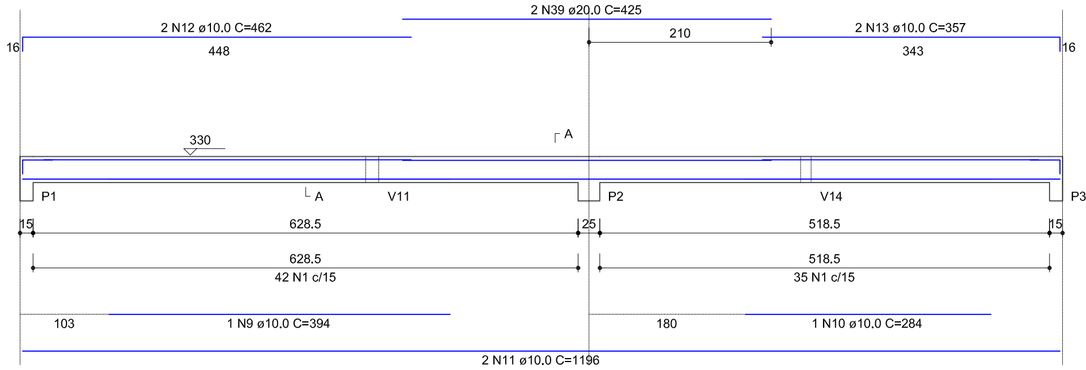
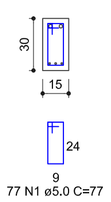
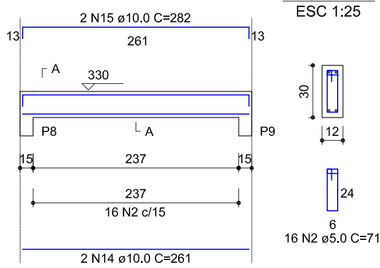
V1
1:50



