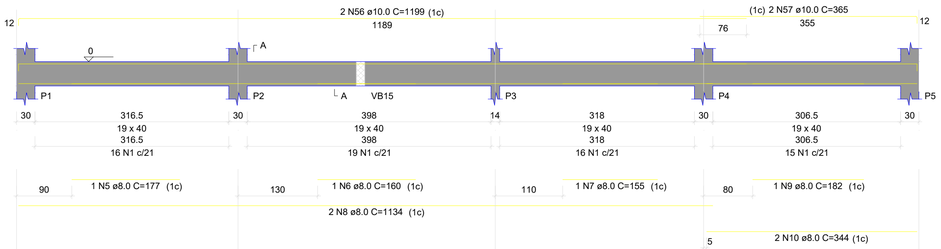
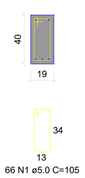
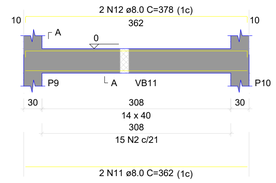
VB1
ESC 1:50



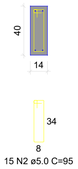
SEÇÃO A-A
ESC 1:25



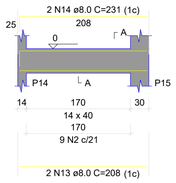
VB2
ESC 1:50



SEÇÃO A-A
ESC 1:25

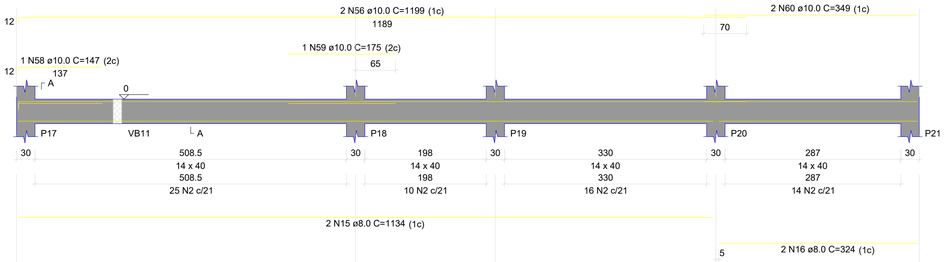


VB3
ESC 1:50

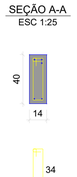


SEÇÃO A-A
ESC 1:25

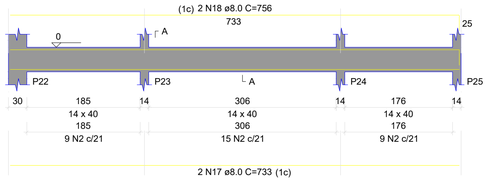
VB4
ESC 1:50



SEÇÃO A-A
ESC 1:25

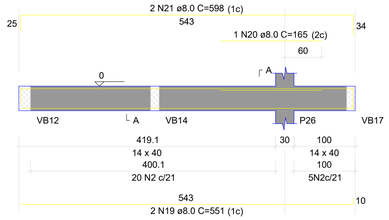


VB5
ESC 1:50



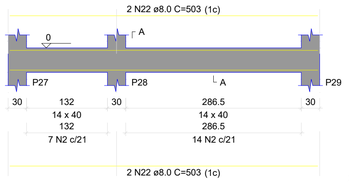
SEÇÃO A-A
ESC 1:25

VB6
ESC 1:50



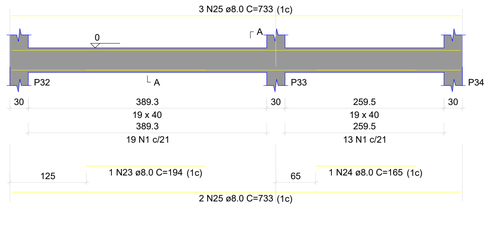
SEÇÃO A-A
ESC 1:25

VB7
ESC 1:50



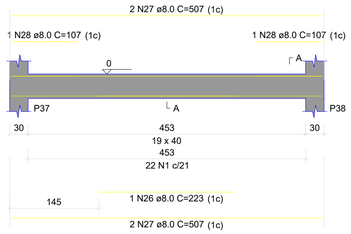
SEÇÃO A-A
ESC 1:25

VB8
ESC 1:50

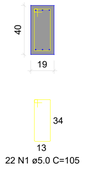


SEÇÃO A-A
ESC 1:25

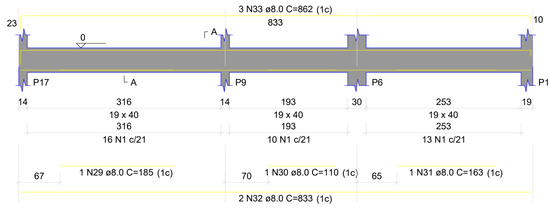
VB9
ESC 1:50



SEÇÃO A-A
ESC 1:25

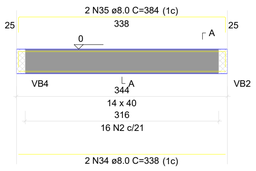


VB10
ESC 1:50



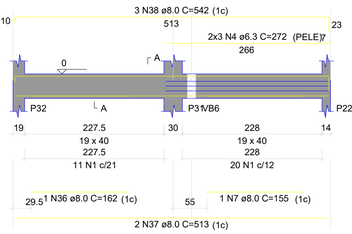
SEÇÃO A-A
ESC 1:25

VB11
ESC 1:50

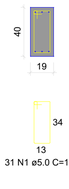


SEÇÃO A-A
ESC 1:25

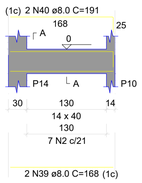
VB12
ESC 1:50



SEÇÃO A-A
ESC 1:25

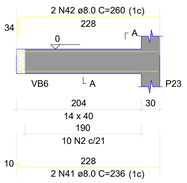


VB13
ESC 1:50



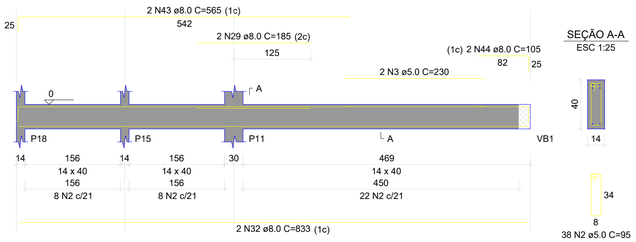
SEÇÃO A-A
ESC 1:25

VB14
ESC 1:50



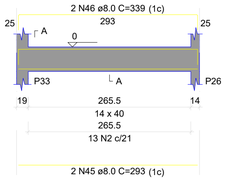
SEÇÃO A-A
