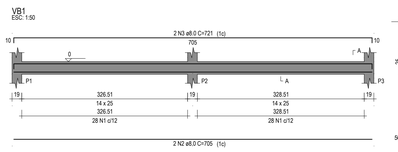

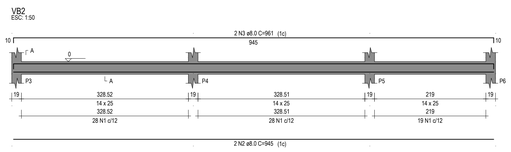

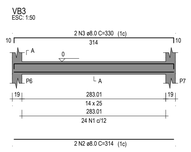

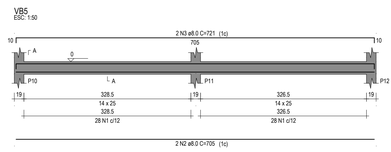

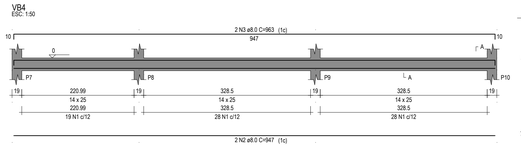

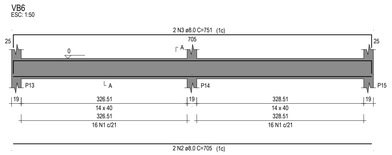

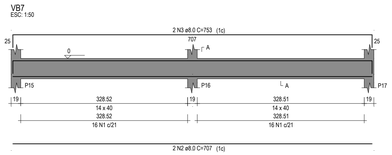

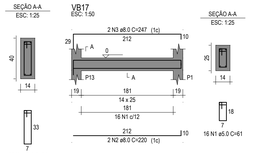

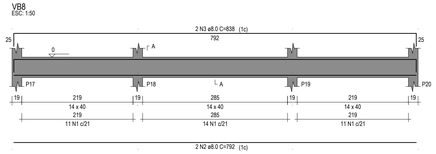

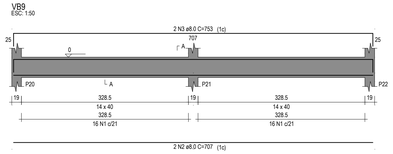

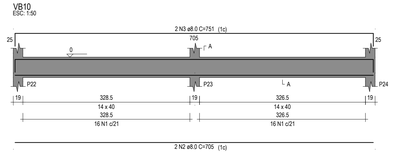

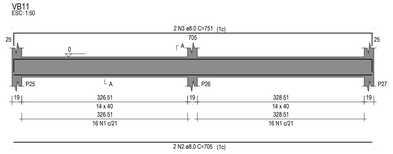

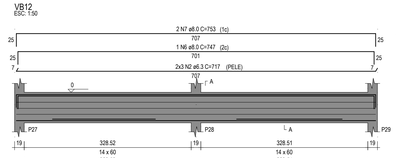

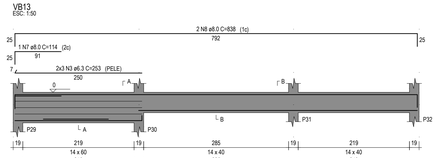

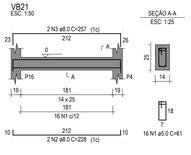

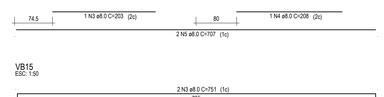

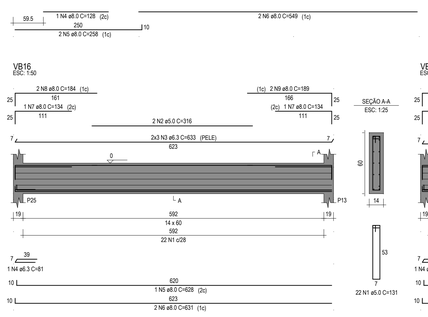

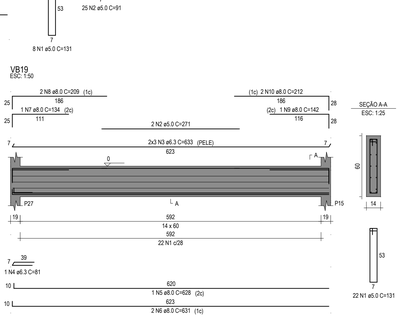

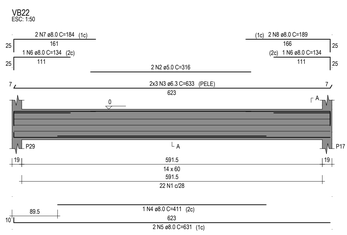

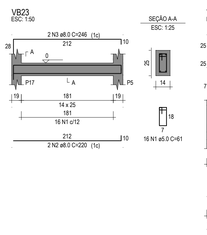

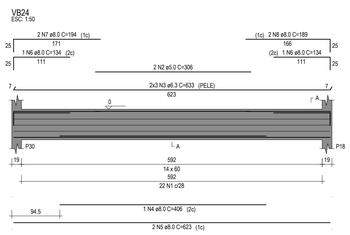

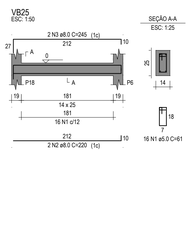

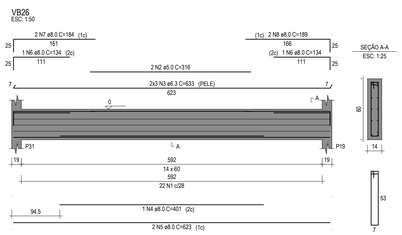

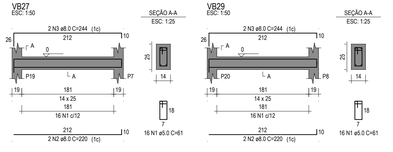

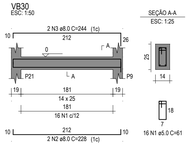

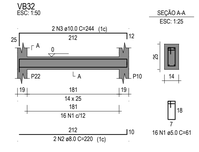

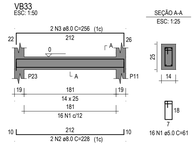

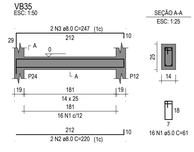

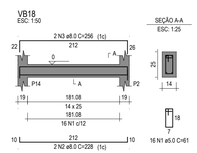

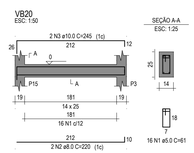

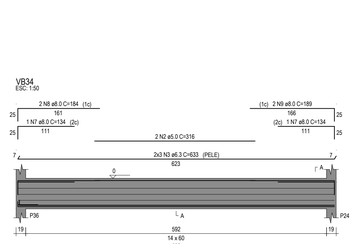

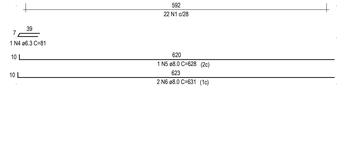

RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
VB1	CA50	1	5.0	56	61	3416
	CA50	2	8.0	2	705	1410
	CA50	3	8.0	2	721	1442
VB2	CA60	1	5.0	75	61	4575
	CA50	2	8.0	2	945	1890
	CA50	3	8.0	2	961	1922
VB3	CA60	1	5.0	24	61	1464
	CA50	2	8.0	2	314	628
	CA50	3	8.0	2	330	660
VB4	CA60	1	5.0	75	61	4575
	CA50	2	8.0	2	947	1894
	CA50	3	8.0	2	963	1926
VB5	CA60	1	5.0	56	61	3416
