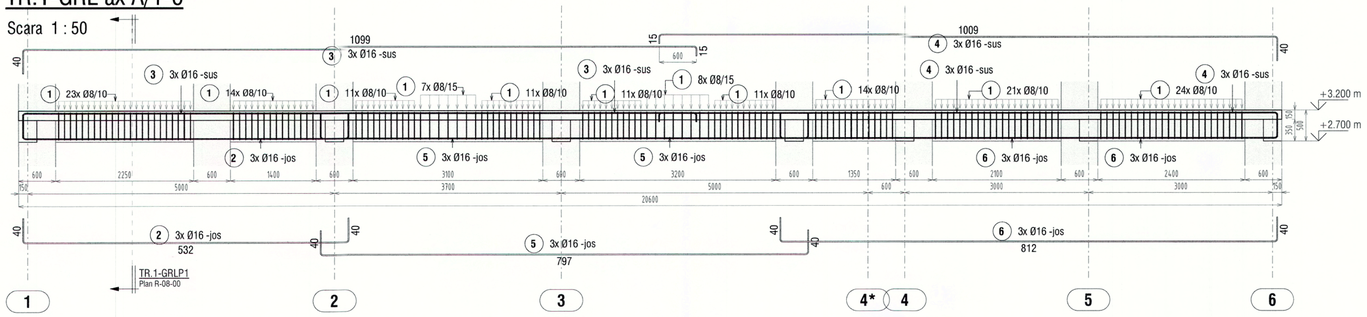
PROIECTANT GENERAL: SVO CONSULTING S.R.L.

S.C. EVO PROIECT S.R.L.
Str. sos. Giurgiului nr. 44, bl. C9, sc. C, ap 31, et. 4, oras Videle, jud. Teleorman.
Nr. Reg. Com.: J34/558/2016
C.U.I.: 24322887
Telefon : 0766.10.77.40
Email: office.evoproiect@gmail.com

BENEFICIAR: COMUNA MALU MARE, JUDEȚUL DOLJ			Nr. proiect: EVP338/2025
PROIECT: DEZVOLTAREA INFRASTRUCTURII EDUCATIONALE PENTRU NIVELUL PRESCOLAR ÎN COMUNA MALU MARE, SAT PREAJBA, JUDEȚUL DOLJ			Nr. plan: R-07-00
AMPLASAMENT: Comuna Malu Mare, Localitatea Preajba, str. Frasinului, nr.12, T10 P52, nr. cad. 44309, cod poștal 207367, Jud. Dolj.			Data: Martie 2025
Sef Proiect	arh. Enescu Răzvan	SCARA: As indicated	Faza: D.T.A.C.+P.T.
Proiectat	ing. Ionuț-Lucian Vițâ	Titlu plansa: **Plan armare stalpi structura**	Specialitate: STRUCTURA
Desenat	ing. Ionuț-Lucian Vițâ	Desen nr. : EVP338/2025- D.T.A.C.+P.T.- R-07-00	

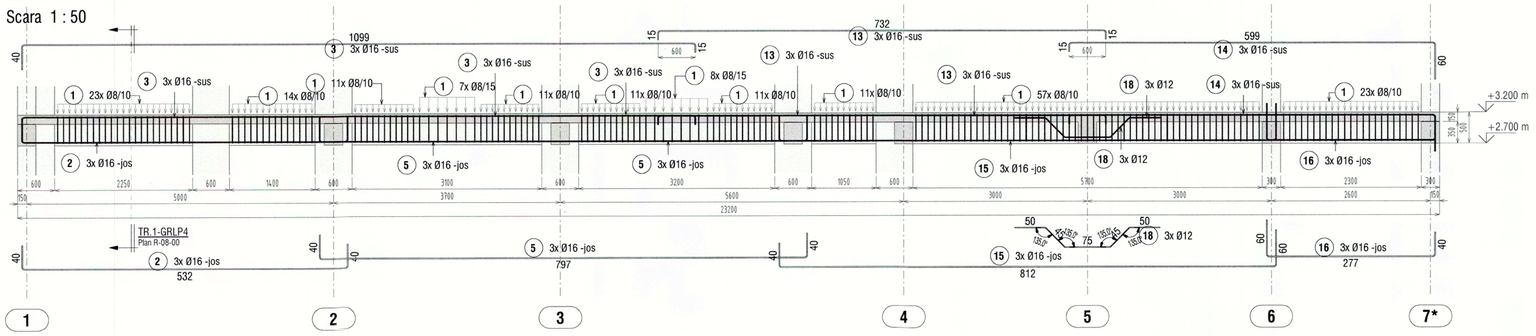
TR.1-GRL ax A/1-6

Scara 1 : 50



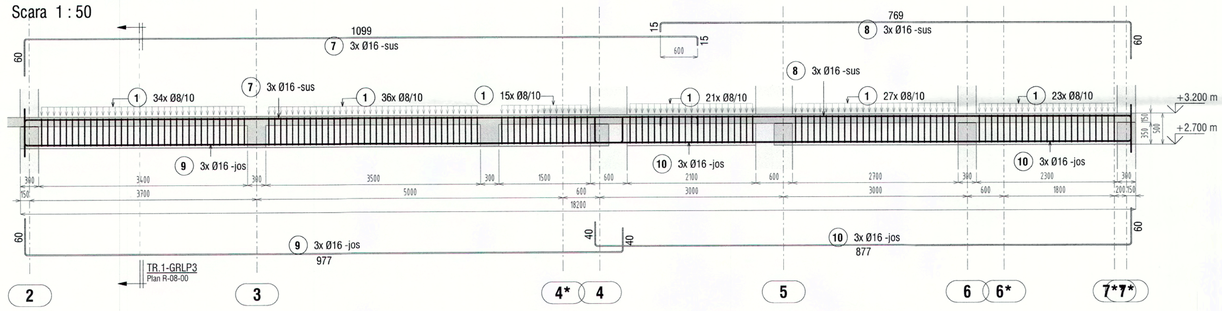
TR.1-GRL ax C/1-7*

Scara 1 : 50



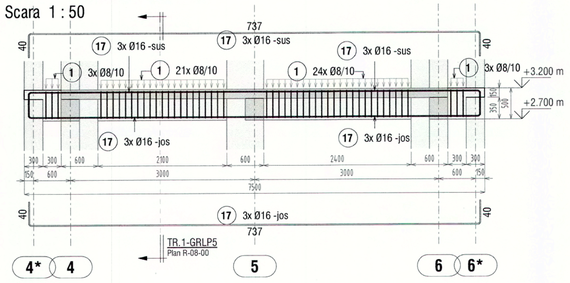
TR.1-GRL ax B/2-7*

Scara 1 : 50



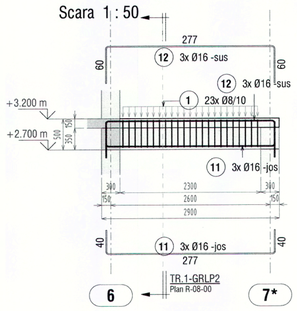
TR.1-GRL ax E/4*-6*

Scara 1 : 50



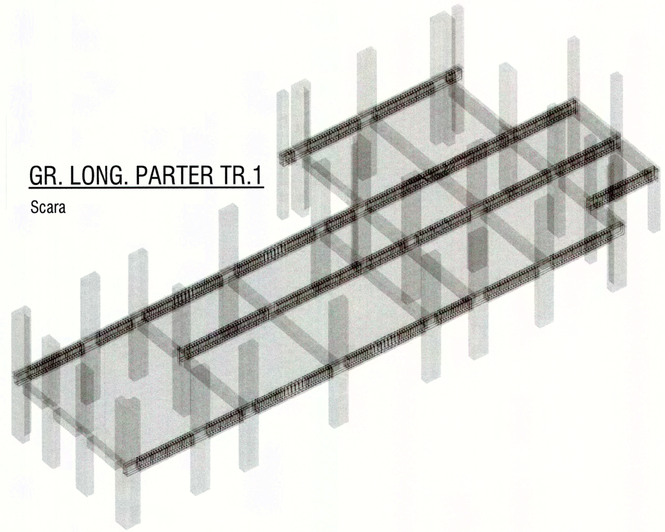
TR.1-GRL ax A-B/6-7*

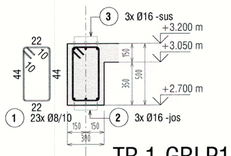
Scara 1 : 50



GR. LONG. PARTER TR.1

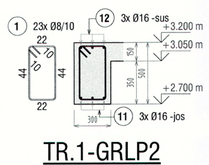
Scara





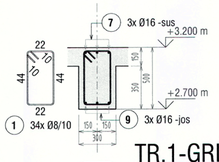
TR.1-GRLP1

Scara 1 : 25



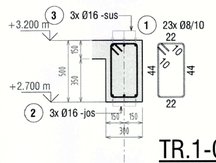
TR.1-GRLP2

Scara 1 : 25



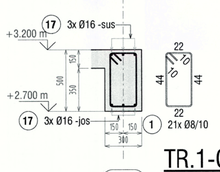
TR.1-GRLP3

Scara 1 : 25



TR.1-GRLP4

Scara 1 : 25



TR.1-GRLP5

Scara 1 : 25

6. Extras armare GR-L parter TR.1

Categorie	Marca	Diametru	Otel	Nr. bucati	Lungime bara	Lungime totala [m]	Greutate/ml	Greutate [kg]	Bending Detail
TR.1 - GRL-parter	1	8 mm	BST500	572	1.470 m	841.0 m	0.394	331.7 kg	44 / 22 / 22 / 44
TR.1 - GRL-parter	2	16 mm	BST500	6	6.050 m	36.3 m	1.578	57.3 kg	40 / 532 / 40
TR.1 - GRL-parter	3	16 mm	BST500	6	11.475 m	68.8 m	1.578	108.6 kg	40 / 1099 / 15
TR.1 - GRL-parter	4	16 mm	BST500	3	10.575 m	31.7 m	1.578	50.0 kg	40 / 1009 / 15
TR.1 - GRL-parter	5	16 mm	BST500	6	8.700 m	52.2 m	1.578	82.3 kg	40 / 797 / 40
TR.1 - GRL-parter	6	16 mm	BST500	3	8.850 m	26.5 m	1.578	41.9 kg	40 / 812 / 40
TR.1 - GRL-parter	7	16 mm	BST500	3	11.675 m	35.0 m	1.578	55.3 kg	60 / 1099 / 15
TR.1 - GRL-parter	8	16 mm	BST500	3	8.376 m	25.1 m	1.578	39.6 kg	60 / 769 / 15
TR.1 - GRL-parter	9	16 mm	BST500	3	10.701 m	32.1 m	1.578	50.6 kg	60 / 977 / 40
TR.1 - GRL-parter	10	16 mm	BST500	3	9.700 m	29.1 m	1.578	45.9 kg	60 / 877 / 40
TR.1 - GRL-parter	11	16 mm	BST500	3	3.500 m	10.5 m	1.578	16.6 kg	40 / 277 / 40
TR.1 - GRL-parter	12	16 mm	BST500	3	3.900 m	11.7 m	1.578	18.5 kg	60 / 277 / 60
TR.1 - GRL-parter	13	16 mm	BST500	3	7.550 m	22.6 m	1.578	35.7 kg	15 / 732 / 15
TR.1 - GRL-parter	14	16 mm	BST500	3	6.675 m	20.0 m	1.578	31.6 kg	15 / 599 / 60
TR.1 - GRL-parter	15	16 mm	BST500	3	9.050 m	27.1 m	1.578	42.8 kg	40 / 812 / 60
TR.1 - GRL-parter	16	16 mm	BST500	3	3.700 m	11.1 m	1.578	17.5 kg	40 / 277 / 60
TR.1 - GRL-parter	17	16 mm	BST500	6	8.100 m	48.6 m	1.578	76.7 kg	40 / 737 / 40
TR.1 - GRL-parter	18	12 mm	BST500	3	2.625 m	7.9 m	0.887	7.0 kg	50 / 45 / 75 / 45 / 50
TOTAL				635		1337.5 m		1109.6 kg	

NOTE ARMATURI:

1. Raza de indoire a barelor se masoara pe exterior si este de:
   - min. 3Ø pentru bare cu Ø≤16mm;
   - min. 4,5Ø pentru bare cu Ø>16mm;

2. Acoperirea cu beton a armaturilor va fi de
   - 5.0 cm in fundatiile turnate in sapatura;
   - 3.5 cm in fundatiile turnate in cofraj; intrados placa pardoseala
   - 2.5 cm in stalpi, pereti, placa pardoseala;
   - 3.5 cm in grinzi;
   - 2.0 cm in placi, rampe, parapeti;
3. Cotele partiale ale armaturilor reprezinta dimensiunea la exterior a acestora

MATERIALE:

1.	EGALIZARI FUNDATII	**C12/15** - clasa de exp. **X0** ,	cf. NE 012-1
2.	BETON ARMAT IN FUNDATII	**C25/30** - clasa de exp. **XC2**,	cf. NE 012-1
3.	BETON ARMAT IN PARDOSEALA	**C25/30** - clasa de exp. **XC2+XD2**,	cf. NE 012-1
4.	BETON ARMAT IN SUPRASTRUCTURA	**C25/30**, - clasa de exp. **XC4+XD2**,	cf. NE 012-1
5.	ARMATURA	**BST500**, categ. C de ductilitate, cf.ST 009-2011	
		SPPB plasa sudata profilata cf. SR 438	
6.	OTEL LAMINAT	**S355J0(H), S275JR(H)** cf. EN 10025, EN 10210/10219 (tevi)	
7.	ORGANE DE ASAMBLARE	**GR.10.9** cf.EN14399-4/6 (partial filetate)	
8.	SURUBURI DE ANCORAJ	**Gr. 6.8 sau otel S355**	
9.	SURUBURI CU ANCORAJ CHIMIC	**GR.5.8 tip Hilti cu mortar HIT RE500**	

GRIGORE CRISTIAN ROMÂNIA DOLJ 09900 09905 A1,A2 INGINER VERIFICATOR PROIECTE

PROIECTANT GENERAL: SVO CONSULTING S.R.L.

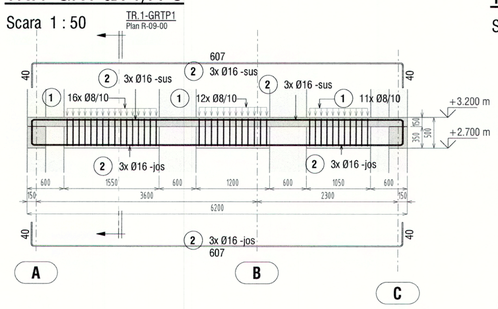
S.C. EVO PROIECT S.R.L.
Str. sos. Giurgiului nr. 44, bl. C9, sc. C, ap 31, et. 4, oras Videle, jud. Teleorman.
Nr. Reg. Com.: J34/558/2016
C.U.I.: 24322887
Telefon : 0766.10.77.40
Email: office.evoproiect@gmail.com

Sef Proiect	arh. Enescu Răzvan		
Proiectat	ing. Ionuț-Lucian Vițâ		
Desenat	ing. Ionuț-Lucian Vițâ		

BENEFICIAR: COMUNA MALU MARE, JUDETUL DOLJ	Nr. proiect: EVP338/2025
PROIECT: INFRASTRUCTURI EDUCATIONALE PENTRU NIVELUL PREȘCOLAR ÎN COMUNA MALU MARE, SAT PREAJBA, JUDEȚUL DOLJ	Nr. plan: R-08-00
AMPLASAMENT: Comuna Malu Mare, Localitatea Preajba, str. Frasinului, nr.12, T10 P52, nr. cad. 44309, cod postal 207367, Jud. Dolj.	Data: Martie 2025
SCARA: As indicated	Faza: D.T.A.C. +P.T.
Titlu plansa: **Plan armare grinzi longitudinale parter TRONSON 1**	Specialitate: STRUCTURA
Desen nr. : EVP338/2025- D.T.A.C. +P.T.- R-08-00	

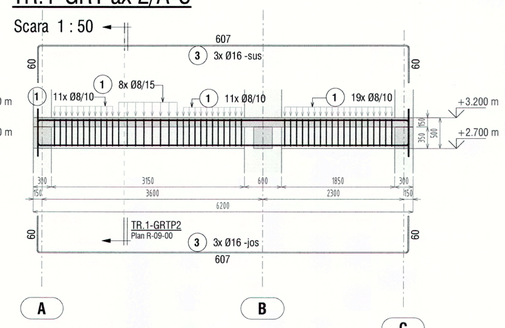
TR.1-GRT ax 1/A-C

Scara 1 : 50



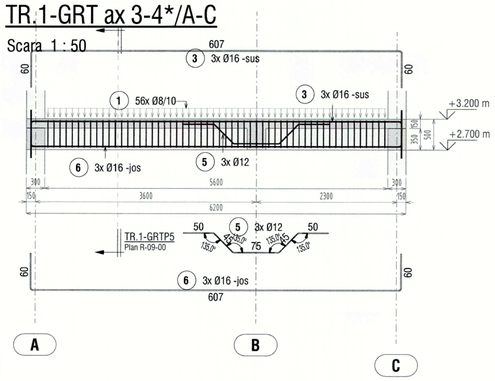
TR.1-GRT ax 2/A-C

Scara 1 : 50



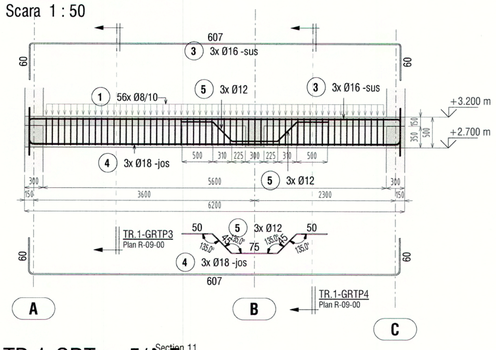
TR.1-GRT ax 3-4*/A-C

Scara 1 : 50



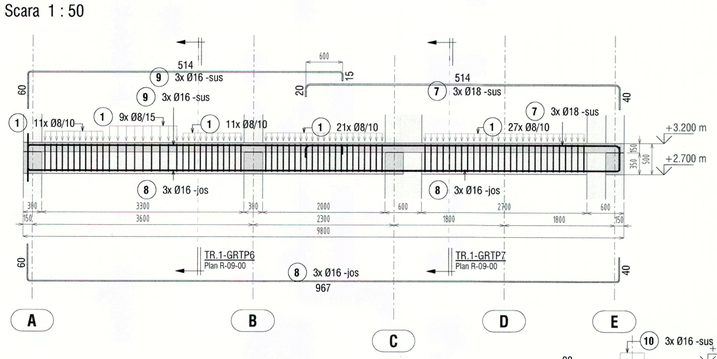
TR.1-GRT ax 3/A-C

Scara 1 : 50



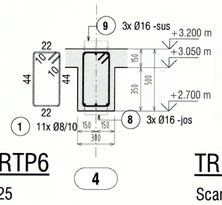
TR.1-GRT ax 4/A-E

Scara 1 : 50



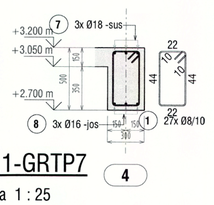
TR.1-GRTP6

Scara 1 : 25



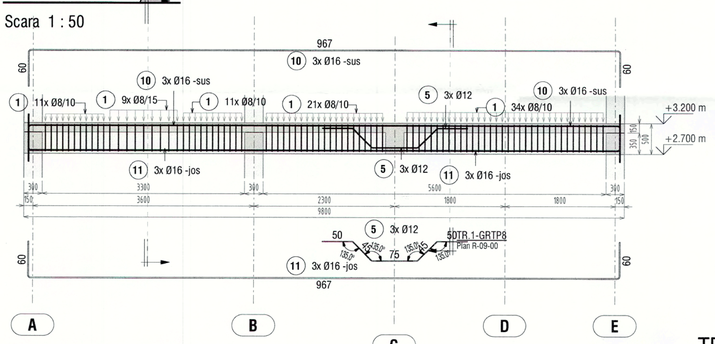
TR.1-GRTP7

Scara 1 : 25



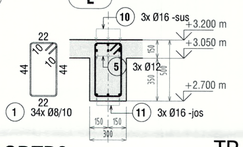
TR.1-GRT ax 5/A-E

Scara 1 : 50



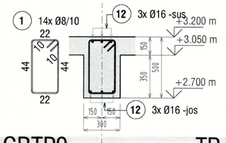
TR.1-GRTP8

Scara 1 : 25



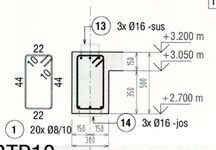
TR.1-GRTP9

Scara 1 : 25



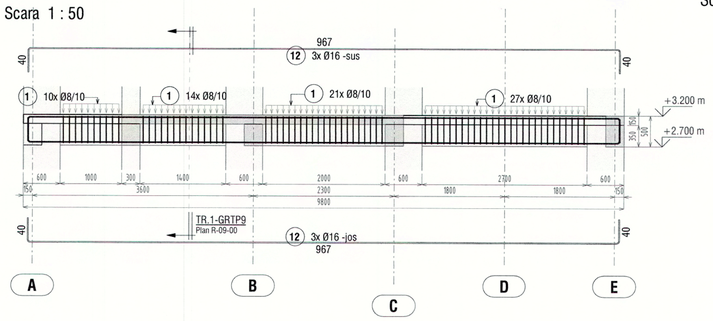
TR.1-GRTP10

Scara 1 : 25



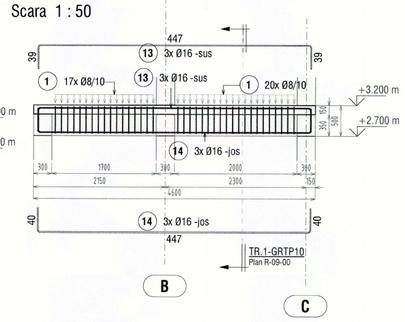
TR.1-GRT ax 6/A-E

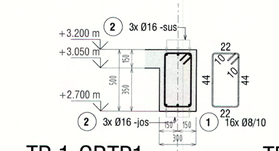
Scara 1 : 50



TR.1-GRT ax 7*/A-C

Scara 1 : 50

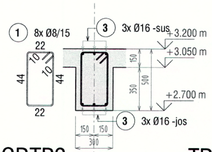




TR.1-GRTP1

Scara 1 : 25

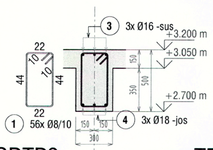
1



TR.1-GRTP2

Scara 1 : 25

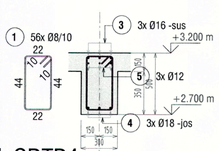
2



TR.1-GRTP3

Scara 1 : 25

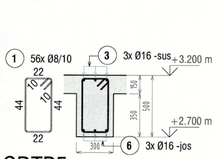
3



TR.1-GRTP4

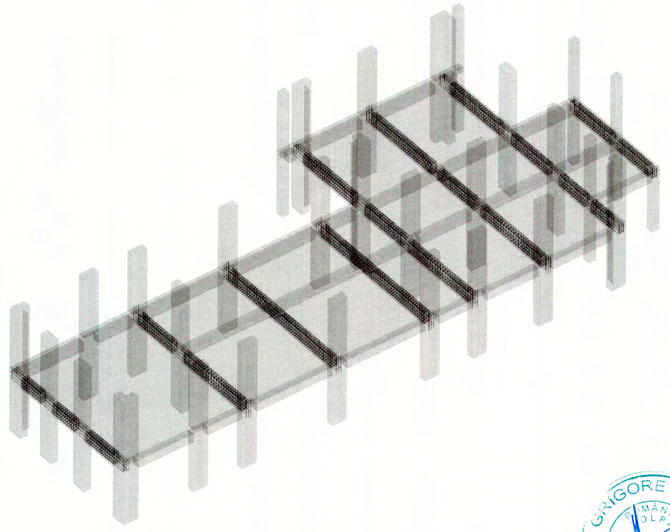
Scara 1 : 25

3



TR.1-GRTP5

Scara 1 : 25



GR. TRANS. PARTER TR.1

Scara

7. Extras armare GR-T parter TR.1

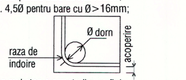
Categorie	Marca	Diametru	Otel	Nr. bucati	Lungime bara	Lungime totala [m]	Greutate/ml	Greutate [kg]	Bending Detail
TR.1 - GRT-parter	1	8 mm	BST500	474	1.470 m	696.9 m	0.394	274.8 kg	44
TR.1 - GRT-parter	2	16 mm	BST500	6	6.800 m	40.8 m	1.578	64.4 kg	607
TR.1 - GRT-parter	3	16 mm	BST500	12	7.200 m	86.4 m	1.578	136.3 kg	607
TR.1 - GRT-parter	4	18 mm	BST500	3	7.170 m	21.5 m	1.997	42.9 kg	607
TR.1 - GRT-parter	5	12 mm	BST500	9	2.625 m	23.6 m	0.887	21.0 kg	50 75 50
TR.1 - GRT-parter	6	16 mm	BST500	3	7.198 m	21.6 m	1.578	34.1 kg	607
TR.1 - GRT-parter	7	18 mm	BST500	3	5.646 m	16.9 m	1.997	33.8 kg	514
TR.1 - GRT-parter	8	16 mm	BST500	3	10.599 m	31.8 m	1.578	50.2 kg	967
TR.1 - GRT-parter	9	16 mm	BST500	3	5.825 m	17.5 m	1.578	27.6 kg	514
TR.1 - GRT-parter	10	16 mm	BST500	3	10.800 m	32.4 m	1.578	51.1 kg	967
TR.1 - GRT-parter	11	16 mm	BST500	3	10.799 m	32.4 m	1.578	51.1 kg	967
TR.1 - GRT-parter	12	16 mm	BST500	6	10.400 m	62.4 m	1.578	98.4 kg	967
TR.1 - GRT-parter	13	16 mm	BST500	3	5.184 m	15.6 m	1.578	24.5 kg	447
TR.1 - GRT-parter	14	16 mm	BST500	3	5.200 m	15.6 m	1.578	24.6 kg	447
TOTAL				534		1115.4 m		934.8 kg	

MATERIALE:

1.	EGALIZARI FUNDATII	**C12/15** - clasa de exp. **X0** ,	cf. NE 012-1
2.	BETON ARMAT IN FUNDATII	**C25/30** - clasa de exp. **XC2**,	cf. NE 012-1
3.	BETON ARMAT IN PARDOSEALA	**C25/30** - clasa de exp. **XC2+XD2**,	cf. NE 012-1
4.	BETON ARMAT IN SUPRASTRUCTURA	**C25/30**, - clasa de exp. **XC4+XD2**,	cf. NE 012-1
5.	ARMATURA	**BST500**, categ. C de ductilitate, cf.ST 009-2011	
		SPPB plasa sudata profilata cf. SR 438	
6.	OTEL LAMINAT	**S355J0(H), S275JR(H)** cf. EN 10025, EN 10210/10219 (tevi)	
7.	ORGANE DE ASAMBLARE	**GR.10.9** cf.EN14399-4/6 (partial filetate)	
8.	SURUBURI DE ANCORAJ	**Gr. 6.8 sau otel S355**	
9.	SURUBURI CU ANCORAJ CHIMIC	**GR.5.8 tip Hilti cu mortar HIT RE500**	

NOTE ARMATURI:

1. Raza de indoire a barelor se masoara pe exterior si este de:
   - min. 3Ø pentru bare cu Ø≤16mm;
   - min. 4,5Ø pentru bare cu Ø>16mm;



2. Acoperirea cu beton a armaturilor va fi de
   - 5.0 cm in fundatiile turnate in sapatura;
   - 3.5 cm in fundatiile turnate in cofraj; intrados placa pardoseala
   - 2.5 cm in stalpi, pereti, placa pardoseala;
   - 2.5 cm in grinzi;
   - 2.0 cm in placi, rampe, parapeti;
   - Cote partiale ale armaturilor reprezinta dimensiunea la exterior a cofrajelor.

