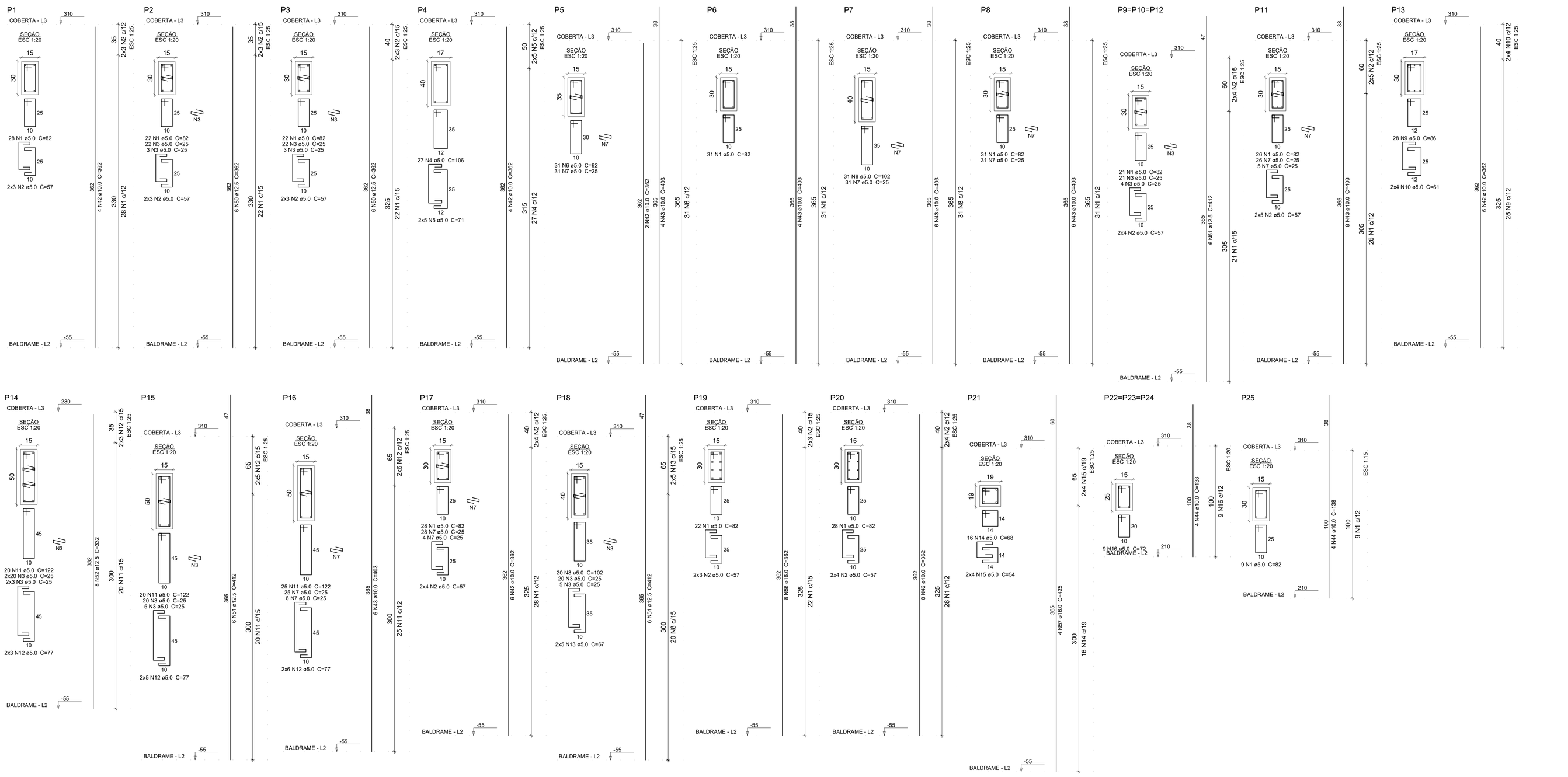


Relação do aço

P1	P2	P3
P4	P5	P6
P7	P8	3xP9
P11	P13	P14
P15	P16	P17
P18	P19	P20
P21	3xP22	P25
V1	V2	V3
V4	V5	V6
V7	V8	V9
V10		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	310	82	25420
	2	5.0	74	57	4218
	3	5.0	221	25	5525
	4	5.0	27	106	2862
	5	5.0	10	71	710
	6	5.0	196	92	18032
	7	5.0	191	25	4775
	8	5.0	144	102	14688
	9	5.0	28	86	2408
	10	5.0	8	61	488
	11	5.0	69	122	8418
	12	5.0	28	77	2156
	13	5.0	10	67	670
	14	5.0	16	68	1088
	15	5.0	8	54	432
	16	5.0	27	72	1944
	17	5.0	10	275	2750
	18	5.0	42	152	6384
	19	5.0	27	98	2646
	20	5.0	2	235	470
	21	5.0	20	86	1720
CA50	22	6.3	1	109	109
	23	6.3	1	77	77
	24	6.3	2	412	824
	25	6.3	4	118	472
	26	8.0	2	986	1972
	27	8.0	2	1030	2060
	28	8.0	3	198	594
	29	8.0	2	866	1732
	30	8.0	2	860	1720
	31	8.0	2	541	1082
	32	8.0	1	400	400
	33	8.0	1	199	199
	34	8.0	2	876	1752
	35	8.0	2	411	822
	36	8.0	2	449	898
	37	8.0	2	481	962
	38	8.0	1	175	175
	39	8.0	2	527	1054
	40	8.0	2	881	1762
	41	8.0	2	925	1850
	42	10.0	30	362	10860
	43	10.0	34	403	13702
	44	10.0	16	138	2208
