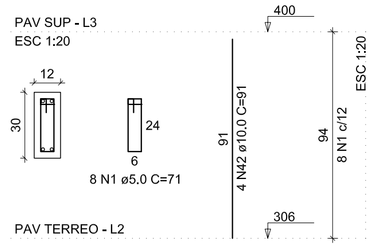
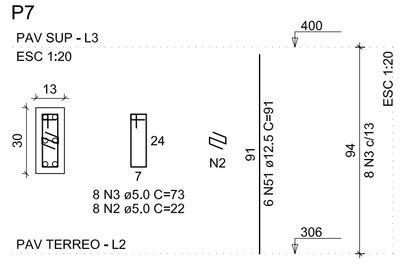
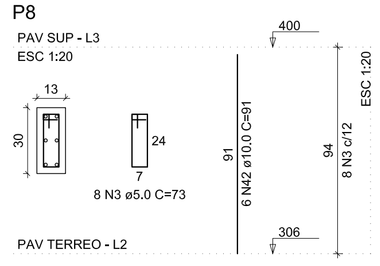
P2=P3=P4=P23



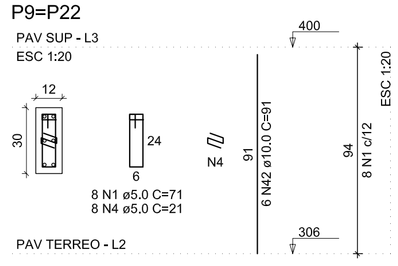
P7



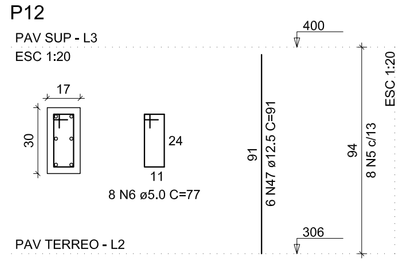
P8



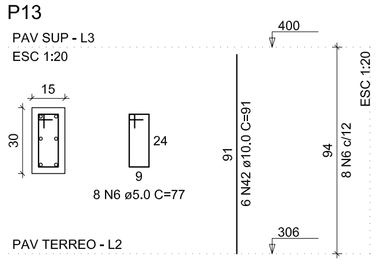
P9=P22



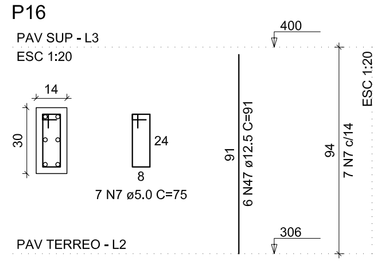
P12



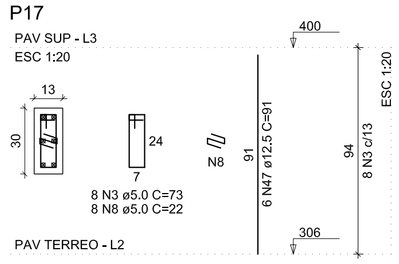
P13



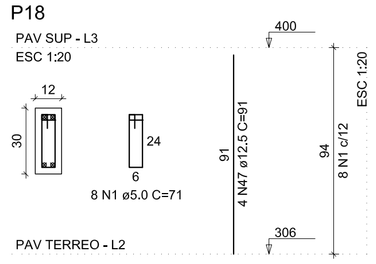
P16



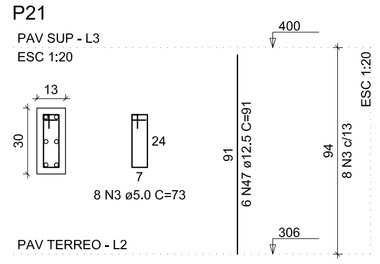
P17



P18

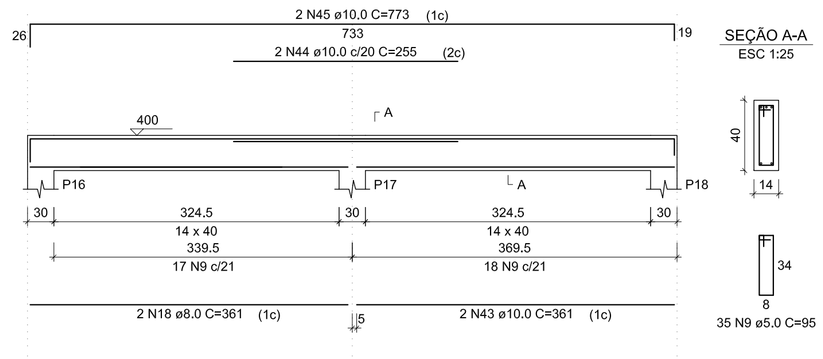


P21



V3

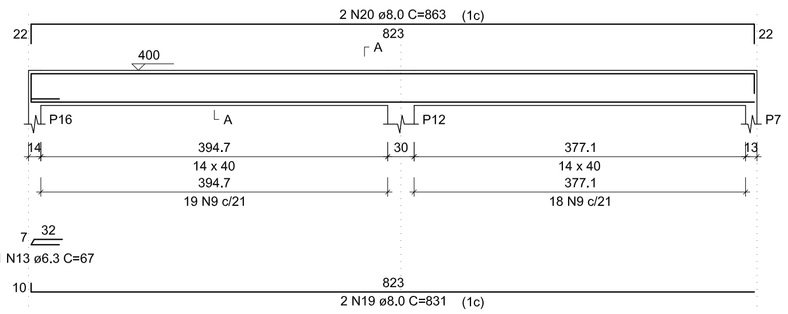
ESC 1:50



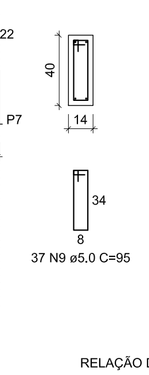
SEÇÃO A-A
ESC 1:25

V4

ESC 1:50

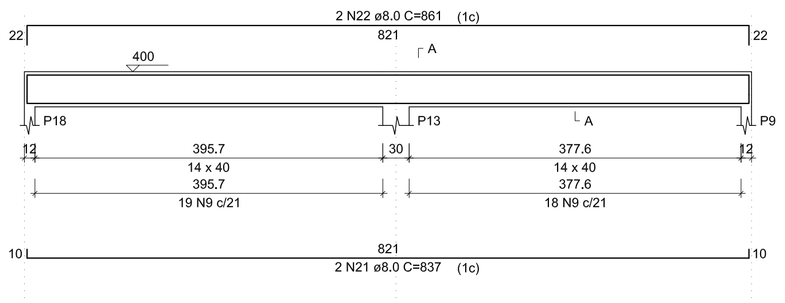


SEÇÃO A-A
ESC 1:25

