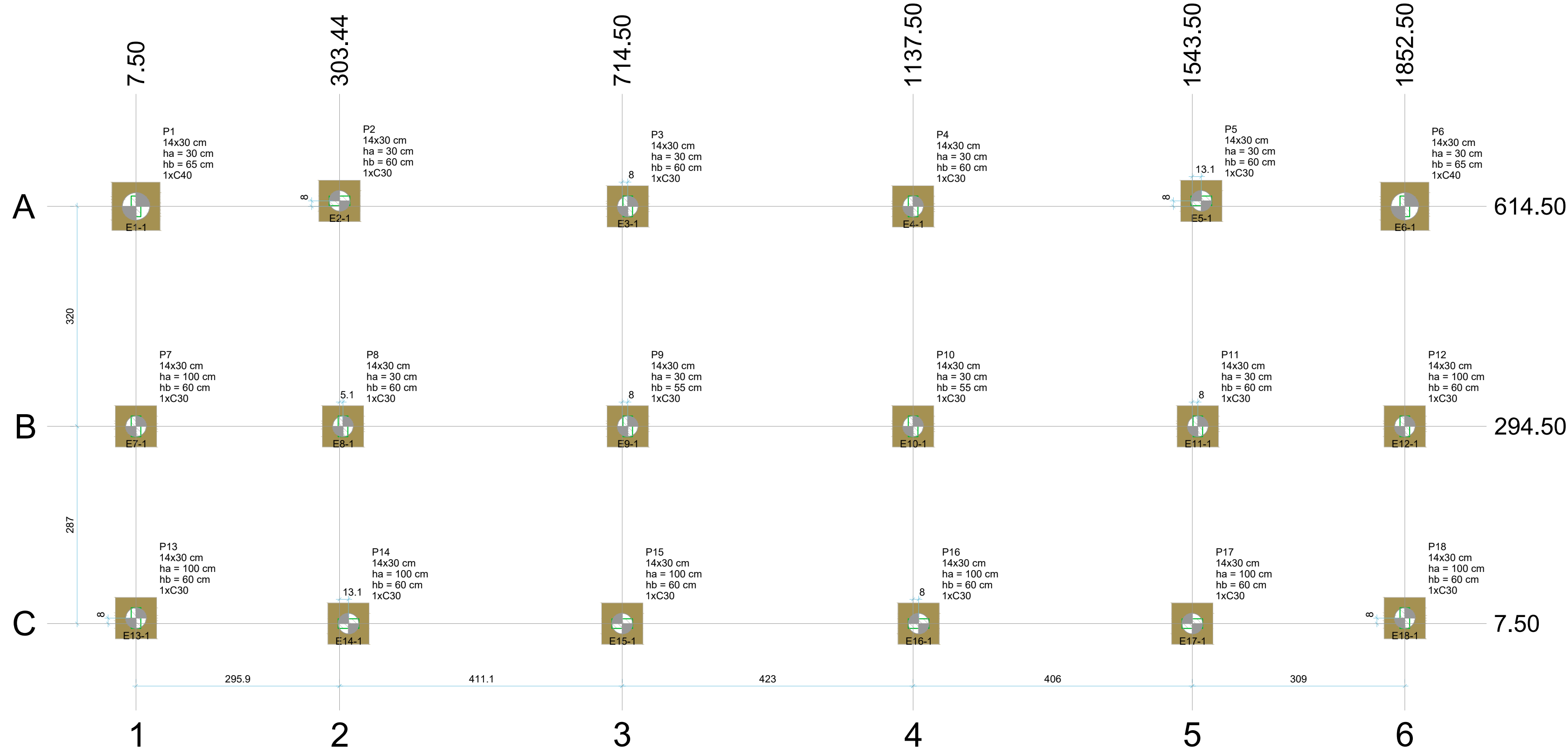
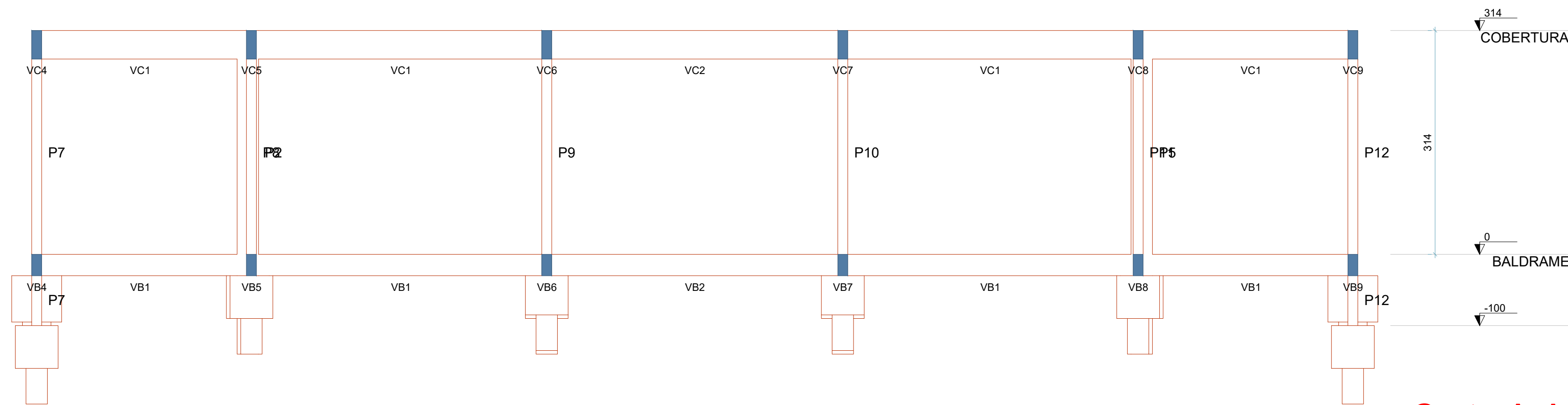