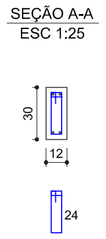
SEÇÃO A-A
ESC 1:25



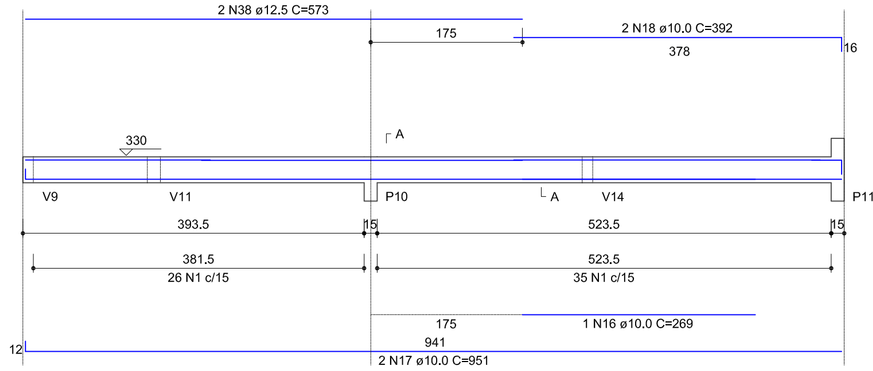
V2
1:50



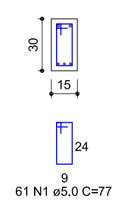
SEÇÃO A-A
ESC 1:25



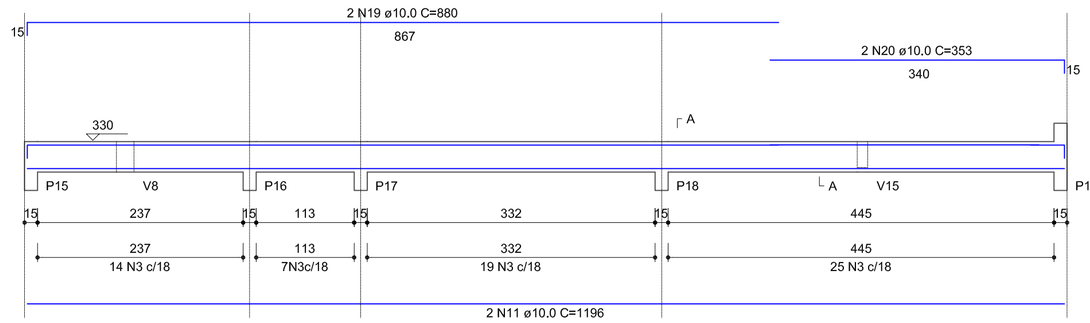
V3
1:50



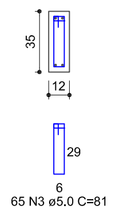
SEÇÃO A-A
ESC 1:25



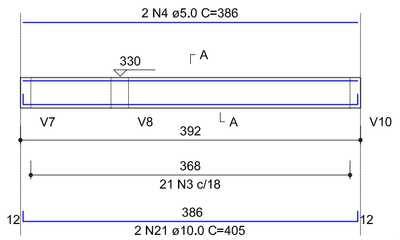
V4
1:50



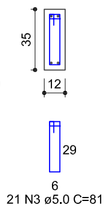
SEÇÃO A-A
ESC 1:25



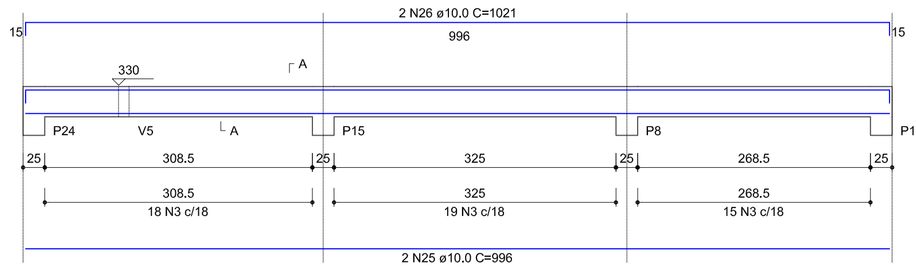
V5
1:50



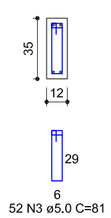
SEÇÃO A-A
ESC 1:25



V7
1:50

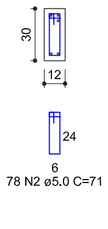


SEÇÃO A-A
ESC 1:25



V6
1:50

SEÇÃO A-A
ESC 1:25

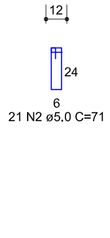


V8
1:50

SEÇÃO A-A
ESC 1:25

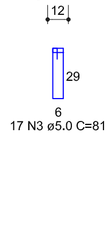
V9
1:50

SEÇÃO A-A
ESC 1:25

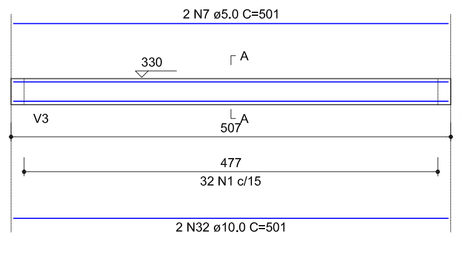


V10
1:50

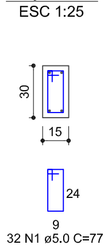
SEÇÃO A-A
ESC 1:25



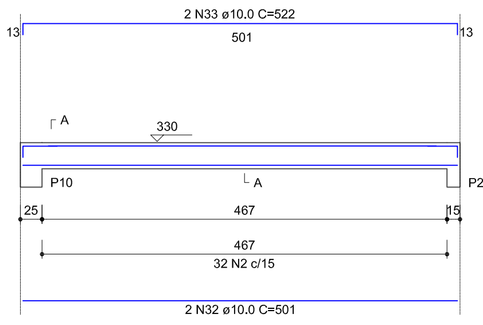
V11
1:50



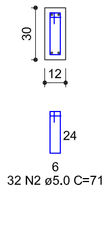
SEÇÃO A-A
ESC 1:25



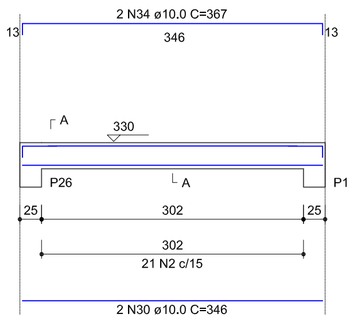
V12
1:50



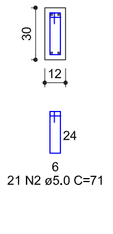
SEÇÃO A-A
ESC 1:25



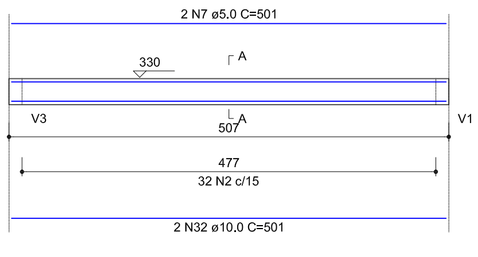
V13
1:50



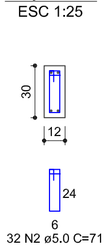
SEÇÃO A-A
ESC 1:25



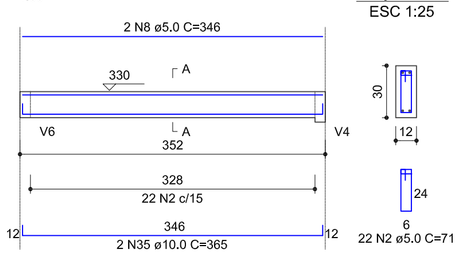
V14
1:50



SEÇÃO A-A
ESC 1:25

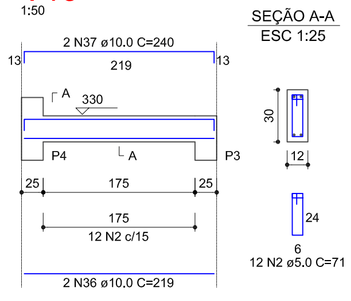


V15
1:50



SEÇÃO A-A
ESC 1:25

V16
1:50



SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