PROIECTANT GENERAL: SVO CONSULTING S.R.L.

S.C. Evo Proiect S.R.L.
Str. sos. Giurgiului nr. 44, bl. C9, sc. C, ap 31, et. 4, oras Videle, jud. Teleorman.
Nr. Reg. Com.: J34/558/2016
C.U.I.: 24322887
Telefon : 0766.10.77.40
Email: office.evoproiect@gmail.com

Sef Proiect	arh. Enescu Răzvan	
Proiectat	ing. Ionuț-Lucian Vițâ	
Desenat	ing. Ionuț-Lucian Vițâ	

BENEFICIAR: COMUNA MALU MARE, JUDETUL DOLJ — Nr. proiect: EVP338/2025

PROIECT: DEZVOLTAREA INFRASTRUCTURII EDUCATIONALE PENTRU NIVELUL PREȘCOLAR ÎN COMUNA MALU MARE, SAT PREAJBA, JUDEȚUL DOLJ — Nr. plan: R-09-00

AMPLASAMENT: Comuna Malu Mare, Localitatea Preajba, str. Frasinului, nr.12, T10 P52, nr. cad. 44309, cod poștal 207367, Jud. Dolj. — Data: Martie 2025

SCARA: As indicated

Titlu plansa: **Plan armare grinzi transversale parter TRONSON 1**

Faza: D.T.A.C.+P.T.

Specialitate: STRUCTURA

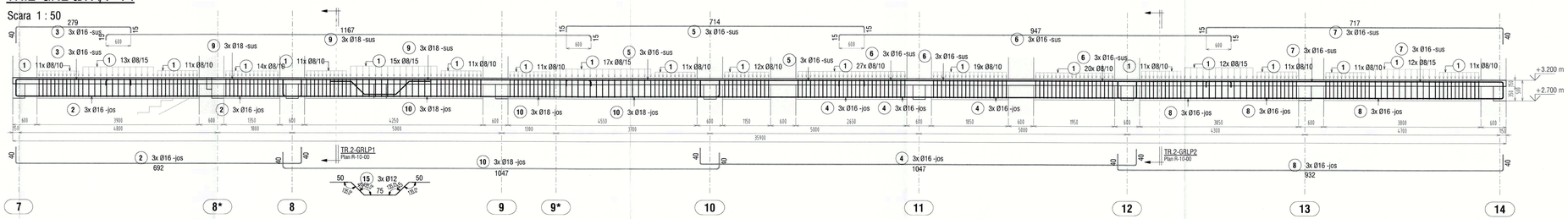
Desen nr. : EVP338/2025- D.T.A.C.+P.T.- R-09-00

8. Extras armare GR-L parter TR.2

Categorie	Marca	Diametru	Otel	Nr. bucati	Lungime bara	Lungime totala [m]	Greutate/ml	Greutate [kg]	Bending Detail
TR.2 - GRL-parter	1	8 mm	BST500	1017	1.470 m	1495.2 m	0.394	589.7 kg	44 / 22 / 22 / 44
TR.2 - GRL-parter	2	16 mm	BST500	3	7.650 m	22.9 m	1.578	36.2 kg	40 / 692 / 40
TR.2 - GRL-parter	3	16 mm	BST500	3	3.275 m	9.8 m	1.578	15.5 kg	40 / 279 / 15
TR.2 - GRL-parter	4	16 mm	BST500	6	11.200 m	67.2 m	1.578	106.0 kg	40 / 1047 / 40
TR.2 - GRL-parter	5	16 mm	BST500	3	7.375 m	22.1 m	1.578	34.9 kg	15 / 714 / 15
TR.2 - GRL-parter	6	16 mm	BST500	3	9.700 m	29.1 m	1.578	45.9 kg	15 / 947 / 15
TR.2 - GRL-parter	7	16 mm	BST500	3	7.650 m	22.9 m	1.578	36.2 kg	40 / 717 / 15
TR.2 - GRL-parter	8	16 mm	BST500	6	10.050 m	60.3 m	1.578	95.1 kg	40 / 932 / 40
TR.2 - GRL-parter	9	18 mm	BST500	3	11.870 m	35.6 m	1.997	71.1 kg	15 / 1167 / 15
TR.2 - GRL-parter	10	18 mm	BST500	3	11.170 m	33.5 m	1.997	66.9 kg	40 / 1047 / 40
TR.2 - GRL-parter	11	16 mm	BST500	3	7.900 m	23.7 m	1.578	37.4 kg	60 / 677 / 60
TR.2 - GRL-parter	12	16 mm	BST500	3	3.325 m	10.0 m	1.578	15.7 kg	60 / 264 / 15
TR.2 - GRL-parter	13	18 mm	BST500	3	10.395 m	31.2 m	1.997	62.3 kg	60 / 974 / 15
TR.2 - GRL-parter	14	16 mm	BST500	6	6.300 m	37.8 m	1.578	59.6 kg	60 / 517 / 60
TR.2 - GRL-parter	15	12 mm	BST500	9	2.625 m	23.6 m	0.887	21.0 kg	50 / 75 / 50
TR.2 - GRL-parter	16	18 mm	BST500	3	3.695 m	11.1 m	1.997	22.1 kg	60 / 304 / 15
TR.2 - GRL-parter	17	16 mm	BST500	3	8.000 m	24.0 m	1.578	37.9 kg	60 / 707 / 40
TR.2 - GRL-parter	18	20 mm	BST500	3	11.861 m	35.6 m	2.465	87.7 kg	15 / 1167 / 15
TR.2 - GRL-parter	19	16 mm	BST500	3	5.900 m	17.7 m	1.578	27.9 kg	40 / 517 / 40
TR.2 - GRL-parter	20	16 mm	BST500	3	6.400 m	19.2 m	1.578	30.3 kg	40 / 547 / 60
TR.2 - GRL-parter	21	16 mm	BST500	3	6.250 m	18.7 m	1.578	29.6 kg	60 / 532 / 40
TR.2 - GRL-parter	22	16 mm	BST500	3	10.250 m	30.7 m	1.578	48.5 kg	60 / 932 / 40
TR.2 - GRL-parter	23	16 mm	BST500	3	11.900 m	35.7 m	1.578	56.3 kg	15 / 1167 / 15
TR.2 - GRL-parter	24	16 mm	BST500	3	11.925 m	35.8 m	1.578	56.4 kg	60 / 1124 / 15
TR.2 - GRL-parter	25	16 mm	BST500	6	5.800 m	34.8 m	1.578	54.9 kg	40 / 487 / 60
TR.2 - GRL-parter	26	16 mm	BST500	3	3.525 m	10.6 m	1.578	16.7 kg	40 / 304 / 15
TR.2 - GRL-parter	27	16 mm	BST500	3	11.050 m	33.1 m	1.578	52.3 kg	40 / 1032 / 40
TR.2 - GRL-parter	28	16 mm	BST500	3	5.625 m	16.9 m	1.578	26.6 kg	15 / 539 / 15
TR.2 - GRL-parter	29	16 mm	BST500	3	6.950 m	20.8 m	1.578	32.9 kg	15 / 672 / 15
TR.2 - GRL-parter	30	16 mm	BST500	3	9.550 m	28.6 m	1.578	45.2 kg	15 / 932 / 15
TR.2 - GRL-parter	31	16 mm	BST500	3	7.650 m	22.9 m	1.578	36.2 kg	15 / 717 / 40
TR.2 - GRL-parter	32	16 mm	BST500	3	4.123 m	12.4 m	1.578	19.5 kg	40 / 364 / 40
TR.2 - GRL-parter	33	16 mm	BST500	3	8.250 m	24.7 m	1.578	39.0 kg	40 / 752 / 40
TR.2 - GRL-parter	34	16 mm	BST500	3	11.123 m	33.4 m	1.578	52.6 kg	40 / 1064 / 15
TR.2 - GRL-parter	35	16 mm	BST500	3	7.350 m	22.0 m	1.578	34.8 kg	40 / 662 / 40
TOTAL				1137		2414.0 m		2101.0 kg	

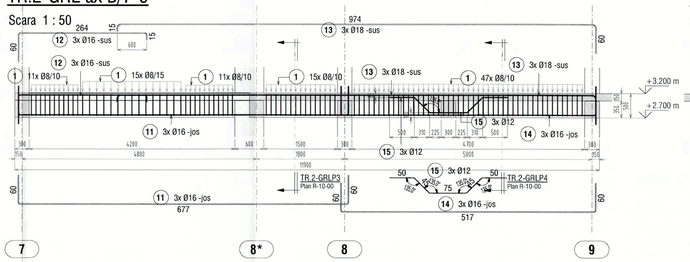
TR.2-GRL ax A/7-14

Scara 1 : 50



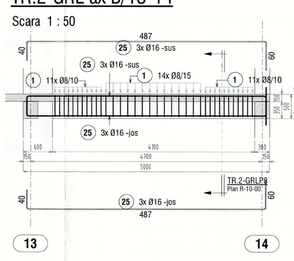
TR.2-GRL ax B/7-9

Scara 1 : 50



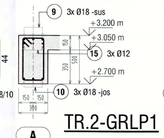
TR.2-GRL ax B/13-14

Scara 1 : 50



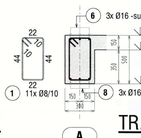
TR.2-GRLP1

Scara 1 : 25



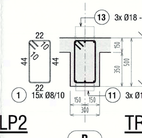
TR.2-GRLP2

Scara 1 : 25



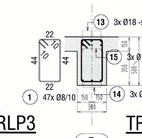
TR.2-GRLP3

Scara 1 : 25



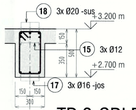
TR.2-GRLP4

Scara 1 : 25



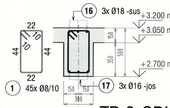
TR.2-GRLP6

Scara 1 : 25



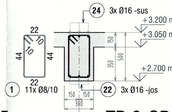
TR.2-GRLP5

Scara 1 : 25



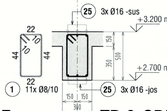
TR.2-GRLP7

Scara 1 : 25



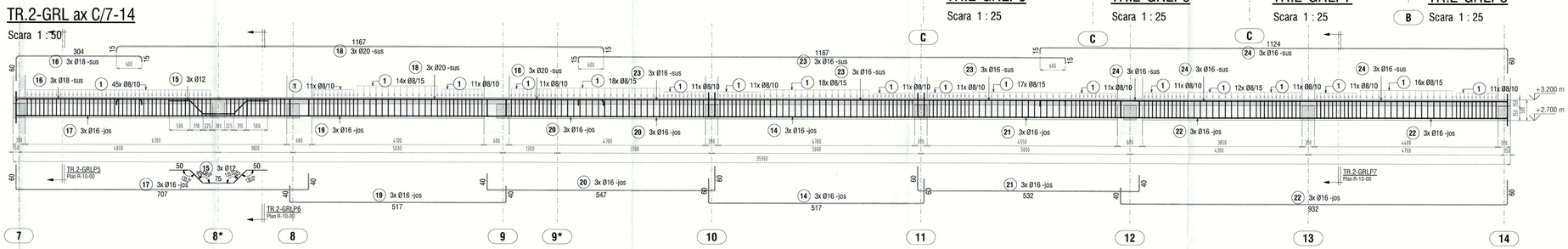
TR.2-GRLP8

Scara 1 : 25



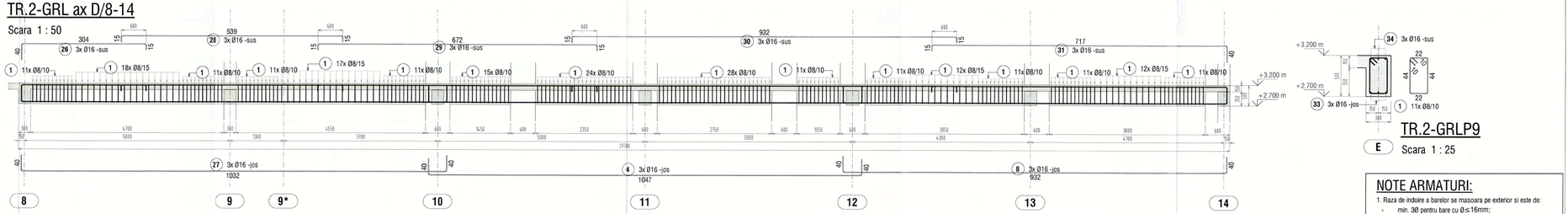
TR.2-GRL ax C/7-14

Scara 1 : 50



TR.2-GRL ax D/8-14

Scara 1 : 50

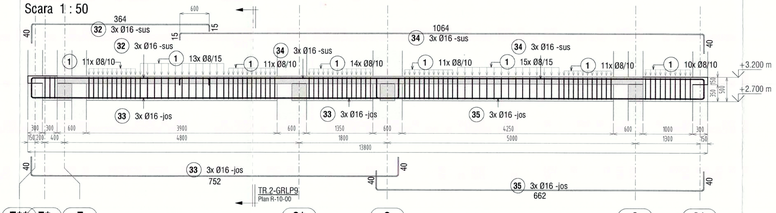


TR.2-GRLP9

Scara 1 : 25

TR.2-GRL ax E/7**-9*

Scara 1 : 50



MATERIALE:

1. EGALIZARI FUNDATII
2. BETON ARMAT IN FUNDATII
3. BETON ARMAT IN PARDOSEALA
4. BETON ARMAT IN SUPRASTRUCTURA
5. ARMATURA
6. OTEL LAMINAT
7. ORGANE DE ASAMBLARE
8. SURUBURI DE ANCORAJ
9. SURUBURI CU ANCORAJ CHIMIC

C12/15 - clasa de exp. **X0** , cf. NE 012-1
C25/30 - clasa de exp. **XC2**, cf. NE 012-1
C25/30, - clasa de exp. **XC2 + XD2**, cf. NE 012-1
C25/30, - clasa de exp. **XC4 + XD2**, cf. NE 012-1
BST500, categ. C de ductilitate, cf.ST 009-2011
SPPB plasa sudata profilata cf. SR 438
S355.0(J0), S275.0(J0) cf. EN 10025, EN 10210/10219 (tevi)
GR.10.9 cf.EN14399-4/6 (partial filetate)
Gr. 6.8 sau otel S355
GR.5.8 tip Hilti cu mortar HIT RE500

NOTE ARMATURI:

1. Raza de indoire a barelor se masoara pe exterior si este de:
   - min. 3Ø pentru bare cu Ø≤16mm;
   - min. 4,5Ø pentru bare cu Ø>16mm;

2. Acoperirea cu beton a armaturilor va fi de
   - 5.0 cm in fundatiile turnate in sapatura;
   - 3.5 cm in fundatiile turnate in cofraj; intrados placa pardoseala
   - 2.5 cm in stalpi, pereti, placa pardoseala;
   - 3.5 cm in grinzi;
   - 2.0 cm in placi, rampe, parapeti;
3. Dorite partiale ale armaturilor reprezinta dimensiunea la exterior a betonului.

GRIGORE CTIN INGINER A1, A2 09900 09905 EVO PROIECT

PROIECTANT GENERAL: SVO CONSULTING S.R.L.

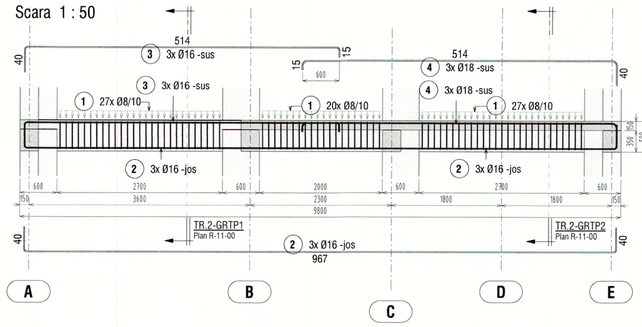
S.C. EVO PROIECT S.R.L.
Str. sos. Giurgiului nr. 44, bl. C9, sc. C, et. 4, ora Videle, jud. Teleorman.
Nr. Reg. Com.: J34/558/2016
C.U.I.: 24322887
Telefon : 0766.10.77.40
Email: office.evoproiect@gmail.com

Sef Proiect	arh. Enescu Răzvan	
Proiectat	ing. Ionuț-Lucian Vîja	
Desenat	ing. Ionuț-Lucian Vîja	

BENEFICIAR: COMUNA MALU MARE, JUDETUL DOLJ	Nr. proiect: EVP338/2025
PROIECTUL: REABILITAREA INFRASTRUCTURII EDUCATIONALE PENTRU INVELIS PRESCOLAR ÎN COMUNA MALU MARE, SAT PREJAIA, JUDEȚUL DOLJ	Nr. plan: R-10-00
AMPLASAMENT: Comuna Malu Mare, Localitatea Prejjba, str. Frasinului, nr.12, T10 P52, nr. cad. 64309, cod postal 207367, jud. Dolj.	Data: Martie 2025
SCARA: As indicated	Faza: D.T.A.C. +P.T.
Titlu plansa: **Plan armare grinzi longitudinale parter TRONSON 2**	Specialitate: STRUCTURA
Desen nr. : EVP338/2025- D.T.A.C. +P.T.- R-10-00	

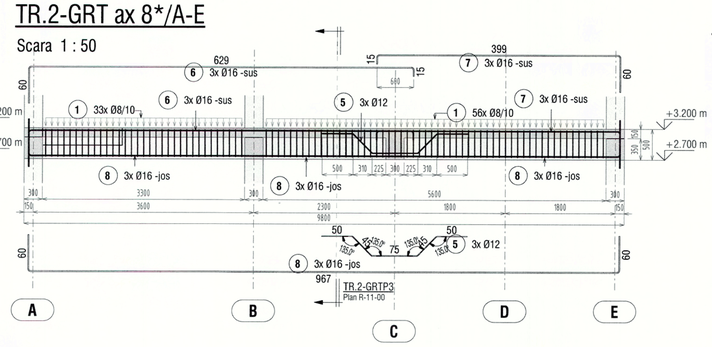
TR.2-GRT ax 7/A-E

Scara 1 : 50



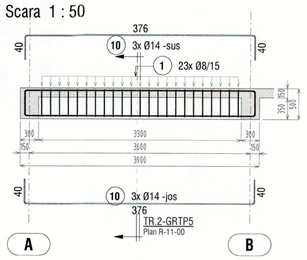
TR.2-GRT ax 8*/A-E

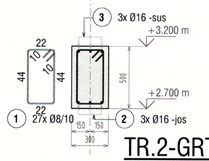
Scara 1 : 50



TR.2-GRT ax 8-9/A-B

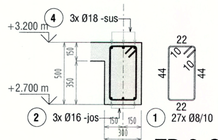
Scara 1 : 50





TR.2-GRTP1

7 Scara 1 : 25

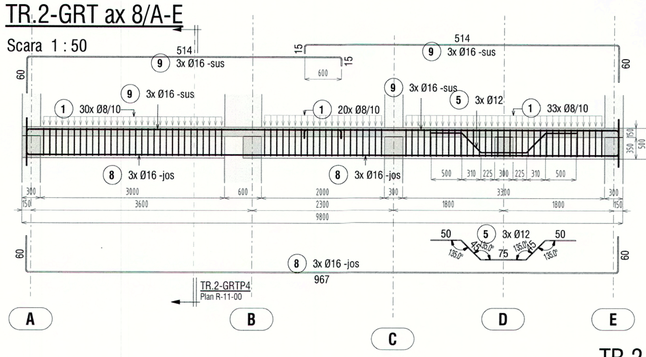


TR.2-GRTP2

7 Scara 1 : 25

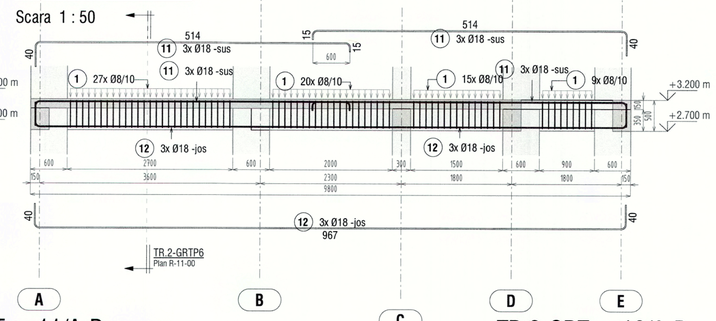
TR.2-GRT ax 8/A-E

Scara 1 : 50



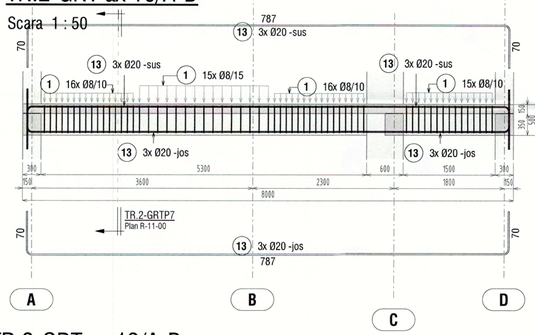
TR.2-GRT ax 9/A-E

Scara 1 : 50



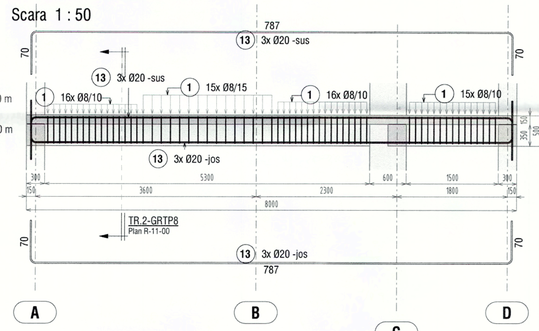
TR.2-GRT ax 10/A-D

Scara 1 : 50



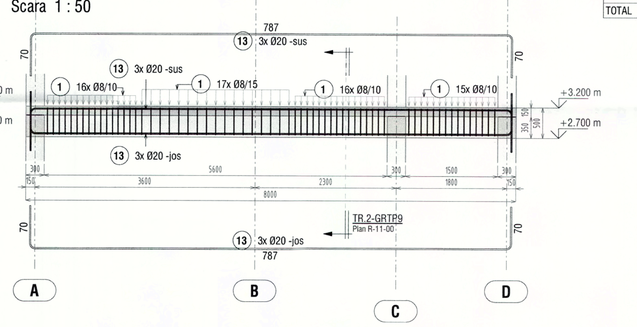
TR.2-GRT ax 11/A-D

Scara 1 : 50



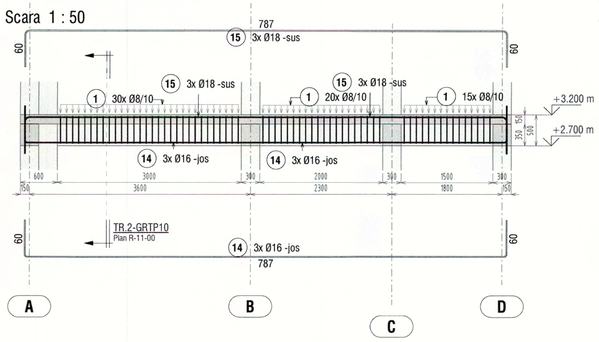
TR.2-GRT ax 12/A-D

Scara 1 : 50



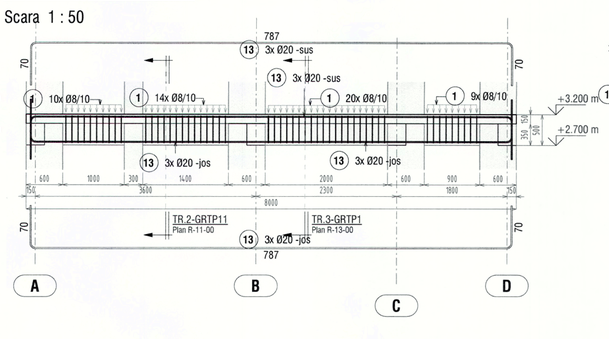
TR.2-GRT ax 13/A-D

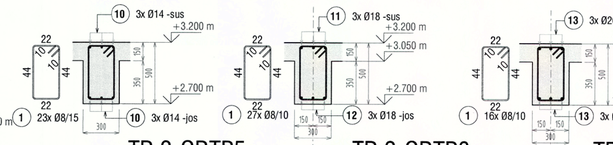
Scara 1 : 50



TR.2-GRT ax 14/A-D

Scara 1 : 50



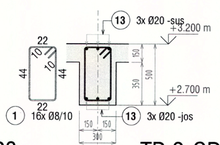


TR.2-GRTP5

Scara 1 : 25

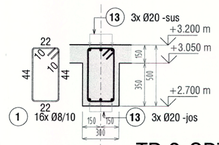
9 **TR.2-GRTP6**

Scara 1 : 25



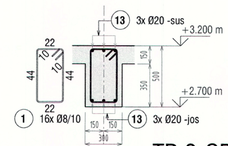
10 **TR.2-GRTP7**

Scara 1 : 25



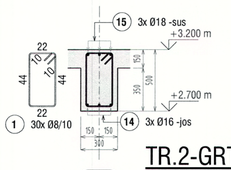
11 **TR.2-GRTP8**

Scara 1 : 25



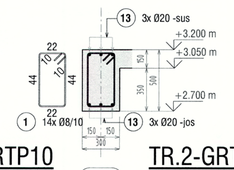
12 **TR.2-GRTP9**

Scara 1 : 25



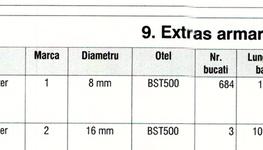
13 **TR.2-GRTP10**

Scara 1 : 25



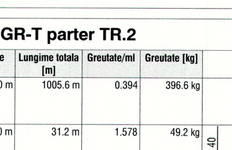
14 **TR.2-GRTP11**

Scara 1 : 25



8* **TR.2-GRTP3**

Scara 1 : 25



8 **TR.2-GRTP4**

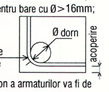
Scara 1 : 25

9. Extras armare GR-T parter TR.2

Categorie	Marca	Diametru	Otel	Nr. bucati	Lungime bara	Lungime totala [m]	Greutate/ml	Greutate [kg]	Bending Detail
TR.2 - GRT-parter	1	8 mm	BST500	684	1.470 m	1005.6 m	0.394	396.6 kg	44 / 22 / 10 / 22 / 44
TR.2 - GRT-parter	2	16 mm	BST500	3	10.400 m	31.2 m	1.578	49.2 kg	40 / 967 / 40
TR.2 - GRT-parter	3	16 mm	BST500	3	5.625 m	16.9 m	1.578	26.6 kg	40 / 514 / 15
TR.2 - GRT-parter	4	18 mm	BST500	3	5.595 m	16.8 m	1.997	33.5 kg	40 / 514 / 15
TR.2 - GRT-parter	5	12 mm	BST500	6	2.625 m	15.7 m	0.887	14.0 kg	50 / 45° / 75 / 45° / 50
TR.2 - GRT-parter	6	16 mm	BST500	3	6.975 m	20.9 m	1.578	33.0 kg	60 / 629 / 15
TR.2 - GRT-parter	7	16 mm	BST500	3	4.675 m	14.0 m	1.578	22.1 kg	60 / 399 / 15
TR.2 - GRT-parter	8	16 mm	BST500	6	10.800 m	64.8 m	1.578	102.2 kg	60 / 967 / 60
TR.2 - GRT-parter	9	16 mm	BST500	6	5.825 m	34.9 m	1.578	55.1 kg	60 / 514 / 15
TR.2 - GRT-parter	10	14 mm	BST500	6	4.506 m	27.0 m	1.208	32.7 kg	40 / 376 / 40
TR.2 - GRT-parter	11	18 mm	BST500	6	5.597 m	33.6 m	1.997	67.1 kg	40 / 514 / 15
TR.2 - GRT-parter	12	18 mm	BST500	3	10.370 m	31.1 m	1.997	62.1 kg	40 / 967 / 40
TR.2 - GRT-parter	13	20 mm	BST500	24	9.161 m	219.9 m	2.465	542.0 kg	70 / 787 / 70
TR.2 - GRT-parter	14	16 mm	BST500	3	9.000 m	27.0 m	1.578	42.6 kg	60 / 787 / 60
TR.2 - GRT-parter	15	18 mm	BST500	3	8.970 m	26.9 m	1.997	53.7 kg	60 / 787 / 60
TOTAL				762		1586.5 m		1532.5 kg	

NOTE ARMATURI:

1. Raza de indoire a barelor se masoara pe exterior si este de:
   - min. 3Ø pentru bare cu Ø≤16mm;
   - min. 4,5Ø pentru bare cu Ø>16mm;



2. Acoperirea cu beton a armaturilor va fi de
   - 5.0 cm in fundatiile turnate in sapatura;
   - 3.5 cm in fundatiile turnate in cofraj; intrados placa pardoseala
   - 2.5 cm in stalpi, pereti, placa pardoseala;
   - 3.5 cm in grinzi;
   - 2.0 cm in placi, rampe, parapeti;
3. Cotele partiale ale armaturilor reprezinta dimensiunea la exterior a acestora

MATERIALE:

1.	EGALIZARI FUNDATII	**C12/15** - clasa de exp. **X0** ,	cf. NE 012-1
2.	BETON ARMAT IN FUNDATII	**C25/30** - clasa de exp. **XC2**,	cf. NE 012-1
3.	BETON ARMAT IN PARDOSEALA	**C25/30** - clasa de exp. **XC2+XD2,**	cf. NE 012-1
4.	BETON ARMAT IN SUPRASTRUCTURA	**C25/30,** - clasa de exp. **XC4+XD2,**	cf. NE 012-1
5.	ARMATURA	**BST500,** categ. C de ductilitate, cf.ST 009-2011	
		SPP8 plasa sudata profilata cf. SR 438	
6.	OTEL LAMINAT	**S355J0(H), S275JR(H)** cf. EN 10025, EN 10210/10219 (tevi)	
7.	ORGANE DE ASAMBLARE	**GR.10.9** cf.EN14399-4/6 (partial filetate)	
8.	SURUBURI DE ANCORAJ	**Gr. 6.8 sau otel S355**	
9.	SURUBURI CU ANCORAJ CHIMIC	**GR.5.8 tip Hilti cu mortar HIT RE500**	

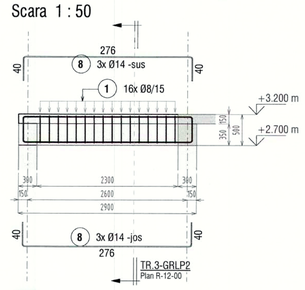
PROIECTANT GENERAL: SVO CONSULTING S.R.L.