ESC 1:25

VB15
ESC 1:50



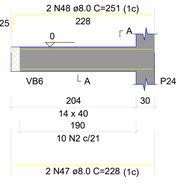
SEÇÃO A-A
ESC 1:25

VB16
ESC 1:50



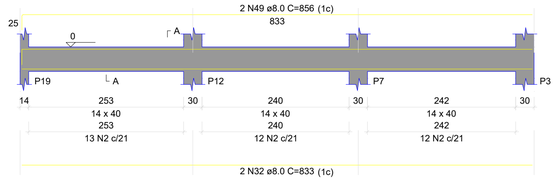
SEÇÃO A-A
ESC 1:25

VB17
ESC 1:50



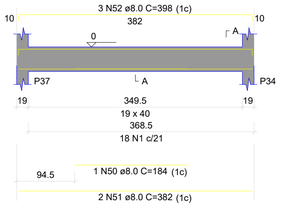
SEÇÃO A-A
ESC 1:25

VB18
ESC 1:50



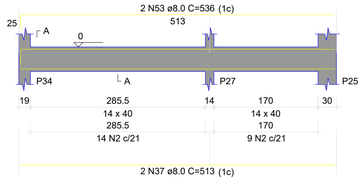
SEÇÃO A-A
ESC 1:25

VB19
ESC 1:50

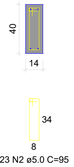


SEÇÃO A-A
ESC 1:25

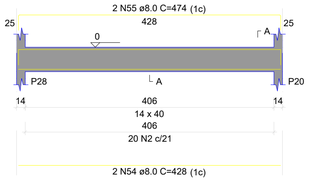
VB20
ESC 1:50



SEÇÃO A-A
ESC 1:25

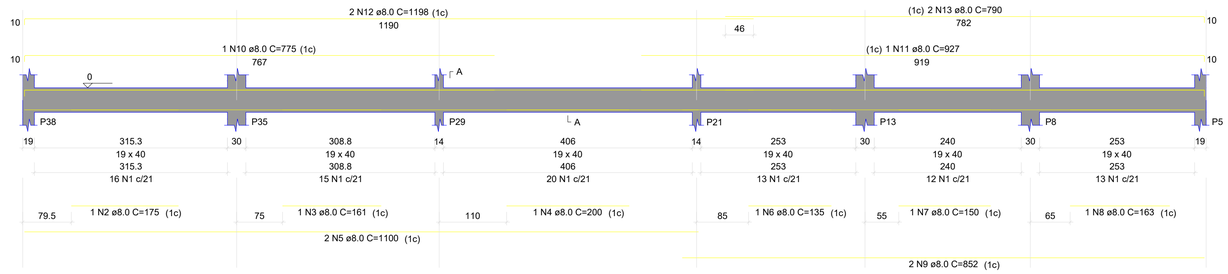


VB21
ESC 1:50



SEÇÃO A-A
ESC 1:25

VB22
ESC 1:50



SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

VB1	VB2	VB3
VB4	VB5	VB6
VB7	VB8	VB9
VB10	VB11	VB12
VB13	VB14	VB15
VB16	VB17	VB18
VB19	VB20	VB21

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	208	105	21840
	2	5.0	342	95	32490
	3	5.0	2	230	460
CA50	4	6.3	6	272	1632
	5	8.0	1	177	177
	6	8.0	1	160	160
	7	8.0	2	155	310
	8	8.0	2	1134	2268
	9	8.0	1	182	182
	10	8.0	2	344	688
	11	8.0	2	362	724
	12	8.0	2	378	756
	13	8.0	2	208	416
	14	8.0	2	231	462
	15	8.0	2	1134	2268
	16	8.0	2	324	648
	17	8.0	2	733	1466
	18	8.0	2	756	1512
	19	8.0	2	551	1102
	20	8.0	1	165	165
	21	8.0	2	598	1196
	22	8.0	4	503	2012
	23	8.0	1	194	194
	24	8.0	1	165	165
	25	8.0	5	733	3665
	26	8.0	1	223	223
	27	8.0	4	507	2028
	28	8.0	2	107	214
	29	8.0	3	185	555
	30	8.0	1	110	110
	31	8.0	1	163	163
	32	8.0	6	833	4998
