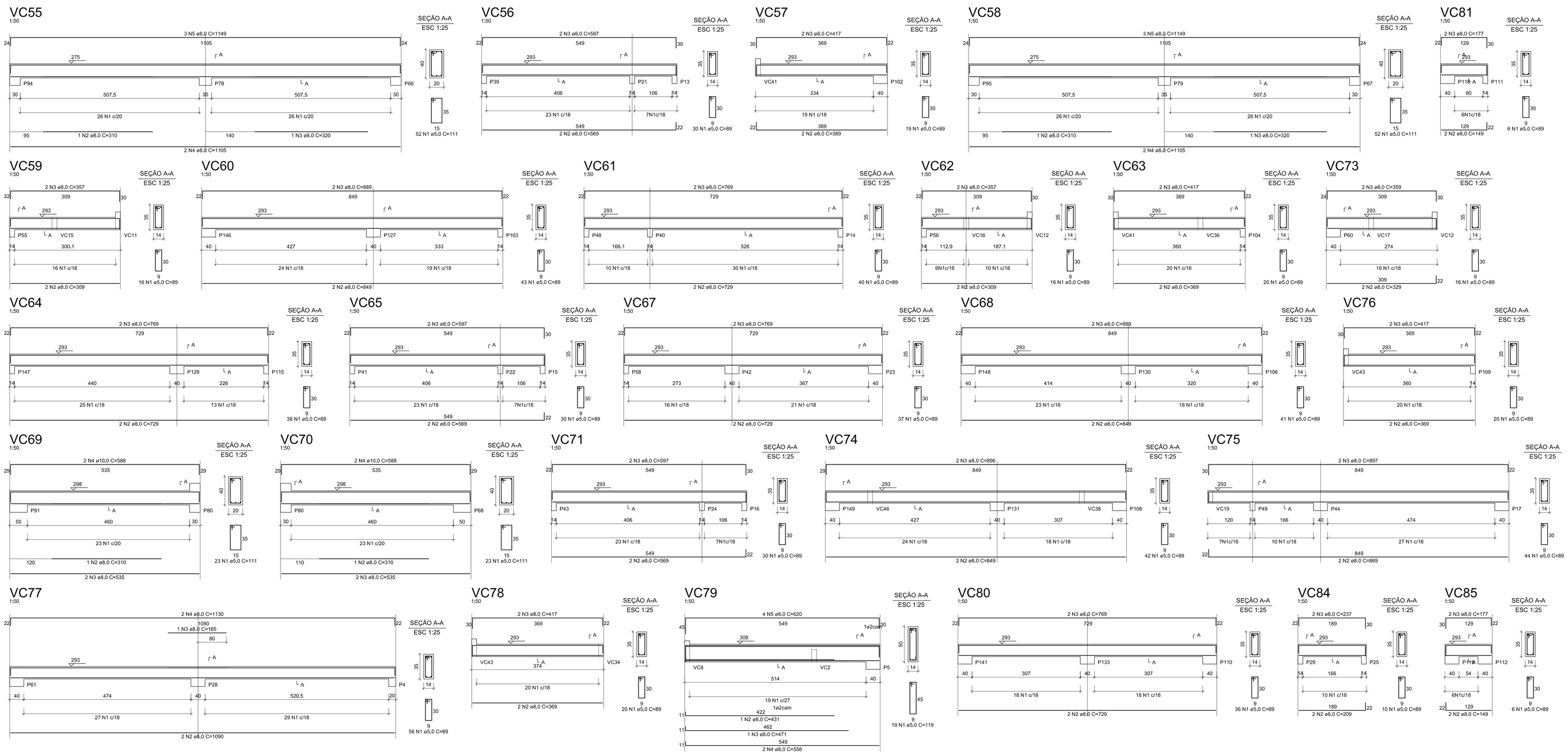

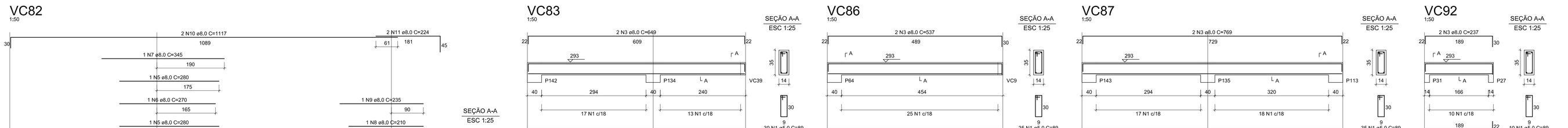

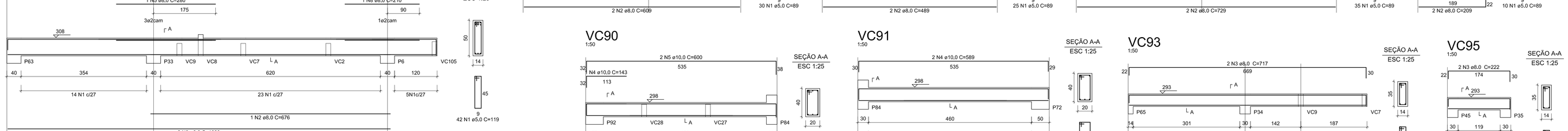

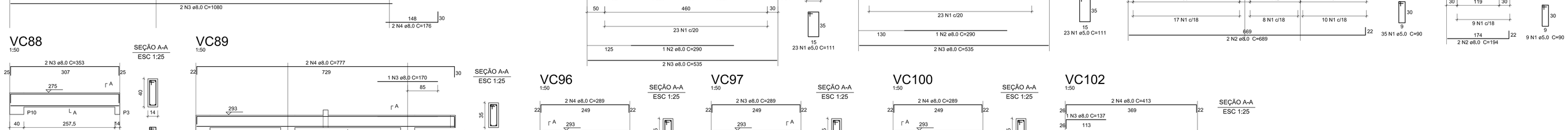

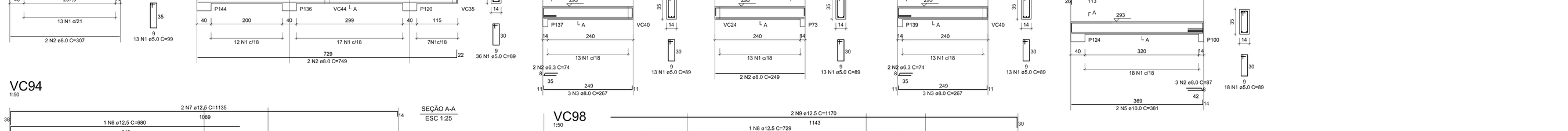

RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
VC55	60	1	5,0	52	111	5772
	50	2	8,0	1	310	310
	50	3	8,0	1	320	320
	50	4	8,0	2	1105	2210
	50	5	8,0	3	1149	3447
VC56	60	1	5,0	30	89	2670
	50	2	8,0	2	569	1138
	50	3	8,0	2	597	1194
VC57	60	1	5,0	19	89	1691
	50	2	8,0	2	389	778
	50	3	8,0	2	417	834
VC58	60	1	5,0	52	111	5772
	50	2	8,0	1	310	310
	50	3	8,0	1	320	320
	50	4	8,0	2	1105	2210
	50	5	8,0	3	1149	3447
VC59	60	1	5,0	16	89	1424
	50	2	8,0	2	309	618
	50	3	8,0	2	357	714
VC60	60	1	5,0	43	89	3827
	50	2	8,0	2	849	1698
	50	3	8,0	2	889	1778
VC61	60	1	5,0	40	89	3560
	50	2	8,0	2	729	1458
	50	3	8,0	2	769	1538
VC62	60	1	5,0	16	89	1424
	50	2	8,0	2	309	618
	50	3	8,0	2	357	714
VC63	60	1	5,0	20	89	1780
	50	2	8,0	2	369	738
	50	3	8,0	2	417	834
VC64	60	1	5,0	30	89	2670
	50	2	8,0	2	729	1458
	50	3	8,0	2	769	1538
VC65	60	1	5,0	30	89	2670
	50	2	8,0	2	569	1138
	50	3	8,0	2	597	1194
VC67	60	1	5,0	37	89	3293
	50	2	8,0	2	729	1458
	50	3	8,0	2	769	1538
VC68	60	1	5,0	41	89	3649
	50	2	8,0	2	849	1698
	50	3	8,0	2	889	1778
VC69	60	1	5,0	23	111	2553
	50	2	8,0	1	310	310
	50	3	8,0	2	535	1070
	50	4	10,0	2	588	1176