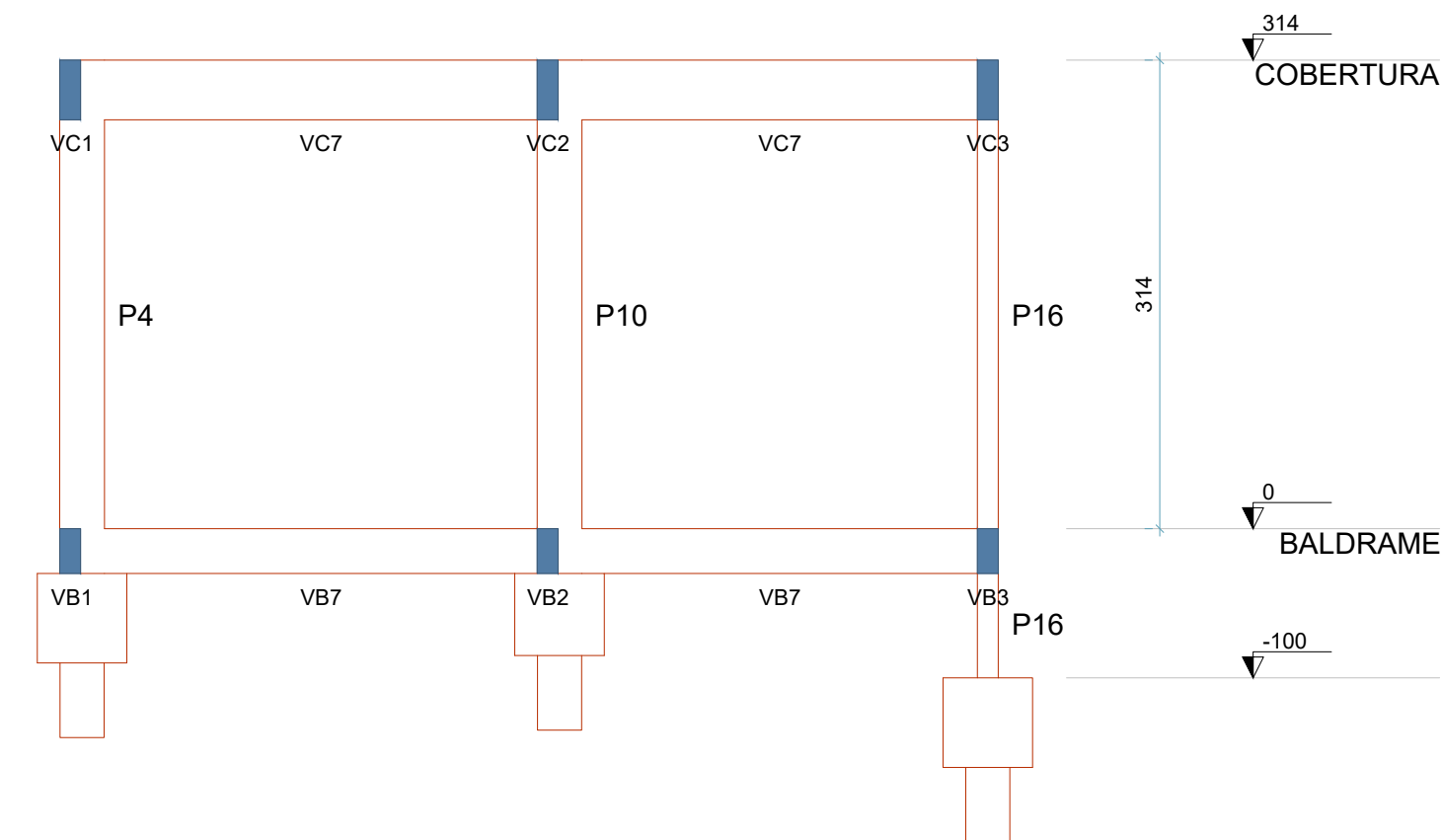




