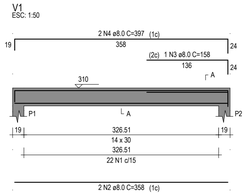

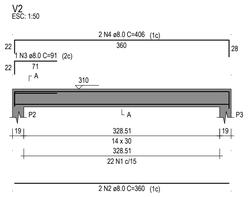

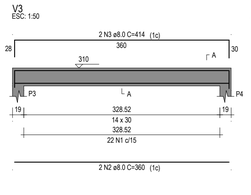

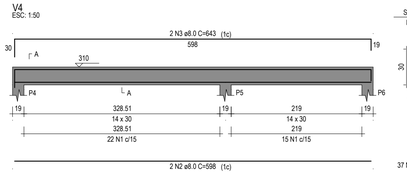

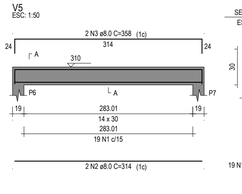

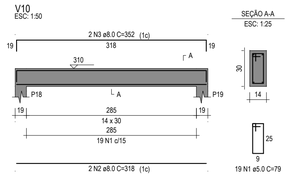

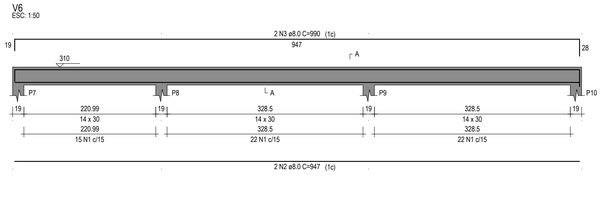

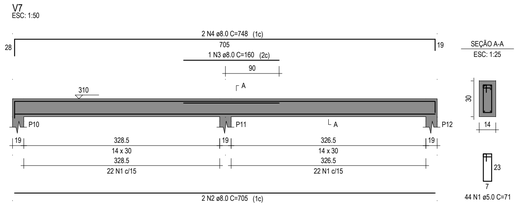

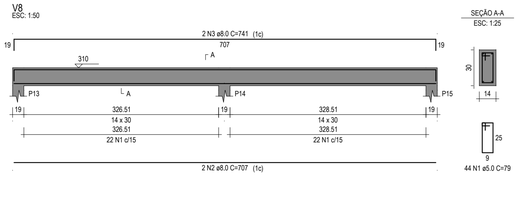

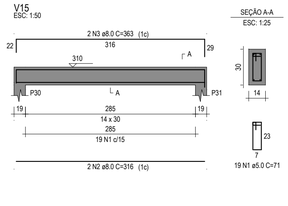

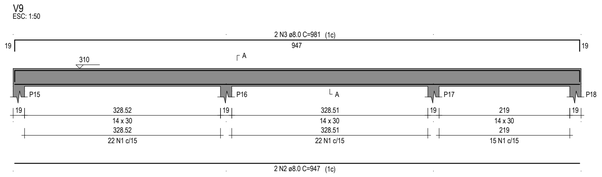

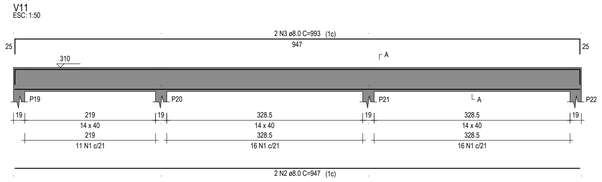

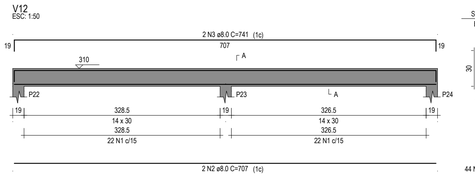

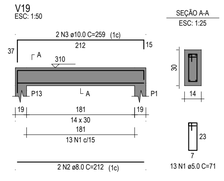

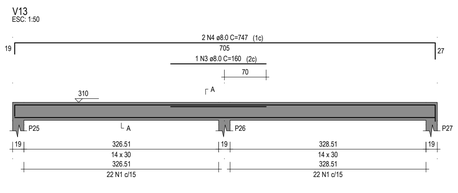

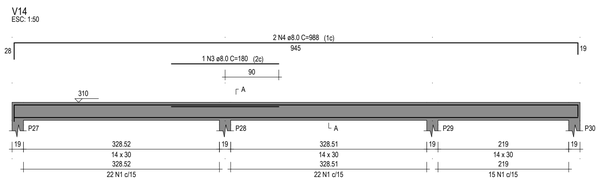

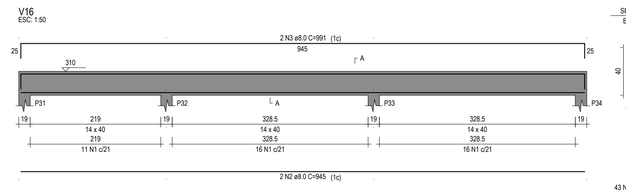

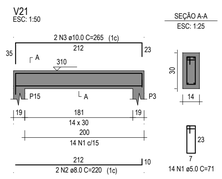

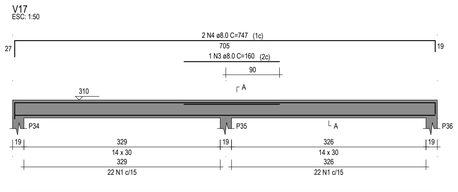

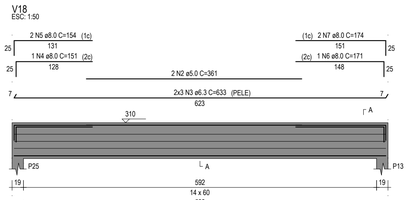

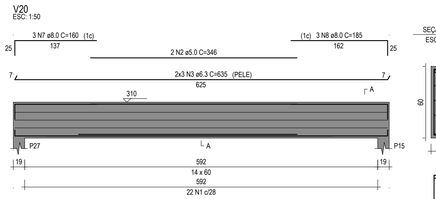

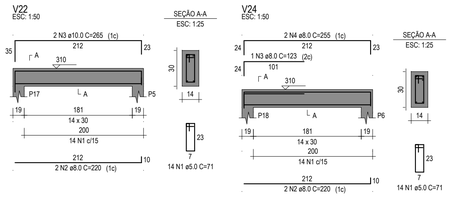

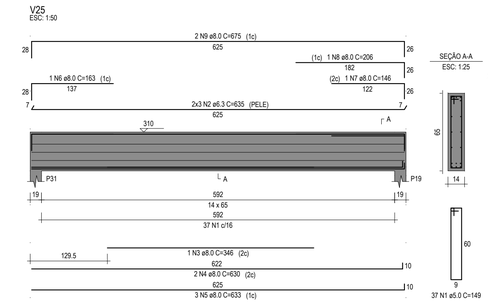

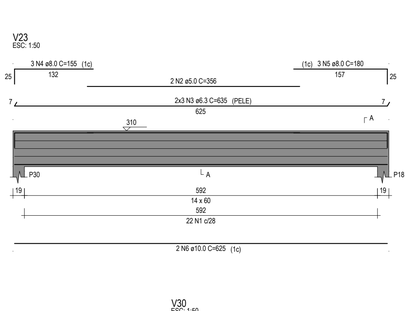

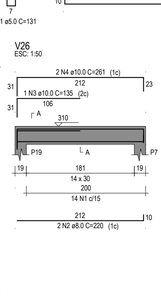

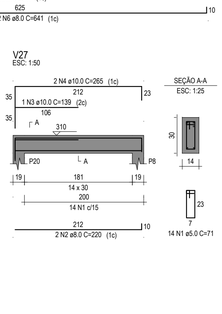

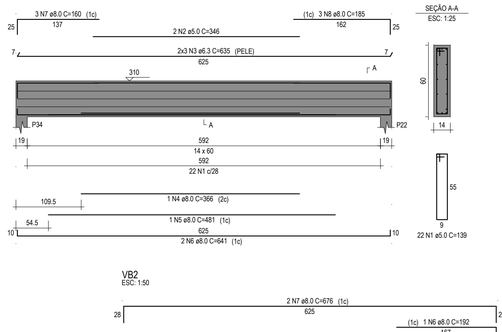

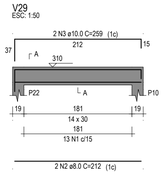

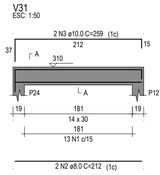

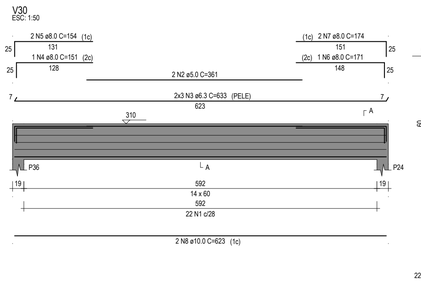

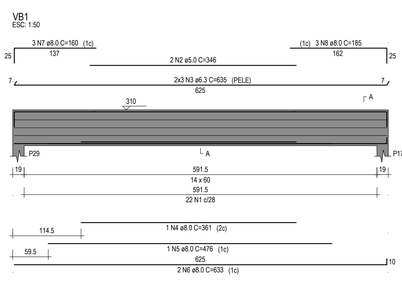

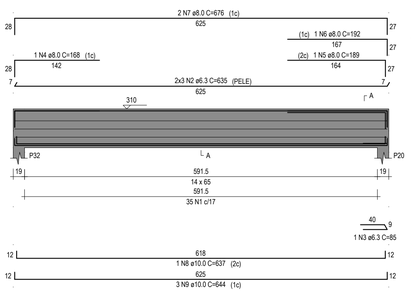

RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
V1	CA60	1	5.0	22	71	1562
	CA50	2	8.0	2	358	716
	CA50	3	8.0	1	158	158
	CA50	4	8.0	2	397	794
V2	CA60	1	5.0	22	71	1562
	CA50	2	8.0	2	360	720
	CA50	3	8.0	1	91	91
	CA50	4	8.0	2	406	812
V3	CA60	1	5.0	22	71	1562
