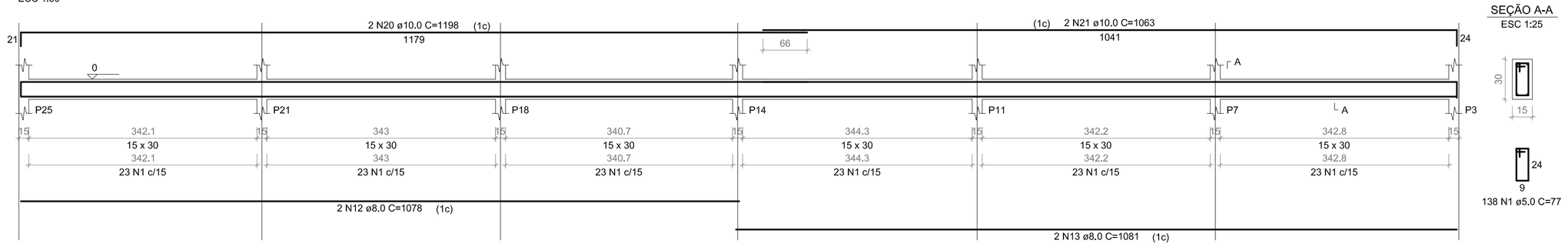
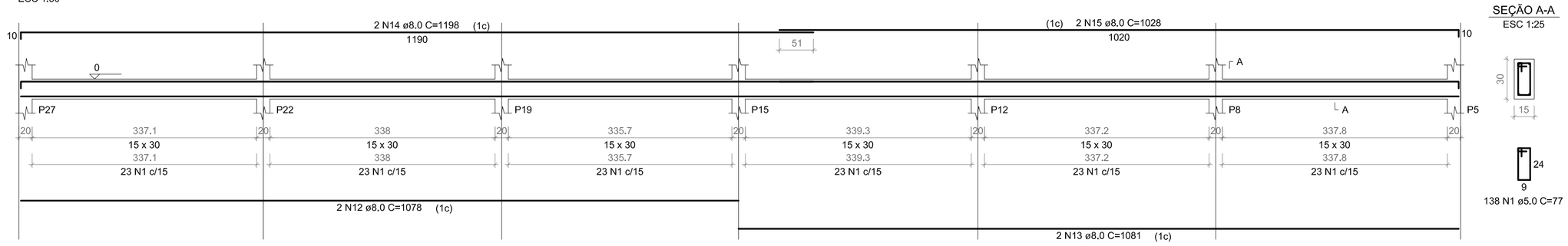
V8
ESC 1:50



SEÇÃO A-A
ESC 1:25

138 N1 ø5.0 C=77

V9
ESC 1:50



SEÇÃO A-A
ESC 1:25

138 N1 ø5.0 C=77

RELAÇÃO DO AÇO

V1 V2 V3
V4 V5 V6
V7 V8 V9

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	778	77	59906
	2	5.0	4	325	1300
	3	5.0	4	305	1220
CA50	4	8.0	8	824	6592
	5	8.0	4	652	2608
	6	8.0	4	662	2648
	7	8.0	2	1086	2172
	8	8.0	2	1089	2178
	9	8.0	2	130	260
	10	8.0	2	1198	2396
	11	8.0	2	1056	2112
	12	8.0	4	1078	4312
	13	8.0	4	1081	4324
	14	8.0	2	1198	2396
	15	8.0	2	1028	2056
	16	10.0	8	843	6744
	17	10.0	4	192	768
	18	10.0	4	360	1440
	19	10.0	4	192	768
	20	10.0	2	1198	2396
	21	10.0	2	1063	2126

RESUMO DO AÇO

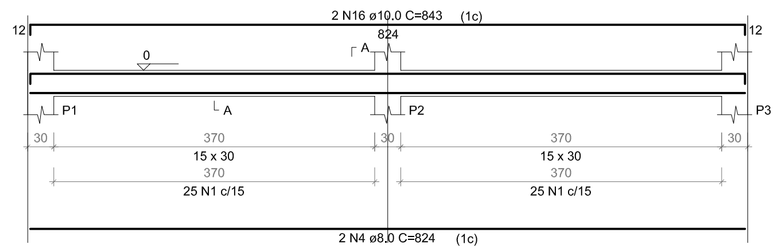
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	340.5	147.8
	10.0	142.4	96.6
CA60	5.0	624.3	105.8

PESO TOTAL (kg)	
CA50	244.4
CA60	105.8

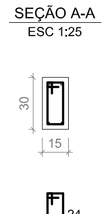
Volume de concreto (C-25) = 5.61 m³
Área de forma = 93.49 m²