VC70	60	1	5,0	23	111	2553
	50	2	8,0	1	310	310
	50	3	8,0	2	535	1070
	50	4	10,0	2	588	1176
VC71	60	1	5,0	30	89	2670
	50	2	8,0	2	569	1138
	50	3	8,0	2	597	1194
VC73	60	1	5,0	40	89	3560
	50	2	8,0	2	329	658
	50	3	8,0	2	359	718
VC74	60	1	5,0	42	89	3738
	50	2	8,0	2	849	1698
	50	3	8,0	2	896	1792
VC75	60	1	5,0	44	89	3916
	50	2	8,0	2	869	1738
	50	3	8,0	2	897	1794
VC76	60	1	5,0	20	89	1780
	50	2	8,0	2	369	738
	50	3	8,0	2	417	834
VC77	60	1	5,0	19	119	2261
	50	2	8,0	1	431	431
	50	3	8,0	1	471	471
	50	4	8,0	2	558	1116
	50	5	8,0	4	620	2480
VC78	60	1	5,0	36	89	3204
	50	2	8,0	2	729	1458
	50	3	8,0	2	769	1538
VC79	60	1	5,0	6	89	534
	50	2	8,0	2	149	298
	50	3	8,0	2	177	354
	50	4	8,0	2	280	560
	50	5	8,0	1	676	676
	50	6	8,0	1	270	270
	50	7	8,0	1	345	345
	50	8	8,0	1	210	210
	50	9	8,0	1	235	235
	50	10	8,0	2	1117	2234
	50	11	8,0	2	224	448
VC80	60	1	5,0	36	89	3204
	50	2	8,0	2	729	1458
	50	3	8,0	2	769	1538
VC81	60	1	5,0	6	89	534
	50	2	8,0	2	149	298
	50	3	8,0	2	177	354
VC82	60	1	5,0	42	119	4998
	50	2	8,0	1	676	676
	50	3	8,0	2	1080	2160
	50	4	8,0	2	176	352
	50	5	8,0	1	280	560
	50	6	8,0	1	270	270
	50	7	8,0	1	345	345
	50	8	8,0	1	210	210
	50	9	8,0	1	235	235
	50	10	8,0	2	1117	2234
	50	11	8,0	2	224	448

VC83	60	1	5,0	30	89	2670
	50	2	8,0	2	609	1218
	50	3	8,0	2	649	1298
VC84	60	1	5,0	10	89	890
	50	2	8,0	2	209	418
VC85	60	1	5,0	6	89	534
