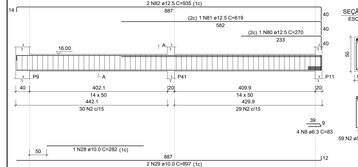
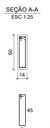
V2 (14 x 50)
ESC 1:50

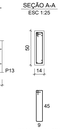


SEÇÃO A-A
ESC 1:25

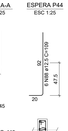


V3 (14 x 50)
ESC 1:50

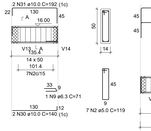
SEÇÃO A-A
ESC 1:25



ESPERA P44
ESC 1:25



V4 (14 x 50)
ESC 1:50

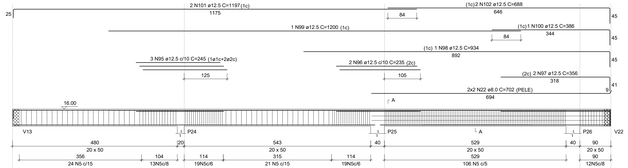


SEÇÃO A-A
ESC 1:25



V5 (20 x 50)
ESC 1:50

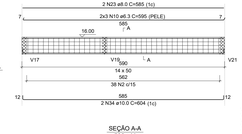
V6 (20 x 50)
ESC 1:50



SEÇÃO A-A
ESC 1:25



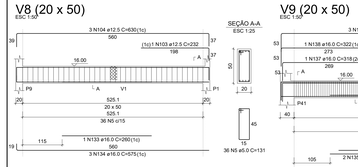
V7 (14 x 50)
ESC 1:50



SEÇÃO A-A
ESC 1:25

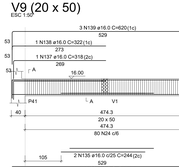


V8 (20 x 50)
ESC 1:50

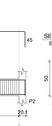


SEÇÃO A-A
ESC 1:25

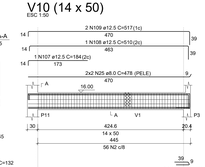
V9 (20 x 50)
ESC 1:50



SEÇÃO A-A
ESC 1:25



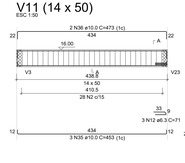
V10 (14 x 50)
ESC 1:50



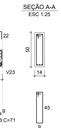
SEÇÃO A-A
ESC 1:25



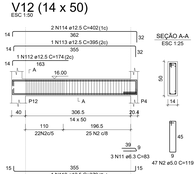
V11 (14 x 50)
ESC 1:50



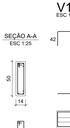
SEÇÃO A-A
ESC 1:25



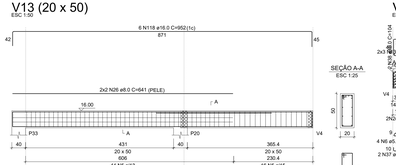
V12 (14 x 50)
ESC 1:50



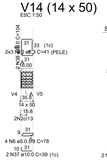
SEÇÃO A-A
ESC 1:25



V13 (20 x 50)
ESC 1:50



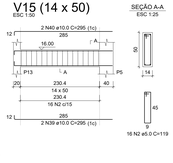
V14 (14 x 50)
ESC 1:50



SEÇÃO A-A
ESC 1:25



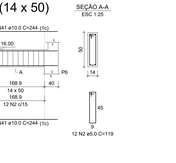
V15 (14 x 50)
ESC 1:50



SEÇÃO A-A
ESC 1:25

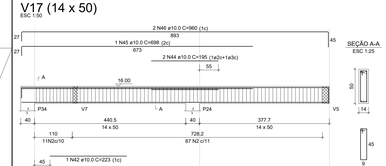


V16 (14 x 50)
ESC 1:50



SEÇÃO A-A
ESC 1:25

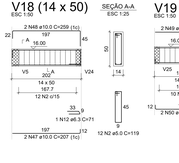
V17 (14 x 50)
ESC 1:50



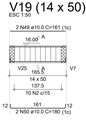
SEÇÃO A-A
ESC 1:25



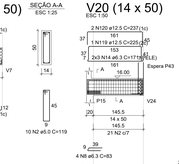
V18 (14 x 50)
ESC 1:50



SEÇÃO A-A
ESC 1:25



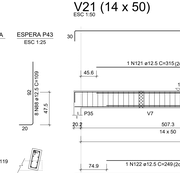
V19 (14 x 50)
ESC 1:50



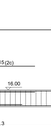
SEÇÃO A-A
ESC 1:25



V20 (14 x 50)
ESC 1:50



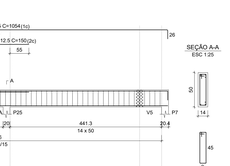
SEÇÃO A-A
ESC 1:25



ESPERA P43
ESC 1:25



V21 (14 x 50)
ESC 1:50



SEÇÃO A-A
ESC 1:25



V22 (20 x 50)
ESC 1:50

SEÇÃO A-A
ESC 1:25

V1 (20 x 40)

SEÇÃO A-A
ESC 1:25

V23 (14 x 50)
ESC 1:50

SEÇÃO A-A
ESC 1:25

ESPERA P42
ESC 1:25

V24 (14 x 50)
ESC 1:50

SEÇÃO A-A
ESC 1:25

V25 (14 x 50)
ESC 1:50

SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

V1	V2	V3							
V4	V5	V6							
V7	V8	V9							
V10	V11	V12							
V13	V14	V15							
V16	V17	V18							
V19	V20	V21							
V22	V23	V24							
V25									

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	61	117	7171
	2	5.0	847	110	100793
	3	5.0	12	79	948
	4	5.0	8	24	192
	5	5.0	402	141	56682
	6	6.3	5	76	913
	7	6.3	6	871	5226