	CA50	2	8.0	2	360	720
	CA50	3	8.0	2	414	828
V4	CA60	1	5.0	37	71	2627
	CA50	2	8.0	2	598	1196
	CA50	3	8.0	2	643	1286
V5	CA60	1	5.0	19	71	1349
	CA50	2	8.0	2	314	628
	CA50	3	8.0	2	358	716
V6	CA60	1	5.0	59	71	4189
	CA50	2	8.0	2	947	1894
	CA50	3	8.0	2	990	1980
V7	CA60	1	5.0	44	71	3124
	CA50	2	8.0	2	705	1410
	CA50	3	8.0	1	160	160
V8	CA50	4	8.0	2	748	1496
	CA60	1	5.0	44	79	3476
	CA50	2	8.0	2	707	1414
	CA50	3	8.0	2	741	1482
V9	CA60	1	5.0	59	79	4661
	CA50	2	8.0	2	947	1894
	CA50	3	8.0	2	981	1962
V10	CA60	1	5.0	19	79	1501
	CA50	2	8.0	2	318	636
	CA50	3	8.0	2	352	704
V11	CA60	1	5.0	43	99	4257
	CA50	2	8.0	2	947	1894
	CA50	3	8.0	2	993	1986
V12	CA60	1	5.0	44	79	3476
	CA50	2	8.0	2	707	1414
	CA50	3	8.0	2	741	1482
V13	CA60	1	5.0	44	71	3124
	CA50	2	8.0	2	705	1410
	CA50	3	8.0	1	160	160
V14	CA50	4	8.0	2	747	1494
	CA60	1	5.0	59	71	4189
	CA50	2	8.0	2	945	1890
	CA50	3	8.0	1	180	180
V15	CA50	4	8.0	2	988	1976
	CA60	1	5.0	19	71	1349
	CA50	2	8.0	2	316	632
	CA50	3	8.0	2	363	726
V16	CA60	1	5.0	43	91	3913
	CA50	2	8.0	2	945	1890
	CA50	3	8.0	2	991	1982
V17	CA60	1	5.0	44	71	3124
	CA50	2	8.0	2	705	1410
	CA50	3	8.0	1	160	160
V18	CA50	4	8.0	2	747	1494
	CA60	1	5.0	22	131	2882
	CA60	2	5.0	2	361	722
	CA50	3	6.3	6	633	3798
	CA50	4	8.0	1	151	151
	CA50	5	8.0	2	154	308
	CA50	6	8.0	1	171	171
	CA50	7	8.0	2	174	348
	CA50	8	10.0	2	623	1246
V19	CA60	1	5.0	13	71	923
	CA60	2	8.0	2	212	424
	CA50	3	10.0	2	259	518
V20	CA60	1	5.0	22	139	3058
	CA50	2	5.0	2	346	692
	CA50	3	6.3	6	635	3810
	CA50	4	8.0	1	366	366
	CA50	5	8.0	1	481	481
	CA50	6	8.0	2	641	1282
	CA50	7	8.0	3	160	480
	CA50	8	8.0	3	185	555
V21	CA60	1	5.0	14	71	994
	CA50	2	8.0	2	220	440