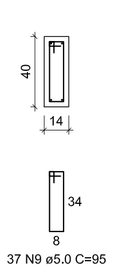


V5

ESC 1:50

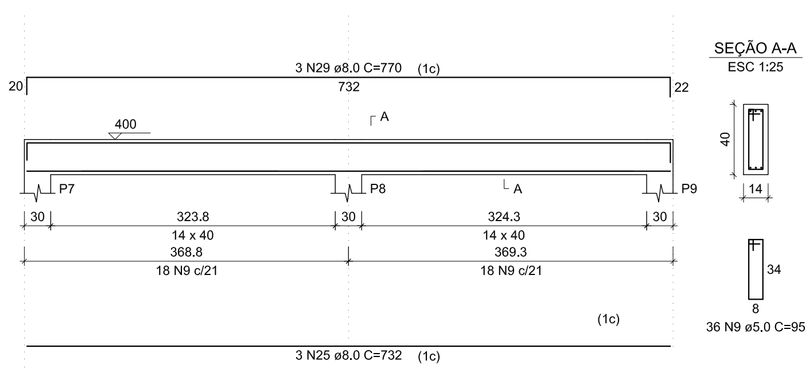


SEÇÃO A-A
ESC 1:25



V6

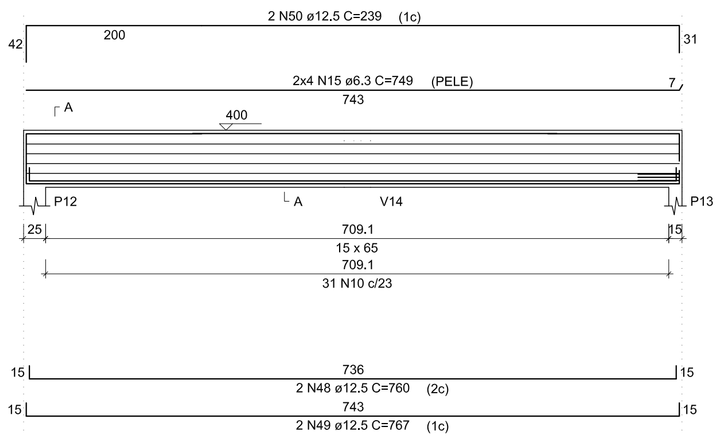
ESC 1:50



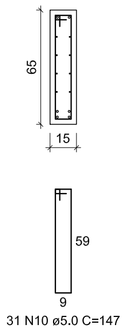
SEÇÃO A-A
ESC 1:25

V7

ESC 1:50



SEÇÃO A-A
ESC 1:25



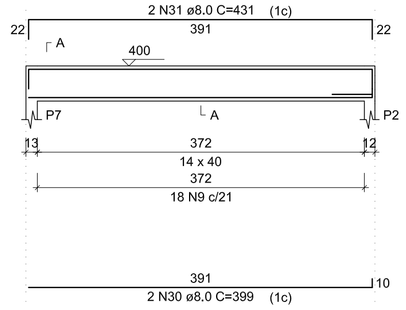
RELAÇÃO DO AÇO

4xP2	P7	P8
2xP9	P12	P13
P16	P17	P18
P21	V3	V4
V5	V6	V7
V8	V9	V10
V11	V12	V13

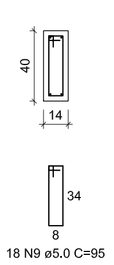
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	56	71	3976
	2	5.0	8	22	176
	3	5.0	32	73	2336
	4	5.0	16	21	336
	5	5.0	8	97	776
	6	5.0	8	77	616
	7	5.0	7	75	525
	8	5.0	8	22	176
	9	5.0	301	95	28595
	10	5.0	31	147	4557
	11	5.0	2	414	828
	12	5.0	2	258	516