	8	6.3	12	83	996
	9	6.3	1	71	71
	10	6.3	1	1026	1026
	11	6.3	1	65	332
	12	6.3	4	71	284
	13	6.3	6	41	246
	14	6.3	6	171	1026
	15	6.3	6	166	996
	16	6.3	2	123	246
	17	6.3	6	135	810
	18	6.3	6	601	3606
	19	6.3	6	182	1092
	20	8.0	4	702	2808
	21	8.0	4	385	1540
	22	8.0	4	702	2808
	23	8.0	4	385	1540
	24	8.0	4	1034	10360
	25	8.0	4	478	1912
	26	8.0	4	641	2564
	27	8.0	4	777	3108
	28	8.0	4	1034	4136
	29	8.0	2	897	1794
	30	10.0	2	140	280
	31	10.0	2	192	384
	32	10.0	2	214	428
	33	10.0	2	604	1208
	34	10.0	2	604	1208
	35	10.0	3	453	1359
	36	10.0	2	473	946
	37	10.0	2	39	78
	38	10.0	2	255	510
	39	10.0	2	295	590
	40	10.0	2	295	590
	41	10.0	2	244	488
	42	10.0	1	223	223
	43	10.0	2	893	1786
	44	10.0	1	195	195
	45	10.0	1	698	698
	46	10.0	1	960	960
	47	10.0	2	207	414
	48	10.0	2	259	518
	49	10.0	2	161	322
	50	10.0	2	180	360
	51	10.0	2	165	330
	52	10.0	2	358	716
	53	10.0	2	961	1922
	54	10.0	2	1010	2020
	55	10.0	2	874	1748
	56	10.0	1	305	305
	57	10.0	1	305	305
	58	10.0	2	250	500
	59	10.0	1	820	820
	60	10.0	1	815	815
	61	10.0	1	910	910
	62	10.0	2	1199	2398
	63	10.0	2	655	1310
	64	10.0	1	610	610
	65	10.0	3	779	2337
	66	10.0	2	691	1382
	67	10.0	2	1054	2108
	68	10.0	2	679	1358
	69	10.0	2	235	470
	70	10.0	2	1200	2400
	71	10.0	2	324	648
	72	10.0	2	1198	2396
	73	10.0	2	769	1538
	74	12.5	1	948	948
	75	12.5	1	272	272
	76	12.5	1	885	885
	77	12.5	1	175	175
	78	12.5	1	1026	1026
	79	12.5	1	903	1806
	80	12.5	1	270	270
	81	12.5	1	619	619
	82	12.5	2	935	1870
	83	12.5	2	1026	2052
	84	12.5	2	903	1806
	85	12.5	2	264	528
	86	12.5	2	248	496
	87	12.5	2	102	204
	88	12.5	20	939	2156
	89	12.5	1	340	340
	90	12.5	1	766	766
	91	12.5	2	1053	2106
	92	12.5	2	1053	2106
	93	12.5	1	319	319
	94	12.5	1	676	1352
	95	12.5	3	245	735
	96	12.5	3	245	735
	97	12.5	2	356	712
	98	12.5	1	934	934
	99	12.5	1	1200	1200
	100	12.5	1	386	386
	101	12.5	2	1199	2398
	102	12.5	2	688	1376
	103	12.5	1	232	232
	104	12.5	2	995	1990
	105	12.5	2	478	956
	106	12.5	2	432	864
	107	12.5	1	184	184
	108	12.5	1	510	510
	109	12.5	1	1026	1026
	110	12.5	2	379	758
	111	12.5	2	386	772
	112	12.5	1	174	174
	113	12.5	1	395	395
	114	12.5	2	1198	2396
	115	12.5	2	878	1756
	116	12.5	2	295	590
	117	12.5	2	335	670
	118	16.0	2	952	1904
	119	16.0	2	1026	2052
	120	16.0	2	237	474
	121	12.5	1	315	315
	122	12.5	2	1026	2052
	123	12.5	2	1004	2008
	124	12.5	2	1054	2108
	125	12.5	2	1054	2108
	126	12.5	1	280	280
	127	12.5	2	912	1824
	128	12.5	1	265	265
	129	12.5	1	265	265
	130	12.5	1	445	445
	131	12.5	2	1197	2394
	132	12.5	2	410	820
	133	16.0	2	1199	2398
	134	16.0	3	575	1725
	135	16.0	2	244	488
	136	16.0	4	544	2176
	137	16.0	1	322	322
	138	16.0	1	322	322
	139	16.0	3	620	1860