	CA50	2	8.0	2	705	1410
	CA50	3	8.0	2	721	1442
VB6	CA60	1	5.0	32	91	2912
	CA50	2	8.0	2	705	1410
	CA50	3	8.0	2	751	1502
VB7	CA60	1	5.0	32	91	2912
	CA50	2	8.0	2	707	1414
	CA50	3	8.0	2	753	1506
VB8	CA60	1	5.0	36	91	3276
	CA50	2	8.0	2	792	1584
	CA50	3	8.0	2	838	1676
VB9	CA60	1	5.0	32	91	2912
	CA50	2	8.0	2	707	1414
	CA50	3	8.0	2	753	1506
VB10	CA60	1	5.0	32	91	2912
	CA50	2	8.0	2	705	1410
	CA50	3	8.0	2	751	1502
VB11	CA60	1	5.0	32	91	2912
	CA50	2	8.0	2	705	1410
	CA50	3	8.0	2	751	1502
VB12	CA60	1	5.0	24	117	2344
	CA50	2	6.3	2	707	203
	CA50	3	8.0	1	203	203
	CA50	4	8.0	1	208	208
	CA50	5	8.0	2	707	1414
	CA50	6	8.0	1	747	747
	CA50	7	8.0	2	753	1506
VB13	CA60	1	5.0	8	131	1048
	CA50	2	5.0	25	91	2275
	CA50	3	6.3	6	253	1518
	CA50	4	8.0	1	128	128
	CA50	5	8.0	2	258	516
	CA50	6	8.0	2	549	1098
	CA50	7	8.0	1	114	114
	CA50	8	8.0	2	838	1676
VB14	CA60	1	5.0	32	91	2912
	CA50	2	8.0	2	707	1414
	CA50	3	8.0	2	753	1506
VB15	CA60	1	5.0	32	91	2912
	CA50	2	8.0	2	705	1410
	CA50	3	8.0	2	751	1502
VB16	CA60	1	5.0	22	131	2882
	CA50	2	5.0	2	316	632
	CA50	3	6.3	6	633	3798
	CA50	4	6.3	1	81	81
	CA50	5	8.0	1	628	628
	CA50	6	8.0	2	631	1262
	CA50	7	8.0	1	134	134
	CA50	8	8.0	2	209	418
	CA50	9	8.0	1	142	142
	CA50	10	8.0	2	212	424
VB17	CA60	1	5.0	16	61	976
	CA50	2	8.0	2	220	440
	CA50	3	8.0	2	247	494
VB18	CA60	1	5.0	16	61	976
	CA50	2	8.0	2	228	456
	CA50	3	8.0	2	256	512
VB19	CA60	1	5.0	22	131	2882
	CA50	2	5.0	2	271	542
	CA50	3	6.3	6	633	3798
	CA50	4	6.3	1	81	81
	CA50	5	8.0	1	628	628
	CA50	6	8.0	2	631	1262
	CA50	7	8.0	1	134	134
	CA50	8	8.0	2	209	418
	CA50	9	8.0	1	141	141
	CA50	10	8.0	2	211	422
VB20	CA60	1	5.0	16	61	976
	CA50	2	8.0	2	220	440
	CA50	3	10.0	2	244	488
VB21	CA60	1	5.0	16	61	976
	CA50	2	8.0	2	228	456
	CA50	3	8.0	2	256	512
