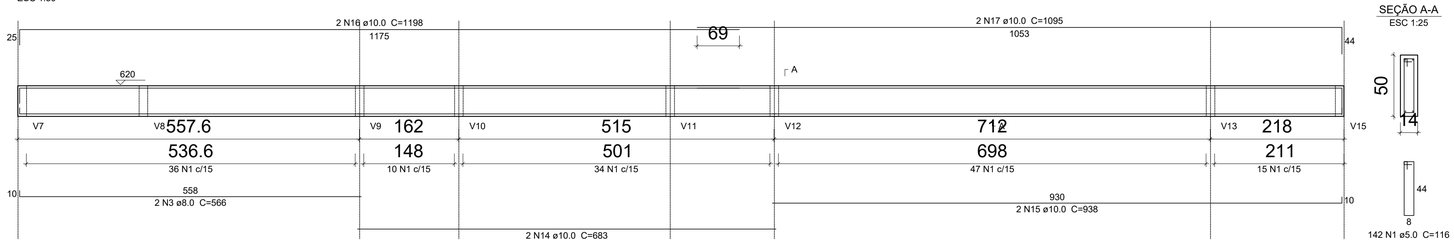
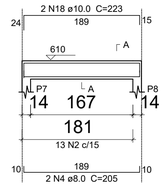
VIGAS COBERTURA - PORTAL