	S.C. EVO PROIECT S.R.L. Str. sos. Giurgiului nr. 44, bl. C2, sc. C, ap. 31, et. 4, oras Videle, jud. Teleorman. Nr. Reg. Com.: J34/558/2016 C.U.I.: 24322887 Telefon : 0766.10.77.40 Email: office.evoproiect@gmail.com	
Sef Proiect	arh. Enescu Răzvan	
Proiectat	ing. Ionuț-Lucian Vițâ	
Desenat	ing. Ionuț-Lucian Vițâ	

BENEFICIAR: COMUNA MALU MARE, JUDEȚUL DOLJ	Nr. proiect: EVP338/2025
PROIECT: DEZVOLTAREA INFRASTRUCTURII EDUCATIONALE PENTRU NIVELUL PRESCOLAR ÎN COMUNA MALU MARE, SAT PREAJBA, JUDEȚUL DOLJ	Nr. plan: R-11-00
AMPLASAMENT: Comuna Malu Mare, Localitatea Preajba, str. Frasinului, nr.12, T10 P52, nr. cad. 44309, cod postal 207367, Jud. Dolj.	Data: Martie 2025
SCARA: As indicated	Titlu plansa: **Plan armare grinzi transversale parter TRONSON 2**
	Faza: D.T.A.C.+P.T.
	Specialitate: STRUCTURA
	Desen nr. : EVP338/2025- D.T.A.C.+P.T.- R-11-00

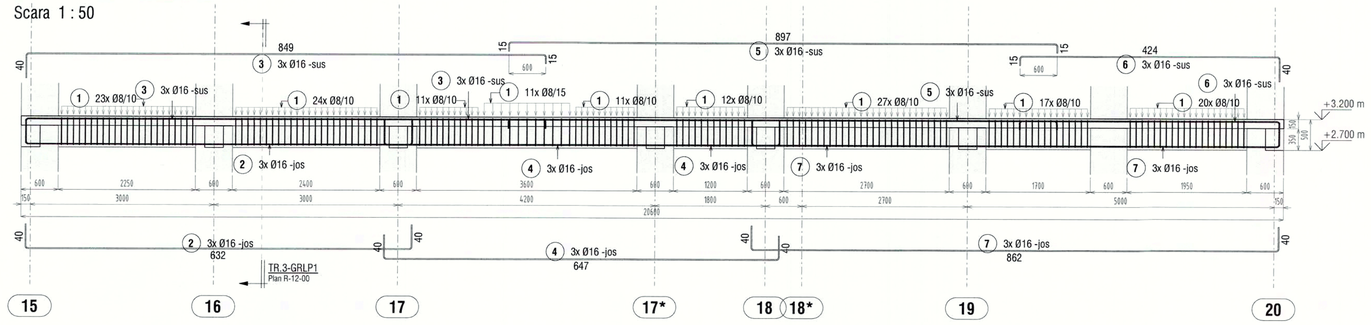
TR.3-GRL ax A-B/14*-15

Scara 1 : 50



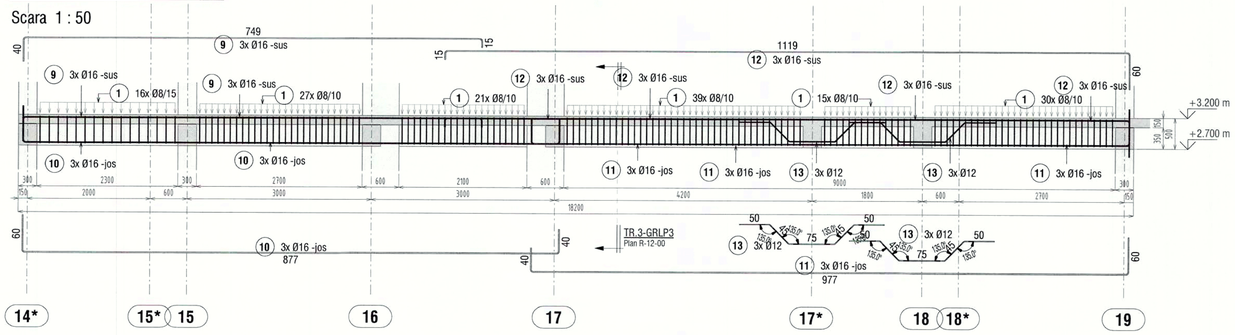
TR.3-GRL ax A/15-20

Scara 1 : 50



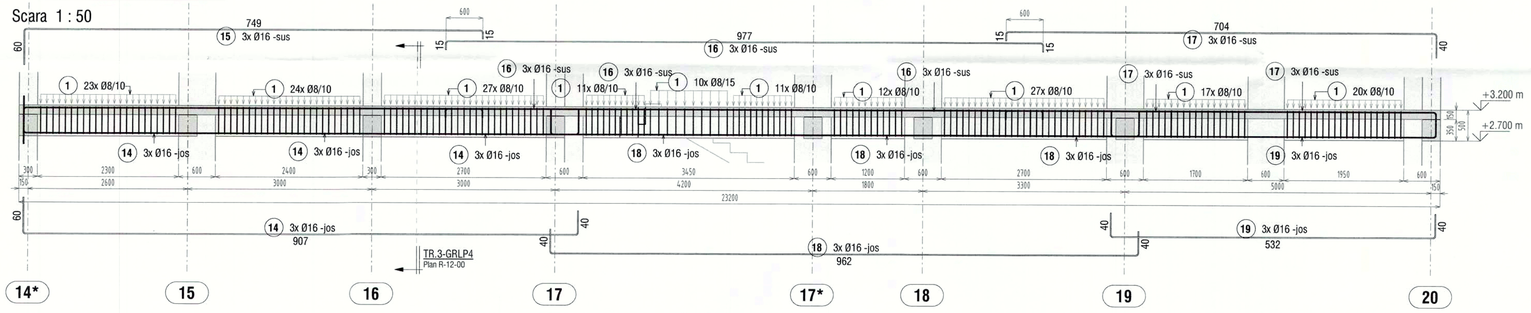
TR.3-GRL ax B/14*-19

Scara 1 : 50



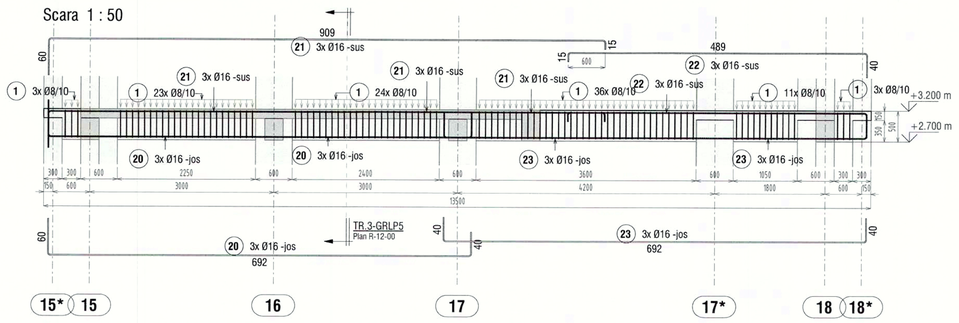
TR.3-GRL ax C/14*-20

Scara 1 : 50



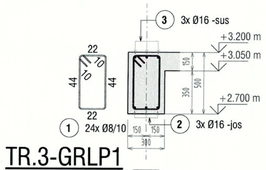
TR.3-GRL ax C/15*-18*

Scara 1 : 50



TR.3-GRLP1

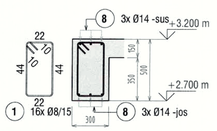
Scara 1 : 25



A

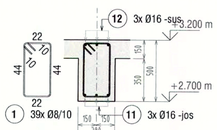
TR.3-GRLP2

Scara 1 : 25



TR.3-GRLP3

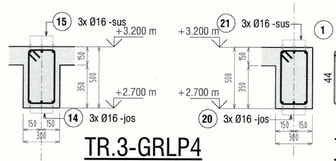
Scara 1 : 25



B

TR.3-GRLP4

Scara 1 : 25



C

TR.3-GRLP5

Scara 1 : 25

E

10. Extras armare GR-L parter TR.3

Categorie	Marca	Diametru	Otel	Nr. bucati	Lungime bara	Lungime totala [m]	Greutate/ml	Greutate [kg]	Bending Detail
TR.3 - GRL-parter	1	8 mm	BST500	602	1.470 m	885.1 m	0.394	349.1 kg	44 / 22 / 22 / 44
TR.3 - GRL-parter	2	16 mm	BST500	3	7.050 m	21.1 m	1.578	33.4 kg	40 / 632 / 40
TR.3 - GRL-parter	3	16 mm	BST500	3	8.975 m	26.9 m	1.578	42.5 kg	40 / 849 / 15
TR.3 - GRL-parter	4	16 mm	BST500	3	7.200 m	21.6 m	1.578	34.1 kg	40 / 647 / 40
TR.3 - GRL-parter	5	16 mm	BST500	3	9.200 m	27.6 m	1.578	43.5 kg	15 / 897 / 15
TR.3 - GRL-parter	6	16 mm	BST500	3	4.725 m	14.2 m	1.578	22.4 kg	15 / 424 / 40
TR.3 - GRL-parter	7	16 mm	BST500	3	9.350 m	28.0 m	1.578	44.2 kg	40 / 862 / 40
TR.3 - GRL-parter	8	14 mm	BST500	6	3.506 m	21.0 m	1.208	25.4 kg	40 / 276 / 40
TR.3 - GRL-parter	9	16 mm	BST500	3	7.975 m	23.9 m	1.578	37.7 kg	40 / 749 / 15
TR.3 - GRL-parter	10	16 mm	BST500	3	9.700 m	29.1 m	1.578	45.9 kg	60 / 877 / 40
TR.3 - GRL-parter	11	16 mm	BST500	3	10.700 m	32.1 m	1.578	50.6 kg	60 / 977 / 40
TR.3 - GRL-parter	12	16 mm	BST500	3	11.875 m	35.6 m	1.578	56.2 kg	60 / 1119 / 15
TR.3 - GRL-parter	13	12 mm	BST500	6	2.625 m	15.7 m	0.887	14.0 kg	50 / 45 / 75 / 45 / 50
TR.3 - GRL-parter	14	16 mm	BST500	3	10.000 m	30.0 m	1.578	47.3 kg	60 / 907 / 40
TR.3 - GRL-parter	15	16 mm	BST500	3	8.175 m	24.5 m	1.578	38.7 kg	60 / 749 / 15
TR.3 - GRL-parter	16	16 mm	BST500	3	10.000 m	30.0 m	1.578	47.3 kg	15 / 977 / 15
TR.3 - GRL-parter	17	16 mm	BST500	3	7.525 m	22.6 m	1.578	35.6 kg	15 / 704 / 40
TR.3 - GRL-parter	18	16 mm	BST500	3	10.350 m	31.0 m	1.578	49.0 kg	40 / 962 / 40
TR.3 - GRL-parter	19	16 mm	BST500	3	6.050 m	18.1 m	1.578	28.6 kg	40 / 532 / 40
TR.3 - GRL-parter	20	16 mm	BST500	3	7.850 m	23.5 m	1.578	37.1 kg	60 / 692 / 40
TR.3 - GRL-parter	21	16 mm	BST500	3	9.775 m	29.3 m	1.578	46.3 kg	60 / 909 / 15
TR.3 - GRL-parter	22	16 mm	BST500	3	5.375 m	16.1 m	1.578	25.4 kg	40 / 489 / 15
TR.3 - GRL-parter	23	16 mm	BST500	3	7.650 m	22.9 m	1.578	36.2 kg	40 / 692 / 40
TOTAL				674		1430.4 m		1190.6 kg	

NOTE ARMATURI:

1. Raza de indoire a barelor se masoara pe exterior si este de:
   - min. 3Ø pentru bare cu Ø≤16mm;
   - min. 4,5Ø pentru bare cu Ø>16mm;

2. Acoperirea cu beton a armaturilor va fi de
   - 5.0 cm in fundatiile turnate in sapatura;
   - 3.5 cm in fundatiile turnate in cofraj; intrados placa pardoseala
   - 2.5 cm in stalpi, pereti, placa pardoseala;
   - 3.5 cm in grinzi;
   - 2.0 cm in placi, rampe, parapeti;
3. Cotele partiale ale armaturilor reprezinta dimensiunea la exterior a acestora

MATERIALE:

1.	EGALIZARI FUNDATII	**C12/15** - clasa de exp. **X0** ,	cf. NE 012-1
2.	BETON ARMAT IN FUNDATII	**C25/30** - clasa de exp. **XC2**,	cf. NE 012-1
3.	BETON ARMAT IN PARDOSEALA	**C25/30** - clasa de exp. **XC2+XD2,**	cf. NE 012-1
4.	BETON ARMAT IN SUPRASTRUCTURA	**C25/30,** - clasa de exp. **XC4+XD2,**	cf. NE 012-1
5.	ARMATURA	**BST500**, categ. C de ductilitate, cf.ST 009-2011 **SPPB** plasa sudata profilata cf. SR 438	
6.	OTEL LAMINAT	**S355J0(H), S275JR(H)** cf. EN 10025, EN 10210/10219 (tevi)	
7.	ORGANE DE ASAMBLARE	**GR.10.9** cf.EN14399-4/6 (partial filetate)	
8.	SURUBURI DE ANCORAJ	**Gr. 6.8 sau otel S355**	
9.	SURUBURI CU ANCORAJ CHIMIC	**GR.5.8 tip Hilti cu mortar HIT RE500**	

PROIECTANT GENERAL: SVO CONSULTING S.R.L.

S.C. EVO PROIECT S.R.L.
Str. sos. Giurgiului nr. 44, bl. C9, sc. C, ap.31, et. 4, oras Videle, jud. Teleorman.
Nr. Reg. Com.: J34/558/2016
C.U.I.: 24322887
Telefon : 0766.10.77.40
Email: office.evoproiect@gmail.com

Sef Proiect	arh. Enescu Răzvan	
Proiectat	ing. Ionuț-Lucian Vițâ	
Desenat	ing. Ionuț-Lucian Vițâ	

BENEFICIAR: COMUNA MALU MARE, JUDEȚUL DOLJ — Nr. proiect: EVP338/2025

PROIECT: REDIMENSIONARE INFRASTRUCTURI EDUCATIONALE PENTRU NIVELUL PREȘCOLAR ÎN COMUNA MALU MARE, SAT PREAJBA, JUDEȚUL DOLJ — Nr. plan: R-12-00

AMPLASAMENT: Comuna Malu Mare, Localitatea Preajba, str. Frasinului, nr.12, T10 P52, nr. cad. 44309, cod postal 207367, Jud. Dolj. — Data: Martie 2025

SCARA: as indicated

Titlu plansa: **Plan armare grinzi longitudinale parter TRONSON 3**

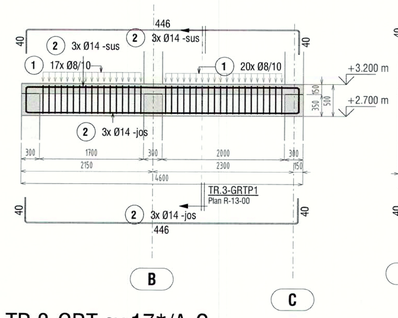
Faza: D.T.A.C.+P.T.

Specialitate: STRUCTURA

Desen nr. : EVP338/2025- D.T.A.C.+P.T.- R-12-00

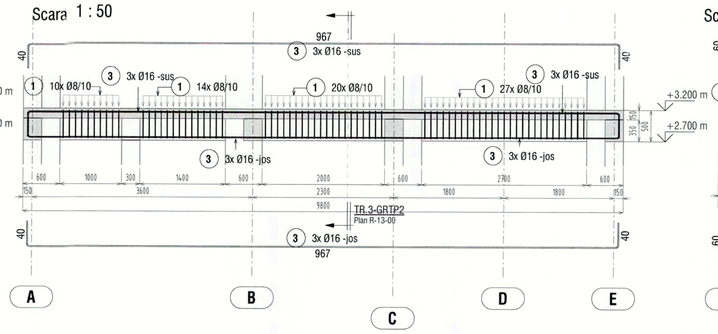
TR.3-GRT ax 14*/A-C

Scara 1 : 50



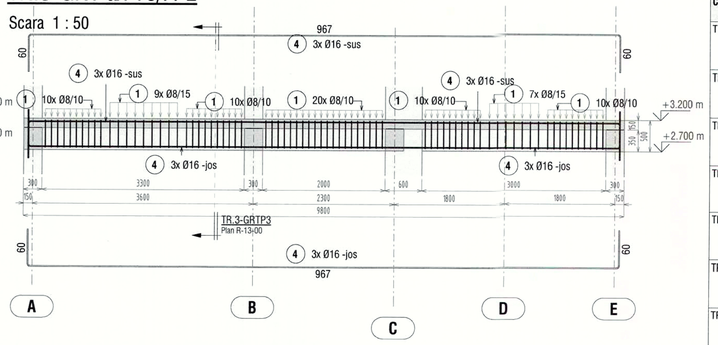
TR.3-GRT ax 15/A-E

Scara 1 : 50



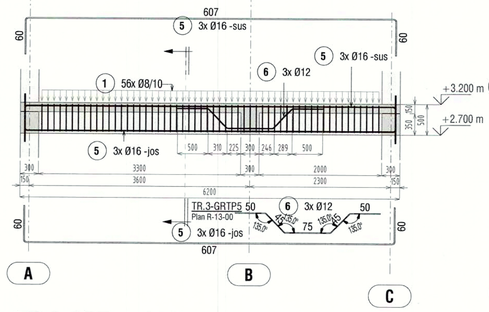
TR.3-GRT ax 16/A-E

Scara 1 : 50



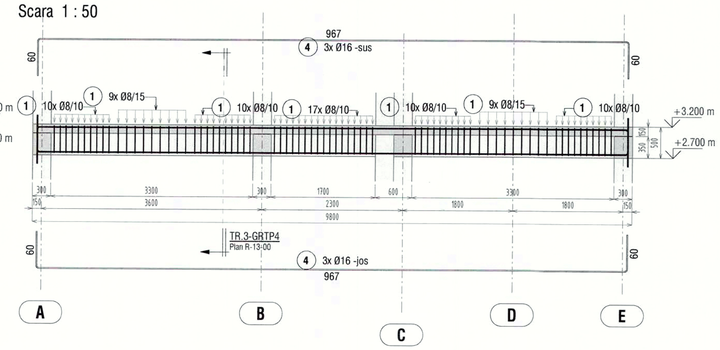
TR.3-GRT ax 17*/A-C

Scara 1 : 50



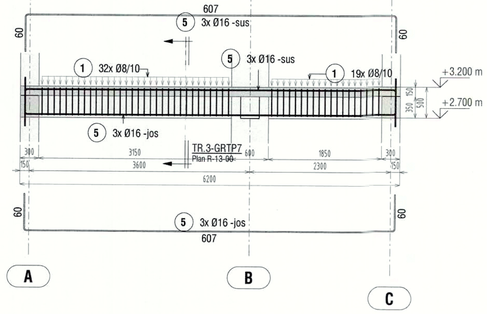
TR.3-GRT ax 17/A-E

Scara 1 : 50



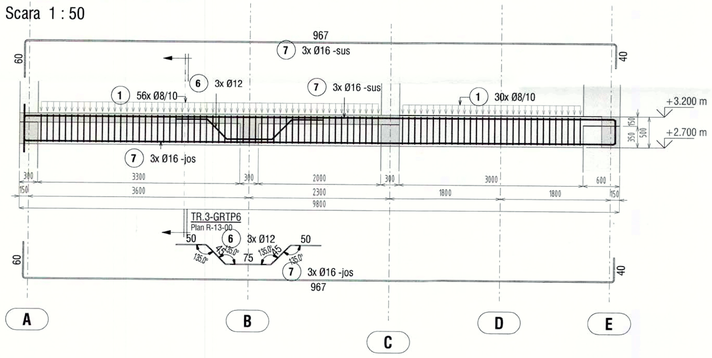
TR.3-GRT ax 19/A-C

Scara 1 : 50



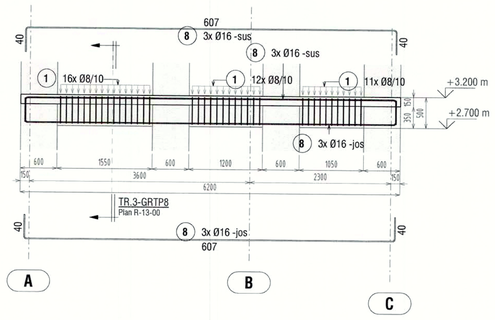
TR.3-GRT ax 18/A-E

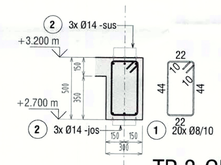
Scara 1 : 50



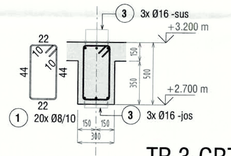
TR.3-GRT ax 20/A-C

Scara 1 : 50

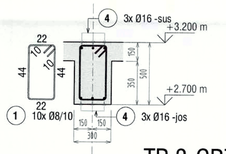




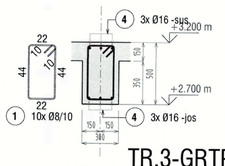
14* TR.3-GRTP1
Scara 1 : 25



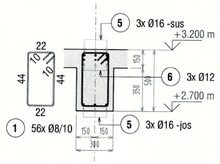
15 TR.3-GRTP2
Scara 1 : 25



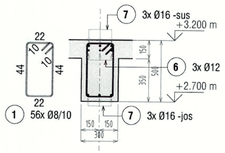
16 TR.3-GRTP3
Scara 1 : 25



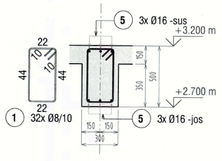
17 TR.3-GRTP4
Scara 1 : 25



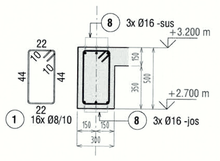
17* TR.3-GRTP5
Scara 1 : 25



18 TR.3-GRTP6
Scara 1 : 25



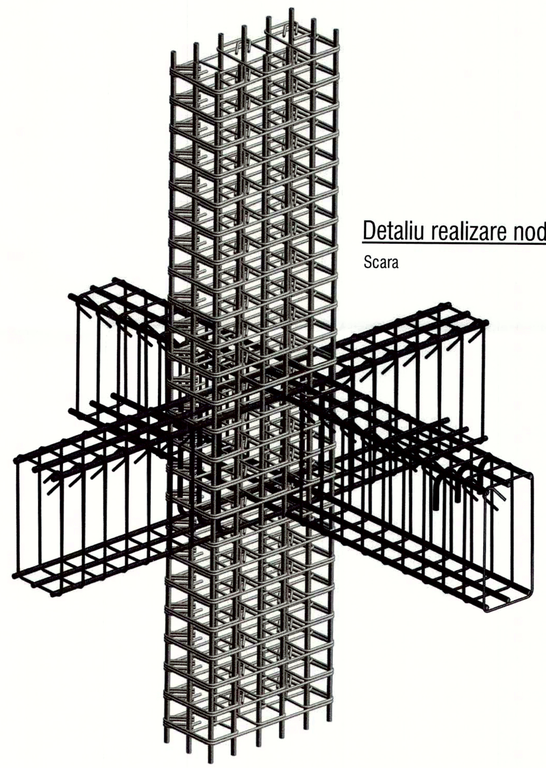
19 TR.3-GRTP7
Scara 1 : 25



20 TR.3-GRTP8
Scara 1 : 25

11. Extras armare GR-T parter TR.3

Categorie	Marca	Diametru	Otel	Nr. bucati	Lungime bara	Lungime totala [m]	Greutate/ml	Greutate [kg]	Bending Detail
TR.3 - GRT-parter	1	8 mm	BST500	491	1.470 m	721.9 m	0.394	284.7 kg	44 / 22 / 22 / 44
TR.3 - GRT-parter	2	14 mm	BST500	6	5.206 m	31.2 m	1.208	37.7 kg	40 / 446 / 40
TR.3 - GRT-parter	3	16 mm	BST500	6	10.400 m	62.4 m	1.578	98.4 kg	40 / 967 / 40
TR.3 - GRT-parter	4	16 mm	BST500	12	10.800 m	129.6 m	1.578	204.4 kg	60 / 967 / 60
TR.3 - GRT-parter	5	16 mm	BST500	12	7.200 m	86.4 m	1.578	136.3 kg	60 / 607 / 60
TR.3 - GRT-parter	6	12 mm	BST500	6	2.625 m	15.7 m	0.887	14.0 kg	50 / 45 / 75 / 45 / 50
TR.3 - GRT-parter	7	16 mm	BST500	6	10.600 m	63.6 m	1.578	100.3 kg	60 / 967 / 40
TR.3 - GRT-parter	8	16 mm	BST500	6	6.800 m	40.8 m	1.578	64.4 kg	40 / 607 / 40
TOTAL				545		1151.7 m		940.3 kg	



Detaliu realizare nod de cadru

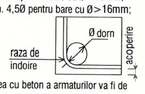
Scara

MATERIALE:

1.	EGALIZARI FUNDATII	**C12/15** - clasa de exp. **X0** ,	cf. NE 012-1
2.	BETON ARMAT IN FUNDATII	**C25/30** - clasa de exp. **XC2**,	cf. NE 012-1
3.	BETON ARMAT IN PARDOSEALA	**C25/30** - clasa de exp. **XC2+XD2**,	cf. NE 012-1
4.	BETON ARMAT IN SUPRASTRUCTURA	**C25/30,** - clasa de exp. **XC4+XD2**,	cf. NE 012-1
5.	ARMATURA	**BST500**, categ. C de ductilitate,	cf.ST 009-2011
		SPPB plasa sudata profilata cf. SR 438	
6.	OTEL LAMINAT	**S355J0(H), S275JR(H)** cf. EN 10025, EN 10210/10219 (tevi)	
7.	ORGANE DE ASAMBLARE	**GR.10.9** cf.EN14399-4/6 (partial filetate)	
8.	SURUBURI DE ANCORAJ	**Gr. 6.8 sau otel S355**	
9.	SURUBURI CU ANCORAJ CHIMIC	**GR.5.8 tip Hilti cu mortar HIT RE500**	

NOTE ARMATURI:

1. Raza de indoire a barelor se masoara pe exterior si este de:
   - min. 3Ø pentru bare cu Ø≤16mm;
   - min. 4,5Ø pentru bare cu Ø>16mm;



2. Acoperirea cu beton a armaturilor va fi de
   - 5.0 cm in fundatiile turnate in sapatura;
   - 3.5 cm in fundatiile turnate in cofraj; intrados placa pardoseala
   - 2.5 cm in stalpi, pereti, placa pardoseala;
   - 3.5 cm in grinzi;
   - 2.0 cm in placi, rampe, parapeti;
   - Cotele partiale ale armaturilor reprezinta dimensiunea la exterior a acestora

PROIECTANT GENERAL: SVO CONSULTING S.R.L.

