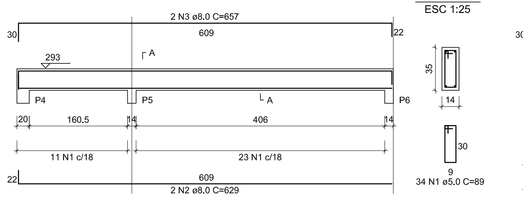
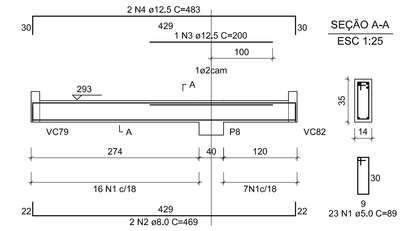
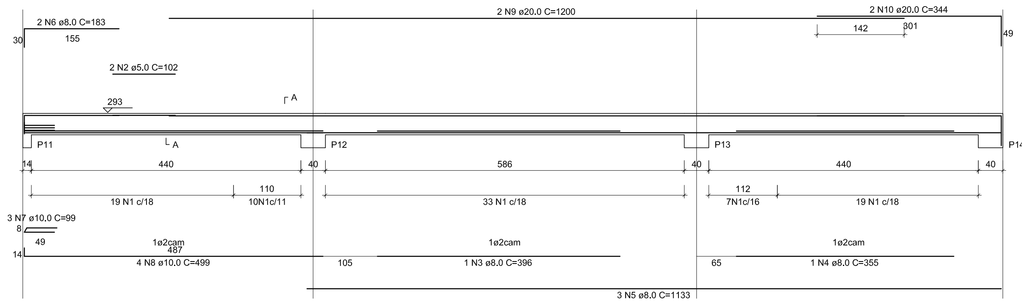
VC1
1:50