Planta de localização das estacas
escala 1:50



Corte A-A
escala 1:50



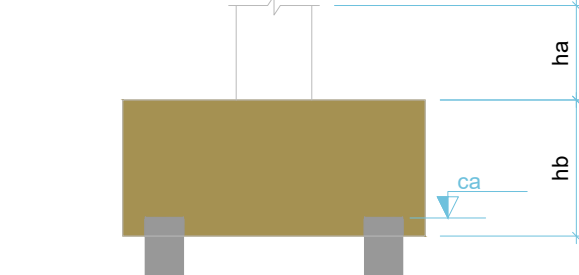
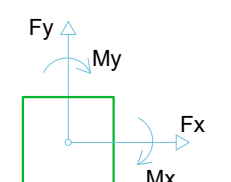
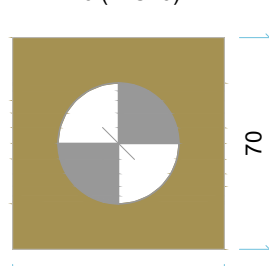
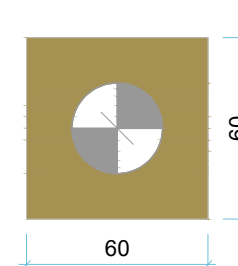
Corte B-B
escala 1:50