VB22	CA60	1	5.0	22	131	2882
	CA50	2	5.0	2	316	632
	CA50	3	6.3	6	633	3798
	CA50	4	6.3	1	411	411
	CA50	5	8.0	1	631	1262
	CA50	6	8.0	2	134	268
	CA50	7	8.0	2	184	368
	CA50	8	8.0	2	189	378
VB23	CA60	1	5.0	16	61	976
	CA50	2	8.0	2	220	440
	CA50	3	8.0	2	246	492
VB24	CA60	1	5.0	22	131	2882
	CA50	2	5.0	2	306	612
	CA50	3	6.3	6	633	3798
	CA50	4	8.0	1	406	406
	CA50	5	8.0	2	623	1246
	CA50	6	8.0	2	134	268
	CA50	7	8.0	2	194	388
	CA50	8	8.0	2	189	378
VB25	CA60	1	5.0	16	61	976
	CA50	2	8.0	2	220	440
	CA50	3	8.0	2	245	490
VB26	CA60	1	5.0	22	131	2882
	CA50	2	5.0	2	316	632
	CA50	3	6.3	6	633	3798
	CA50	4	6.3	1	81	81
	CA50	5	8.0	1	628	628
	CA50	6	8.0	2	631	1262
	CA50	7	8.0	2	134	268
	CA50	8	8.0	2	184	368
	CA50	9	8.0	2	189	378
VB27	CA60	1	5.0	16	61	976
	CA50	2	8.0	2	220	440
	CA50	3	8.0	2	244	488
VB28	CA60	1	5.0	22	131	2882
	CA50	2	6.3	6	633	3798
	CA50	3	8.0	1	401	401
	CA50	4	8.0	2	623	1246
	CA50	5	8.0	1	134	134
	CA50	6	8.0	1	135	135
	CA50	7	8.0	2	670	1340
VB29	CA60	1	5.0	16	61	976
	CA50	2	8.0	2	220	440
	CA50	3	8.0	2	244	488
VB30	CA60	1	5.0	16	61	976
	CA50	2	8.0	2	228	456
	CA50	3	8.0	2	244	488
VB31	CA60	1	5.0	22	131	2882
	CA50	2	5.0	2	271	542
	CA50	3	6.3	6	633	3798
	CA50	4	6.3	1	81	81
	CA50	5	8.0	1	628	628
	CA50	6	8.0	2	631	1262
	CA50	7	8.0	1	134	134
	CA50	8	8.0	2	209	418
	CA50	9	8.0	1	141	141
	CA50	10	8.0	2	211	422
VB32	CA60	1	5.0	16	61	976
	CA50	2	8.0	2	220	440
	CA50	3	10.0	2	244	488
VB33	CA60	1	5.0	16	61	976
	CA50	2	8.0	2	228	456
	CA50	3	8.0	2	256	512
VB34	CA60	1	5.0	22	131	2882
	CA50	2	5.0	2	316	632
	CA50	3	6.3	6	633	3798
	CA50	4	6.3	1	81	81
	CA50	5	8.0	1	628	628
	CA50	6	8.0	2	631	1262
	CA50	7	8.0	2	134	268
	CA50	8	8.0	2	184	368
	CA50	9	8.0	2	189	378
VB35	CA60	1	5.0	16	61	976
	CA50	2	8.0	2	220	440
	CA50	3	8.0	2	247	494