	50	2	8,0	2	149	298
VC86	60	1	5,0	25	89	2225
	50	2	8,0	2	489	978
VC87	60	1	5,0	35	89	3115
	50	2	8,0	2	729	1458
	50	3	8,0	2	769	1538
VC88	60	1	5,0	13	99	1287
	50	2	8,0	2	307	614
	50	3	8,0	2	353	706
VC89	60	1	5,0	36	89	3204
	50	2	8,0	2	749	1498
	50	3	8,0	1	170	170
	50	4	8,0	2	777	1554
VC90	60	1	5,0	23	111	2553
	50	2	8,0	1	290	290
	50	3	8,0	2	535	1070
	50	4	10,0	1	143	1200
	50	5	10,0	2	600	1200
VC91	60	1	5,0	23	111	2553
	50	2	8,0	1	290	290
	50	3	8,0	2	535	1070
	50	4	10,0	2	589	1178
VC92	60	1	5,0	10	89	890
	50	2	8,0	2	209	418
	50	3	8,0	2	237	474
VC93	60	1	5,0	35	90	3150
	50	2	8,0	2	689	1378
	50	3	8,0	2	717	1434
VC94	60	1	5,0	58	89	5162
	50	2	6,3	2	74	148
	50	3	8,0	2	210	420
	50	4	10,0	3	573	1719
	50	5	10,0	2	404	808
VC95	60	1	5,0	9	90	810
	50	2	8,0	2	194	388
VC96	50	3	8,0	2	222	444
	60	1	5,0	13	89	1157
	50	2	6,3	2	74	148
	50	3	8,0	2	267	801
VC97	50	4	8,0	2	289	578
	60	1	5,0	13	89	1157
	50	2	6,3	2	74	148
	50	3	8,0	2	289	578
VC98	60	1	5,0	67	89	5963
	50	2	8,0	1	374	374
	50	3	8,0	1	521	521
	50	4	8,0	2	1074	2148
	50	5	8,0	2	260	520
	50	6	8,0	1	270	270
	50	7	8,0	2	610	1220
	50	8	12,5	1	729	729
	50	9	12,5	2	1170	2340
VC100	60	1	5,0	13	89	1157
	50	2	6,3	2	74	148
	50	3	8,0	3	267	801
	50	4	8,0	2	289	578
VC102	60	1	5,0	18	89	1602
	50	2	8,0	3	87	261
	50	3	8,0	1	137	137
	50	4	8,0	2	413	826
	50	5	10,0	2	381	762