Nome	Seção (cm)	Pilar		Carga Máx. (tf)	Carga Min. (tf)	Fundação				Bloco	
		X (cm)	Y (cm)			Lado B (cm)	Lado H (cm)	h0 / ha (cm)	h1 / hb (cm)	ne	Estaca
P1	14x30	7.50	614.50	3.5	3.1	70	70	30	65	1	C40
P2	14x30	303.44	622.50	6.2	5.8	60	60	30	60	1	C30
P3	14x30	722.50	614.50	6.8	6.3	60	60	30	60	1	C30
P4	14x30	1137.50	614.50	6.8	6.3	60	60	30	60	1	C30
P5	14x30	1556.57	622.50	6.2	5.8	60	60	30	60	1	C30
P6	14x30	1852.50	614.50	3.5	3.1	70	70	30	65	1	C40
P7	14x30	7.50	294.50	3.4	3.3	60	60	100	60	1	C30
P8	14x30	308.50	294.50	2.7	2.6	60	60	30	60	1	C30
P9	14x30	722.50	294.50	3.9	3.7	60	60	30	55	1	C30
P10	14x30	1137.50	294.50	3.9	3.7	60	60	30	55	1	C30
P11	14x30	1551.50	294.50	2.7	2.6	60	60	30	60	1	C30
P12	14x30	1852.50	294.50	3.4	3.3	60	60	100	60	1	C30
P13	14x30	7.50	15.50	3.4	2.9	60	60	100	60	1	C30
P14	14x30	316.50	7.50	6.1	5.7	60	60	100	60	1	C30
P15	14x30	714.50	7.50	6.7	6.4	60	60	100	60	1	C30
P16	14x30	1145.50	7.50	6.7	6.4	60	60	100	60	1	C30
P17	14x30	1543.50	7.50	6.1	5.7	60	60	100	60	1	C30
P18	14x30	1852.50	15.50	3.4	2.9	60	60	100	60	1	C30

Os esforços indicados nesta tabela são os valores máximos obtidos pela envoltória de todas as combinações definidas para as fundações. Para análises complementares, deve-se consultar o relatório de esforços na fundação, que apresenta os valores calculados para cada combinação.

B2=B3=B4=B5=B7=B8
B9=B10=B11=B12=B13
B14=B15=B16=B17=B18(1xC30)

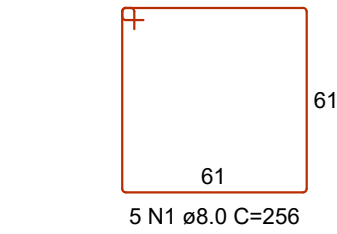
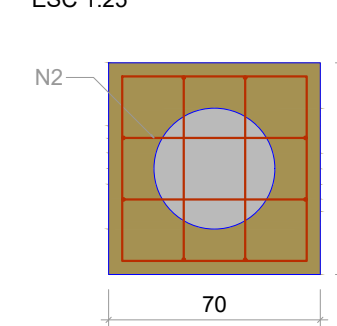
B1=B6(1xC40)