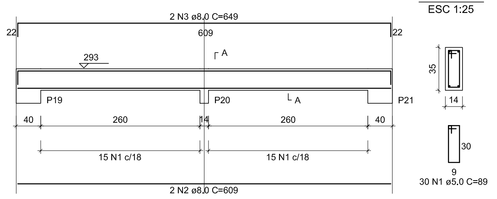
VC2
1:50



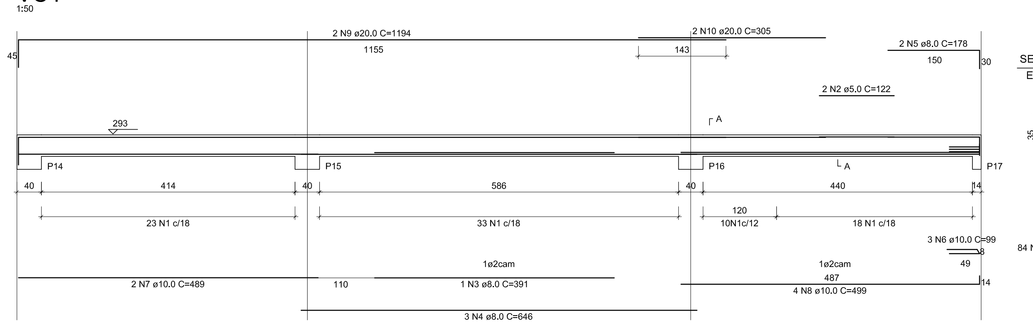
VC3
1:50



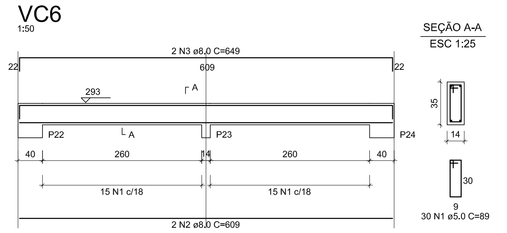
VC5
1:50



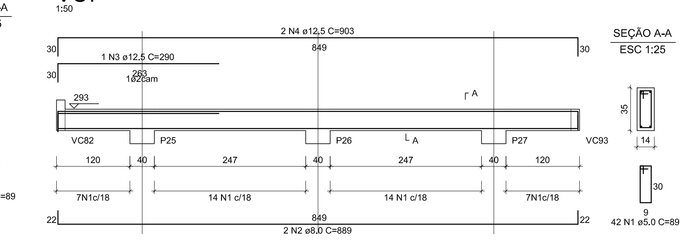
VC4
1:50



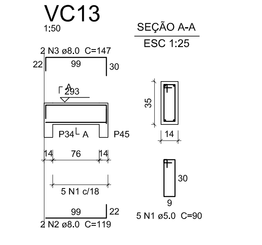
VC6
1:50



VC7
1:50

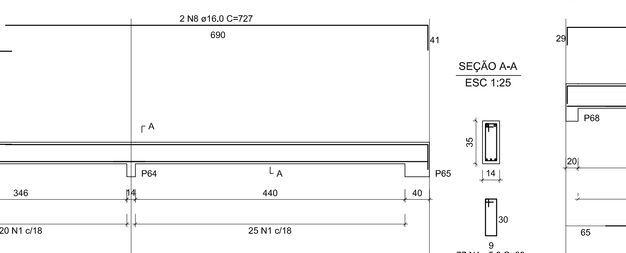


VC13
1:50

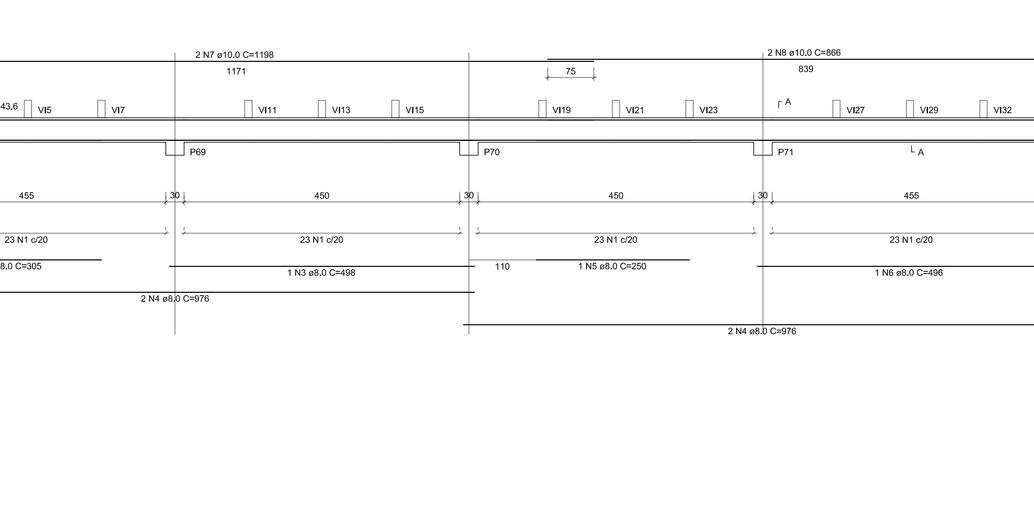


VC8
1:50

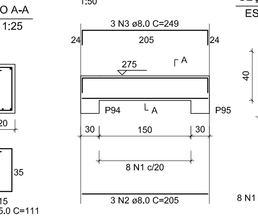
VC9
1:50



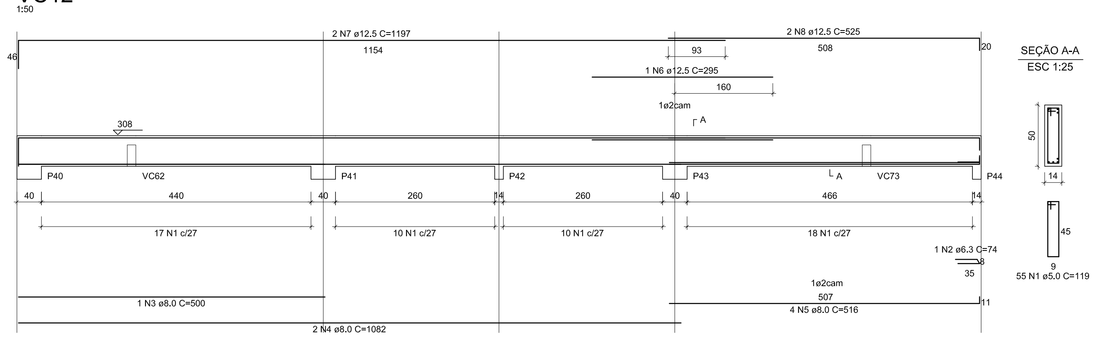
VC11
1:50



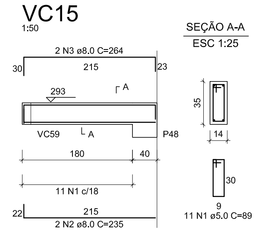
VC14
1:50



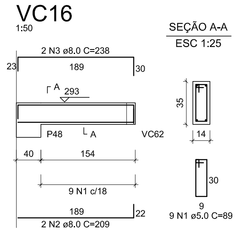
VC12
1:50



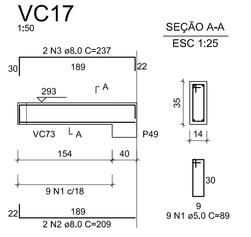
VC15
1:50



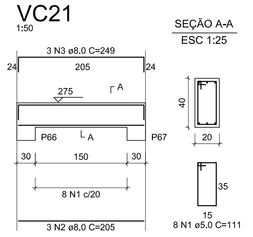
VC16
1:50



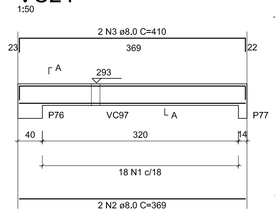
VC17
1:50



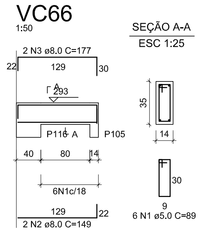
VC21
1:50



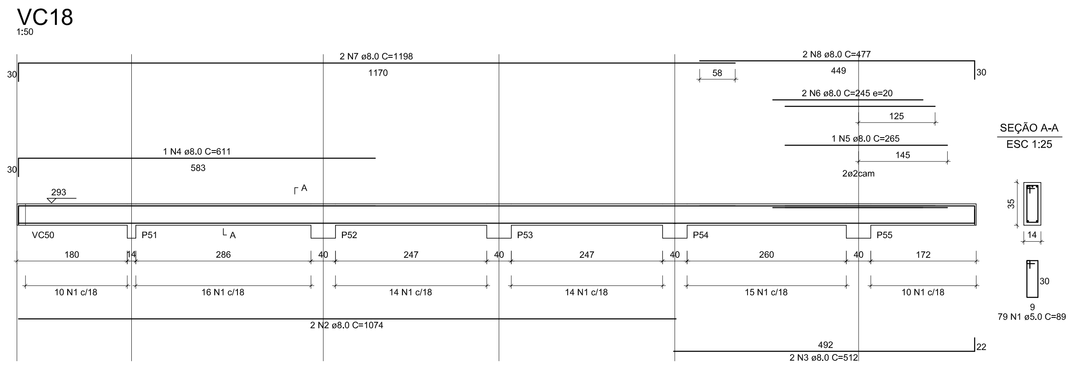
VC24
1:50



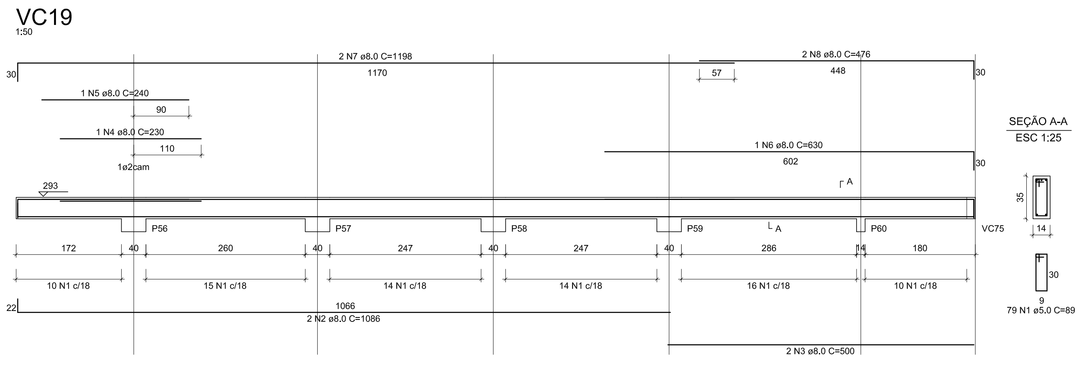
VC66
1:50



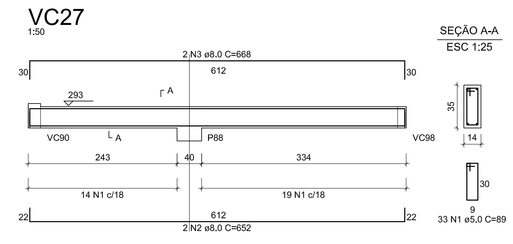
VC18
1:50



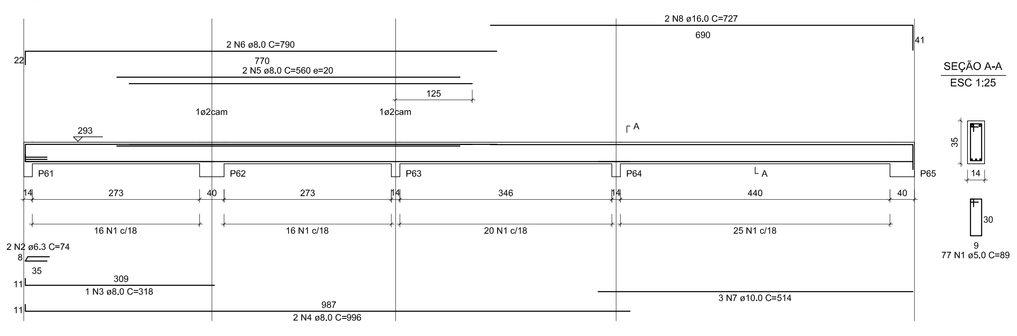
VC19
1:50



VC27
1:50



VC20
1:50



VC22
1:50

VC29
1:50

RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
VC1	60	1	5,0	34	89	3026
	50	2	8,0	2	629	1258