S.C. EVO PROIECT S.R.L.
Str. sos. Giurgiului nr. 44, bl. C9, sc. C, ap 31, et. 4, oras Videle, jud. Teleorman.
Nr. Reg. Com.: J34/558/2016
C.U.I.: 24322887
Telefon : 0766.10.77.40
Email: office.evoproiect@gmail.com

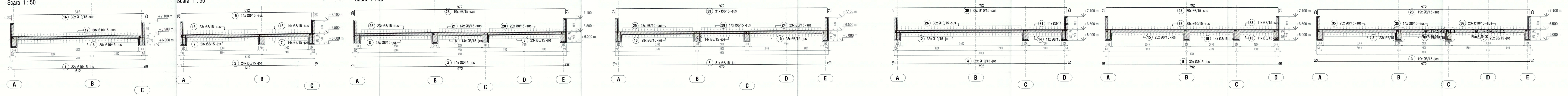
BENEFICIAR: COMUNA MALU MARE, JUDEȚUL DOLJ		Nr. proiect: EVP338/2025
PROIECT: DEZVOLTAREA INFRASTRUCTURII EDUCATIONALE PENTRU NIVELUL PRESCOLAR ÎN COMUNA MALU MARE, SAT PREAJBA, JUDEȚUL DOLJ		Nr. plan: R-13-00
AMPLASAMENT: Comuna Malu Mare, Localitatea Preajba, str. Frasinului, nr.12, T10 P52, nr. cad. 44309, cod poștal 207367, Jud. Dolj.		Data: Martie 2025
Sef Proiect	arh. Enescu Răzvan	
Proiectat	ing. Ionuț-Lucian Vițâ	
Desenat	ing. Ionuț-Lucian Vițâ	
SCARA: As indicated	Titlu plansa: **Plan armare grinzi transversale parter TRONSON 3**	Faza: D.T.A.C. +P.T.
	Desen nr. : EVP338/2025- D.T.A.C. +P.T.- R-13-00	Specialitate: STRUCTURA

Plan armare placa peste parter
Scara 1 : 50

Plan armare placa peste etaj
Scara 1 : 50

SPP1 Scara 1 : 50 — SPP2 Scara 1 : 50 — SPP3 Scara 1 : 50 — SPP4 Scara 1 : 50 — SPP5 Scara 1 : 50 — SPP6 Scara 1 : 50 — SPP7 Scara 1 : 50 — SPP8 Scara 1 : 50 — SPP9 Scara 1 : 50 — SPP10 Scara 1 : 50 — SPP11 Scara 1 : 50

SPP12 Scara 1 : 50 — SPP13 Scara 1 : 50 — SPP14 Scara 1 : 50 — SPP15 Scara 1 : 50 — SPP16 Scara 1 : 50 — SPP17 Scara 1 : 50 — SPP18 Scara 1 : 50



13. Extras armare placa peste etaj

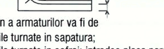
Categorie	Marca	Diametru	Otel	Nr. bucati	Lungime bara	Lungime totala [m]	Greutate/ ml	Greutate [kg]	Bending Detail
Placa peste etaj	1	10 mm	BST500	64	6.279 m	401.8 m	0.616	247.6 kg	10 / 612 / 10
Placa peste etaj	2	8 mm	BST500	79	6.287 m	496.7 m	0.394	195.9 kg	10 / 612 / 10
Placa peste etaj	3	8 mm	BST500	188	9.887 m	1858.7 m	0.394	733.1 kg	10 / 972 / 10
Placa peste etaj	4	10 mm	BST500	123	8.079 m	993.7 m	0.616	612.3 kg	10 / 792 / 10
Placa peste etaj	5	8 mm	BST500	30	8.087 m	242.6 m	0.394	95.7 kg	10 / 792 / 10
Placa peste etaj	6	10 mm	BST500	76	5.379 m	408.8 m	0.616	251.9 kg	10 / 522 / 10
Placa peste etaj	7	8 mm	BST500	85	9.687 m	823.4 m	0.394	324.7 kg	10 / 952 / 10
Placa peste etaj	8	8 mm	BST500	143	6.387 m	913.3 m	0.394	360.2 kg	10 / 622 / 10
Placa peste etaj	9	8 mm	BST500	28	2.987 m	83.6 m	0.394	33.0 kg	10 / 282 / 10
Placa peste etaj	10	8 mm	BST500	60	5.187 m	311.2 m	0.394	122.7 kg	10 / 502 / 10
Placa peste etaj	11	8 mm	BST500	60	7.187 m	431.2 m	0.394	170.1 kg	10 / 702 / 10
Placa peste etaj	12	10 mm	BST500	38	10.379 m	394.4 m	0.616	243.0 kg	10 / 1022 / 10
Placa peste etaj	13	10 mm	BST500	38	9.679 m	367.8 m	0.616	226.6 kg	10 / 952 / 10
Placa peste etaj	14	8 mm	BST500	11	10.387 m	114.3 m	0.394	45.1 kg	10 / 1022 / 10
Placa peste etaj	15	8 mm	BST500	48	5.087 m	244.2 m	0.394	96.3 kg	10 / 492 / 10
Placa peste etaj	16	10 mm	BST500	64	6.579 m	421.0 m	0.616	259.4 kg	25 / 612 / 25
Placa peste etaj	17	10 mm	BST500	38	6.774 m	257.4 m	0.616	158.6 kg	10 / 647 / 25
Placa peste etaj	18	8 mm	BST500	37	10.075 m	372.8 m	0.394	147.0 kg	10 / 991 / 10
Placa peste etaj	19	8 mm	BST500	79	6.587 m	520.4 m	0.394	205.2 kg	25 / 612 / 25
Placa peste etaj	20	8 mm	BST500	23	6.687 m	153.8 m	0.394	60.7 kg	25 / 622 / 25
Placa peste etaj	21	8 mm	BST500	14	7.681 m	107.5 m	0.394	42.4 kg	25 / 736 / 10
Placa peste etaj	22	8 mm	BST500	23	5.081 m	116.9 m	0.394	46.1 kg	25 / 476 / 10
Placa peste etaj	23	8 mm	BST500	156	10.187 m	1589.1 m	0.394	626.7 kg	25 / 972 / 25
Placa peste etaj	24	8 mm	BST500	23	9.181 m	211.2 m	0.394	83.3 kg	10 / 886 / 25
Placa peste etaj	25	8 mm	BST500	23	3.581 m	82.4 m	0.394	32.5 kg	25 / 326 / 10
Placa peste etaj	26	10 mm	BST500	38	10.169 m	386.4 m	0.616	238.1 kg	10 / 1001 / 10
Placa peste etaj	27	10 mm	BST500	38	9.769 m	371.2 m	0.616	228.7 kg	10 / 961 / 10
Placa peste etaj	28	10 mm	BST500	38	7.574 m	287.8 m	0.616	177.3 kg	25 / 727 / 10
Placa peste etaj	29	8 mm	BST500	37	10.181 m	376.7 m	0.394	148.6 kg	10 / 986 / 25
Placa peste etaj	30	10 mm	BST500	123	8.379 m	1030.6 m	0.616	635.1 kg	25 / 792 / 25
Placa peste etaj	31	8 mm	BST500	11	7.581 m	83.4 m	0.394	32.9 kg	25 / 726 / 10
Placa peste etaj	32	8 mm	BST500	11	10.475 m	115.2 m	0.394	45.4 kg	10 / 1031 / 10
Placa peste etaj	33	8 mm	BST500	11	7.581 m	83.4 m	0.394	32.9 kg	10 / 726 / 25
Placa peste etaj	34	8 mm	BST500	14	4.681 m	65.5 m	0.394	25.8 kg	25 / 436 / 10
Placa peste etaj	35	8 mm	BST500	37	6.975 m	258.1 m	0.394	101.8 kg	10 / 681 / 10
Placa peste etaj	36	10 mm	BST500	23	8.574 m	197.2 m	0.616	121.5 kg	25 / 827 / 10
Placa peste etaj	37	8 mm	BST500	37	5.475 m	202.6 m	0.394	79.9 kg	10 / 531 / 10
Placa peste etaj	38	10 mm	BST500	38	7.874 m	299.2 m	0.616	184.4 kg	10 / 757 / 25
Placa peste etaj	39	8 mm	BST500	32	2.987 m	95.6 m	0.394	37.7 kg	25 / 252 / 25
Placa peste etaj	40	8 mm	BST500	32	2.687 m	86.0 m	0.394	33.9 kg	10 / 252 / 10
Placa peste etaj	41	10 mm	BST500	23	4.575 m	105.2 m	0.616	64.8 kg	25 / 427 / 10
Placa peste etaj	42	8 mm	BST500	30	8.387 m	251.6 m	0.394	99.2 kg	25 / 792 / 25
Placa peste etaj	43	8 mm	BST500	23	2.081 m	47.9 m	0.394	18.9 kg	25 / 176 / 10
Placa peste etaj	44	8 mm	BST500	32	10.171 m	325.5 m	0.394	128.4 kg	24 / 972 / 24
TOTAL				2179		16586.9 m		7855.4 kg	

12. Extras armare placa peste parter

Categorie	Marca	Diametru	Otel	Nr. bucati	Lungime bara	Lungime totala [m]	Greutate/ ml	Greutate [kg]	Bending Detail
Placa peste parter	1	10 mm	BST500	64	6.279 m	401.8 m	0.616	247.6 kg	10 / 612 / 10
Placa peste parter	2	8 mm	BST500	148	6.287 m	930.5 m	0.394	367.0 kg	10 / 612 / 10
Placa peste parter	3	8 mm	BST500	119	9.887 m	1176.5 m	0.394	464.0 kg	10 / 972 / 10
Placa peste parter	4	8 mm	BST500	32	4.687 m	150.0 m	0.394	59.1 kg	10 / 452 / 10
Placa peste parter	5	10 mm	BST500	123	8.079 m	993.7 m	0.616	612.3 kg	10 / 792 / 10
Placa peste parter	6	8 mm	BST500	30	8.087 m	242.6 m	0.394	95.7 kg	10 / 792 / 10
Placa peste parter	7	8 mm	BST500	7	3.987 m	27.9 m	0.394	11.0 kg	10 / 382 / 10
Placa peste parter	8	10 mm	BST500	76	5.379 m	408.8 m	0.616	251.9 kg	10 / 522 / 10
Placa peste parter	9	8 mm	BST500	85	9.687 m	823.4 m	0.394	324.7 kg	10 / 952 / 10
Placa peste parter	10	8 mm	BST500	97	6.387 m	619.5 m	0.394	244.3 kg	10 / 622 / 10
Placa peste parter	11	8 mm	BST500	52	2.987 m	155.3 m	0.394	61.3 kg	10 / 282 / 10
Placa peste parter	12	8 mm	BST500	37	5.187 m	191.9 m	0.394	75.7 kg	10 / 502 / 10
Placa peste parter	13	8 mm	BST500	60	7.187 m	431.2 m	0.394	170.1 kg	10 / 702 / 10
Placa peste parter	14	10 mm	BST500	38	10.379 m	394.4 m	0.616	243.0 kg	10 / 1022 / 10
Placa peste parter	15	10 mm	BST500	38	9.679 m	367.8 m	0.616	226.6 kg	10 / 952 / 10
Placa peste parter	16	8 mm	BST500	11	10.387 m	114.3 m	0.394	45.1 kg	10 / 1022 / 10
Placa peste parter	17	8 mm	BST500	48	5.087 m	244.2 m	0.394	96.3 kg	10 / 492 / 10
Placa peste parter	18	8 mm	BST500	23	7.587 m	174.5 m	0.394	68.8 kg	10 / 742 / 10
Placa peste parter	19	10 mm	BST500	64	6.579 m	421.0 m	0.616	259.4 kg	25 / 612 / 25
Placa peste parter	20	10 mm	BST500	38	6.774 m	257.4 m	0.616	158.6 kg	10 / 647 / 25
Placa peste parter	21	8 mm	BST500	37	10.075 m	372.8 m	0.394	147.0 kg	10 / 991 / 10
Placa peste parter	22	8 mm	BST500	148	6.587 m	974.9 m	0.394	384.5 kg	25 / 612 / 25
Placa peste parter	23	8 mm	BST500	23	6.687 m	153.8 m	0.394	60.7 kg	25 / 622 / 25
Placa peste parter	24	8 mm	BST500	26	7.681 m	199.7 m	0.394	78.8 kg	25 / 736 / 10
Placa peste parter	25	8 mm	BST500	12	5.081 m	61.0 m	0.394	24.0 kg	25 / 476 / 10
Placa peste parter	26	8 mm	BST500	32	4.987 m	159.6 m	0.394	62.9 kg	25 / 452 / 25
Placa peste parter	27	8 mm	BST500	119	10.187 m	1212.2 m	0.394	478.1 kg	25 / 972 / 25
Placa peste parter	28	8 mm	BST500	23	9.181 m	211.2 m	0.394	83.3 kg	10 / 886 / 25
Placa peste parter	29	8 mm	BST500	23	3.581 m	82.4 m	0.394	32.5 kg	25 / 326 / 10
Placa peste parter	30	8 mm	BST500	23	5.381 m	123.8 m	0.394	48.8 kg	10 / 506 / 25
Placa peste parter	31	10 mm	BST500	38	10.169 m	386.4 m	0.616	238.1 kg	10 / 1001 / 10
Placa peste parter	32	10 mm	BST500	38	9.769 m	371.2 m	0.616	228.7 kg	10 / 961 / 10
Placa peste parter	33	10 mm	BST500	38	7.574 m	287.8 m	0.616	177.3 kg	25 / 727 / 10
Placa peste parter	34	8 mm	BST500	14	10.181 m	142.5 m	0.394	56.2 kg	10 / 986 / 25
Placa peste parter	35	10 mm	BST500	123	8.379 m	1030.6 m	0.616	635.1 kg	25 / 792 / 25
Placa peste parter	36	8 mm	BST500	11	7.581 m	83.4 m	0.394	32.9 kg	25 / 726 / 10
Placa peste parter	37	8 mm	BST500	11	10.475 m	115.2 m	0.394	45.4 kg	10 / 1031 / 10
Placa peste parter	38	8 mm	BST500	11	7.581 m	83.4 m	0.394	32.9 kg	10 / 726 / 25
Placa peste parter	39	8 mm	BST500	26	4.681 m	121.7 m	0.394	48.0 kg	25 / 436 / 10
Placa peste parter	40	8 mm	BST500	37	6.975 m	258.1 m	0.394	101.8 kg	10 / 681 / 10
Placa peste parter	41	10 mm	BST500	23	7.880 m	181.2 m	0.616	111.7 kg	25 / 742 / 25
Placa peste parter	42	8 mm	BST500	7	4.287 m	30.0 m	0.394	11.8 kg	25 / 382 / 25
Placa peste parter	43	8 mm	BST500	37	5.475 m	202.6 m	0.394	79.9 kg	10 / 531 / 10
Placa peste parter	44	10 mm	BST500	38	7.874 m	299.2 m	0.616	184.4 kg	10 / 757 / 25
Placa peste parter	45	8 mm	BST500	30	8.387 m	251.6 m	0.394	99.2 kg	25 / 792 / 25
TOTAL				2138		15922.6 m		7566.6 kg	

NOTE ARMATURI:

1. Raza de indoire a barelor se masoara pe exterior si este de:
   - min. 3Ø pentru bare cu Ø≤16mm;
   - min. 4,5Ø pentru bare cu Ø>16mm;



2. Acoperirea cu beton a armaturilor va fi de
   - 5.0 cm in fundatiile turnate in sapatura;
   - 3.5 cm in fundatiile turnate in cofraj; intrados placa pardoseala
   - 2.5 cm in stalpi, pereti, placa pardoseala;
   - 3.5 cm in grinzi;
   - 2.0 cm in placi, rampe, parapeti;
3. Cotele partiale ale armaturilor reprezinta dimensiunea la exterior a acestora

MATERIALE:

1. EGALIZARI FUNDATII — **C12/15** - clasa de exp. **X0**, cf. NE 012-1
2. BETON ARMAT IN FUNDATII — **C25/30** - clasa de exp. **XC2**, cf. NE 012-1
3. BETON ARMAT IN PARDOSEALA — **C25/30** - clasa de exp. **XC2+XD2**, cf. NE 012-1
4. BETON ARMAT IN SUPRASTRUCTURA — **C25/30**, - clasa de exp. **XC4+XD2**, cf. NE 012-1
5. ARMATURA — **BST500**, categ. C de ductilitate, cf.ST 009-2011; **SPPB** plasa sudata profilata cf. SR 438
6. OTEL LAMINAT — **S355J0(H), S275JR(H)** cf. EN 10025, EN 10210/10219 (tevi)
7. ORGANE DE ASAMBLARE — **GR.10.9** cf.EN14399-4/6 (partial filetate)
8. SURUBURI DE ANCORAJ — **Gr. 6.8 sau otel S355**
9. SURUBURI CU ANCORAJ CHIMIC — **GR.5.8 tip Hilti cu mortar HIT RE500**

GRIGORE C. ION — ROMÂNIA MDLPA — NR. 09900 — NR. 09905 — A1,A2 — VERIFICATOR PROIECTE INGINER

PROIECTANT GENERAL: SVO CONSULTING S.R.L.

S.C. EVO PROIECT S.R.L.
Str. sos. Giurgiului nr. 44, bl. C9, sc. C, ap.31, et. 4, oras Videle, jud. Teleorman.
Nr. Reg. Com.: J34/558/2016
C.U.I.: 24322887
Telefon : 0766.10.77.40
Email: office.evoproiect@gmail.com

Sef Proiect	arh. Enescu Răzvan	
Proiectat	ing. Ionuț-Lucian Viță	
Desenat	ing. Ionuț-Lucian Viță	

BENEFICIAR: COMUNA MALU MARE, JUDEȚUL DOLJ

PROIECT: DEZVOLTAREA INFRASTRUCTURII EDUCATIONALE PENTRU NIVELUL PRESCOLAR ÎN COMUNA MALU MARE, SAT PREAJBA, JUDEȚUL DOLJ

AMPLASAMENT: Comuna Malu Mare, Localitatea Preajba, str. Frasinului, nr.12, T10 P52, nr. cad. 44309, cod poștal 207367, Jud. Dolj.

SCARA: 1 : 50

Titlu plansa: **Plan armare placă peste parter si armare placa peste etaj**

Desen nr. : EVP338/2025- D.T.A.C.+P.T.- R-14-00

Nr. proiect: EVP338/2025

Nr. plan: R-14-00

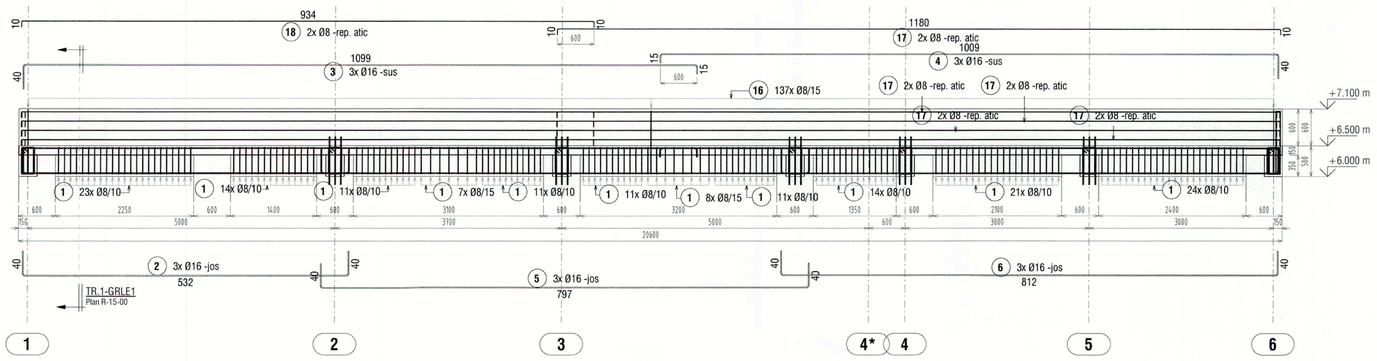
Data: Martie 2025

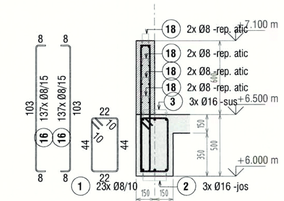
Faza: D.T.A.C.+P.T.