	CA50	3	10.0	2	265	530
V22	CA60	1	5.0	14	71	994
	CA50	2	8.0	2	220	440
	CA50	3	10.0	2	265	530
V23	CA60	1	5.0	22	139	3058
	CA60	2	5.0	2	356	712
	CA50	3	6.3	6	635	3810
	CA50	4	8.0	1	155	465
	CA50	5	8.0	3	180	540
	CA50	6	10.0	2	625	1250
V24	CA60	1	5.0	14	71	994
	CA50	2	8.0	2	220	440
	CA50	3	8.0	1	123	123
	CA50	4	8.0	2	255	510
V25	CA60	1	5.0	37	149	5513
	CA50	2	6.3	6	635	3810
	CA50	3	8.0	1	346	346
	CA50	4	8.0	2	630	1260
	CA50	5	8.0	3	633	1899
	CA50	6	8.0	1	163	163
	CA50	7	8.0	1	146	146
	CA50	8	8.0	1	206	206
V26	CA50	9	8.0	2	675	1350
	CA60	1	5.0	14	71	994
	CA50	2	8.0	2	220	440
	CA50	3	10.0	1	135	135
	CA50	4	10.0	2	261	522
V27	CA60	1	5.0	14	71	994
	CA50	2	8.0	2	220	440
	CA50	3	10.0	1	139	139
	CA50	4	10.0	2	265	530
V28	CA60	1	5.0	22	139	3058
	CA60	2	5.0	2	346	692
	CA50	3	6.3	6	635	3810
	CA50	4	8.0	1	366	366
	CA50	5	8.0	1	481	481
	CA50	6	8.0	2	641	1282
	CA50	7	8.0	3	160	480
	CA50	8	8.0	3	185	555
V29	CA60	1	5.0	13	71	923
	CA50	2	8.0	2	212	424
	CA50	3	10.0	2	259	518
V30	CA60	1	5.0	22	139	3058
	CA60	2	5.0	2	361	722
	CA50	3	6.3	6	635	3810
	CA50	4	8.0	1	151	151
	CA50	5	8.0	2	154	308
	CA50	6	8.0	1	171	171
	CA50	7	8.0	2	174	348
	CA50	8	10.0	2	623	1246
V31	CA60	1	5.0	13	71	923
	CA50	2	8.0	2	212	424
	CA50	3	10.0	2	259	518
VB1	CA60	1	5.0	22	139	3058
	CA60	2	5.0	2	346	692
	CA50	3	6.3	6	635	3810
	CA50	4	8.0	1	361	361
	CA50	5	8.0	1	476	476
	CA50	6	8.0	2	633	1266
	CA50	7	8.0	3	160	480
	CA50	8	8.0	3	185	555
VB2	CA60	1	5.0	35	149	5215
	CA50	2	6.3	6	635	3810
	CA50	3	6.3	1	85	85
	CA50	4	8.0	1	168	168
	CA50	5	8.0	1	189	189
	CA50	6	8.0	1	192	192
	CA50	7	8.0	2	676	1352
	CA50	8	10.0	1	637	637
	CA50	9	10.0	3	644	1932