	50	3	8,0	2	657	1314
VC2	60	1	5,0	23	89	2047
	50	2	8,0	2	469	938
	50	3	12,5	1	200	200
	50	4	12,5	2	483	966
VC3	60	1	5,0	88	89	7832
	60	2	5,0	2	102	204
	50	3	8,0	1	396	396
	50	4	8,0	1	355	355
	50	5	8,0	3	1133	3399
	50	6	8,0	2	183	366
	50	7	10,0	3	99	297
	50	8	10,0	4	499	1996
	50	9	20,0	2	1200	2400
	50	10	20,0	2	344	688
VC4	60	1	5,0	84	89	7476
	60	2	5,0	2	122	244
	50	3	8,0	1	391	391
	50	4	8,0	3	646	1938
	50	5	8,0	2	178	356
	50	6	10,0	3	99	297
	50	7	10,0	2	489	978
	50	8	10,0	4	499	1996
	50	9	20,0	4	1194	4776
	50	10	20,0	2	305	610
VC5	60	1	5,0	90	89	8010
	50	2	8,0	2	609	1218
	50	3	8,0	2	649	1298
VC6	60	1	5,0	30	89	2670
	50	2	8,0	2	609	1218
	50	3	8,0	2	649	1298
VC7	60	1	5,0	42	89	3738
	50	2	8,0	2	889	1778
	50	3	12,5	1	290	290
	50	4	12,5	2	903	1806
VC8	60	1	5,0	21	139	2919
	50	2	8,0	3	685	2055
	50	3	10,0	6	632	3792
VC9	60	1	5,0	46	90	4140
	50	2	8,0	2	959	1918
	50	3	8,0	1	150	150
	50	4	8,0	2	987	1974
VC11	60	1	5,0	56	119	6664
	60	2	6,3	1	74	74
	50	3	8,0	2	516	1032
	50	4	8,0	2	1091	2182
	50	5	8,0	1	396	396
	50	6	8,0	2	530	1060
	50	7	8,0	1	300	300
	50	8	8,0	1	310	310
	50	9	8,0	1	340	340
	50	10	8,0	1	370	370
	50	11	8,0	1	181	181
	50	12	8,0	1	682	682
	50	13	8,0	1	687	687