V1 V2 V3
V4 V5 V6
V7 V8 V9
V10 V11 V12
V13 V14 V15
V16

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	5,0	170	77	13090
	2	5,0	234	71	16614
	3	5,0	155	81	12555
	4	5,0	2	386	772
	5	5,0	13	97	1261
	6	5,0	2	236	472
	7	5,0	4	501	2004
	8	5,0	2	346	692
50	9	10,0	1	394	394
	10	10,0	1	284	284
	11	10,0	6	1196	7176
	12	10,0	2	462	924
	13	10,0	2	357	714
	14	10,0	2	261	522
	15	10,0	2	282	564
	16	10,0	1	269	269
	17	10,0	2	951	1902
	18	10,0	2	392	784
	19	10,0	2	880	1760
	20	10,0	2	353	706
	21	10,0	2	405	810
	22	10,0	2	913	1826
	23	10,0	1	180	180
	24	10,0	2	316	632
	25	10,0	2	996	1992
	26	10,0	2	1021	2042
	27	10,0	2	255	510
	28	10,0	2	356	712
	29	10,0	2	377	754
	30	10,0	4	346	1384
	31	10,0	2	371	742
	32	10,0	6	501	3006
	33	10,0	2	522	1044
	34	10,0	2	367	734
	35	10,0	2	365	730
	36	10,0	2	219	438
	37	10,0	2	240	480
	38	12,5	2	573	1146
	39	20,0	2	425	850

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	10,0	340,2	230,8
	12,5	11,5	12,2
	20,0	8,5	23,1
CA60	5,0	477,4	80,9

PESO TOTAL	
CA50	266,0
CA60	80,9

Vol. de concreto total (C-25) =3,96 m³
Área de forma total = 73,44 m²

Projeto: ESTRUTURAL		Prancha: 07/09
Obra: CRAS - SÃO CRISTÓVÃO DO SUL		
Localização: Rua Anderson M. Portela s/n		
Referência: VIGAS COBERTURA 01	Área: 239,20m²	
	Data: 18/05/2011	
	Escala: indicada	
	Desenho: Talse	
Responsável Técnico: Eng. civil Talse Teodozio	Proprietário: SÃO CRISTÓVÃO DO SUL	

meta planejamento urbano
meta assessoria e planejamento