Specialitate: STRUCTURA

TR.1 ETAJ- GRL ax A/1-7

Scara 1 : 50

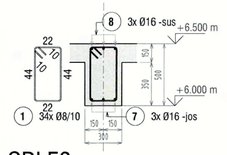




TR.1-GRLE1

Scara 1 : 25

A



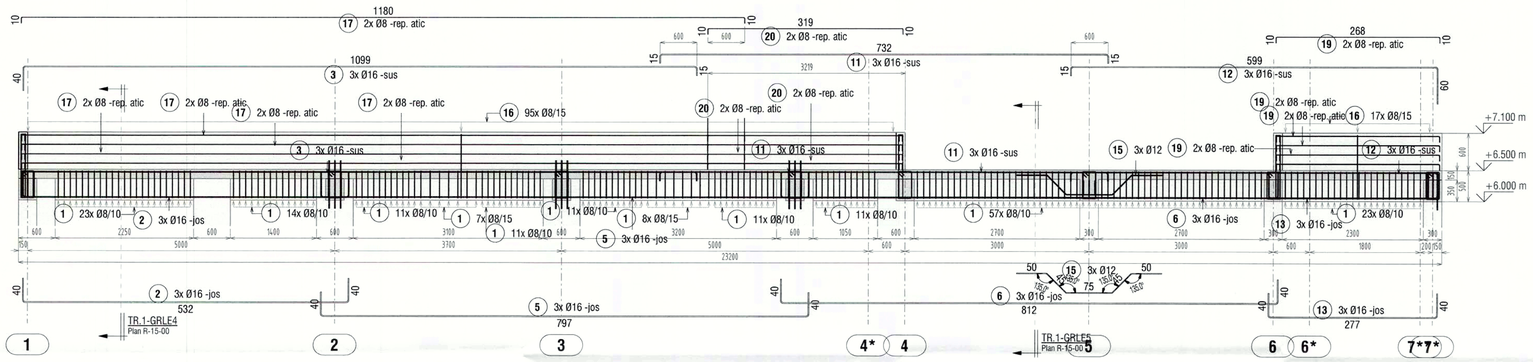
TR.1-GRLE2

Scara 1 : 25

B

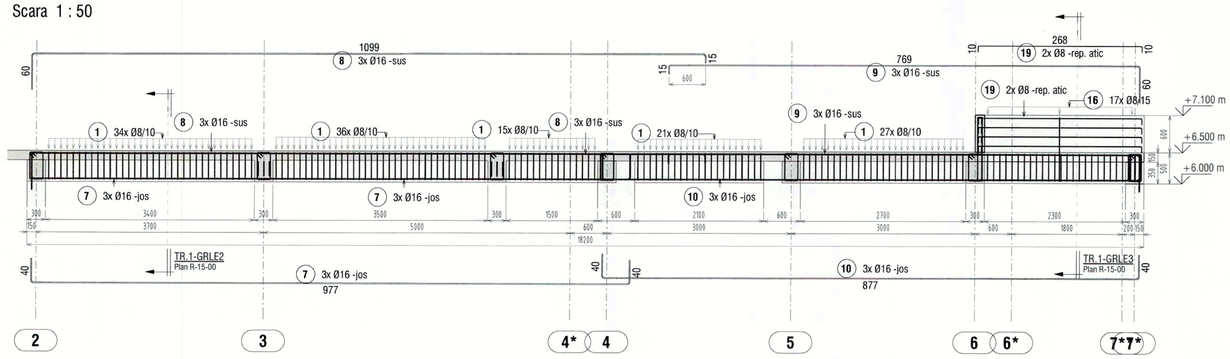
TR.1 ETAJ- GRL ax C/1-7*

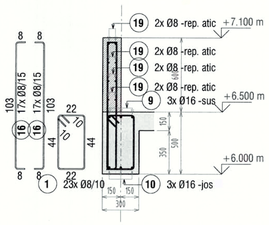
Scara 1 : 50



TR.1 ETAJ- GRL ax B/2-7*

Scara 1 : 50





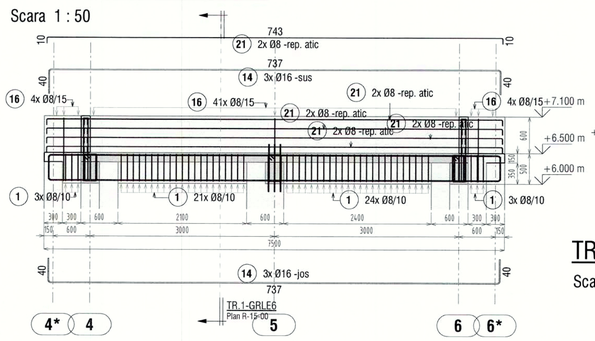
TR.1-GRLE3

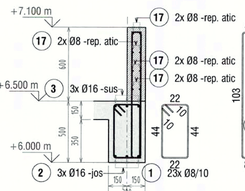
Scara 1 : 25

B

TR.1 ETAJ- GRL ax E/4*-6*

Scara 1 : 50

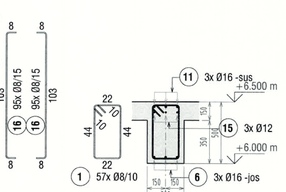




TR.1-GRLE4

Scara 1 : 25

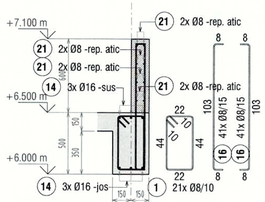
C



TR.1-GRLE5

Scara 1 : 25

C



TR.1-GRLE6

Scara 1 : 25

E

14. Extras armare GR-L etaj TR.1

Categorie	Marca	Diametru	Otel	Nr. bucati	Lungime bara	Lungime totala [m]	Greutate/ml	Greutate [kg]	Bending Detail
TR.1 - GRL-ETAJ	1	8 mm	BST500	549	1.470 m	807.2 m	0.394	318.3 kg	44
TR.1 - GRL-ETAJ	2	16 mm	BST500	6	6.050 m	36.3 m	1.578	57.3 kg	532
TR.1 - GRL-ETAJ	3	16 mm	BST500	6	11.475 m	68.8 m	1.578	108.6 kg	1099
TR.1 - GRL-ETAJ	4	16 mm	BST500	3	10.575 m	31.7 m	1.578	50.0 kg	1009
TR.1 - GRL-ETAJ	5	16 mm	BST500	6	8.700 m	52.2 m	1.578	82.3 kg	797
TR.1 - GRL-ETAJ	6	16 mm	BST500	6	8.850 m	53.1 m	1.578	83.8 kg	812
TR.1 - GRL-ETAJ	7	16 mm	BST500	3	10.501 m	31.5 m	1.578	49.7 kg	977
TR.1 - GRL-ETAJ	8	16 mm	BST500	3	11.675 m	35.0 m	1.578	55.3 kg	1099
TR.1 - GRL-ETAJ	9	16 mm	BST500	3	8.376 m	25.1 m	1.578	39.6 kg	769
TR.1 - GRL-ETAJ	10	16 mm	BST500	3	9.500 m	28.5 m	1.578	45.0 kg	877
TR.1 - GRL-ETAJ	11	16 mm	BST500	3	7.550 m	22.6 m	1.578	35.7 kg	732
TR.1 - GRL-ETAJ	12	16 mm	BST500	3	6.675 m	20.0 m	1.578	31.6 kg	599
TR.1 - GRL-ETAJ	13	16 mm	BST500	3	3.500 m	10.5 m	1.578	16.6 kg	277
TR.1 - GRL-ETAJ	14	16 mm	BST500	6	8.100 m	48.6 m	1.578	76.7 kg	737
TR.1 - GRL-ETAJ	15	12 mm	BST500	3	2.625 m	7.9 m	0.887	7.0 kg	50 45 75 45 50
TR.1 - GRL-ETAJ	16	8 mm	BST500	630	1.157 m	728.8 m	0.394	287.4 kg	103
TR.1 - GRL-ETAJ	17	8 mm	BST500	16	11.967 m	191.5 m	0.394	75.5 kg	1180
TR.1 - GRL-ETAJ	18	8 mm	BST500	8	9.505 m	76.0 m	0.394	30.0 kg	934
TR.1 - GRL-ETAJ	19	8 mm	BST500	16	2.847 m	45.5 m	0.394	18.0 kg	268
TR.1 - GRL-ETAJ	20	8 mm	BST500	8	3.355 m	26.8 m	0.394	10.6 kg	319
TR.1 - GRL-ETAJ	21	8 mm	BST500	8	7.597 m	60.8 m	0.394	24.0 kg	743
TOTAL				1292		2408.6 m		1502.9 kg	

NOTE GENERALE:

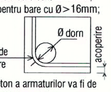
1. Conform normativului "P100-1/2013 - Cod de proiectare seismica - partea I - prevederi de proiectare pentru cladiri",
2. amplasamentul apartine zonei seismice pentru care valoarea de varf a acceleratiei terenului pentru proiectare are valoarea ag=**0,20g** pt. cutremure avand intervalul mediu de recurenta IMR= 225 ani si perioada de colt a spectrului de raspuns Tc=**1,00 sec**.
3. Clasa de importanta si de expunere la cutremur a constructiei (conform Normativului P100/1-2013) este III pentru care coeficientul γ1= **1,0**.
4. Constructia are un caracter permanent si se inscrie, conform HGR 766/1997, Anexa nr. 4 si a Ordinului 31/N din 03.10.1995 al MLPTL publicat in B.C. nr. 4/1996 in categoria "C" de importanta.
5. Sub aspectul incarcarii date de zapada, conform „Cod de proiectare. Evaluarea actiunii zapezii asupra constructiilor Indicativ CR1-1-3/2012" amplasamentul este caracterizat de o valoare caracteristica a incarcarii din zapada la sol s_0,k = **2,5** kN/m .
6. Sub aspectul incarcarii date de vânt, conform „Cod de proiectare. Evaluarea actiunii vantului asupra constructiilor - Indicativ CR1-1-4/2012" amplasamentul este caracterizat de o valoare de referinta a presiunii dinamice a vantului q_b=**0,4** kPa mediata pe 10 min avand o perioada de recurenta 50 de ani si cu probabilitate de depasire 2%;
7. Inceperea lucrarilor se va face numai dupa obtinerea autorizatiei de construire.
8. Neconvocarea proiectantului la fazele determinante din programul de control al calitatii executiei, avizat de ISC, pentru a se verifica conformitatea executiei cu detaliile din proiect, va conduce la degrevarea totala a partii de proiectare fata de responsabilitatea ce ar trebui asumata prin procesele verbale de receptie pe faze, procesele verbale preliminare si pentru receptia la terminarea lucrarilor.
9. Toate cotele sunt date in mm, cu exceptia cotelor de nivel care sunt date in m.
10. Se vor respecta normele de protectie a muncii si P.S.I. specifice lucrarilor.
11. Orice nepotrivire de date si cote va fi semnalata proiectantului, pentru analiza si solutionare.

MATERIALE:

1.	EGALIZARI FUNDATII	**C12/15** - clasa de exp. **X0** ,	cf. NE 012-1
2.	BETON ARMAT IN FUNDATII	**C25/30** - clasa de exp. **XC2**,	cf. NE 012-1
3.	BETON ARMAT IN PARDOSEALA	**C25/30** - clasa de exp. **XC2 + XD2**,	cf. NE 012-1
4.	BETON ARMAT IN SUPRASTRUCTURA	**C25/30**, - clasa de exp. **XC4 + XD2**,	cf. NE 012-1
5.	ARMATURA	**BST500**, categ. C de ductilitate, cf.ST 009-2011	
		SPPB plasa sudata profilata cf. SR 438	
6.	OTEL LAMINAT	**S355J0(H), S275JR(H)** cf. EN 10025, EN 10210/10219 (tevi)	
7.	ORGANE DE ASAMBLARE	**GR.10.9** cf.EN14399-4/6 (partial filetate)	
8.	SURUBURI DE ANCORAJ	**Gr. 6.8 sau otel S355**	
9.	SURUBURI CU ANCORAJ CHIMIC	**GR.5.8 tip Hilti cu mortar HIT RE500**	

NOTE ARMATURI:

1. Raza de indoire a barelor se masoara pe exterior si este de:
   - min. 3Ø pentru bare cu Ø≤16mm;
   - min. 4,5Ø pentru bare cu Ø>16mm;



2. Acoperirea cu beton a armaturilor va fi de
   - 5.0 cm in fundatiile turnate in sapatura;
   - 3.5 cm in fundatiile turnate in cofraj; intrados placa pardoseala
   - 2.5 cm in stalpi, pereti, placa pardoseala;
   - 3.5 cm in grinzi;
   - 2.0 cm in placi, rampe, parapeti;
3. Cotele partiale ale armaturilor reprezinta dimensiunea la exterior a acestora

PROIECTANT GENERAL: SVO CONSULTING S.R.L.

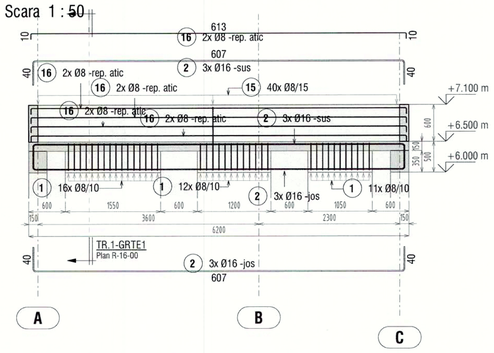
S.C. Evo Proiect S.R.L.
Str. sos. Giurgiului nr. 44, bl. C9, sc. C, ap 31, et. 4, oras Videle, jud. Teleorman.
Nr. Reg. Com.: J34/558/2016
C.U.I.: 24322887
Telefon : 0766.10.77.40
Email: office.evoproiect@gmail.com

Sef Proiect	arh. Enescu Răzvan	
Proiectat	ing. Ionuț-Lucian Vițâ	
Desenat	ing. Ionuț-Lucian Vițâ	

BENEFICIAR: COMUNA MALU MARE, JUDEȚUL DOLJ	Nr. proiect: EVP338/2025
PROIECT: EXTINDERE INFRASTRUCTURI EDUCATIONALE PENTRU NIVELUL PREȘCOLAR ÎN COMUNA MALU MARE, SAT PREAJBA, JUDEȚUL DOLJ	Nr. plan: R-15-00
AMPLASAMENT: Comuna Malu Mare, Localitatea Preajba, str. Frasinului, nr.12, T10 P52, nr. cad. 44309, cod postal 207367, Jud. Dolj.	Data: Martie 2025
SCARA: As indicated	Titlu plansa: **Plan armare grinzi longitudinale etaj TRONSON 1**
	Faza: D.T.A.C.+P.T.
	Specialitate: STRUCTURA
	Desen nr. : EVP338/2025- D.T.A.C.+P.T.- R-15-00

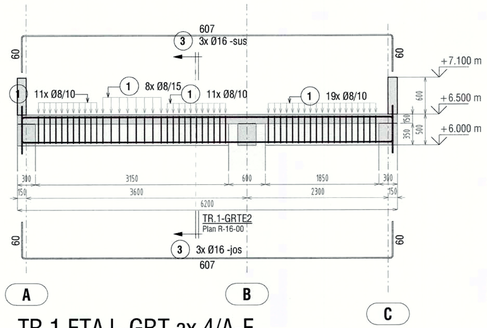
TR.1 ETAJ- GRT ax 1/A-C

Scara 1 : 50



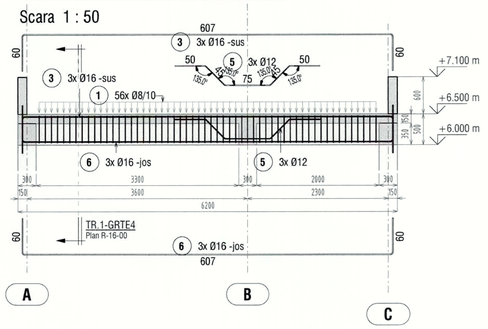
TR.1 ETAJ- GRT ax 2/A-C

Scara 1 : 50



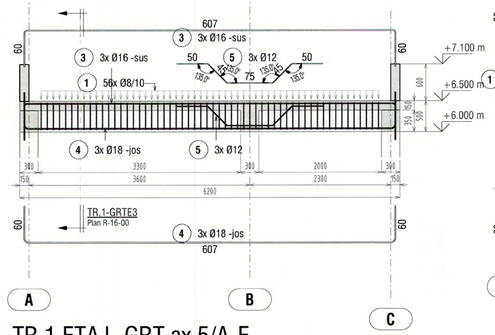
TR.1 ETAJ- GRT ax 3-4*/A-C

Scara 1 : 50



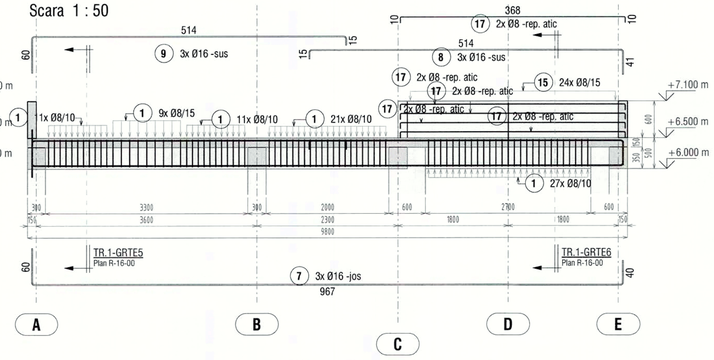
TR.1 ETAJ- GRT ax 3/A-C

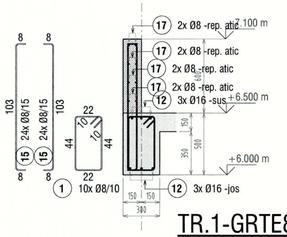
Scara 1 : 50



TR.1 ETAJ- GRT ax 4/A-E

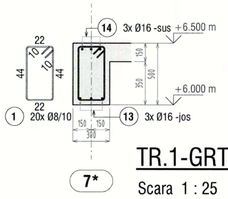
Scara 1 : 50





TR.1-GRTE8

Scara 1 : 25

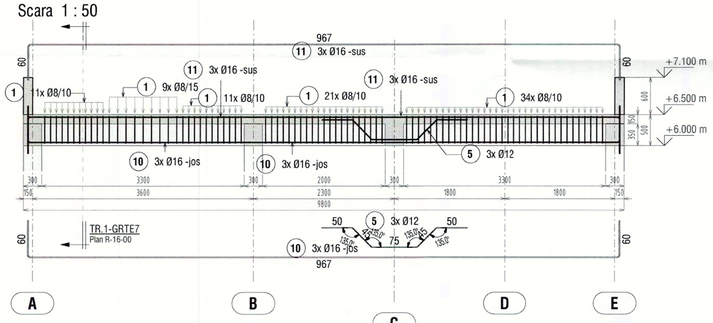


TR.1-GRTE9

Scara 1 : 25

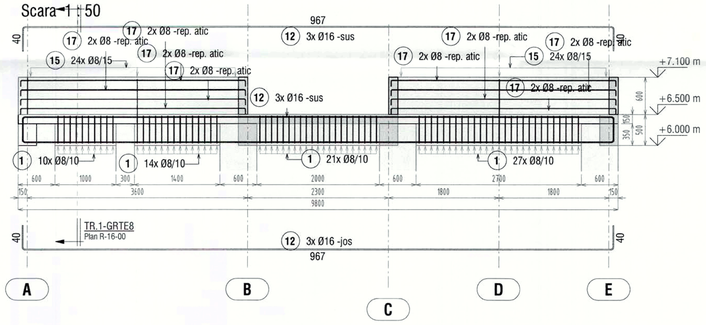
TR.1 ETAJ- GRT ax 5/A-E

Scara 1 : 50



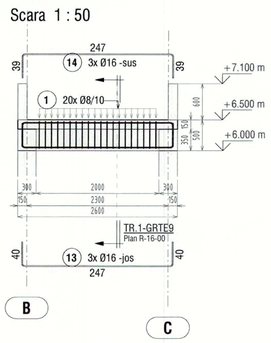
TR.1 ETAJ- GRT ax 6/A-E

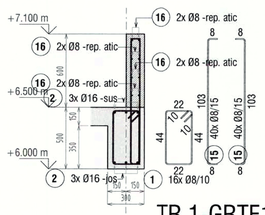
Scara 1 : 50



TR.1 ETAJ- GRT ax 7*/B-C

Scara 1 : 50

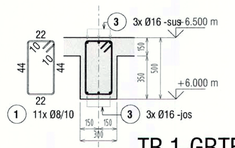




TR.1-GRTE1

1

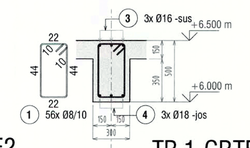
Scara 1 : 25



TR.1-GRTE2

2

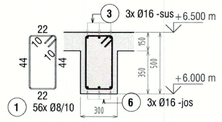
Scara 1 : 25



TR.1-GRTE3

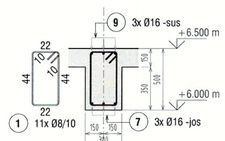
3

Scara 1 : 25



TR.1-GRTE4

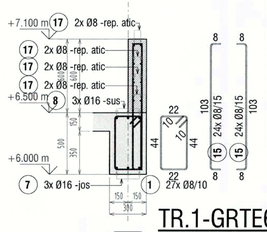
Scara 1 : 25



4

TR.1-GRTE5

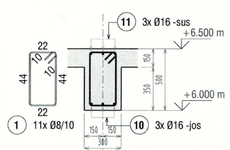
Scara 1 : 25



4

TR.1-GRTE6

Scara 1 : 25



5

TR.1-GRTE7

Scara 1 : 25

15. Extras armare GR-T etaj TR.1

Categorie	Marca	Diametru	Otel	Nr. bucati	Lungime bara	Lungime totala [m]	Greutate/ml	Greutate [kg]	Bending Detail
TR.1 - GRT-ETAJ	1	8 mm	BST500	457	1.470 m	671.9 m	0.394	265.0 kg	44 / 22 / 22 / 44
TR.1 - GRT-ETAJ	2	16 mm	BST500	6	6.800 m	40.8 m	1.578	64.4 kg	40 / 607 / 40
TR.1 - GRT-ETAJ	3	16 mm	BST500	12	7.200 m	86.4 m	1.578	136.3 kg	60 / 607 / 60
TR.1 - GRT-ETAJ	4	18 mm	BST500	3	7.170 m	21.5 m	1.997	42.9 kg	60 / 607 / 60
TR.1 - GRT-ETAJ	5	12 mm	BST500	9	2.625 m	23.6 m	0.887	21.0 kg	50 / 45 / 75 / 45 / 50
TR.1 - GRT-ETAJ	6	16 mm	BST500	3	7.198 m	21.6 m	1.578	34.1 kg	60 / 607 / 60
TR.1 - GRT-ETAJ	7	16 mm	BST500	3	10.599 m	31.8 m	1.578	50.2 kg	60 / 967 / 40
TR.1 - GRT-ETAJ	8	16 mm	BST500	3	5.633 m	16.9 m	1.578	26.7 kg	15 / 514 / 41
TR.1 - GRT-ETAJ	9	16 mm	BST500	3	5.825 m	17.5 m	1.578	27.6 kg	15 / 514 / 60
TR.1 - GRT-ETAJ	10	16 mm	BST500	3	10.799 m	32.4 m	1.578	51.1 kg	60 / 967 / 60
TR.1 - GRT-ETAJ	11	16 mm	BST500	3	10.800 m	32.4 m	1.578	51.1 kg	60 / 967 / 60
TR.1 - GRT-ETAJ	12	16 mm	BST500	6	10.400 m	62.4 m	1.578	98.4 kg	40 / 967 / 40
TR.1 - GRT-ETAJ	13	16 mm	BST500	3	3.200 m	9.6 m	1.578	15.1 kg	40 / 247 / 40
TR.1 - GRT-ETAJ	14	16 mm	BST500	3	3.184 m	9.6 m	1.578	15.1 kg	39 / 247 / 39
TR.1 - GRT-ETAJ	15	8 mm	BST500	224	1.157 m	259.1 m	0.394	102.2 kg	8 / 103 / 8
TR.1 - GRT-ETAJ	16	8 mm	BST500	8	6.297 m	50.4 m	0.394	19.9 kg	10 / 613 / 10
TR.1 - GRT-ETAJ	17	8 mm	BST500	24	3.847 m	92.3 m	0.394	36.4 kg	10 / 368 / 10
TOTAL				773		1480.2 m		1057.3 kg	

NOTE GENERALE:

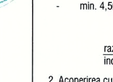
1. Conform normativului "P100-1/2013 - Cod de proiectare seismica - partea I - prevederi de proiectare pentru cladiri",
2. amplasamentul apartine zonei seismice pentru care valoarea de varf a acceleratiei terenului pentru proiectare are valoarea ag=**0,20g** pt. cutremure avand intervalul mediu de recurenta IMR= 225 ani si perioada de colt a spectrului de raspuns Tc=**1,00 sec**.
3. Clasa de importanta si de expunere la cutremur a constructiei (conform Normativului P100/1-2013) este III pentru care coeficientul **γ1= 1,0**.
4. Constructia are un caracter permanent si se inscrie, conform HGR 766/1997, Anexa nr. 4 si a Ordinului 31/N din 03.10.1995 al MLPTL publicat in B.C. nr. 4/1996 in categoria "C" de importanta.
5. Sub aspectul incarcarii date de zapada, conform „Cod de proiectare. Evaluarea actiunii zapezii asupra constructiilor Indicativ CR1-1-3/2012" amplasamentul este caracterizat de o valoare caracteristica a incarcarii din zapada la sol s0,k = **2,5** kN/m .
6. Sub aspectul incarcarii date de vânt, conform „Cod de proiectare. Evaluarea actiunii vantului asupra constructiilor - Indicativ CR1-1-4/2012" amplasamentul este caracterizat de o valoare de referinta a presiunii dinamice a vantului q/b=**0,4** kPa mediata pe 10 min avand o perioada de recurenta 50 de ani si cu probabilitate de depasire 2%;
7. Inceperea lucrarilor se va face numai dupa obtinerea autorizatiei de construire.
8. Neconvocarea proiectantului la fazele determinante din programul de control al calitatii executiei, avizat de ISC, pentru a se verifica conformitatea executiei cu detaliile din proiect, va conduce la degrevarea totala a partii de proiectare fata de responsabilitatea ce ar trebui asumata prin procesele verbale de receptie pe faze, procesele verbale preliminare si pentru receptia la terminarea lucrarilor.
9. Toate cotele sunt date in mm, cu exceptia cotelor de nivel care sunt date in m.
10. Se vor respecta normele de protectie a muncii si P.S.I. specifice lucrarilor.
11. Orice nepotrivire de date si cote va fi semnalata proiectantului, pentru analiza si solutionare.

MATERIALE:

1.	EGALIZARI FUNDATII	**C12/15** - clasa de exp. **X0** ,	cf. NE 012-1
2.	BETON ARMAT IN FUNDATII	**C25/30** - clasa de exp. **XC2**,	cf. NE 012-1
3.	BETON ARMAT IN PARDOSEALA	**C25/30** - clasa de exp. **XC2+XD2,**	cf. NE 012-1
4.	BETON ARMAT IN SUPRASTRUCTURA	**C25/30,** - clasa de exp. **XC4+XD2,**	cf. NE 012-1
5.	ARMATURA	**BST500,** categ. C de ductilitate,	cf.ST 009-2011
		SPPB plasa sudata profilata cf. SR 438	
6.	OTEL LAMINAT	**S355J0(H), S275JR(H)** cf. EN 10025, EN 10210/10219 (tevi)	
7.	ORGANE DE ASAMBLARE	**GR.10.9** cf.EN14399-4/6 (patrial filetate)	
8.	SURUBURI DE ANCORAJ	**Gr. 6.8 sau otel S355**	
9.	SURUBURI CU ANCORAJ CHIMIC	**GR.5.8 tip Hilti cu mortar HIT RE500**	

NOTE ARMATURI:

1. Raza de indoire a barelor se masoara pe exterior si este de:
   - min. 3Ø pentru bare cu Ø≤16mm;
   - min. 4,5Ø pentru bare cu Ø>16mm;



2. Acoperirea cu beton a armaturilor va fi de
   - 5.0 cm in fundatiile turnate in sapatura;
   - 3.5 cm in fundatiile turnate in cofraj; intrados placa pardoseala
   - 2.5 cm in stalpi, pereti, placa pardoseala;
   - 3.5 cm in grinzi;
   - 2.0 cm in placi, rampe, parapeti;
3. Cotele partiale ale armaturilor reprezinta dimensiunea la exterior a tablelor

PROIECTANT GENERAL: SVO CONSULTING S.R.L.