CONCRETO USINADO
Fck: 25 MPa

V1
ESC 1:50

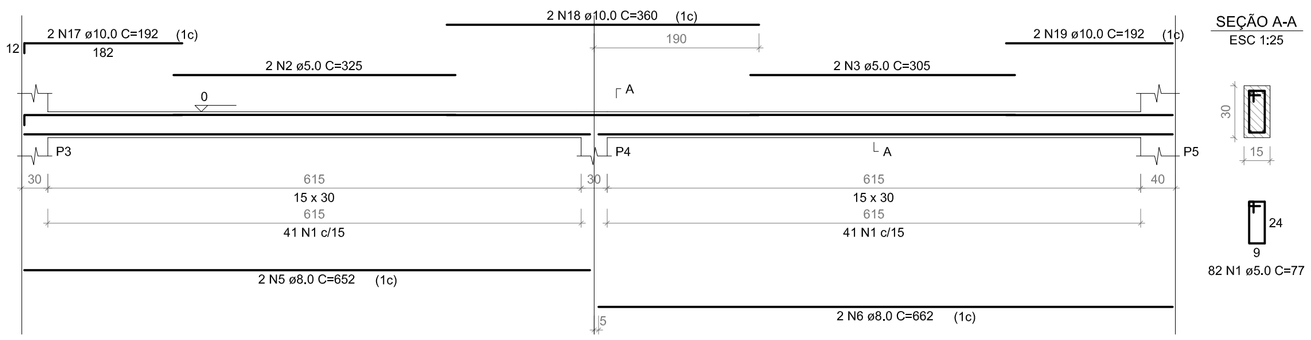


SEÇÃO A-A
ESC 1:25

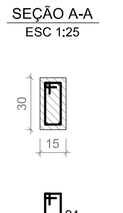


50 N1 ø5.0 C=77

V2
ESC 1:50

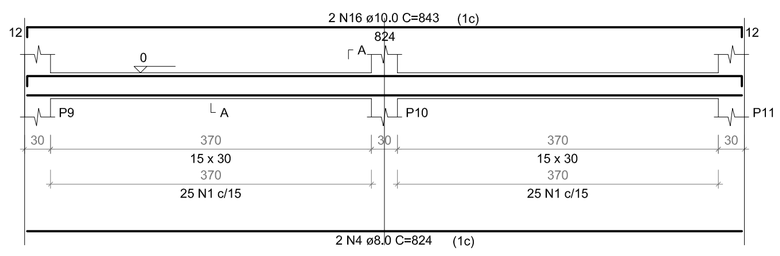


SEÇÃO A-A
ESC 1:25

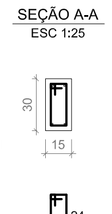


82 N1 ø5.0 C=77

V3
ESC 1:50

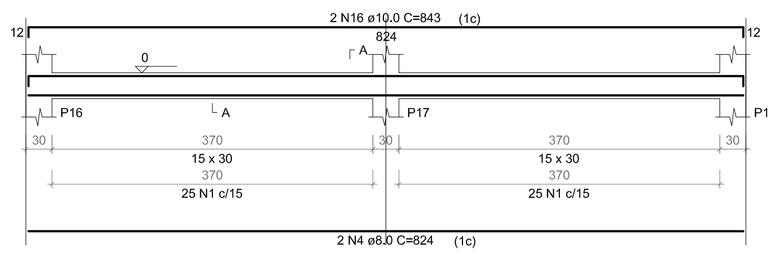


SEÇÃO A-A
ESC 1:25

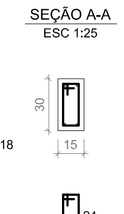


50 N1 ø5.0 C=77

V4
ESC 1:50

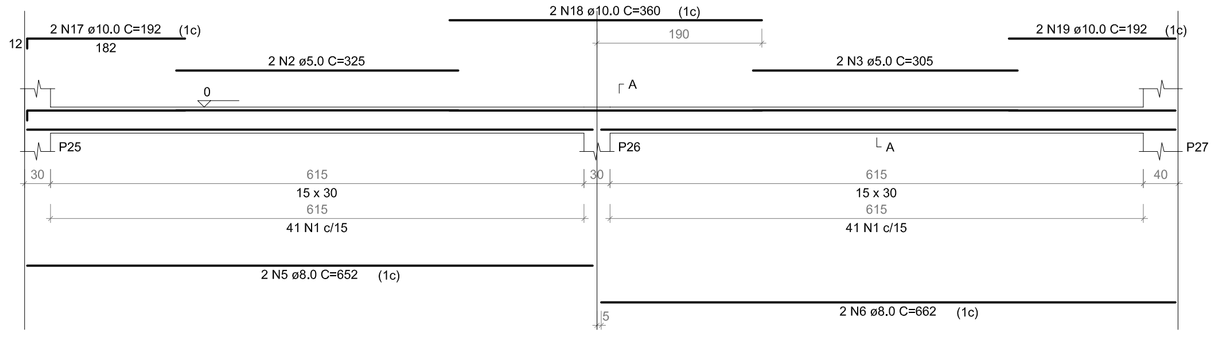


SEÇÃO A-A
ESC 1:25

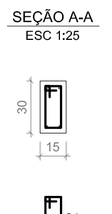


50 N1 ø5.0 C=77

V6
ESC 1:50

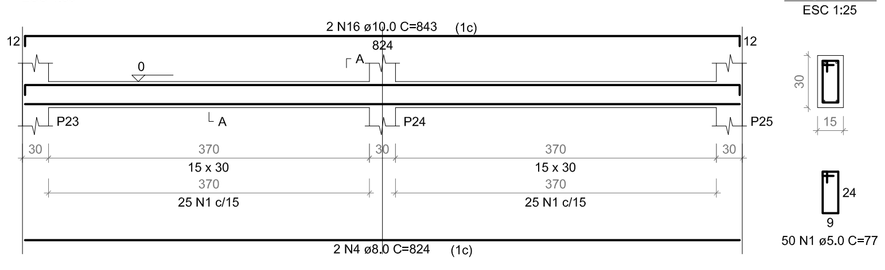


SEÇÃO A-A
ESC 1:25

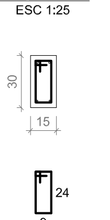