V1
ESC 1:50

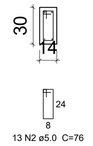


SEÇÃO A-A
ESC 1:25

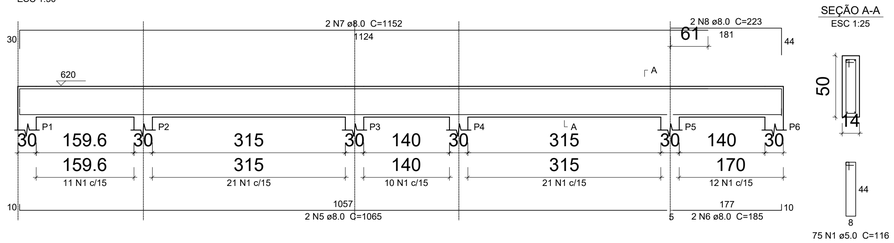
V2
ESC 1:50



SEÇÃO A-A
ESC 1:25

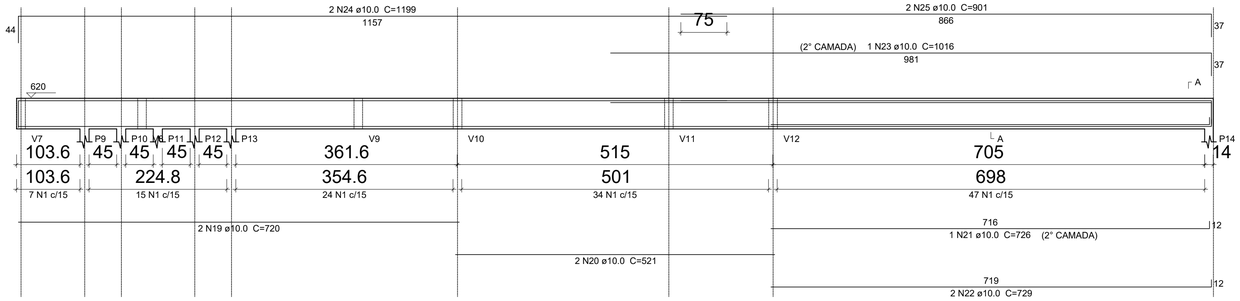


V3
ESC 1:50

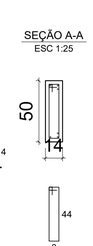


SEÇÃO A-A
ESC 1:25

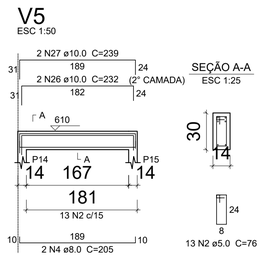
V4
ESC 1:50



SEÇÃO A-A
ESC 1:25

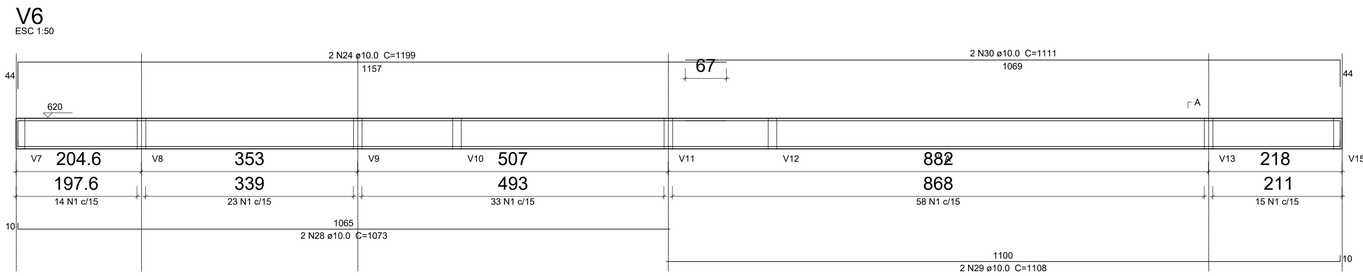


V5
ESC 1:50

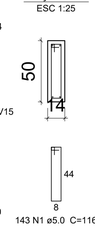


SEÇÃO A-A
ESC 1:25

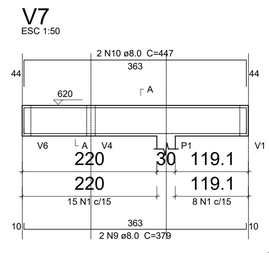
V6
ESC 1:50



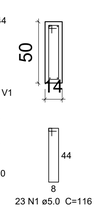
SEÇÃO A-A
ESC 1:25



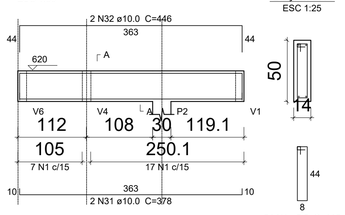
V7
ESC 1:50



SEÇÃO A-A
ESC 1:25

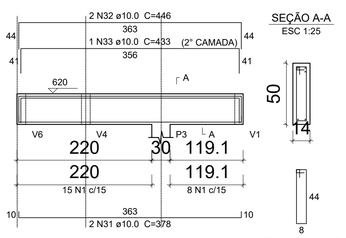


V8
ESC 1:50



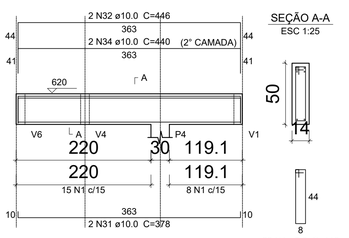
SEÇÃO A-A
ESC 1:25

V9
ESC 1:50



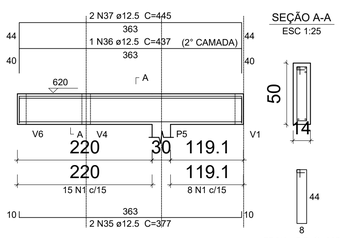
SEÇÃO A-A
ESC 1:25

V10
ESC 1:50



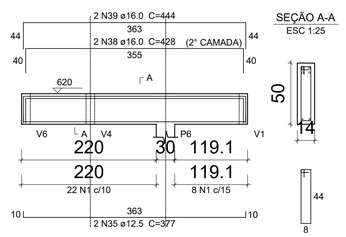
SEÇÃO A-A
ESC 1:25

V11
ESC 1:50



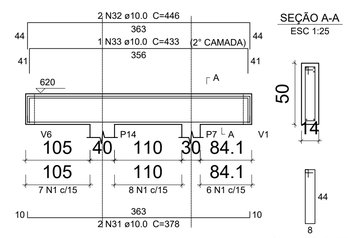
SEÇÃO A-A
ESC 1:25

V12
ESC 1:50



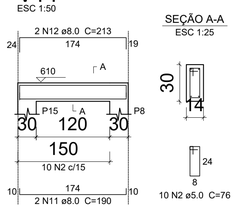
SEÇÃO A-A
ESC 1:25

V13
ESC 1:50



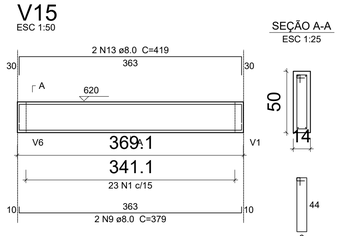
SEÇÃO A-A
ESC 1:25

V14
ESC 1:50



SEÇÃO A-A
ESC 1:25

V15
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

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	677	116	78532
	2	5.0	36	76	2736
CA50	3	8.0	2	566	1132
	4	8.0	4	205	820
	5	8.0	2	1065	2130
	6	8.0	2	185	370
	7	8.0	2	1152	2304
	8	8.0	2	223	446
	9	8.0	4	379	1516
	10	8.0	2	447	894
	11	8.0	2	190	380
	12	8.0	2	213	426
	13	8.0	2	419	838
	14	10.0	2	683	1366
	15	10.0	2	938	1876
	16	10.0	2	1198	2396
	17	10.0	2	1095	2190
	18	10.0	2	223	446
	19	10.0	2	720	1440
	20	10.0	2	521	1042
	21	10.0	1	726	726
	22	10.0	2	729	1458
	23	10.0	1	1016	1016
	24	10.0	4	1199	4796
	25	10.0	2	901	1802
	26	10.0	2	232	464
	27	10.0	2	239	478
	28	10.0	2	1073	2146
	29	10.0	2	1108	2216
	30	10.0	2	1111	2222
	31	10.0	8	378	3024
	32	10.0	8	446	3568
	33	10.0	2	433	866
	34	10.0	2	440	880
	35	12.5	4	377	1508
	36	12.5	1	437	437
	37	12.5	2	445	890
	38	16.0	2	428	856
	39	16.0	2	444	888

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	112.6	48.9
	10.0	364.2	247
	12.5	28.4	30
	16.0	17.5	30.3
CA60	5.0	812.7	137.8
PESO TOTAL			
CA50	356.2		
CA60	137.8		

Vol. de concreto total (C-25) = 7.58 m³
Área de forma total = 123.74 m²

PREFEITURA MUNICIPAL DE GUAÇUÍ
ESTADO DO ESPIRITO SANTO

PROJETO ESTRUTURAL

OBRA:
PROJETO DE REFORMA REQUALIFICAÇÃO URBANA
DA AV. AGENOR LUIZ THOMÉ

CONTEÚDO:
PORTAL

LOCAL: AV. AGENOR LUIZ THOMÉ - (BEIRA RIO) GUAÇUÍES

* DIMENSÕES DO DESENHO EM METRO
** ESCALA INDICADA EM PLANTAS

DATA: JUNHO/26

MODIFICAÇÕES:

FOLHA: 09/18

ÁREAS:

ARQUIVO Nº: ESTRUT-001

ASSINATURA:

PAULO VICTOR TEIXEIRA DEASCÂNIO
CREA-ES-050212/D