	45	10.0	3	140	420
	46	10.0	2	388	776
	47	10.0	6	96	576
	48	10.0	3	280	840
	49	10.0	3	340	1020
	50	12.5	12	362	4344
	51	12.5	30	412	12360
	52	12.5	8	332	2656
	53	12.5	1	138	138
	54	12.5	2	524	1048
	55	12.5	2	597	1194
	56	16.0	8	362	2896
	57	16.0	4	425	1700

Resumo do aço

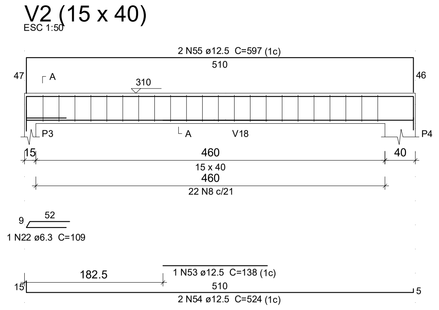
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	PESO + 10 % (kg)
CA50	6.3	14.9	2	4
	8.0	190.4	18	82.6
	10.0	304.1	28	206.2
	12.5	217.4	20	230.4
	16.0	46	5	79.8
CA60	5.0	1078.1	-	182.8

PESO TOTAL (kg)	
CA50	603
CA60	182.8

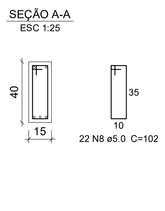
Volume de concreto (C-25) = 7.46 m³
Área de forma = 131.72 m²

V2 (15 x 40)

ESC 1:50

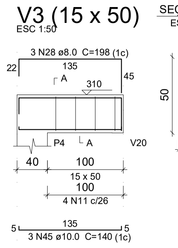


SEÇÃO A-A
ESC 1:25

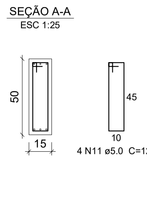


V3 (15 x 50)

ESC 1:50

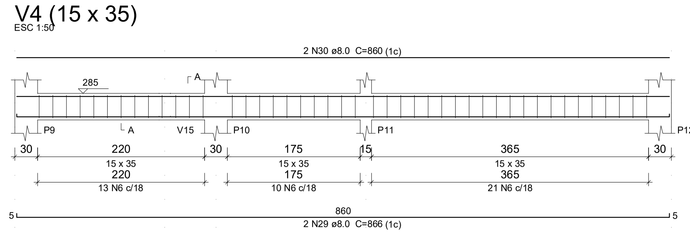


SEÇÃO A-A
ESC 1:25

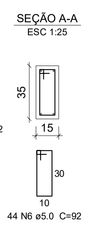


V4 (15 x 35)

ESC 1:50

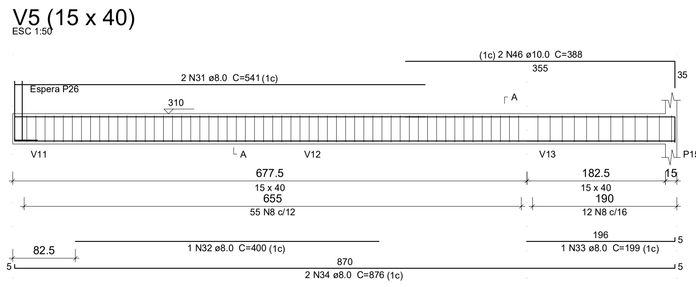


SEÇÃO A-A
ESC 1:25

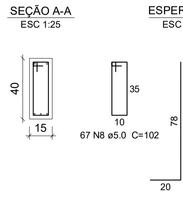


V5 (15 x 40)