82 N1 ø5.0 C=77

V5
ESC 1:50

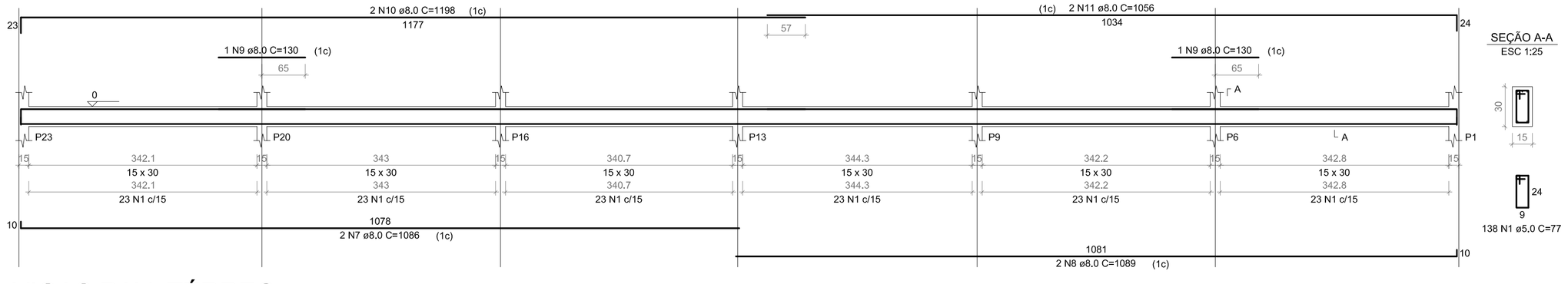


SEÇÃO A-A
ESC 1:25



50 N1 ø5.0 C=77

V7
ESC 1:50



SEÇÃO A-A
ESC 1:25

138 N1 ø5.0 C=77

VIGAS PAV. TÉRREO
Escala 1:50

FORMATO A1 - INTERNO: 801 x 574 mm.
EXTERNO: 841 x 594 mm.

PROJETO:
IRAN CARLOS SARTORI
CREA/SC 148.174-6

PROPRIETARIO:
PREFEITURA MUNICIPAL DE JOAÇABA
CNPJ: 82 939380/0001-99

OBRA:
AMPLIAÇÃO E REFORMA E.M. NUPERAJO
BR 282 KM 396 (Acesso Linha Abatti) - Interior - Joaçaba (SC)

PROJETO:
Projeto Estrutural Salas e Pátio
Detalhamento das Vigas do Térreo

FOLHA:
04 / 09

ÁREA TERRENO:
XX m²

DESENHISTA: IRAN CARLOS SARTORI
DATA: FEV/2018
ESCALA: INDICADA
ÁREA EDIFICAÇÃO: 480,00 m²