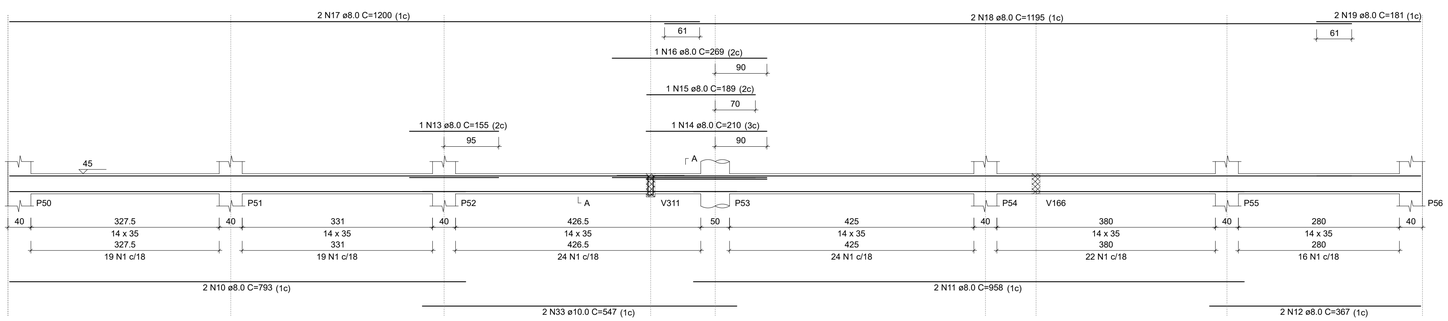
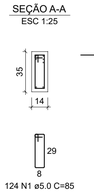
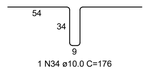
V119
ESC 1:50



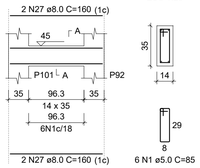
SEÇÃO A-A ESC 1:25



SUSPENSÃO V311 ESC 1:25



V156
ESC 1:50



SEÇÃO A-A ESC 1:25

RELAÇÃO DO AÇO

V119	V139	V140
V141	V142	V143
V144	V145	V146
V147	V148	V156
V157	V158	V165
V166		

RESUMO DO AÇO

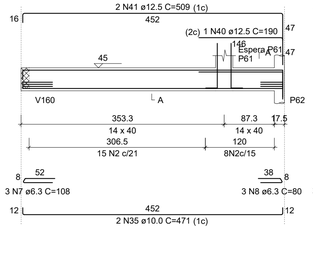
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	384	85	32640
	2	5.0	140	95	13300
	3	5.0	12	73	876
	4	5.0	12	75	900
	5	5.0	12	24	288
	6	5.0	8	23	184
CA50	7	6.3	12	108	1296
	8	6.3	12	80	960
	9	6.3	1	74	74
	10	8.0	2	793	1586
	11	8.0	2	958	1916
	12	8.0	2	367	734
	13	8.0	1	155	155
	14	8.0	1	210	210
	15	8.0	1	189	189
	16	8.0	1	269	269
	17	8.0	2	1200	2400
	18	8.0	2	1195	2390
	19	8.0	2	181	362
	20	8.0	4	774	3096
	21	8.0	1	110	110
	22	8.0	4	783	3132
	23	8.0	2	683	1366
	24	8.0	2	695	1390
	25	8.0	4	773	3092
	26	8.0	4	1067	4268
	27	8.0	4	160	640
	28	8.0	4	313	1252
	29	8.0	4	487	1948
	30	8.0	4	156	624
	31	8.0	2	160	320
	32	8.0	2	180	360
	33	10.0	2	547	1094
	34	10.0	1	176	176
	35	10.0	8	471	3768
	36	10.0	36	96	3456
	37	10.0	3	464	1392
	38	10.0	1	148	148
	39	10.0	2	948	1896
	40	12.5	2	190	380
	41	12.5	4	509	2036
	42	12.5	1	189	189
	43	12.5	2	508	1016
	44	12.5	1	270	270
	45	12.5	2	959	1918
	46	12.5	1	189	189
	47	12.5	2	508	1016