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	6.3	305.4	74.7
	8.0	696.8	274.9
	10.0	102.5	63.2
CA60	5.0	897.4	138.3

PESO TOTAL (kg)	
CA50	412.9
CA60	138.3

Volume de concreto (C-30) = 9.94 m³
Área de forma = 166.89 m²

ASSINATURAS E APROVAÇÃO

LEONARDO SILVEIRA LIMA
ENGENHEIRO CIVIL - RNP: 060158106?

GEOPAC
AVENIDA PADRE ANTÔNIO TOMÁS, N.º 2420, SALA 301/302
BAIRRO ALDEOTA | FORTALEZA/CE
FONE: 85 3341.31.47 | EMAIL: GEOPAC@GEOPAC.COM.BR

PROPRIETÁRIO:
PREFEITURA MUNICIPAL DE ARACATI/CE

OBRA:
CONSTRUÇÃO DE ESCOLA INTEGRAL DE 12 SALAS E QUADRA NO BAIRRO TABAJARA

PROJETO:
PROJETO ESTRUTURAL EM CONCRETO - BLOCO IV - SALAS INFANTIS

IDENTIFICAÇÃO DOS DESENHOS:
VIGAS SUPERIORES

LOCAL:	DATA:	PRANCHA:
TABAJARA - ARACATI-CE	MARÇO/2023	06/11
DESENHO: LEONARDO SILVEIRA	ESCALA: INDICADA	ARQUIVO: ARCT - 22 38