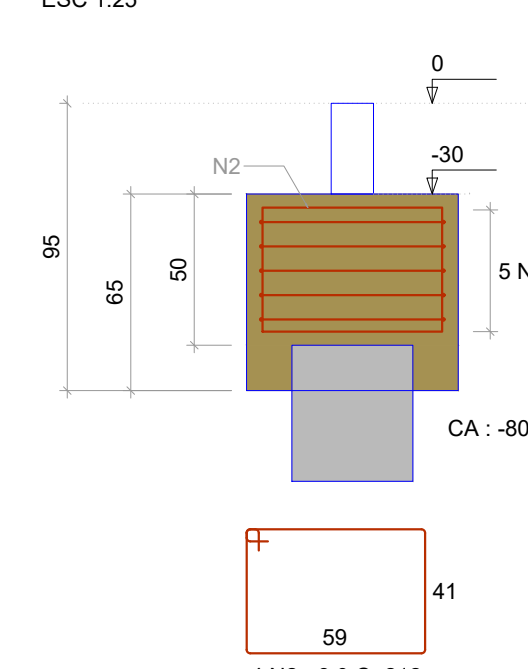
Legenda dos blocos

escala 1:25

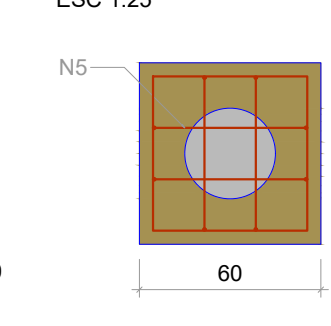
B1=B6
1xC40
PLANTA
ESC 1:25



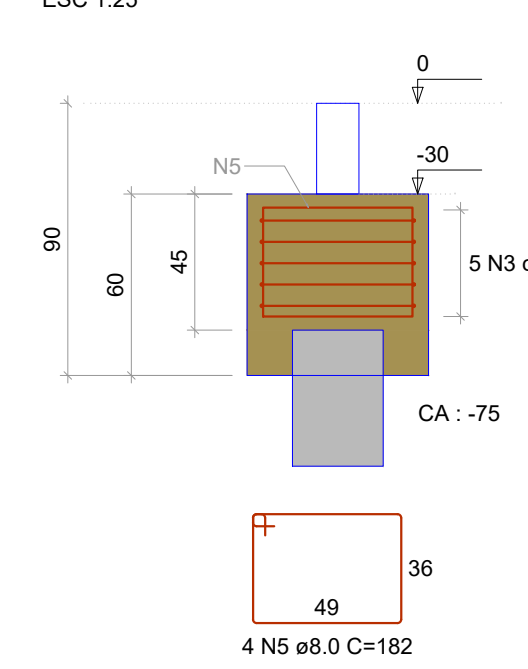
CORTE
ESC 1:25



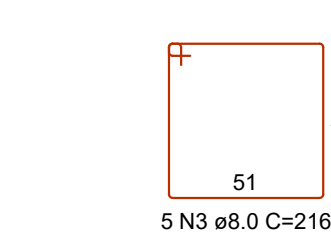
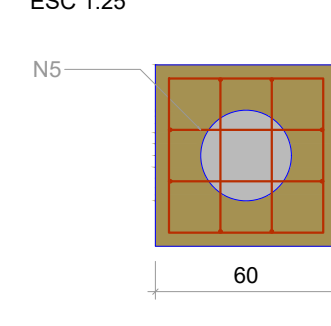
B2=B3=B4=B5=B8=B11
1xC30
PLANTA
ESC 1:25



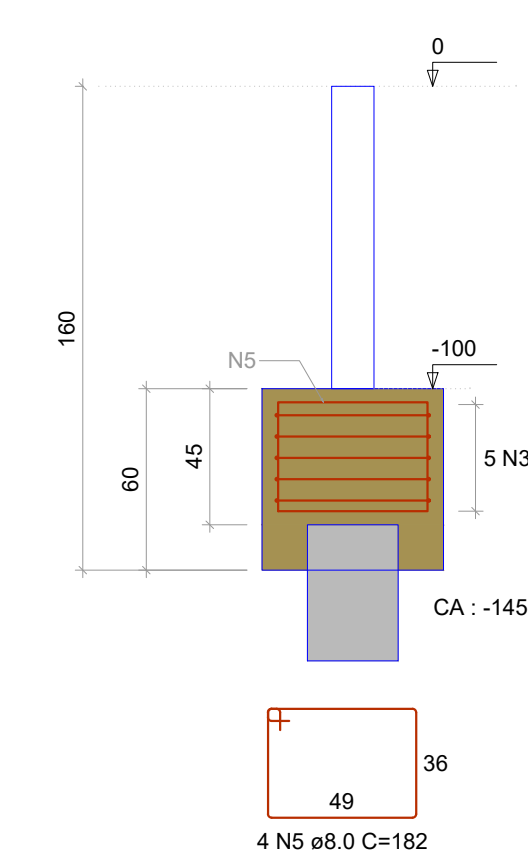
CORTE
ESC 1:25



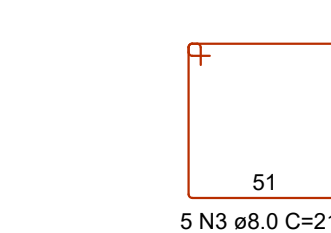
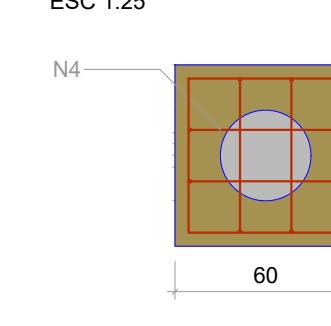
B7=B12=B13=B14=B15=B16=B17=B18
1xC30
PLANTA
ESC 1:25