S.C. Evo Proiect S.R.L.
Str. sos. Giurgiului nr. 44, bl. C9, sc. C, ap 31, et. 4, oras Videle, jud. Teleorman.
Nr. Reg. Com.: J34/558/2016
C.U.I.: 24322887
Telefon : 0766.10.77.40
Email: office.evoproiect@gmail.com

Sef Proiect	arh. Enescu Răzvan	
Proiectat	ing. Ionuț-Lucian Vițâ	
Desenat	ing. Ionuț-Lucian Vițâ	

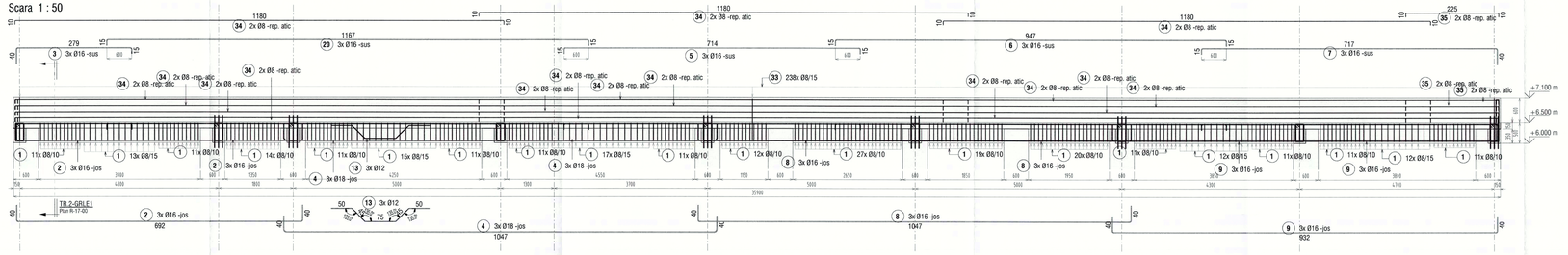
BENEFICIAR:	COMUNA MALU MARE, JUDEȚUL DOLJ	Nr. proiect: EVP338/2025
PROIECT:	DEZVOLTAREA INFRASTRUCTURII EDUCATIONALE PENTRU NIVELUL PREȘCOLAR ÎN COMUNA MALU MARE, SAT PREAJBA, JUDEȚUL DOLJ	Nr. plan: R-16-00
AMPLASAMENT:	Comuna Malu Mare, Localitatea Preajba, str. Frasinului, nr.12, T10 P52, nr. cad. 44309, cod poștal 207367, Jud. Dolj.	Data: Martie 2025
SCARA: As indicated	Titlu plansa: **Plan armare grinzi transversale etaj TRONSON 1**	Faza: D.T.A.C.+P.T.
	Desen nr. : EVP338/2025- D.T.A.C.+P.T.- R-16-00	Specialitate: STRUCTURA

16. Extras armare GR-L etaj TR.2

Categorie	Marca	Diametru	Otel	Nr. buc/ml	Lungime bara	Lungime totala [m]	Greutate/ml	Greutate [kg]	Bending Detail
TR.2 - GRL-ETAJ	1	8 mm	BST500	1017	1.470 m	1495.2 m	0.394	589.7 kg	44 / 22 / 44
TR.2 - GRL-ETAJ	2	16 mm	BST500	3	7.650 m	22.9 m	1.578	36.2 kg	40 / 692 / 40
TR.2 - GRL-ETAJ	3	16 mm	BST500	3	3.275 m	9.8 m	1.578	15.5 kg	40 / 279 / 15
TR.2 - GRL-ETAJ	4	18 mm	BST500	3	11.170 m	33.5 m	1.997	66.9 kg	40 / 1047 / 40
TR.2 - GRL-ETAJ	5	16 mm	BST500	3	7.375 m	22.1 m	1.578	34.9 kg	15 / 714 / 15
TR.2 - GRL-ETAJ	6	16 mm	BST500	3	9.700 m	29.1 m	1.578	45.9 kg	15 / 947 / 15
TR.2 - GRL-ETAJ	7	16 mm	BST500	3	7.650 m	22.9 m	1.578	36.2 kg	40 / 717 / 15
TR.2 - GRL-ETAJ	8	16 mm	BST500	6	11.200 m	67.2 m	1.578	106.0 kg	40 / 1047 / 40
TR.2 - GRL-ETAJ	9	16 mm	BST500	6	10.050 m	60.3 m	1.578	95.1 kg	40 / 932 / 40
TR.2 - GRL-ETAJ	10	16 mm	BST500	3	7.700 m	23.1 m	1.578	36.4 kg	60 / 677 / 60
TR.2 - GRL-ETAJ	11	16 mm	BST500	3	3.325 m	10.0 m	1.578	15.7 kg	60 / 264 / 15
TR.2 - GRL-ETAJ	12	16 mm	BST500	3	10.423 m	31.3 m	1.578	49.3 kg	60 / 974 / 15
TR.2 - GRL-ETAJ	13	12 mm	BST500	9	2.625 m	23.6 m	0.887	21.0 kg	50 / 45 / 75 / 45 / 50
TR.2 - GRL-ETAJ	14	16 mm	BST500	3	8.000 m	24.0 m	1.578	37.9 kg	60 / 707 / 60
TR.2 - GRL-ETAJ	15	18 mm	BST500	3	3.695 m	11.1 m	1.997	22.1 kg	60 / 304 / 15
TR.2 - GRL-ETAJ	16	16 mm	BST500	9	5.900 m	53.1 m	1.578	83.8 kg	40 / 517 / 40
TR.2 - GRL-ETAJ	17	16 mm	BST500	3	6.200 m	18.6 m	1.578	29.3 kg	40 / 547 / 40
TR.2 - GRL-ETAJ	18	16 mm	BST500	3	6.050 m	18.1 m	1.578	28.6 kg	40 / 532 / 40
TR.2 - GRL-ETAJ	19	16 mm	BST500	3	10.250 m	30.7 m	1.578	48.5 kg	60 / 932 / 60
TR.2 - GRL-ETAJ	20	16 mm	BST500	9	11.900 m	107.1 m	1.578	168.9 kg	15 / 1167 / 15
TR.2 - GRL-ETAJ	21	16 mm	BST500	3	11.925 m	35.8 m	1.578	56.4 kg	60 / 1124 / 15
TR.2 - GRL-ETAJ	22	16 mm	BST500	3	5.800 m	17.4 m	1.578	27.4 kg	40 / 487 / 60
TR.2 - GRL-ETAJ	23	16 mm	BST500	3	11.050 m	33.1 m	1.578	52.3 kg	40 / 1032 / 40
TR.2 - GRL-ETAJ	24	16 mm	BST500	3	3.525 m	10.6 m	1.578	16.7 kg	40 / 304 / 15
TR.2 - GRL-ETAJ	25	16 mm	BST500	3	5.625 m	16.9 m	1.578	26.6 kg	15 / 539 / 15
TR.2 - GRL-ETAJ	26	16 mm	BST500	3	6.950 m	20.8 m	1.578	32.9 kg	15 / 672 / 15
TR.2 - GRL-ETAJ	27	16 mm	BST500	3	9.550 m	28.6 m	1.578	45.2 kg	15 / 932 / 15
TR.2 - GRL-ETAJ	28	16 mm	BST500	3	7.650 m	22.9 m	1.578	36.2 kg	15 / 717 / 40
TR.2 - GRL-ETAJ	29	16 mm	BST500	3	8.250 m	24.7 m	1.578	39.0 kg	40 / 752 / 40
TR.2 - GRL-ETAJ	30	16 mm	BST500	3	4.123 m	12.4 m	1.578	19.5 kg	40 / 364 / 15
TR.2 - GRL-ETAJ	31	16 mm	BST500	3	11.123 m	33.4 m	1.578	52.6 kg	40 / 1064 / 15
TR.2 - GRL-ETAJ	32	16 mm	BST500	3	7.350 m	22.0 m	1.578	34.8 kg	40 / 662 / 40
TR.2 - GRL-ETAJ	33	8 mm	BST500	974	1.157 m	1126.8 m	0.394	444.4 kg	8 / 103 / 8
TR.2 - GRL-ETAJ	34	8 mm	BST500	48	11.967 m	574.4 m	0.394	226.5 kg	10 / 1180 / 10
TR.2 - GRL-ETAJ	35	8 mm	BST500	8	2.421 m	19.4 m	0.394	7.6 kg	10 / 225 / 10
TR.2 - GRL-ETAJ	36	16 mm	BST500	3	5.816 m	17.4 m	1.578	27.5 kg	41 / 487 / 60
TR.2 - GRL-ETAJ	37	8 mm	BST500	8	1.863 m	14.9 m	0.394	5.9 kg	10 / 170 / 10
TR.2 - GRL-ETAJ	38	8 mm	BST500	8	2.705 m	21.6 m	0.394	8.5 kg	10 / 254 / 10
TOTAL				2183		4167.2 m		2728.3 kg	

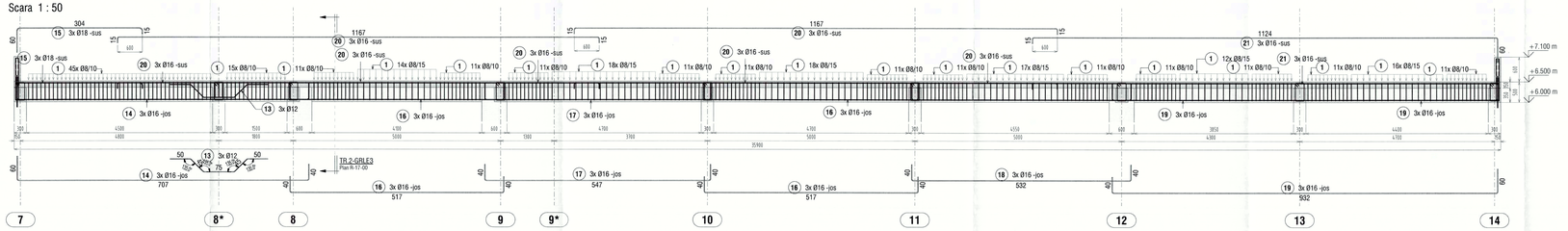
TR.2 ETAJ- GRL ax A/7-14

Scara 1 : 50



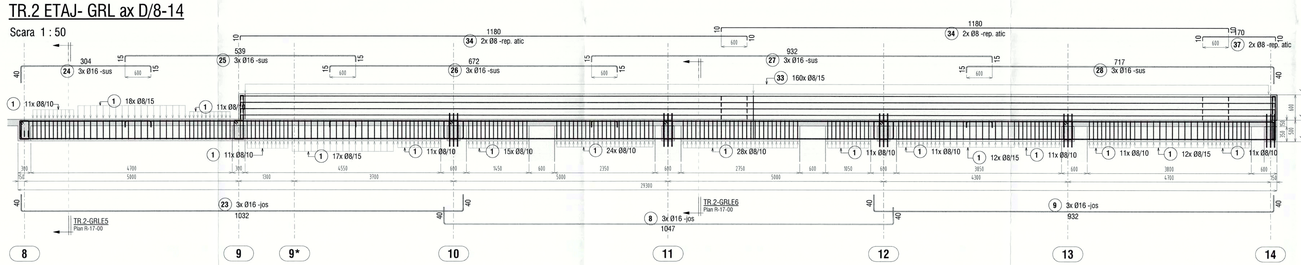
TR.2 ETAJ- GRL ax C/7-14

Scara 1 : 50



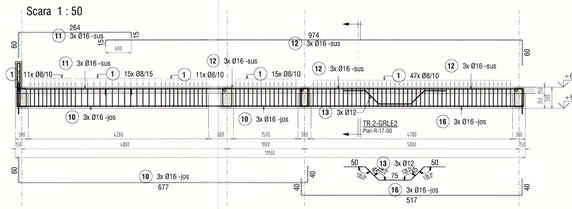
TR.2 ETAJ- GRL ax D/8-14

Scara 1 : 50



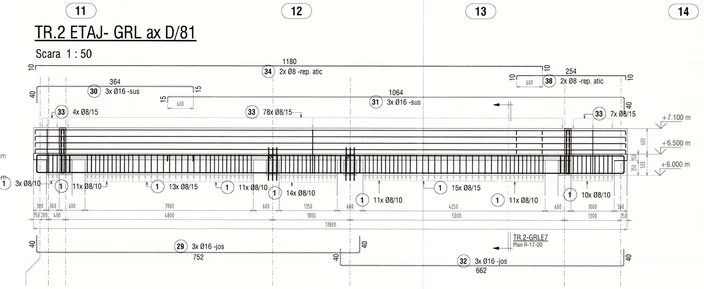
TR.2 ETAJ- GRL ax B/7-9

Scara 1 : 50



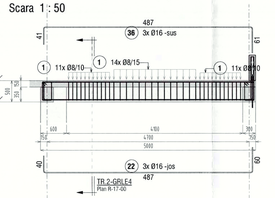
TR.2 ETAJ- GRL ax D/81

Scara 1 : 50



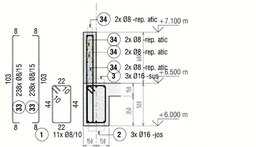
TR.2 ETAJ- GRL ax B/13-14

Scara 1 : 50



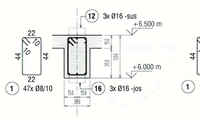
TR.2-GRLE1

Scara 1 : 25



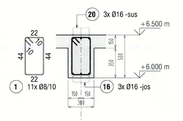
TR.2-GRLE2

Scara 1 : 25



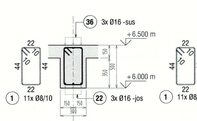
TR.2-GRLE3

Scara 1 : 25



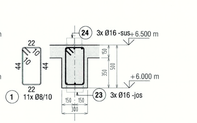
TR.2-GRLE4

Scara 1 : 25



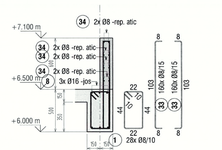
TR.2-GRLE5

Scara 1 : 25



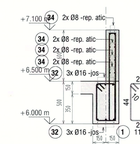
TR.2-GRLE6

Scara 1 : 25



TR.2-GRLE7

Scara 1 : 25



NOTE ARMATURI:

1. Raza de indoire a barelor se masoara pe exterior si este de:
   - min. 3ø pentru bare cu ø≤16mm;
   - min. 4,5ø pentru bare cu ø>16mm;

2. Acoperirea cu beton a armaturilor va fi de
   - 5.0 cm in fundatiile turnate in sapatura;
   - 3.5 cm in fundatiile turnate in cofraj; intrados placa pardoseala
   - 2.5 cm in stalpi, pereti, placa pardoseala;
   - 3.5 cm in grinzi;
   - 2.0 cm in placi, rampe, parapeti;
3. Rosturile partiale ale armaturilor reprezinta dimensiunea la exterior a betonului

MATERIALE:

1.	EGALIZARI FUNDATII	**C12/15** - clasa de exp. **X0** , cf. NE 012-1
2.	BETON ARMAT IN FUNDATII	**C25/30** - clasa de exp. **XC2**, cf. NE 012-1
3.	BETON ARMAT IN PARDOSEALA	**C25/30** - clasa de exp. **XC2 + XD2**, cf. NE 012-1
4.	BETON ARMAT IN SUPRASTRUCTURA	**C25/30,** - clasa de exp. **XC4 + XD2**, cf. NE 012-1
5.	ARMATURA	**BST500,** categ. C de ductilitate, cf. ST 009-2011
		SPP8 plasa sudata profilata cf. SR 438
6.	OTEL LAMINAT	**S355J0(H), S275J0(H)** cf. EN 10025, EN 10210/10219 (tvl)
7.	ORGANE DE ASAMBLARE	**GR.10.9** cf EN14399-4/6 (partial filetate)
8.	SURUBURI DE ANCORAJ	**Gr. 8.8 sau otel S355**
9.	SURUBURI CU ANCORAJ CHIMIC	**GR.5.8 tip Hilti cu mortar HIT RE500**

PROIECTANT GENERAL: SVO CONSULTING S.R.L.

S.C. Evo Proiect S.R.L.
Str. Jos. Giurgiului nr. 44, bl. C5, sc. C, et. 4, ap. 71, cam. 1, sector 4, Bucuresti
Nr. Reg. Com.: J40/558/2016
C.U.I.: 24322887
Telefon : 0766.10.77.40
Email: office.evoproiect@gmail.com

Sef Proiect	arh. Enescu Răzvan	
Proiectat	ing. Ionuț-Lucian Vițâ	
Desenat	ing. Ionuț-Lucian Vițâ	

BENEFICIAR: COMUNA MALU MARE, JUDETUL DOLJ
Nr. proiect: EVP338/2025

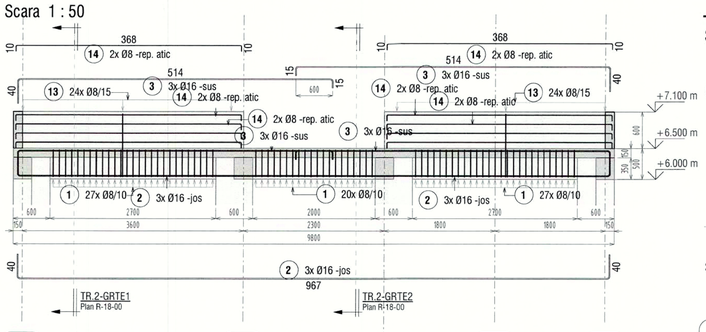
PROIECT: CONSTRUIRE INFRASTRUCTURA EDUCATIONALA PENTRU NUMEROL PRESCOLARI ÎN COMUNA MALU MARE, SAT PRUNDU, JUDEȚUL DOLJ
Nr. plan: R-17-00

AMPLASAMENT: Comuna Malu Mare, Localitatea Prisaina, str. Frasinului, nr.12, T10 P52, nr. cad. 44309, cod poștal 207367, Jud. Dolj.
Data: Martie 2025

SCARA: 1:25 as indicated
Faza: D.T.A.C.+P.T.
Titlu planșa: **Plan armare grinzi longitudinale etaj TRONSON 2**
Specialitate: STRUCTURA
Desen nr. : EVP338/2025- D.T.A.C.+P.T.- R-17-00

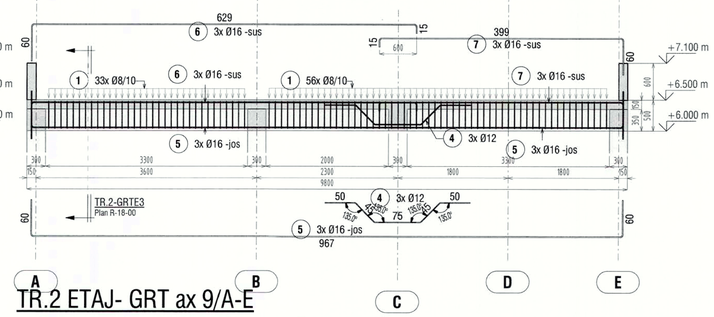
TR.2 ETAJ- GRT ax 7/A-E

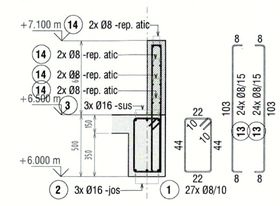
Scara 1 : 50



TR.2 ETAJ- GRT ax 8*/A-E

Scara 1 : 50





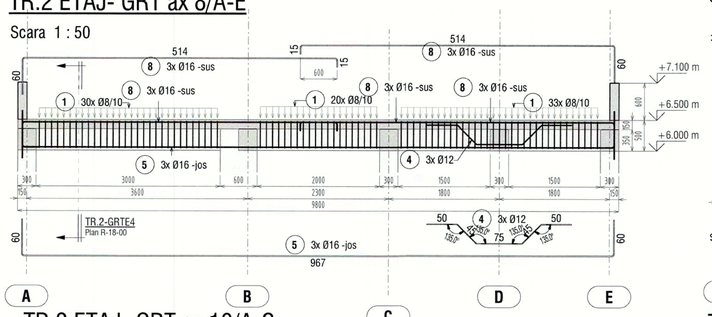
7

TR.2-GRTE1

Scara 1 : 25

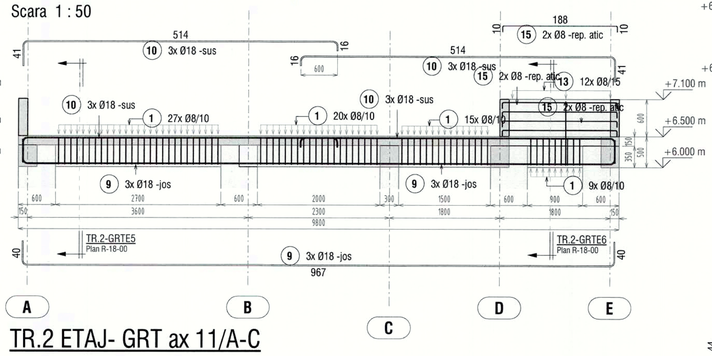
TR.2 ETAJ- GRT ax 8/A-E

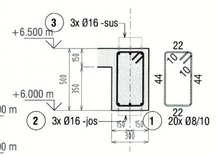
Scara 1 : 50



TR.2 ETAJ- GRT ax 9/A-E

Scara 1 : 50

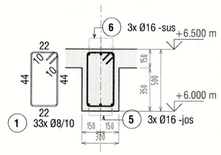




7

TR.2-GRTE2

Scara 1 : 25



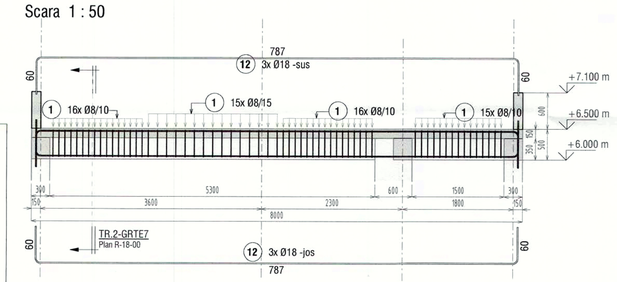
8*

TR.2-GRTE3

Scara 1 : 25

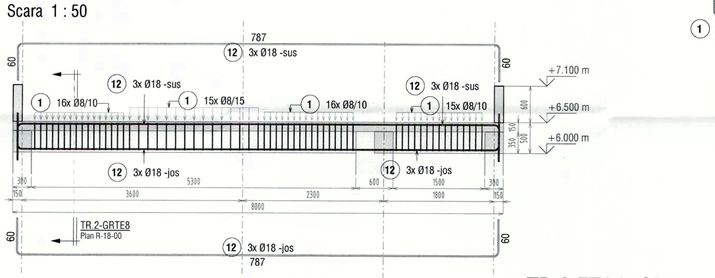
TR.2 ETAJ- GRT ax 10/A-C

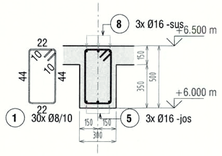
Scara 1 : 50



TR.2 ETAJ- GRT ax 11/A-C

Scara 1 : 50

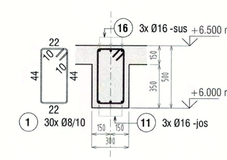




8

TR.2-GRTE4

Scara 1 : 25



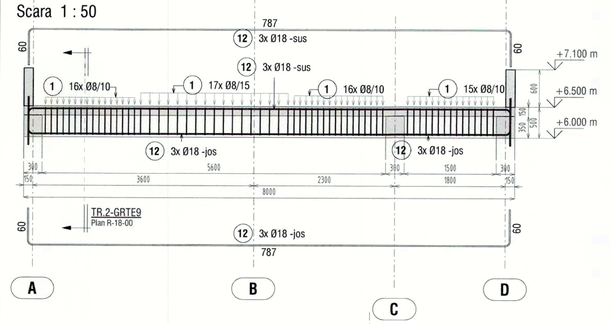
13

TR.2-GRTE10

Scara 1 : 25

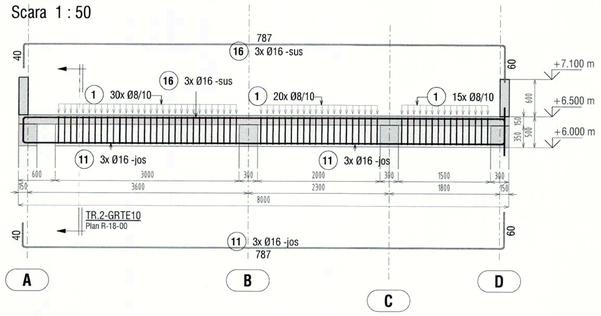
TR.2 ETAJ- GRT ax 12/A-C

Scara 1 : 50



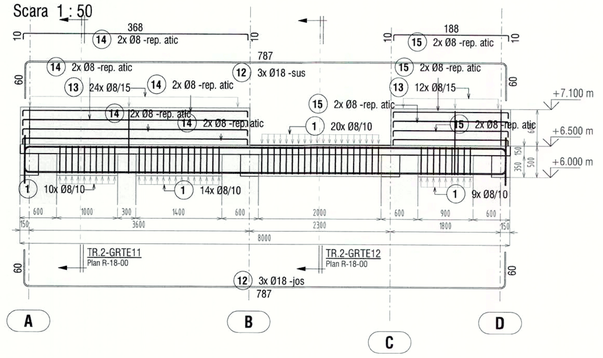
TR.2 ETAJ- GRT ax 13/A-C

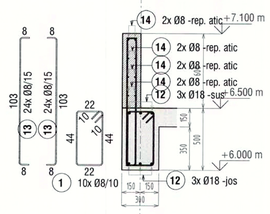
Scara 1 : 50



TR.2 ETAJ- GRT ax 14/A-C

Scara 1 : 50

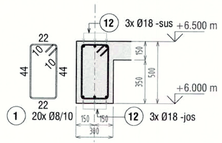




14

TR.2-GRTE11

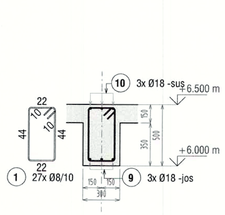
Scara 1 : 25



14

TR.2-GRTE12

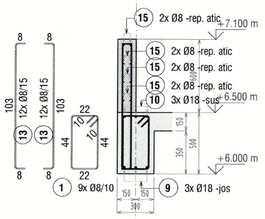
Scara 1 : 25



9

TR.2-GRTE5

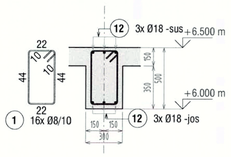
Scara 1 : 25



9

TR.2-GRTE6

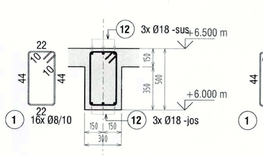
Scara 1 : 25



10

TR.2-GRTE7

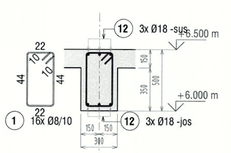
Scara 1 : 25



11

TR.2-GRTE8

Scara 1 : 25



12

TR.2-GRTE9

Scara 1 : 25

17. Extras armare GR-T etaj TR.2

Categorie	Marca	Diametru	Otel	Nr. bucati	Lungime bara	Lungime totala [m]	Greutate/ml	Greutate [kg]	Bending Detail
TR.2 - GRT-ETAJ	1	8 mm	BST500	623	1.470 m	916.0 m	0.394	361.2 kg	44 / 22 / 22 / 44
TR.2 - GRT-ETAJ	2	16 mm	BST500	3	10.400 m	31.2 m	1.578	49.2 kg	40 / 967 / 40
TR.2 - GRT-ETAJ	3	16 mm	BST500	6	5.625 m	33.7 m	1.578	53.2 kg	40 / 514 / 15
TR.2 - GRT-ETAJ	4	12 mm	BST500	6	2.625 m	15.7 m	0.887	14.0 kg	50 / 45 / 75 / 45 / 50
TR.2 - GRT-ETAJ	5	16 mm	BST500	6	10.800 m	64.8 m	1.578	102.2 kg	60 / 967 / 60
TR.2 - GRT-ETAJ	6	16 mm	BST500	3	6.975 m	20.9 m	1.578	33.0 kg	60 / 629 / 15
TR.2 - GRT-ETAJ	7	16 mm	BST500	3	4.675 m	14.0 m	1.578	22.1 kg	60 / 399 / 15
TR.2 - GRT-ETAJ	8	16 mm	BST500	6	5.825 m	34.9 m	1.578	55.1 kg	60 / 514 / 15
TR.2 - GRT-ETAJ	9	18 mm	BST500	3	10.370 m	31.1 m	1.997	62.1 kg	40 / 967 / 40
TR.2 - GRT-ETAJ	10	18 mm	BST500	6	5.613 m	33.7 m	1.997	67.2 kg	41 / 514 / 16
TR.2 - GRT-ETAJ	11	16 mm	BST500	3	8.800 m	26.4 m	1.578	41.6 kg	40 / 787 / 60
TR.2 - GRT-ETAJ	12	18 mm	BST500	24	8.970 m	215.3 m	1.997	429.8 kg	60 / 787 / 60
TR.2 - GRT-ETAJ	13	8 mm	BST500	192	1.157 m	222.1 m	0.394	87.6 kg	8 / 103 / 8
TR.2 - GRT-ETAJ	14	8 mm	BST500	24	3.847 m	92.3 m	0.394	36.4 kg	10 / 368 / 10
TR.2 - GRT-ETAJ	15	8 mm	BST500	16	2.047 m	32.7 m	0.394	12.9 kg	10 / 188 / 10
TR.2 - GRT-ETAJ	16	16 mm	BST500	3	8.799 m	26.4 m	1.578	41.6 kg	40 / 787 / 60
TOTAL				927		1811.4 m		1469.6 kg	

NOTE ARMATURI:

1. Raza de indoire a barelor se masoara pe exterior si este de:
   - min. 3Ø pentru bare cu Ø≤16mm;
   - min. 4,5Ø pentru bare cu Ø>16mm;

2. Acoperirea cu beton a armaturilor va fi de
   - 5.0 cm in fundatiile turnate in sapatura;
   - 3.5 cm in fundatiile turnate in cofraj; intrados placa pardoseala
   - 2.5 cm in stalpi, pereti, placa pardoseala;
   - 3.5 cm in grinzi;
   - 2.0 cm in placi, rampe, parapeti;
3. Cotele partiale ale armaturilor reprezinta dimensiunea la exterior a acestora

MATERIALE:

1.	EGALIZARI FUNDATII	**C12/15** - clasa de exp. **X0** ,	cf. NE 012-1
2.	BETON ARMAT IN FUNDATII	**C25/30** - clasa de exp. **XC2**,	cf. NE 012-1
3.	BETON ARMAT IN PARDOSEALA	**C25/30** - clasa de exp. **XC2+XD2,**	cf. NE 012-1
4.	BETON ARMAT IN SUPRASTRUCTURA	**C25/30,** - clasa de exp. **XC4+XD2,**	cf. NE 012-1
5.	ARMATURA	**BST500,** categ. C de ductilitate, cf.ST 009-2011	
		SPP8 plasa sudata profilata cf. SR 438	
6.	OTEL LAMINAT	**S355J0(H), S275JR(H)** cf. EN 10025, EN 10210/10219 (tevi)	
7.	ORGANE DE ASAMBLARE	**GR.10.9** cf.EN14399-4/6 (partial filetate)	
8.	SURUBURI DE ANCORAJ	**Gr. 6.8 sau otel S355**	
9.	SURUBURI CU ANCORAJ CHIMIC	**GR.5.8 tip Hilti cu mortar HIT RE500**	

PROIECTANT GENERAL: SVO CONSULTING S.R.L.