CA50	13	6.3	1	67	67
	14	6.3	9	93	837
	15	6.3	8	749	5992
	16	6.3	3	98	294
	17	8.0	1	229	229
	18	8.0	2	361	722
	19	8.0	2	831	1662
	20	8.0	2	863	1726
	21	8.0	2	837	1674
	22	8.0	2	861	1722
	23	8.0	1	224	224
	24	8.0	1	239	239
	25	8.0	2	732	1464
	26	8.0	2	230	460
	27	8.0	1	290	290
	28	8.0	1	534	534
	29	8.0	2	770	1540
	30	8.0	2	399	798
	31	8.0	2	431	862
	32	8.0	4	733	2932
	33	8.0	4	773	3092
	34	8.0	2	407	814
	35	8.0	2	431	862
	36	8.0	2	505	1010
	37	8.0	2	545	1090
	38	8.0	1	140	140
	39	8.0	2	520	1040
	40	8.0	2	133	266
	41	8.0	2	173	346
	42	10.0	48	91	4368
	43	10.0	2	361	722
	44	10.0	2	255	510
	45	10.0	2	773	1546
	46	10.0	2	179	358
	47	12.5	46	91	4186
	48	12.5	2	760	1520
	49	12.5	2	767	1534
	50	12.5	2	239	478
	51	16.0	6	91	546

