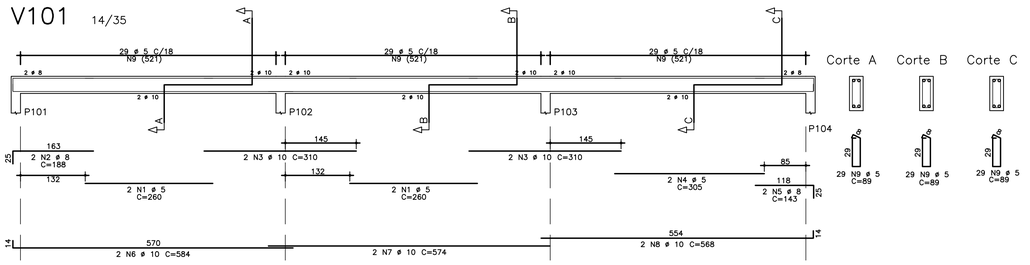
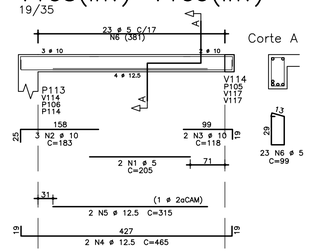
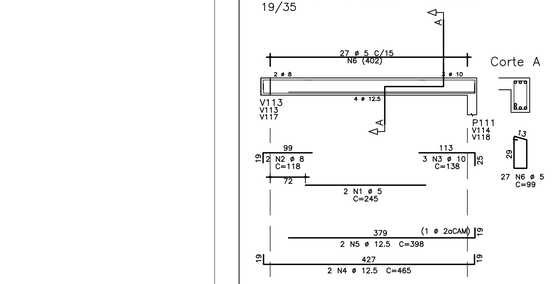
V101 14/35



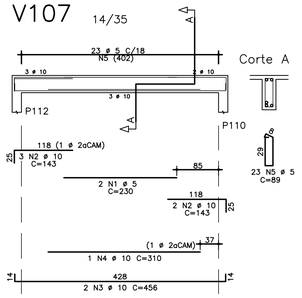
V108=V102(inv)= V103(inv)=V109(inv) 19/35



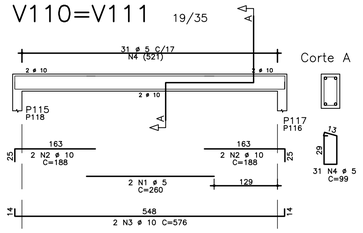
V104=V105=V106 19/35



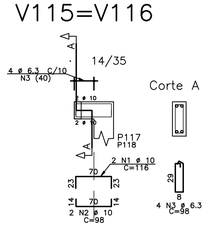
V107 14/35



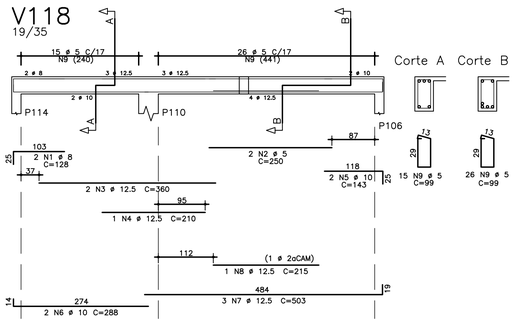
V110=V111 19/35



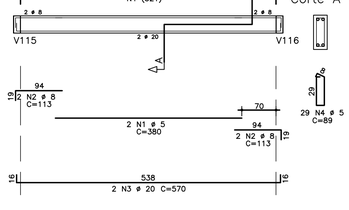
V115=V116 14/35



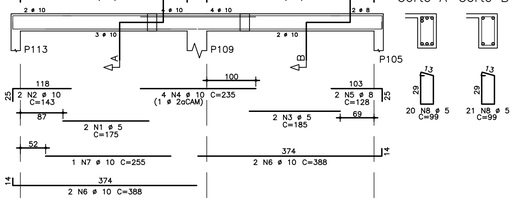
V118 19/35



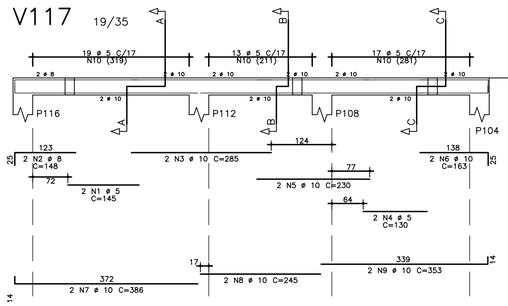
V112 14/35



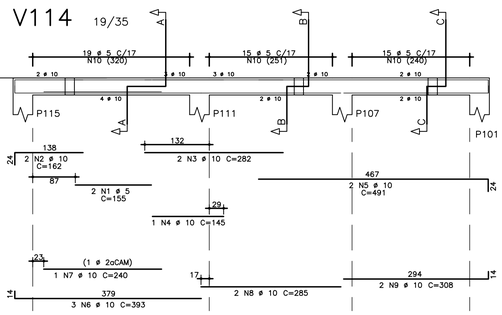
V113 19/35



V117 19/35

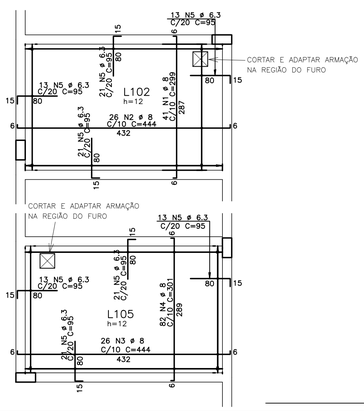


V114 19/35



ARMAÇÃO DAS LAJES MOLDADAS "IN-LOCO"