	50	14	8,0	2	1198	2396
	50	15	8,0	2	514	1028
VC12	60	1	5,0	55	119	6545
	60	2	6,3	1	74	74
	50	3	8,0	1	500	500
	50	4	8,0	2	1082	2164
	50	5	8,0	4	516	2064
	50	6	12,5	1	295	295
	50	7	12,5	2	1197	2394
	50	8	12,5	2	525	1050
VC13	60	1	5,0	5	90	450
	50	2	8,0	2	119	238
	50	3	8,0	2	147	294
VC14	60	1	5,0	9	89	801
	50	2	8,0	2	209	418
	50	3	8,0	2	237	474
VC15	60	1	5,0	11	89	979
	50	2	8,0	2	235	470
	50	3	8,0	2	264	528
VC16	60	1	5,0	9	89	801
	50	2	8,0	2	209	418
	50	3	8,0	2	238	476
VC17	60	1	5,0	9	89	801
	50	2	8,0	2	209	418
	50	3	8,0	2	237	474
VC18	60	1	5,0	79	89	7031
	50	2	8,0	2	1074	2148
	50	3	8,0	2	512	1024
	50	4	8,0	1	611	611
	50	5	8,0	1	265	265
	50	6	8,0	2	245	490
	50	7	8,0	2	1198	2396
	50	8	8,0	2	477	954
VC19	60	1	5,0	79	89	7031
	50	2	8,0	2	1066	2172
	50	3	8,0	2	500	1000
	50	4	8,0	1	230	230
	50	5	8,0	1	240	240
	50	6	8,0	1	630	630
	50	7	8,0	2	1198	2396
	50	8	8,0	2	476	952
VC20	60	1	5,0	77	89	6853
	60	2	6,3	2	74	148
	50	3	8,0	1	318	318
	50	4	8,0	2	996	1992
	50	5	8,0	2	560	1120
	50	6	8,0	2	790	1580
	50	7	10,0	3	514	1542
	50	8	16,0	2	727	1454
VC21	60	1	5,0	8	111	888
	50	2	8,0	3	205	615
	50	3	8,0	3	249	747
VC22	60	1	5,0	92	111	10212
	50	2	8,0	1	305	305
	50	3	8,0	1	498	498