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	6,3	4,5	1,2
	8,0	1081,7	484,3
	10,0	81,6	55,4
	12,5	60,2	65,8
CA60	5,0	1181,2	206,6
PESO TOTAL			
CA50	606,7		
CA60	206,6		

Vol. de concreto total =14,5 m³
Área de forma total = 231,3 m²

NOTAS – PROJETO DE ESTRUTURAS/FUNDAÇÕES

01 - QUALQUER MODIFICAÇÃO DO PROJETO DEVE SER FEITA MEDIANTE AVALIAÇÃO DOS AUTORES DO PROJETO;

02 - TODOS AS DIMENSÕES EM cm, SALVO REFERÊNCIA EM PLANTA;

03 - CONCRETO Fck=25 MPa PARA BLOCOS DE COROAMENTO, VIGAS, PILARES E LAJES;

04 - Fck = 20 MPa PARA AS FUNDACÕES;

05 - DEVE-SE FAZER CONTROLE TECNOLÓGICO DO CONCRETO UTILIZADO;

06 - RECOBRIMENTO DAS ARMADURAS:
PILARES = 2,5cm
VIGAS = 2,5cm
LAJES = 2,0cm
BLOCOS = 3 cm
ESTACAS = 4 cm

07 - AÇOS: CA-50 e CA-60;

08 - JUNTA DE DILATAÇÃO PREENCHIDA COM SELANTE À BASE DE POLIURETANO EXPANSÍVEL

GOVERNO FEDERAL BRASIL PAÍS RICO É PAÍS SEM POBREZA Ministério da Educação

FNDE Fundo Nacional de Desenvolvimento da Educação

PROINFÂNCIA – ESPAÇO EDUCATIVO INFANTIL

ENDEREÇO:

MUNICÍPIO – UF:

PROPRIETÁRIO: FUNDO NACIONAL DE DESENVOLVIMENTO DA EDUCAÇÃO - FNDE

AUTORES DO PROJETO: RICARDO FIUZA LIMA - CREA:12.848/D-DF
GLAUCYO DE OLIVEIRA SANTOS - CREA:81.887/D-MG

RESPONSÁVEL TÉCNICO:

PROPRIETÁRIO

AUTOR DO PROJETO — CREA-AP-1-CREA-XX

AUTOR DO PROJETO — CREA-AP-2-CREA-XX

RESP. TÉCNICO — CREA

DLFO | CREA | RA

PROJETO TIPO B

PROJETO ESTRUTURAL

COORDENAÇÃO: CGEST - Coordenação Geral de Infra-estrutura

VIGAS COBERTURA - PRANCHA 3

ES

DESENHO | REVISÃO R.02 SET/2008 | ESCALA INDICADA | DATA EMISSÃO 13/03/2008 | PRANCHA 13/28