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	173.6	108.7
	8.0	250.1	158.5
	10.0	468.6	317.8
	12.5	555.5	588.6
	16.0	71.5	124.1
CA60	5.0	1960	281.3
PESO TOTAL (kg)			
CA50	1185.8		
CA60	281.3		

Volume de concreto (C-30) = 13.47 m³
Área de forma = 158.90 m²

OBSERVAÇÕES:

01- COTAS E NIVEIS DEVEM SER VERIFICADOS NO PROJETO DE ARQUITETURA
02- A LOCAÇÃO NO TERRENO DEVE SER VERIFICADA NA PLANTA DE SITUAÇÃO
03- OS QUANTITATIVOS PODEM VARIAR CONFORME EXECUÇÃO IN LOCO

MULIN ARQUITETURA
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Endº. Rua Catarina de Azevedo, nº 54, Loja 01, Centro, Baixada - RJ
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mulinarquitetura@gmail.com
(22)99722-1661
mulinarquitetura

PROJETO ESTRUTURAL PARA CONSTRUÇÃO DE FUTURA ESCOLA MUNICIPAL PROFESSORA LUCIA DE FÁTIMA FARAH NORONHA (TIA LUCINHA), COMPOSTA DE QUATRO PAVIMENTOS, SENDO UM SEMI-ENTERRADO, LOCALIZADA A RUA DOUTOR CHAPOT PREVOST, Nº 157, CENTRO, CANTAGALO - RIO DE JANEIRO, CEP 28.500-000

DET. ARM. VIGAS PAV. 03

DATA:	ESCALA:	PROJETO:	ENDEREÇO:	TIPO DE OBRA:
09/02/2026	INDICADA	ALOIR JR.	RUA CHAPOT PREVOST, CENTRO, CANTAGALO - RIO DE JANEIRO, CEP 28.500-000	CONSTRUÇÃO

PROPRIETÁRIO:	CNPJ 28.645.797/0001-60	CÓDIGO DO PROJETO:
MUNICIPIO DE CANTAGALO		25055-EST-PE-034-00
AUTOR DO PROJETO:	REGISTRO: P-147215-1	código do projeto - disciplina - etapa projetual - nº da prancha - nº da revisão
LUCAS DE PINHO MULIN ARQUITETURA E CONSTRUÇÃO ME		RESPONSÁVEL TÉCNICO / REGISTRO:

FORMATO A1 ESTENDIDO - 594 x 1500