S.C. EVO PROIECT S.R.L.
Str. sos. Giurgiului nr. 44, bl. C9, sc. C, ap 31, et. 4, oras Videle, jud. Teleorman.
Nr. Reg. Com.: J34/558/2016
C.U.I.: 24322887
Telefon : 0766.10.77.40
Email: office.evoproiect@gmail.com

Sef Proiect	arh. Enescu Răzvan	
Proiectat	ing. Ionuț-Lucian Vlță	
Desenat	ing. Ionuț-Lucian Vlță	

BENEFICIAR: COMUNA MALU MARE, JUDEȚUL DOLJ — Nr. proiect: EVP338/2025

PROIECT: DEZVOLTAREA INFRASTRUCTURII EDUCATIONALE PENTRU NIVELUL PRESCOLAR ÎN COMUNA MALU MARE, SAT PREAJBA, JUDEȚUL DOLJ — Nr. plan: R-18-00

AMPLASAMENT: Comuna Malu Mare, Localitatea Preajba, str. Frasinului, nr.12, T10 P52, nr. cad. 44309, cod postal 207367, Jud. Dolj. — Data: Martie 2025

SCARA: As indicated

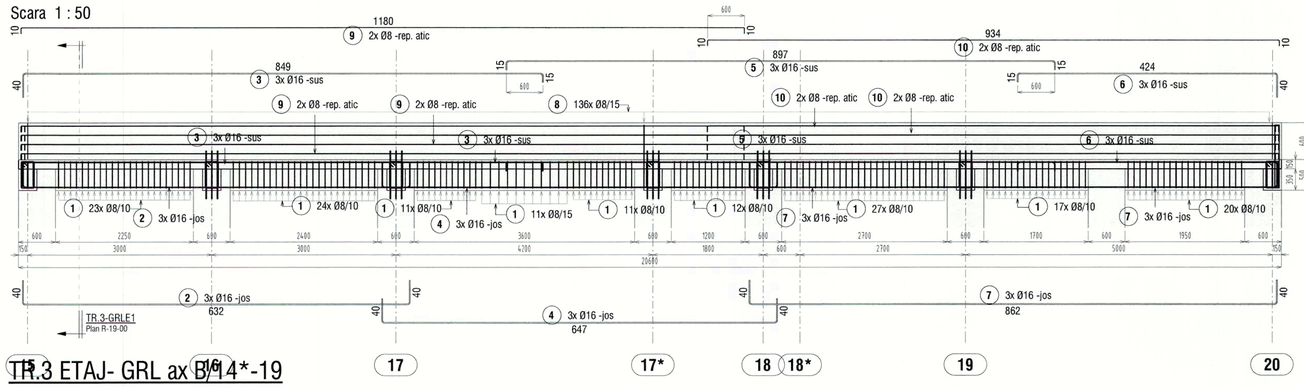
Titlu plansa: **Plan armare grinzi transversale etaj TRONSON 2** — Faza: D.T.A.C.+P.T.

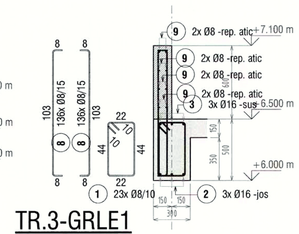
Specialitate: STRUCTURA

Desen nr. : EVP338/2025- D.T.A.C.+P.T.- R-18-00

TR.3 ETAJ- GRL ax A/15-20

Scara 1 : 50





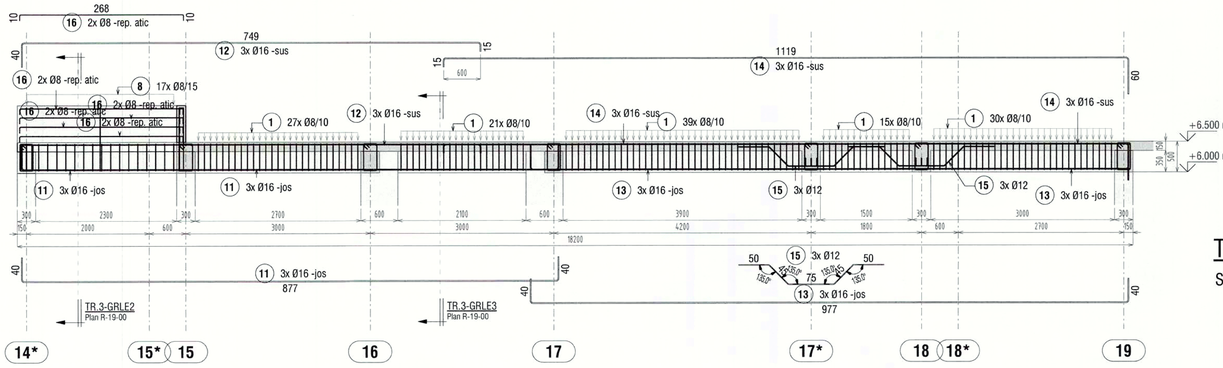
TR.3-GRLE1

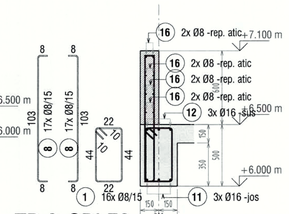
Scara 1 : 25

A

TR.3 ETAJ- GRL ax B/14*-19

Scara 1 : 50

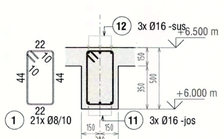




TR.3-GRLE2

Scara 1 : 25

B



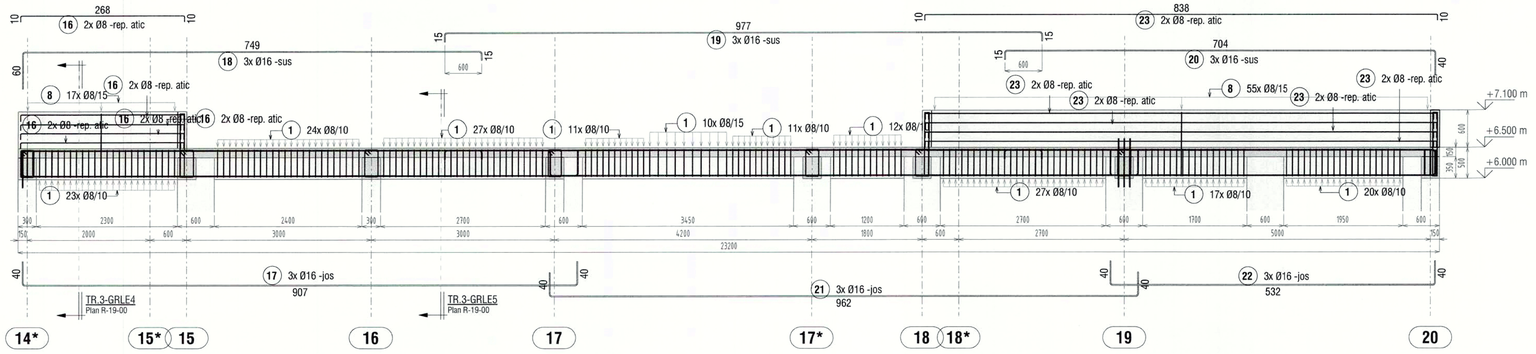
TR.3-GRLE3

Scara 1 : 25

B

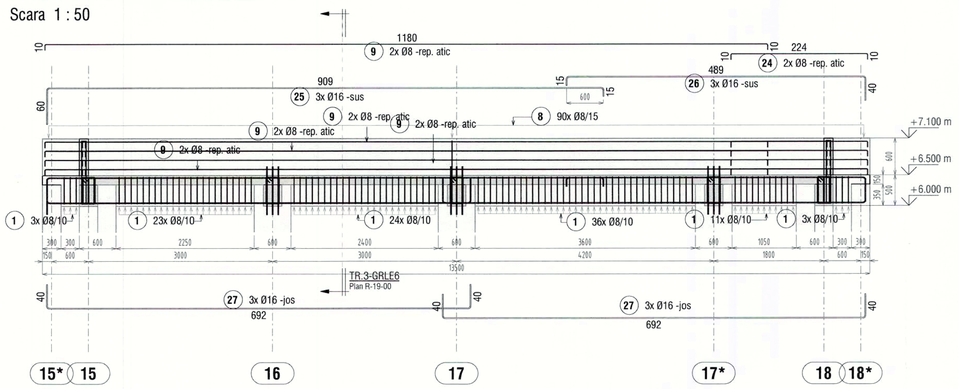
TR.3 ETAJ- GRL ax C/14*-20

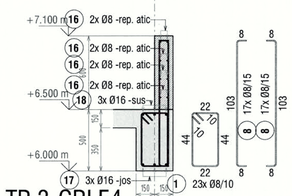
Scara 1 : 50



TR.3 ETAJ- GRL ax D/15*-18*

Scara 1 : 50

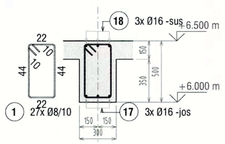




TR.3-GRLE4

Scara 1 : 25

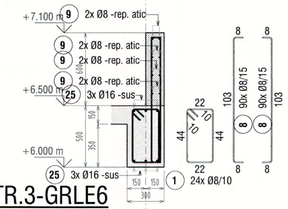
C



TR.3-GRLE5

Scara 1 : 25

C



TR.3-GRLE6

Scara 1 : 25

E

18. Extras armare GR-L etaj TR.3

Categorie	Marca	Diametru	Otel	Nr. bucati	Lungime bara	Lungime totala [m]	Greutate/ml	Greutate [kg]	Bending Detail
TR.3 - GRL-ETAJ	1	8 mm	BST500	586	1.470 m	861.6 m	0.394	339.8 kg	44
TR.3 - GRL-ETAJ	2	16 mm	BST500	3	7.050 m	21.1 m	1.578	33.4 kg	632
TR.3 - GRL-ETAJ	3	16 mm	BST500	3	8.975 m	26.9 m	1.578	42.5 kg	849
TR.3 - GRL-ETAJ	4	16 mm	BST500	3	7.200 m	21.6 m	1.578	34.1 kg	647
TR.3 - GRL-ETAJ	5	16 mm	BST500	3	9.200 m	27.6 m	1.578	43.5 kg	897
TR.3 - GRL-ETAJ	6	16 mm	BST500	3	4.725 m	14.2 m	1.578	22.4 kg	424
TR.3 - GRL-ETAJ	7	16 mm	BST500	3	9.350 m	28.0 m	1.578	44.2 kg	862
TR.3 - GRL-ETAJ	8	8 mm	BST500	630	1.157 m	728.8 m	0.394	287.4 kg	103
TR.3 - GRL-ETAJ	9	8 mm	BST500	16	11.967 m	191.5 m	0.394	75.5 kg	1180
TR.3 - GRL-ETAJ	10	8 mm	BST500	8	9.505 m	76.0 m	0.394	30.0 kg	934
TR.3 - GRL-ETAJ	11	16 mm	BST500	3	9.500 m	28.5 m	1.578	45.0 kg	877
TR.3 - GRL-ETAJ	12	16 mm	BST500	3	7.975 m	23.9 m	1.578	37.7 kg	749
TR.3 - GRL-ETAJ	13	16 mm	BST500	3	10.500 m	31.5 m	1.578	49.7 kg	977
TR.3 - GRL-ETAJ	14	16 mm	BST500	3	11.875 m	35.6 m	1.578	56.2 kg	1119
TR.3 - GRL-ETAJ	15	12 mm	BST500	6	2.625 m	15.7 m	0.887	14.0 kg	75
TR.3 - GRL-ETAJ	16	8 mm	BST500	16	2.847 m	45.5 m	0.394	18.0 kg	268
TR.3 - GRL-ETAJ	17	16 mm	BST500	3	9.800 m	29.4 m	1.578	46.4 kg	907
TR.3 - GRL-ETAJ	18	16 mm	BST500	3	8.175 m	24.5 m	1.578	38.7 kg	749
TR.3 - GRL-ETAJ	19	16 mm	BST500	3	10.000 m	30.0 m	1.578	47.3 kg	977
TR.3 - GRL-ETAJ	20	16 mm	BST500	3	7.525 m	22.6 m	1.578	35.6 kg	704
TR.3 - GRL-ETAJ	21	16 mm	BST500	3	10.350 m	31.0 m	1.578	49.0 kg	962
TR.3 - GRL-ETAJ	22	16 mm	BST500	3	6.050 m	18.1 m	1.578	28.6 kg	532
TR.3 - GRL-ETAJ	23	8 mm	BST500	8	8.547 m	68.4 m	0.394	27.0 kg	838
TR.3 - GRL-ETAJ	24	8 mm	BST500	8	2.403 m	19.2 m	0.394	7.6 kg	224
TR.3 - GRL-ETAJ	25	16 mm	BST500	3	9.775 m	29.3 m	1.578	46.3 kg	909
TR.3 - GRL-ETAJ	26	16 mm	BST500	3	5.375 m	16.1 m	1.578	25.4 kg	489
TR.3 - GRL-ETAJ	27	16 mm	BST500	6	7.650 m	45.9 m	1.578	72.4 kg	692
TOTAL				1338		2512.9 m		1597.6 kg	

NOTE ARMATURI:

1. Raza de indoire a barelor se masoara pe exterior si este de:
   - min. 3Ø pentru bare cu Ø≤16mm;
   - min. 4,5Ø pentru bare cu Ø>16mm;

2. Acoperirea cu beton a armaturilor va fi de
   - 5.0 cm in fundatiile turnate in sapatura;
   - 3.5 cm in fundatiile turnate in cofraj; intrados placa pardoseala
   - 2.5 cm in stalpi, pereti, placa pardoseala;
   - 3.5 cm in grinzi;
   - 2.0 cm in placi, rampe, parapeti;
3. Cotele partiale ale armaturilor reprezinta dimensiunea la exterior a acestora

MATERIALE:

1.	EGALIZARI FUNDATII	**C12/15** - clasa de exp. **X0** ,	cf. NE 012-1
2.	BETON ARMAT IN FUNDATII	**C25/30** - clasa de exp. **XC2**,	cf. NE 012-1
3.	BETON ARMAT IN PARDOSEALA	**C25/30** - clasa de exp. **XC2+XD2**,	cf. NE 012-1
4.	BETON ARMAT IN SUPRASTRUCTURA	**C25/30**, - clasa de exp. **XC4+XD2**,	cf. NE 012-1
5.	ARMATURA	**BST500**, categ. C de ductilitate,	cf.ST 009-2011
		SPPB plasa sudata profilata cf. SR 438	
6.	OTEL LAMINAT	**S355J0(H), S275JR(H)** cf. EN 10025, EN 10210/10219 (tevi)	
7.	ORGANE DE ASAMBLARE	**GR.10.9** cf.EN14399-4/6 (partial filetate)	
8.	SURUBURI DE ANCORAJ	**Gr. 6.8 sau otel S355**	
9.	SURUBURI CU ANCORAJ CHIMIC	**GR.5.8 tip Hilti cu mortar HIT RE500**	

PROIECTANT GENERAL: SVO CONSULTING S.R.L.

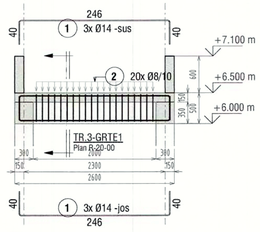
S.C. EVO PROIECT S.R.L.
Str. sos. Giurgiului nr. 44, bl. C3, sc. C, ap. 34, et. 4, oras Videle, jud. Teleorman.
Nr. Reg. Com.: J34/558/2016
C.U.I.: 24322887
Telefon.: 0766.10.77.40
Email: office.evoproiect@gmail.com

Sef Proiect	arh. Enescu Răzvan	
Proiectat	ing. Ionuț-Lucian Vițâ	
Desenat	ing. Ionuț-Lucian Vițâ	

BENEFICIAR: COMUNA MALU MARE, JUDEȚUL DOLJ		Nr. proiect:	EVP338/2025
PROIECT: DEZVOLTAREA INFRASTRUCTURII EDUCAȚIONALE PENTRU NIVELUL PREȘCOLAR ÎN COMUNA MALU MARE, SAT PREAJBA, JUDEȚUL DOLJ		Nr. plan:	R-19-00
AMPLASAMENT: Comuna Malu Mare, Localitatea Preajba, str. Frasinului, nr.12, T10 P52, nr. cad. 44309, cod poștal 207367, Jud. Dolj.		Data:	Martie 2025
SCARA: As indicated	Titlu plansa: **Plan armare grinzi longitudinale etaj TRONSON 3**	Faza:	D.T.A.C. +P.T.
	Desen nr. : EVP338/2025- D.T.A.C. +P.T.- R-19-00	Specialitate:	STRUCTURA

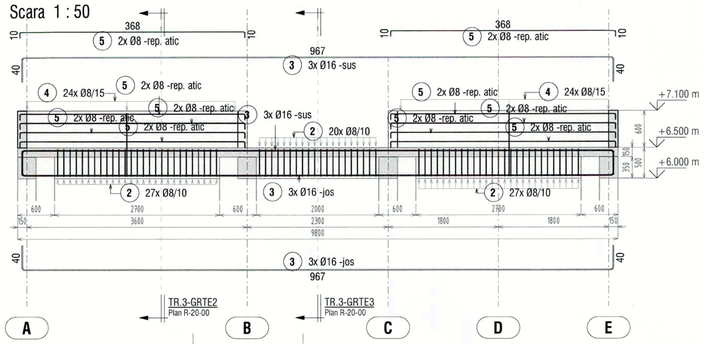
TR.3 ETAJ- GRT ax 14*/B-C

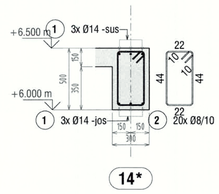
Scara 1 : 50

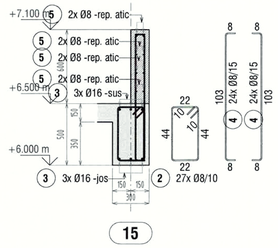


TR.3 ETAJ- GRT ax 15/A-E

Scara 1 : 50







TR.3-GRTE1

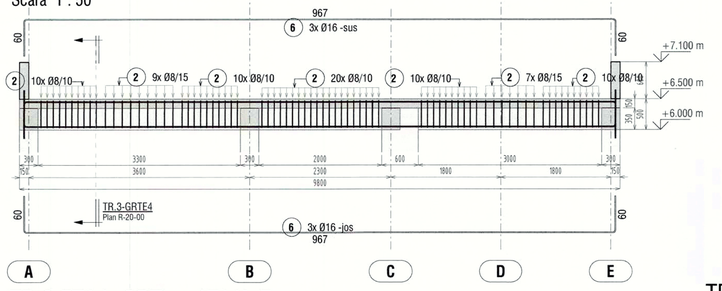
Scara 1 : 25

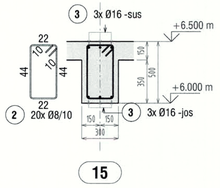
TR.3-GRTE2

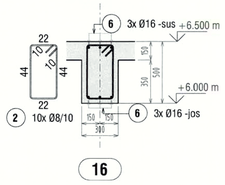
Scara 1 : 25

TR.3 ETAJ- GRT ax 16/A-E

Scara 1 : 50







TR.3-GRTE3

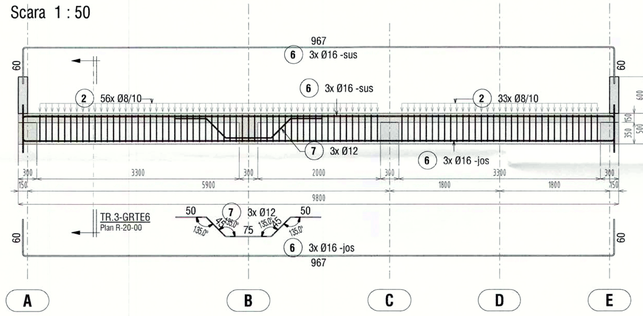
Scara 1 : 25

TR.3-GRTE4

Scara 1 : 25

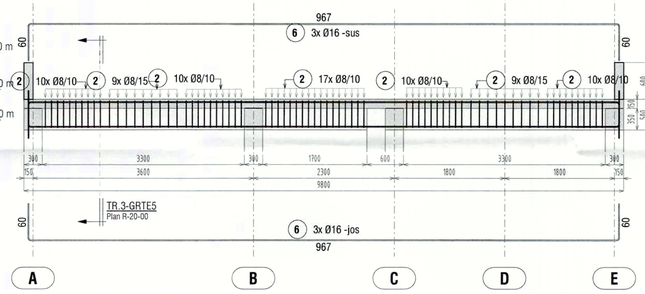
TR.3 ETAJ- GRT ax 17*/A-E

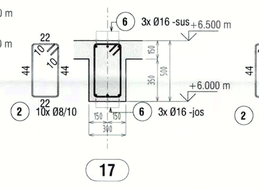
Scara 1 : 50

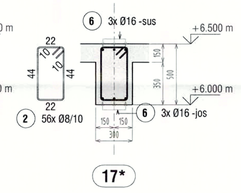


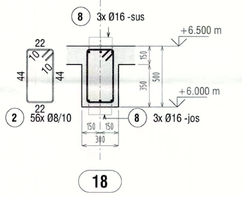
TR.3 ETAJ- GRT ax 17/A-E

Scara 1 : 50









TR.3-GRTE5

Scara 1 : 25

TR.3-GRTE6

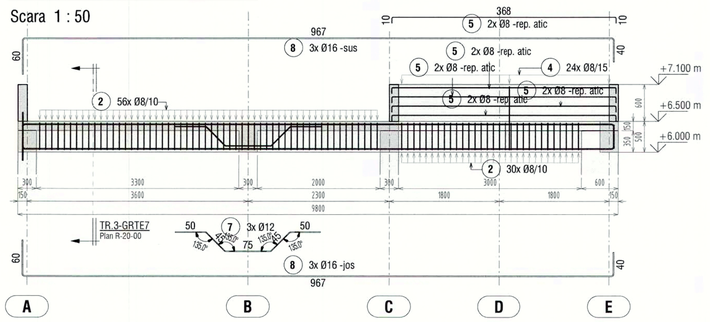
Scara 1 : 25

TR.3-GRTE7

Scara 1 : 25

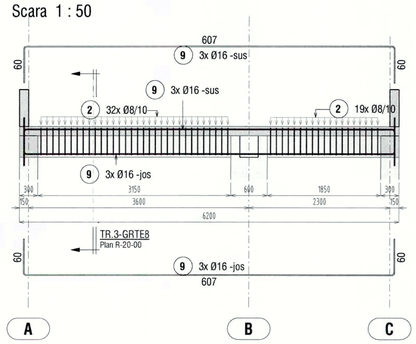
TR.3 ETAJ- GRT ax 18/A-E

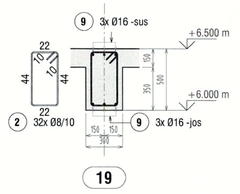
Scara 1 : 50

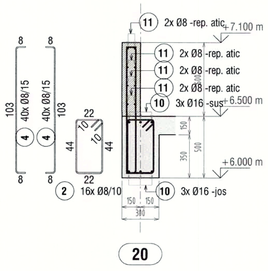


TR.3 ETAJ- GRT ax 19/A-C

Scara 1 : 50







TR.3-GRTE8

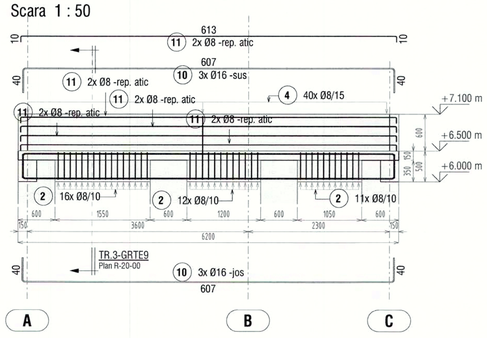
Scara 1 : 25

TR.3-GRTE9

Scara 1 : 25

TR.3 ETAJ- GRT ax 20/A-C

Scara 1 : 50

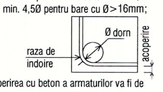


19. Extras armare GR-T etaj TR.3

Categorie	Marca	Diametru	Otel	Nr. bucati	Lungime bara	Lungime totala [m]	Greutate/ml	Greutate [kg]	Bending Detail
TR.3 - GRT-ETAJ	1	14 mm	BST500	6	3.206 m	19.2 m	1.208	23.2 kg	40 / 246 / 40
TR.3 - GRT-ETAJ	2	8 mm	BST500	510	1.470 m	749.8 m	0.394	295.7 kg	22 / 44 / 22 / 44
TR.3 - GRT-ETAJ	3	16 mm	BST500	6	10.400 m	62.4 m	1.578	98.4 kg	40 / 967 / 40
TR.3 - GRT-ETAJ	4	8 mm	BST500	224	1.157 m	259.1 m	0.394	102.2 kg	8 / 103 / 8
TR.3 - GRT-ETAJ	5	8 mm	BST500	24	3.847 m	92.3 m	0.394	36.4 kg	10 / 368 / 10
TR.3 - GRT-ETAJ	6	16 mm	BST500	18	10.800 m	194.4 m	1.578	306.7 kg	60 / 967 / 60
TR.3 - GRT-ETAJ	7	12 mm	BST500	6	2.625 m	15.7 m	0.887	14.0 kg	50 / 45 / 75 / 45 / 50
TR.3 - GRT-ETAJ	8	16 mm	BST500	6	10.600 m	63.6 m	1.578	100.3 kg	60 / 967 / 40
TR.3 - GRT-ETAJ	9	16 mm	BST500	6	7.200 m	43.2 m	1.578	68.1 kg	60 / 607 / 60
TR.3 - GRT-ETAJ	10	16 mm	BST500	6	6.800 m	40.8 m	1.578	64.4 kg	40 / 607 / 40
TR.3 - GRT-ETAJ	11	8 mm	BST500	8	6.297 m	50.4 m	0.394	19.9 kg	10 / 613 / 10
TOTAL				820		1591.0 m		1129.3 kg	

NOTE ARMATURI:

1. Raza de indoire a barelor se masoara pe exterior si este de:
   - min. 3Ø pentru bare cu Ø≤16mm;
   - min. 4,5Ø pentru bare cu Ø>16mm;



2. Acoperirea cu beton a armaturilor va fi de
   - 5.0 cm in fundatiile turnate in sapatura;
   - 3.5 cm in fundatiile turnate in cofraj; intrados placa pardoseala
   - 2.5 cm in stalpi, pereti, placa pardoseala;
   - 3.5 cm in grinzi;
   - 2.0 cm in placi, rampe, parapeti;
3. Cotele partiale ale armaturilor reprezinta dimensiunea la exterior a obiectului

MATERIALE:

1.	EGALIZARI FUNDATII	**C12/15** - clasa de exp. **X0** ,	cf. NE 012-1
2.	BETON ARMAT IN FUNDATII	**C25/30** - clasa de exp. **XC2**,	cf. NE 012-1
3.	BETON ARMAT IN PARDOSEALA	**C25/30** - clasa de exp. **XC2 + XD2,**	cf. NE 012-1
4.	BETON ARMAT IN SUPRASTRUCTURA	**C25/30,** - clasa de exp. **XC4 + XD2,**	cf. NE 012-1
5.	ARMATURA	**BST500,** categ. C de ductilitate, cf.ST 009-2011	
		SPPB plasa sudata profilata cf. SR 438	
6.	OTEL LAMINAT	**S355J0(H), S275JR(H)** cf. EN 10025, EN 10210/10219 (tevi)	
7.	ORGANE DE ASAMBLARE	**GR.10.9** cf.EN14399-4/6 (partial filetate)	
8.	SURUBURI DE ANCORAJ	**Gr. 6.8 sau otel S355**	
9.	SURUBURI CU ANCORAJ CHIMIC	**GR.5.8 tip Hilti cu mortar HIT RE500**	

PROIECTANT GENERAL: SVO CONSULTING S.R.L.