RESUMO DO AÇO

AÇO	DIAM(mm)	C.TOTAL (m)	PESO + 0% (Kg)
CA50	6.3	365.3	89.4
	8.0	793.3	313
	10.0	9.8	6
CA60	5.0	865.6	133.4

PESO TOTAL (kg)	
CA50	408.4
CA60	133.4

Volume de concreto (C-30) = 10.79 m³
Área de forma = 180.19 m²

ASSINATURAS E APROVAÇÃO

LEONARDO SILVEIRA LIMA
ENGENHEIRO CIVIL - RNP: 060158106?

GEOPAC
AVENIDA PADRE ANTÔNIO TOMÁS, N.º 2420, SALA 301/302
BAIRRO ALBEZITA | FORTALEZA/CE
FONE: 85 3241.31.47 | EMAIL: GEOPAC@GEOPAC.COM.BR

CONTRATANTE
PREFEITURA MUNICIPAL DE ARACATI/CE

OBRA
CONSTRUÇÃO DE ESCOLA DE 12 SALAS E CAMPO NA LOCALIDADE CUMBE

PROJETO
PROJETO ESTRUTURAL EM CONCRETO - BLOCO IV - SALAS INFANTIS

IDENTIFICAÇÃO DOS DESENHOS
VIGAS BALDRAMES

LOCAL		DATA	PRANCHA
CUMBE / ARACATI - CE		MARÇO/2023	05/11
RESPONSÁVEL TÉCNICO	ESCALA	ARQUIVO	
LEONARDO SILVEIRA	INDICADA	ARCT - 22 38	