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	23.3	6.3
	8.0	318.1	138.1
	10.0	119.3	80.9
	12.5	70.1	74.3
CA60	5.0	481.9	81.7

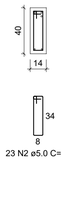
PESO TOTAL (kg)	
CA50	299.6
CA60	81.7

Volume de concreto (C-25) = 5.41 m³
Área de forma = 92.20 m²

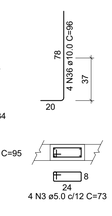
V139
ESC 1:50



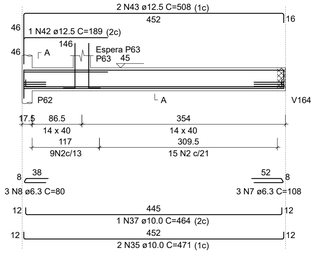
SEÇÃO A-A ESC 1:25



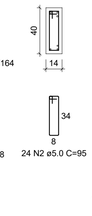
ESPERA P61 ESC 1:25



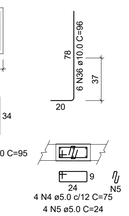
V140
ESC 1:50



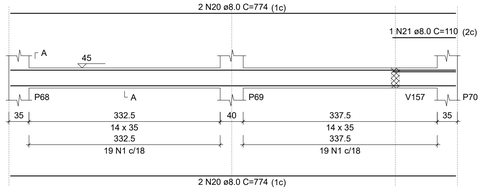
SEÇÃO A-A ESC 1:25



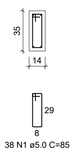
ESPERA P63 ESC 1:25



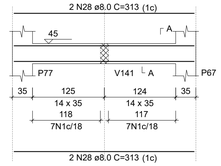
V141
ESC 1:50



SEÇÃO A-A ESC 1:25



V157
ESC 1:50



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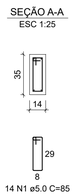
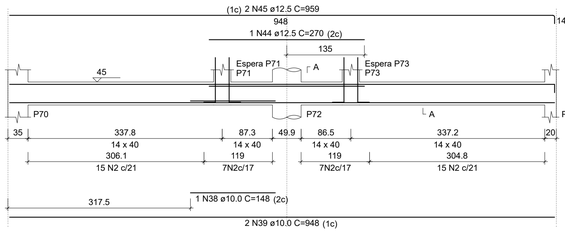
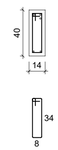