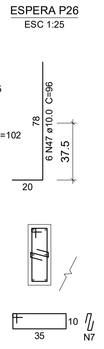
ESC 1:50



SEÇÃO A-A
ESC 1:25

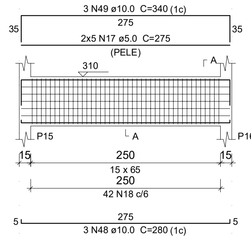


ESPERA P26
ESC 1:25

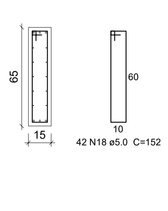


V6 (15 x 65)

ESC 1:50

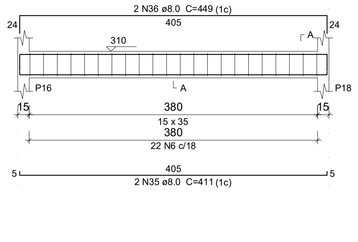


SEÇÃO A-A
ESC 1:25

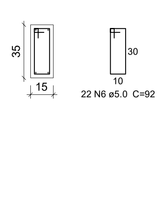


V7 (15 x 35)

ESC 1:50

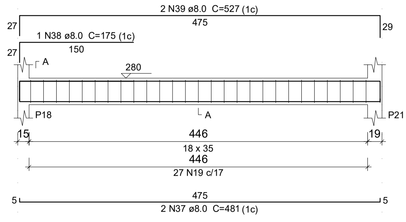


SEÇÃO A-A
ESC 1:25

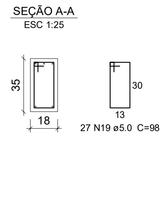


V8 (18 x 35)

ESC 1:50

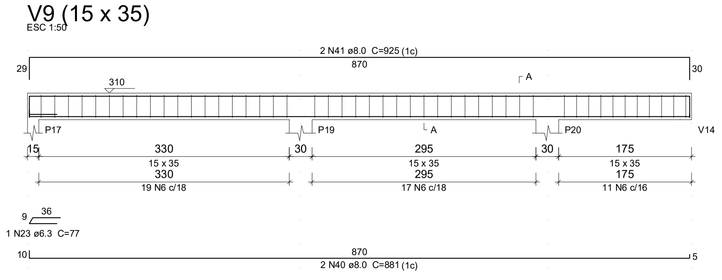


SEÇÃO A-A
ESC 1:25

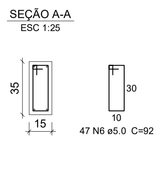


V9 (15 x 35)

ESC 1:50

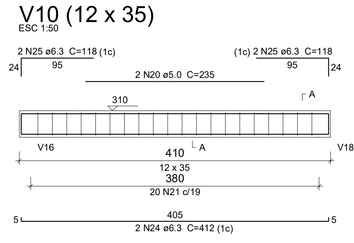


SEÇÃO A-A
ESC 1:25

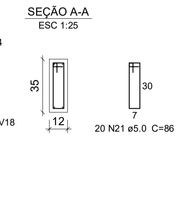


V10 (12 x 35)

ESC 1:50

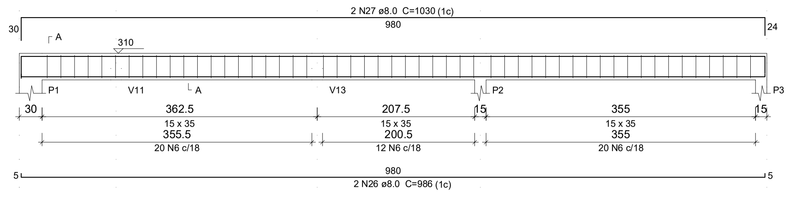


SEÇÃO A-A
ESC 1:25

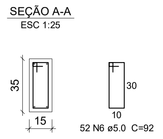


V1 (15 x 35)

ESC 1:50



SEÇÃO A-A
ESC 1:25



PROPRIETÁRIO	CREA-PB
PROJETISTA	GERALDO RIBEIRO
RESPONSÁVEL TÉCNICO	

FOLHA 01/03	PROJETO ESTRUTURAL DO CREA -PB EM ITAPORANGA PROPRIETÁRIO CREA - PB LOCAL R. JOÃO SILVINO DA FONSECA, Q. 16, LT. 04 - ITAPORANGA - PB	PROJETISTA
ESCALA 1/50	PAVIMENTO COBERTA ATUAL VIGAS E PILARES	ENGENHEIRO Geraldo Ribeiro da Silva CREA 328D