V8

ESC 1:50

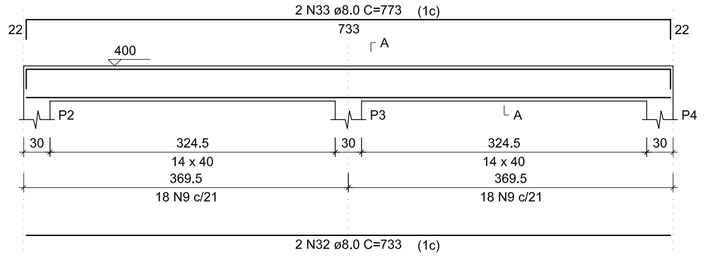


SEÇÃO A-A
ESC 1:25

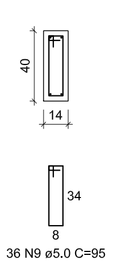


V9

ESC 1:50

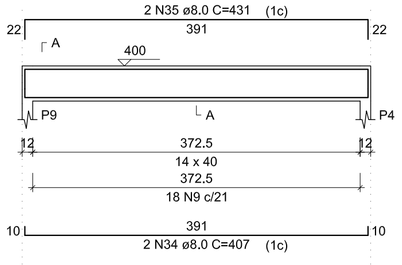


SEÇÃO A-A
ESC 1:25

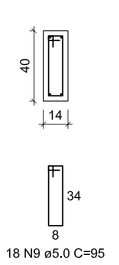


V10

ESC 1:50

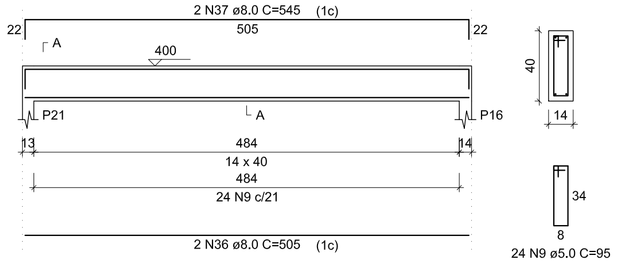


SEÇÃO A-A
ESC 1:25



V11

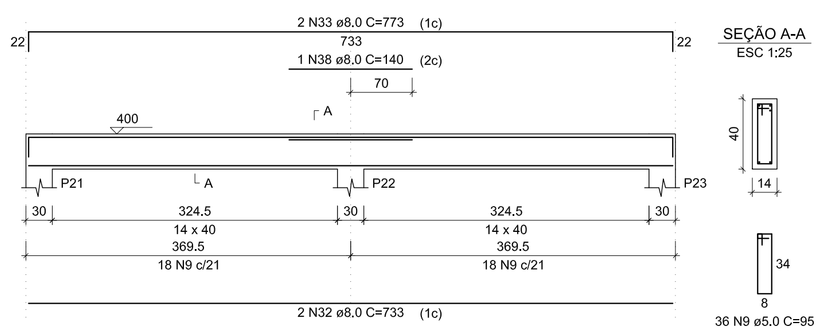
ESC 1:50



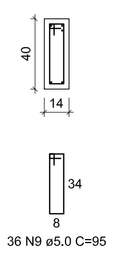
SEÇÃO A-A
ESC 1:25

V12

ESC 1:50

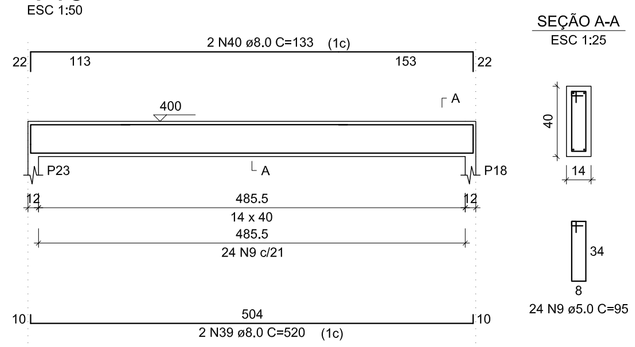


SEÇÃO A-A
ESC 1:25

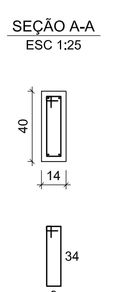


V13

ESC 1:50



SEÇÃO A-A
ESC 1:25



RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	71.9	19.4
	8.0	257.4	111.7
	10.0	75	50.9
	12.5	77.2	81.8
	16.0	5.5	9.5
CA60	5.0	434.1	73.6
PESO TOTAL (kg)			
CA50	273.2		
CA60	73.6		

Volume de concreto (C-30) = 4.86 m³
Área de forma = 82.73 m²

C:\OBRAS\Macaiba\OBRAS\Infra - Estrutura 2021\Macaiba_cabeçalho.jpg

SECRETARIA MUNICIPAL DE INFRAESTRUTURA

SETOR DE ENGENHARIA

SETOR: ENGENHARIA
Nº DO PROC.:
PAG.:
ASS.:
MAT.:

RUA: Dr. PEDRO MATOS Nº 310 - CENTRO - MACAÍBA/RN
CEP: 59.280-000 FONE: 84 3271 - 6629
E-MAIL: engenharia@macaiba.rn.gov.br

EMPREENDIMENTO:
CENTRO DE OPERAÇÕES INTEGRADA - COI

ENDEREÇO:
AV. MÔNICA DANTAS, Nº 34, CENTRO, MACAÍBA/RN

CONTEÚDO:
DET VIGAS PAV. TERREO - 4,00

TÍTULO:
PROJETO ESTRUTURAL

PRANCHA
8/10

PROJETO:
Alzey Gomes Ferreira
CREA/RN 2112427741

ESCALA:
INDICADAS

DIGITALIZAÇÃO:
Alzey Gomes Ferreira

DATA:
Agosto/2021