	33	8.0	3	862	2586
	34	8.0	2	338	676
	35	8.0	2	384	768
	36	8.0	1	162	162
	37	8.0	4	513	2052
	38	8.0	3	542	1626
	39	8.0	2	168	336
	40	8.0	2	191	382
	41	8.0	2	236	472
	42	8.0	2	260	520
	43	8.0	2	565	1130
	44	8.0	2	105	210
	45	8.0	2	293	586
	46	8.0	2	339	678
	47	8.0	2	228	456
	48	8.0	2	251	502
	49	8.0	2	856	1712
	50	8.0	1	184	184
	51	8.0	2	382	764
	52	8.0	3	398	1194
	53	8.0	2	536	1072
	54	8.0	2	428	856
	55	8.0	2	474	948
	56	10.0	4	1199	4796
	57	10.0	2	365	730
	58	10.0	1	147	147
	59	10.0	1	175	175
	60	10.0	2	349	698

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	16.3	4.4
	8.0	487	211.4
	10.0	65.5	44.4
CA60	5.0	547.9	92.9

PESO TOTAL (kg)	
CA50	260.2
CA60	92.9

Volume de concreto (C-25) = 6.94 m³
Área de forma = 104.92 m²

RELAÇÃO DO AÇO

V22

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	89	105	9345
CA50	2	8.0	1	175	175
	3	8.0	1	161	161
	4	8.0	1	200	200
	5	8.0	2	1100	2200
	6	8.0	1	135	135
	7	8.0	1	150	150
	8	8.0	1	163	163
	9	8.0	2	852	1704
	10	8.0	1	775	775
	11	8.0	1	927	927
	12	8.0	2	1198	2396
	13	8.0	2	790	1580

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	105.7	45.9
CA60	5.0	93.5	15.8

PESO TOTAL (kg)	
CA50	45.9
CA60	15.8

Volume de concreto (C-25) = 1.42 m³
Área de forma = 18.47 m²

ERIC DOUGLAS TEODORO DE SOUZA
ENGENHEIRO CIVIL
CREA 5070839806

CONSTRUÇÃO - COZINHA PILOTO DE RIBEIRÃO CORRENTE

ESTRUTURAL - VIGAS BALDRAME