S.C. Evo Proiect S.R.L.
Str. sos. Giurgiului nr. 44, bl. C9, sc. C, ap 31, et. 4, oras Videle, jud. Teleorman.
Nr. Reg. Com.: J34/558/2016
C.U.I.: 24322887
Telefon : 0766.10.77.40
Email: office.evoproiect@gmail.com

Sef Proiect	arh. Enescu Răzvan	
Proiectat	ing. Ionuț-Lucian Vițâ	
Desenat	ing. Ionuț-Lucian Vițâ	

BENEFICIAR: COMUNA MALU MARE, JUDEȚUL DOLJ — Nr. proiect: EVP338/2025

PROIECT: DEZVOLTAREA INFRASTRUCTURII EDUCATIONALE PENTRU NIVELUL PREȘCOLAR ÎN COMUNA MALU MARE, SAT PREAJBA, JUDEȚUL DOLJ — Nr. plan: R-20-00

AMPLASAMENT: Comuna Malu Mare, Localitatea Preajba, str. Frasinului, nr.12, T10 P52, nr. cad. 44309, cod poștal 207367, Jud. Dolj. — Data: Martie 2025

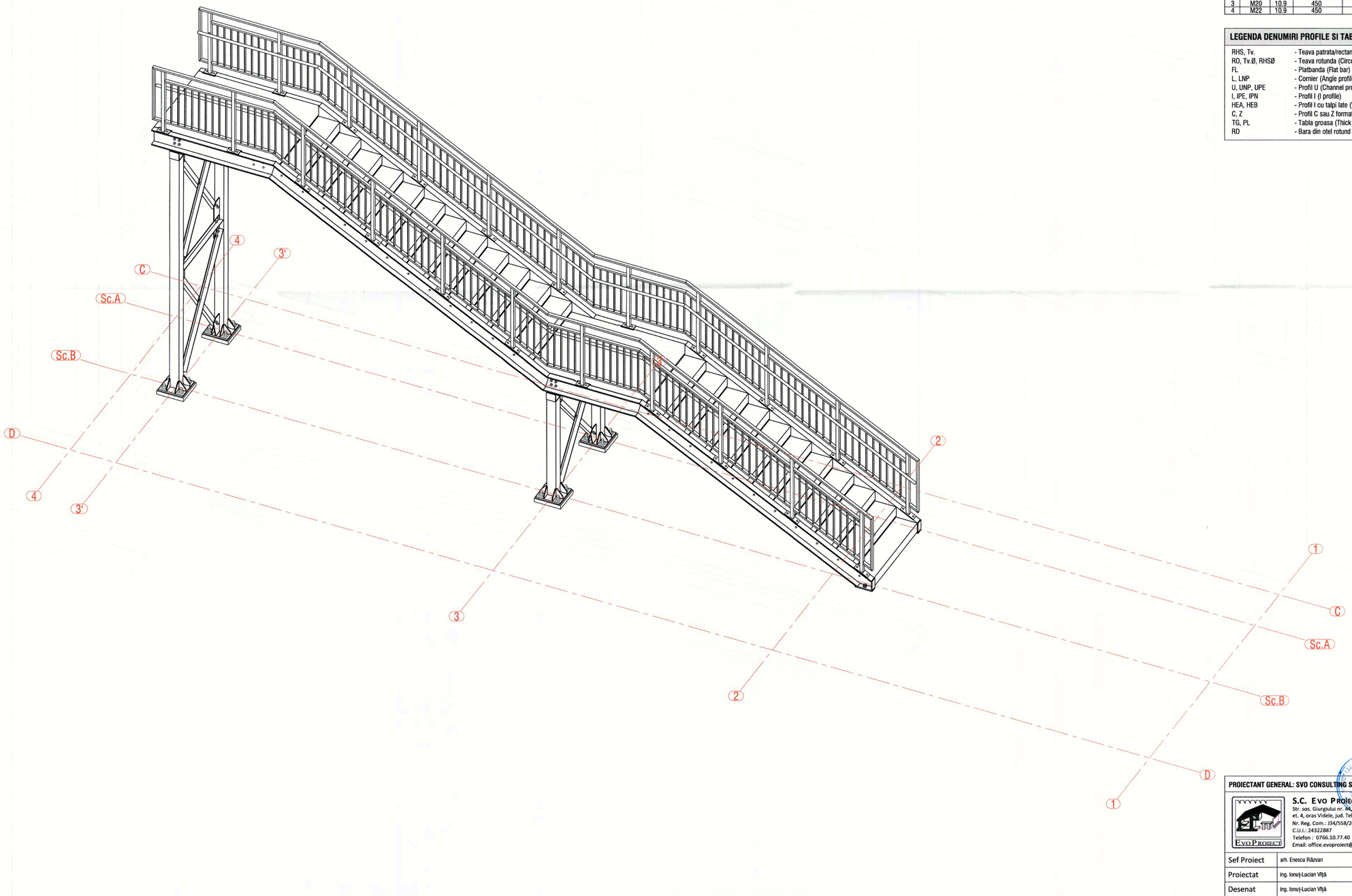
SCARA: As indicated

Titlu plansa: **Plan armare grinzi transversale etaj TRONSON 3** — Faza: D.T.A.C. +P.T.

Specialitate: STRUCTURA

Desen nr. : EVP338/2025- D.T.A.C. +P.T.- R-20-00

AXONOMETRIE



NOTE CONFECTIE METALICA

1. Conditiile tehnice de calitate vor respecta prevederile SR EN 1090-2: Executarea structurilor din otel si aluminiu. Partea 2: Cerinte tehnice pentru structuri de otel. Clasa de executie a structurii metalice este **EXC 2**
2. Tolerante la executia in uzina a elementelor cu dimensiuni:
   < 5.00m - 0.50mm / > 5.00m - 1.00mm
3. Nivelul de acceptare pentru imbinarile sudate este "B" pentru cordoanele de sudura in adancime si "C" pentru cordoanele de sudura in relief, in conformitate cu normativul C150-1999.
4. Daca nu se specifica altfel in desen sudurile se vor executa in relief cu grosimea egala cu $0.7x t_{min}$, unde t_{min} reprezinta grosimea minima a elementelor care se sudeaza, pe toata lungimea de contact a acestora.
5. Placile de capat se vor suda cu sudura in adancime in K cu patrundere totala sau cu sudura in V si resudarea radacinii.
6. In atelierul de confectii montaj se va face obligatoriu preasamblarea tronsoanelor si se vor verifica dimensiunile ansamblului. Orice nepotrivire de date sau de cote va fi semnalata proiectantului. Constructorul este direct raspunzator pentru asigurarea stabilitatii structurii pe durata montajului acesteia.
7. Toate cotele sunt date in mm, cu exceptia cotelor de nivel care sunt date m.
8. Protectia anticoroziva a structurii metalice: cf. GP 121/1-2013. Clasa de corozivitate: **C2 - slaba**
   Pentru structuri deschise amplasate la exterior expuse precipitatiilor se recomanda zincarea termica. In cazul structurilor zincate termic, in elementele inchise se prevad obligatoriu gauri de zincare.

MATERIALE CONFECTIE METALICA / *STEEL STRUCTURE MATERIALS:*

ELEMENT:	MATERIAL:	STANDARD:
OTEL LAMINAT STRUCTURA METALICA *Structural steel*	**S355J0 (H)** - *laminate* **S350GD** - *profile cu pereti subtiri*	SR EN 10025, SR EN 10210, SR EN 10219 SR EN 10162
ORGANE DE ASAMBLARE *Bolting assemblies*	**GR.10.9** -*partial filetate* **GR.10.9** -*complet filetate*	SREN 14399 EN ISO 4017
SURUBURI DE ANCORAJ *Anchor bolts*	**S355/gr.6.8** -*carcase suruburi* **gr.5.8** -*ancoraj chimic*	

MOMENTE DE STRAGERE PENTRU ORGANELE DE ASAMBLARE

Nr. crt.	Diametrul nominal	Grupa	MOMENT FINAL DE STRANGERE (Nm)	50%-70% DIN MOMENTUL FINAL DE STRANGERE (Nm)	Nr. crt.	Diametrul nominal	Grupa	MOMENT FINAL DE STRANGERE (Nm)	50%-70% DIN MOMENTUL FINAL DE STRANGERE (Nm)
1	M12	10.9	100	50-70	5	M24	10.9	800	400-560
2	M16	10.9	250	125-175	6	M27	10.9	1250	625-875
3	M20	10.9	450	225-315	7	M30	10.9	1650	825-1155
4	M22	10.9	450	312-437					

LEGENDA DENUMIRI PROFILE SI TABLE / PROFILES & PLATES NAMES:

RHS, Tv.	- Teava patrata/rectangulara (Square/rectangular hollow section)
RO, Tv.Ø, RHSØ	- Teava rotunda (Circular hollow section)
FL	- Platbanda (Flat bar)
L, LNP	- Cornier (Angle profile)
U, UNP, UPE	- Profil U (Channel profile)
I, IPE, IPN	- Profil I (I profile)
HEA, HEB	- Profil I cu talpi late (Wide flanges I profile)
C, Z	- Profil C sau Z format la rece (Cold-rolled C or Z profile)
TG, PL	- Tabla groasa (Thick plate)
RD	- Bara din otel rotund (Round bar)

PROIECTANT GENERAL: SVO CONSULTING S.R.L.

S.C. Evo Proiect S.R.L.
Str. sos. Giurgiului nr. 44, Bl. C9, sc. C, ap 31, et. 4, oras Videle, jud. Teleorman.
Nr. Reg. Com.: J34/558/2016
C.U.I.: 24322887
Telefon : 0766.10.77.40
Email: office.evoproiect@gmail.com

Sef Proiect	arh. Enescu Răzvan	
Proiectat	ing. Ionuț-Lucian Vițâ	
Desenat	ing. Ionuț-Lucian Vițâ	

BENEFICIAR: COMUNA MALU MARE, JUDETUL DOLJ

PROIECT: DEZVOLTAREA INFRASTRUCTURII EDUCATIONALE PENTRU NIVELUL PREȘCOLAR ÎN COMUNA MALU MARE, SAT PREAJBA, JUDEȚUL DOLJ

AMPLASAMENT: Comuna Malu Mare, Localitatea Preajba, str. Frasinului, nr.12, T10 P52, nr. cad. 44309, cod poștal 207367, Jud. Dolj.

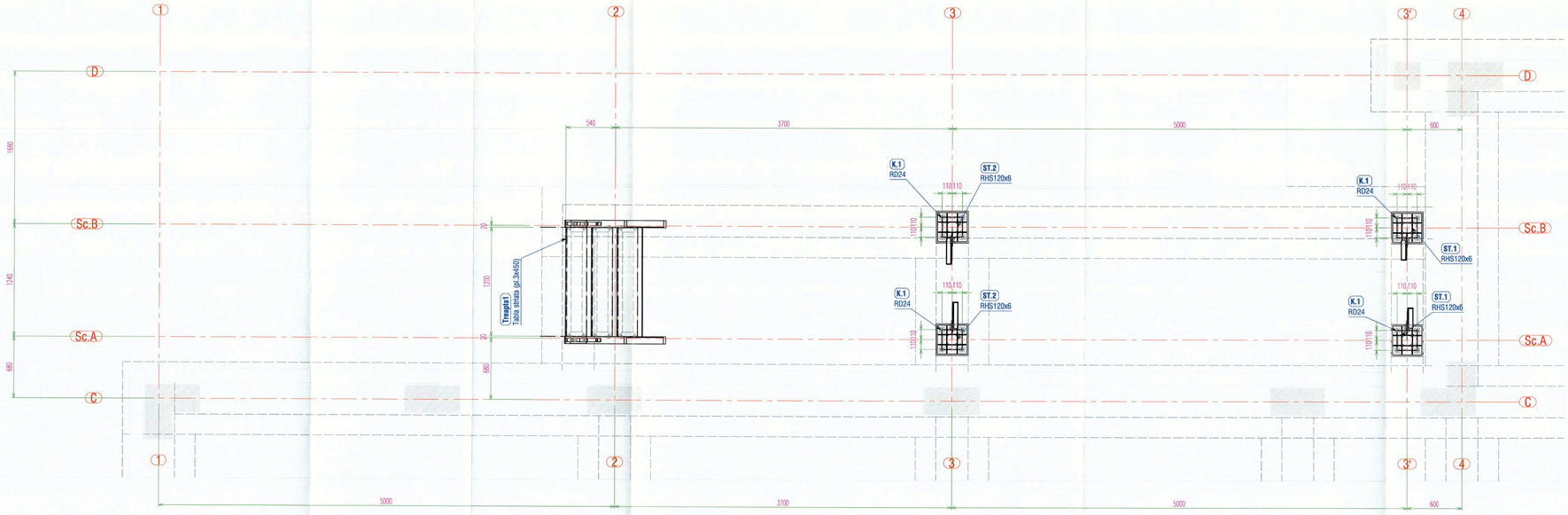
SCARA:

Titlu plansa: **Scara metalica exterioara Axonometrie**

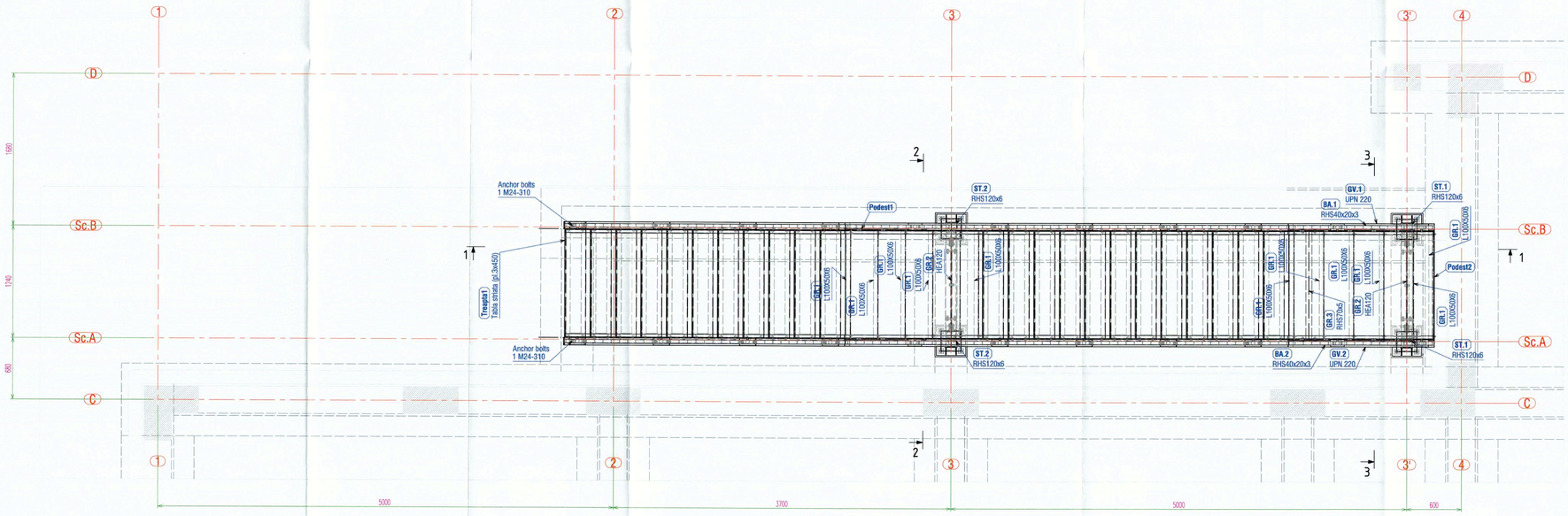
Desen nr. : EVP338/2025- D.T.A.C.+P.T.- RS-001-00

Nr. proiect:	EVP338/2025
Nr. plan:	RS-001-00
Data:	Martie 2025
Faza:	D.T.A.C.+P.T.
Specialitate:	STRUCTURA

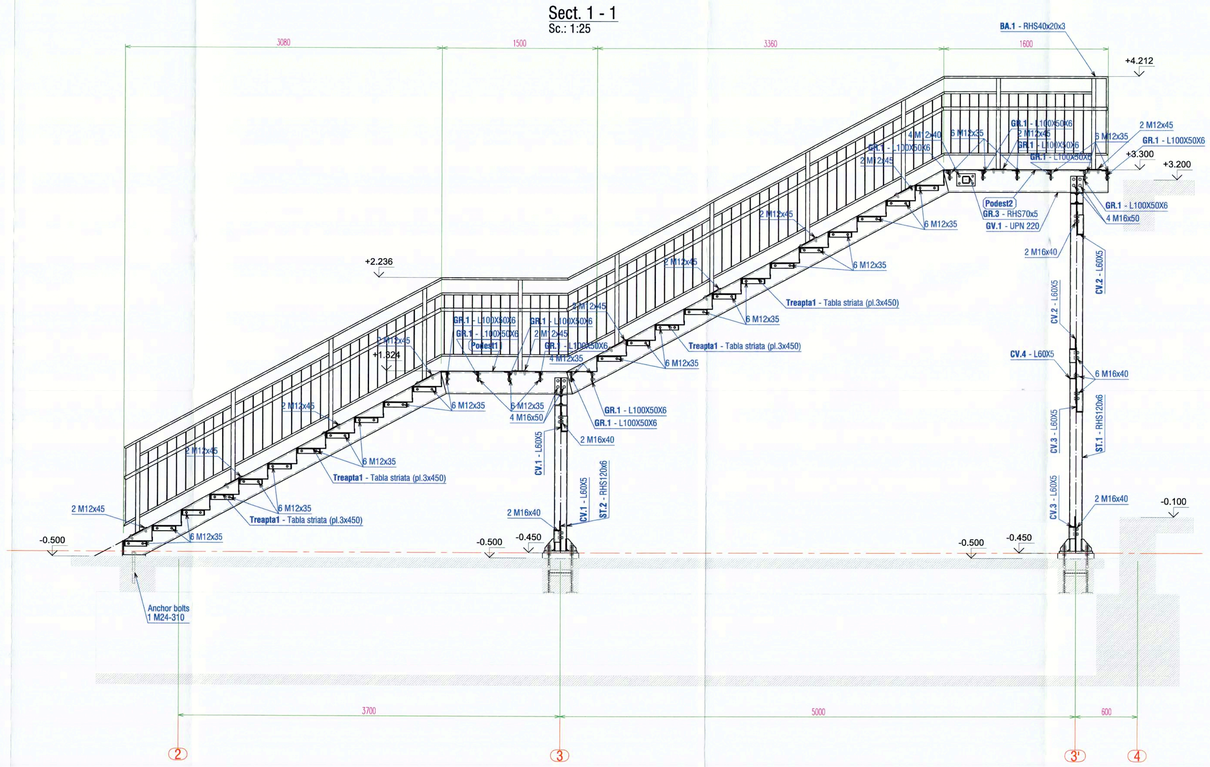
PLAN POZITIONARE STALPI SCARA
Scara 1:25



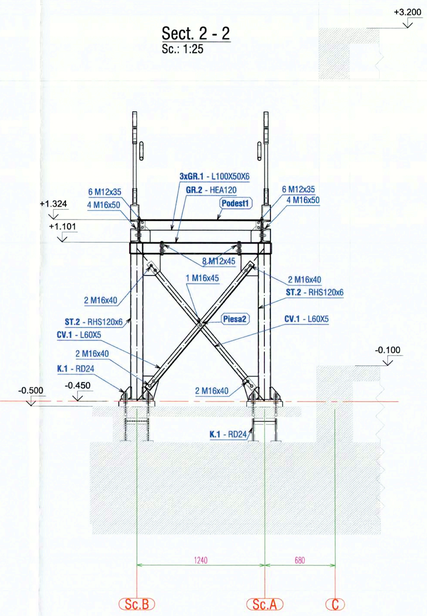
Plan montaj scara
Scara 1:25



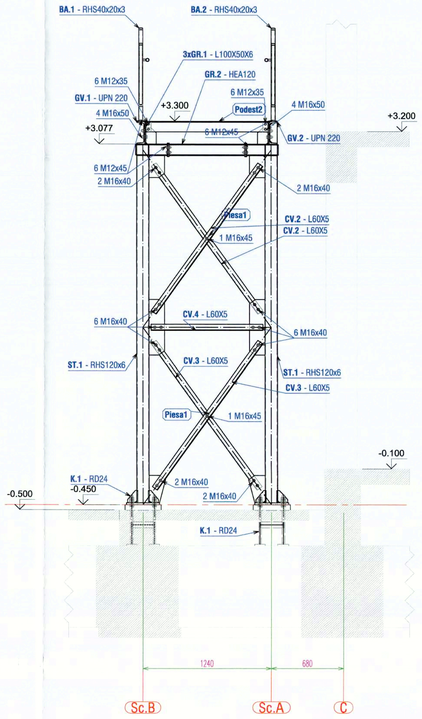
Sect. 1 - 1
Sc.: 1:25



Sect. 2 - 2
Sc.: 1:25



Sect. 3 - 3
Sc.: 1:25



NOTE CONFECTIE METALICA

1. Conditiile tehnice de calitate vor respecta prevederile SR EN 1090-2: Executarea structurilor din otel si aluminiu. Partea 2: Cerinte tehnice pentru structuri de otel. Clasa de executie a structurii metalice este **EXC 2**
2. Tolerante la executia in uzina a elementelor cu dimensiuni:
   < 5.00m - 0.50mm / > 5.00m - 1.00mm
3. Nivelul de acceptare pentru imbinarile sudate este "B" pentru cordoanele de sudura in adancime si "C" pentru cordoanele de sudura in relief, in conformitate cu normativul C150-1999.
4. Daca nu se specifica altfel in desen sudurile se vor executa in relief cu grosimea egala cu $0.7x t_{min}$ unde t_{min} reprezinta grosimea minima a elementelor care se sudeaza, pe toata lungimea de contact a acestora.
5. Placile de capat se vor suda cu sudura in adancime in K cu patrundere totala sau cu sudura in V si resudarea radacinii.
6. In atelierul de confectii montaj se va face obligatoriu preasamblarea tronsoanelor si se vor verifica dimensiunile ansamblului. Orice nepotrivire de date sau de cote va fi semnalata proiectantului. Constructorul este direct raspunzator pentru asigurarea stabilitatii structurii pe durata montajului acesteia.
7. Toate cotele sunt date in mm, cu exceptia cotelor de nivel care sunt date m.
8. Protectia anticoroziva a structurii metalice: cf. GP 121/1-2013. Clasa de corozivitate: **C2 - slaba**
   Pentru structuri deschise amplasate la exterior expuse precipitatiilor se recomanda zincarea termica. In cazul structurilor zincate termic, in elementele inchise se prevad obligatoriu gauri de zincare.

MATERIALE CONFECTIE METALICA / *STEEL STRUCTURE MATERIALS:*

ELEMENT:	MATERIAL:	STANDARD:
OTEL LAMINAT STRUCTURA METALICA *Structural steel*	**S355J0 (H)** - *laminate* **S350GD** - *profile cu pereti subtiri*	SR EN 10025, SR EN 10210, SR EN 10219 SR EN 10162.
ORGANE DE ASAMBLARE *Bolting assemblies*	**GR.10.9** -*partial filetate* **GR.10.9** -*complet filetate*	SREN 14399 EN ISO 4017
SURUBURI DE ANCORAJ *Anchor bolts*	**S355/gr.5.8** -*carcase suruburi* **gr.5.8** -*ancoraj chimic*	

MOMENTE DE STRAGERE PENTRU ORGANELE DE ASAMBLARE

Nr. crt.	Diametrul nominal	Grupa	MOMENT FINAL DE STRANGERE (Nm)	50%-70% DIN MOMENTUL FINAL DE STRANGERE (Nm)	Nr. crt.	Diametrul nominal	Grupa	MOMENT FINAL DE STRANGERE (Nm)	50%-70% DIN MOMENTUL FINAL DE STRANGERE (Nm)
1	M12	10.9	100	50-70	5	M24	10.9	800	400-560
2	M16	10.9	250	125-175	6	M27	10.9	1250	625-875
3	M20	10.9	450	225-315	7	M30	10.9	1650	825-1155
4	M22	10.9	450	312-437					

LEGENDA DENUMIRI PROFILE SI TABLE / PROFILES & PLATES NAMES:

RHS, Tv, RO, Tv.Ø, RHSØ	- Teava patrata/rectangulara (Square/rectangular hollow section) - Teava rotunda (Circular hollow section)
FL	- Platbanda (Flat bar)
L, LNP	- Cornier (Angle profile)
U, UNP, UPE	- Profil U (Channel profile)
I, IPE, IPN	- Profil I (I profile)
HEA, HEB	- Profil I cu talpi late (Wide flanges I profile)
C, Z	- Profil C sau Z format la rece (Cold-rolled C or Z profile)
TG, PL	- Tabla groasa (Thick plate)
RD	- Bara din otel rotund (Round bar)

PROIECTANT GENERAL: SVO CONSULTING S.R.L.

S.C. EVO PROIECT S.R.L.
Str. sos. Giurgiului nr. 44, bl. C9, sc. C, ap 31, et. 4, oras Videle, jud. Teleorman.
Nr. Reg. Com.: J34/558/2016
C.U.I.: 24322887
Telefon : 0766.10.77.40
Email: office.evoproiect@gmail.com

BENEFICIAR: COMUNA MALU MARE, JUDEȚUL DOLJ			Nr. proiect: EVP338/2025
PROIECT: REDUCEREA GOLULUI DE INFRASTRUCTURI EDUCATIONALE PENTRU NIVELUL PREȘCOLAR ÎN COMUNA MALU MARE, SAT PREASBA, JUDEȚUL DOLJ			Nr. plan: RS-002-00
AMPLASAMENT: Comuna Malu Mare, Localitatea Preajba, str. Frasinului, nr.12, T10 P52, nr. cad. 44309, cod poștal 207367, Jud. Dolj.			Data: Martie 2025
Sef Proiect	arh. Enescu Răzvan		Faza: D.T.A.C.+P.T.
Proiectat	ing. Ionuț-Lucian Viță	SCARA: 1 : 25	Titlu plansa: **Scara metalica exterioara** **Planuri si sectiuni montaj**
Desenat	ing. Ionuț-Lucian Viță		Specialitate: STRUCTURA
			Desen nr. : EVP338/2025- D.T.A.C.+P.T.- RS-002-00