ESC. 1:50



ACO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
ARMAÇÃO DAS LAJES "IN-LOCO"					
50A	1	8	41	299	12259
50A	2	8	26	444	11544
50A	3	8	26	444	11544
50A	4	8	82	301	24682
50A	5	6.3	136	96	13056
V101					
60B	1	5	4	260	1040
50A	2	8	2	188	376
50A	3	10	4	310	1240
60B	4	5	2	305	610
50A	5	8	2	143	286
50A	6	10	2	585	1170
50A	7	10	2	574	1148
50A	8	10	2	569	1138
60B	9	5	87	89	7743
V106=V104=V105 (X3)					
60B	1	5	6	245	1470
50A	2	8	6	118	708
50A	3	10	9	139	1251
50A	4	12.5	6	465	2790
50A	5	12.5	6	398	2388
60B	6	5	81	99	8019
V107					
60B	1	5	2	230	460
50A	2	10	5	144	720
50A	3	10	2	457	914
50A	4	10	1	310	310
60B	5	5	23	89	2047
V108=V102(inv)=V103(inv)=V109(inv) (X4)					
60B	1	5	8	205	1640
50A	2	10	12	184	2208
50A	3	10	8	119	952
50A	4	12.5	8	465	3720
50A	5	12.5	8	315	2520
60B	6	5	92	99	9108
V110=V111 (X2)					
60B	1	5	4	260	1040
50A	2	10	8	189	1512
50A	3	10	4	577	2308
60B	4	5	62	99	6138
V112					
60B	1	5	2	380	760
50A	2	8	4	113	452
50A	3	20	2	570	1140
60B	4	5	29	89	2581
V113					
60B	1	5	2	175	350
50A	2	10	2	144	288
60B	3	5	2	185	370
50A	4	10	4	235	940
50A	5	8	2	128	256
50A	6	10	4	389	1556
50A	7	10	1	255	255
60B	8	5	41	99	4059
V114					
60B	1	5	2	155	310
50A	2	10	2	163	326
50A	3	10	2	282	564
50A	4	10	1	145	145
50A	5	10	2	492	984
50A	6	10	3	394	1182
50A	7	10	1	240	240
50A	8	10	2	285	570
50A	9	10	2	309	618
60B	10	5	49	99	4851
V115=V116 (X2)					
50A	1	10	4	118	472
50A	2	10	4	99	396
50A	3	6.3	8	98	784
V117					
60B	1	5	2	145	290
50A	2	8	2	148	296
50A	3	10	2	285	570
60B	4	5	2	130	260
50A	5	10	2	230	460
50A	6	10	2	164	328
50A	7	10	2	387	774
50A	8	10	2	245	490
50A	9	10	2	354	708
60B	10	5	41	99	4059
V118					
50A	1	8	2	128	256
60B	2	5	2	250	500
50A	3	12.5	2	360	720
50A	4	12.5	1	210	210
50A	5	10	2	144	288
50A	6	10	2	289	578
50A	7	12.5	3	503	1509
50A	8	12.5	1	215	215
60B	9	5	41	99	4059

RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60B	5	626	96
50A	6.3	138	34
50A	8	627	248
50A	10	276	170
50A	12.5	141	136
50A	20	11	28
Peso Total	60B =		96 kg
Peso Total	50A =		615 kg

FONTE / DADOS DE BASE

CDHU
ENG. FERNANDO AREVALILLO LLATA SUPERINTENDENTE DE PROJETOS
ARQ. ANA MARIA A. COELHO GERENTE
ARQ. LUIZ GUSTAVO DELLA NOCE GESTOR

NCEE
ENG° JOÃO DAMASCENO RESPONSÁVEL TÉCNICO

NOTAS:

1) MEDIDAS EM CENTÍMETROS, NÍVEIS EM METROS
2) NÃO TOMAR MEDIDAS EM ESCALA
3) CONCRETO fck >= 30 MPa
4) AÇO CA 50 e CA 60
5) COBRIMENTO = 3 cm
6) O TIPO E COMPRIMENTO DAS ESTACAS DEVERÁ SER DEFINIDO PARA CADA LOCAL DE IMPLANTAÇÃO APÓS ANÁLISE GEOTÉCNICA POR ENGENHEIRO HABILITADO QUE EMITIRÁ PARECER TÉCNICO DE FUNDAÇÕES.
7) EXECUTAR ESTACAS SOB SUPERVISÃO DE ENGENHEIRO ESPECIALIZADO.

NOTAS:

1) MEDIDAS EM CENTÍMETROS, NÍVEIS EM METROS
2) NÃO TOMAR MEDIDAS EM ESCALA
3) CONCRETO fck >= 30 MPa
4) AÇO CA 50 e CA 60
5) COBRIMENTO = BAIXO = 2,5 cm; VIGAS = 3 cm

Revisões (discriminação)	Nº	Data	Rubrica