	50	4	8,0	4	976	3904
	50	5	8,0	1	250	250
	50	6	8,0	1	496	496
	50	7	10,0	2	1198	2396
	50	8	10,0	2	866	1732
VC24	60	1	5,0	18	89	1602
	50	2	8,0	2	369	738
	50	3	8,0	2	410	820
VC27	60	1	5,0	33	89	2937
	50	2	8,0	2	652	1304
	50	3	8,0	2	668	1336
VC29	60	1	5,0	8	111	888
	50	2	8,0	3	205	615
	50	3	8,0	3	249	747
VC66	60	1	5,0	6	89	534
	50	2	8,0	2	149	298
	50	3	8,0	2	177	354

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	6,3	3,0	0,8
	8,0	713,2	336,1
	10,0	150,3	101,9
	12,5	70,0	74,3
	16,0	14,5	25,3
	20,0	60,9	165,3
CA60	5,0	924,0	156,5
PESO TOTAL			
CA50	703,6		
CA60	156,5		

Vol. de concreto total =11,43 m³
Área de forma total = 184,60 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 FUNDAÇÕES;

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

06 - RECOBRIMENTO DAS ARMADURAS:
PILARES = 2,5cm
VIGAS = 2,5cm
LAJES = 2,5cm
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-CREAXX

AUTOR DO PROJETO — CREA-AP-2-CREAXX

RESP. TÉCNICO — CREA

DLFO

CREA

RA

PROJETO TIPO B

PROJETO ESTRUTURAL

COORDENAÇÃO: CGEST - Coordenação Geral de Infra-estrutura	VIGAS COBERTURA - PRANCHA 1	ES
DESENHO	REVISÃO: R.02 SET/2008 — ESCALA: INDICADA — DATA EMISSÃO: 13/03/2008	PRANCHA: 11/28