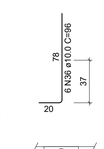
V142
ESC 1:50



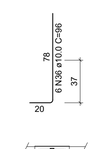
SEÇÃO A-A ESC 1:25



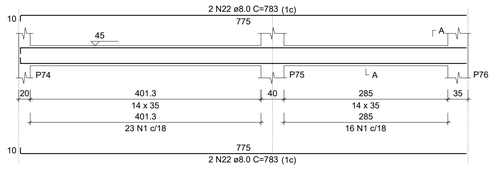
ESPERA P71 ESC 1:25



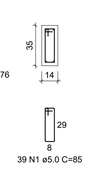
ESPERA P73 ESC 1:25



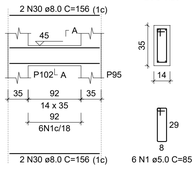
V143
ESC 1:50



SEÇÃO A-A ESC 1:25

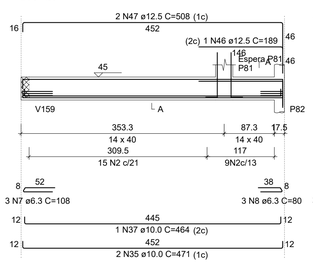


V165
ESC 1:50

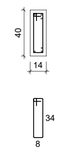


SEÇÃO A-A ESC 1:25

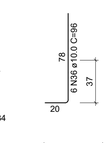
V144
ESC 1:50



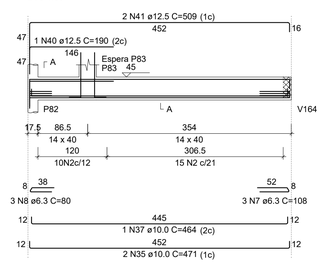
SEÇÃO A-A ESC 1:25



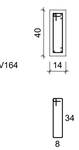
ESPERA P81 ESC 1:25



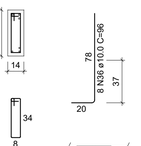
V145
ESC 1:50



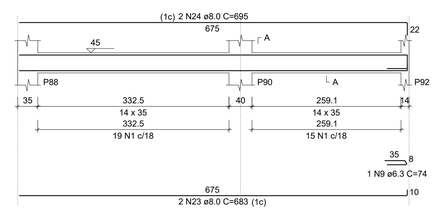
SEÇÃO A-A ESC 1:25



ESPERA P83 ESC 1:25



V146
ESC 1:50



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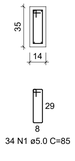
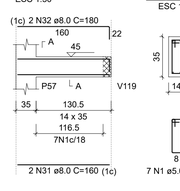
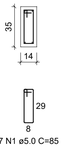


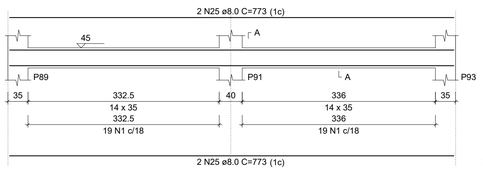
V166
ESC 1:50



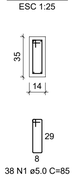
SEÇÃO A-A ESC 1:25



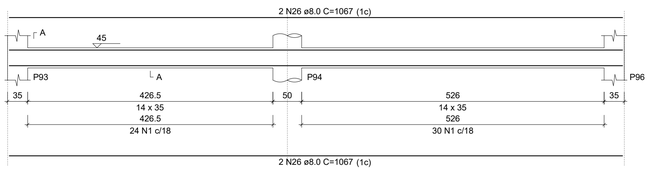
V147
ESC 1:50



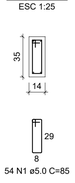
SEÇÃO A-A ESC 1:25



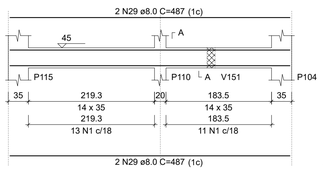
V148
ESC 1:50



SEÇÃO A-A ESC 1:25



V158
ESC 1:50



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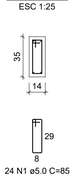

Obs:
01 - Todo espaçamento entre barras deverá ser respeitado;
02 - Cobrimento mínimo para fundações = 3cm / Cobrimento mínimo para demais elementos = 2,5cm;
03 - Todos os elementos de concreto deverão ser adensados de forma mecânizada (mangote), não é admitido adensamento manual;
04 - Prazos para desforma-> Pilares e faces laterais de vigas: 3 dias;
Face inferior de vigas: 14 dias;
Lajes: 21 dias;
Vigas com vãos superiores a 7m: 28 dias;
05 - Em vigas e lajes o processo de desforma deverá ocorrer do centro para as extremidades;
06 - Todas as lajes deverão receber uma armadura de distribuição (para combater fissuração superficial) com espaçamento de 25x25, aço 5.0mm;
07 - Toda laje deverá receber cura hidráulica por no mínimo 07 dias;

Aprovações

REALIZE
ARQUITETURA E ENGENHARIA

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realize_eng@hotmail.com
realize_arq@hotmail.com

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Suéllen M. Costa Palmas
CAU - SC: A69267-0
EMPRESA = CREA - SC 136340-7

Projeto Educacional

Endereço : Rua Antônio Manoel Rocha, Espigão Grande - Maracajá / SC

Projeto Estrutural - Bloco Sul

Vigas - térreo;

Realize Arquitetura e Engenharia
CREA-SC 136.340-4

Prefeitura Municipal de Maracajá
CNPJ nº 82.915.026/0001-24

Escala: Indicada

Data: 10 . 11 . 2021

ÁREA: 513,76m²

Prancha: 3/19