CORTE
ESC 1:25



B9=B10
1xC30
PLANTA
ESC 1:25



RELAÇÃO DO AÇO
2xB6
6xB18

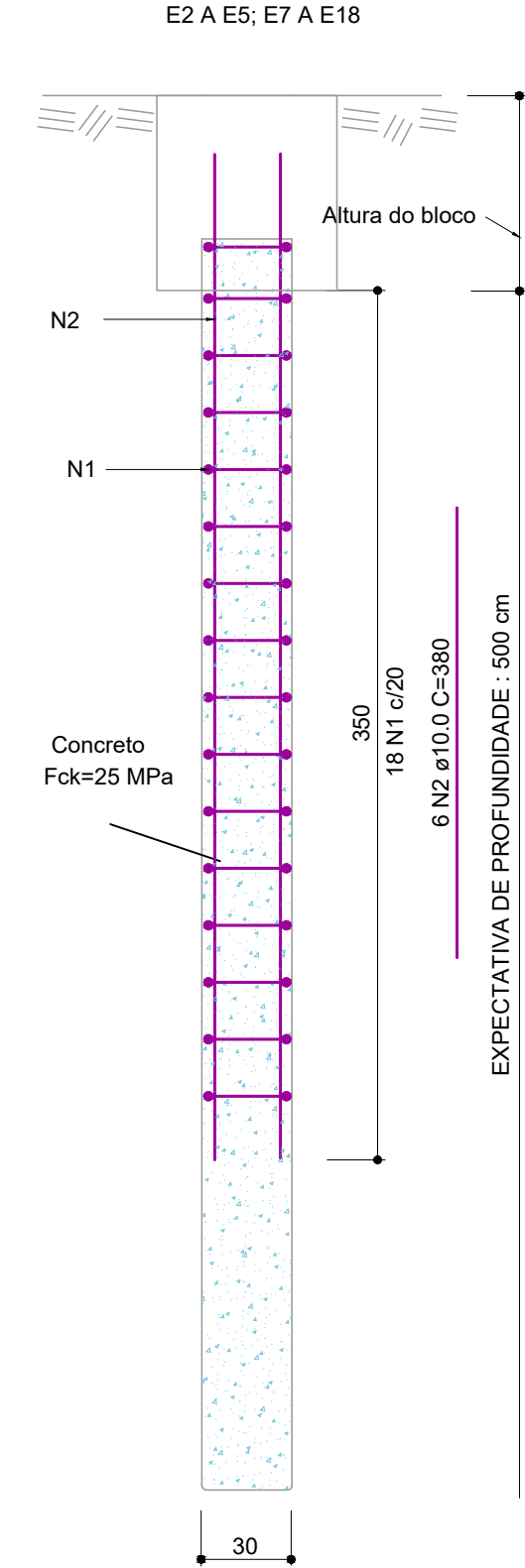
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	8.0	10	256	2560
	2	8.0	8	212	1696
	3	8.0	80	216	17280
	4	8.0	9	172	1548
	5	8.0	56	182	10192

RESUMO DO AÇO

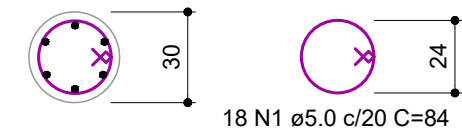
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	331	130.6
PESO TOTAL (kg)			130.6
CA50			130.6

Volume de concreto (C-25) = 3.85 m³
Área de forma = 26.44 m²

DETALHE DAS ESTACAS ø 30CM
E2 A E5, E7 A E18



CORTE



Relação do aço

16 x ESTACA 30 cm + 2 x ESTACA 40 cm

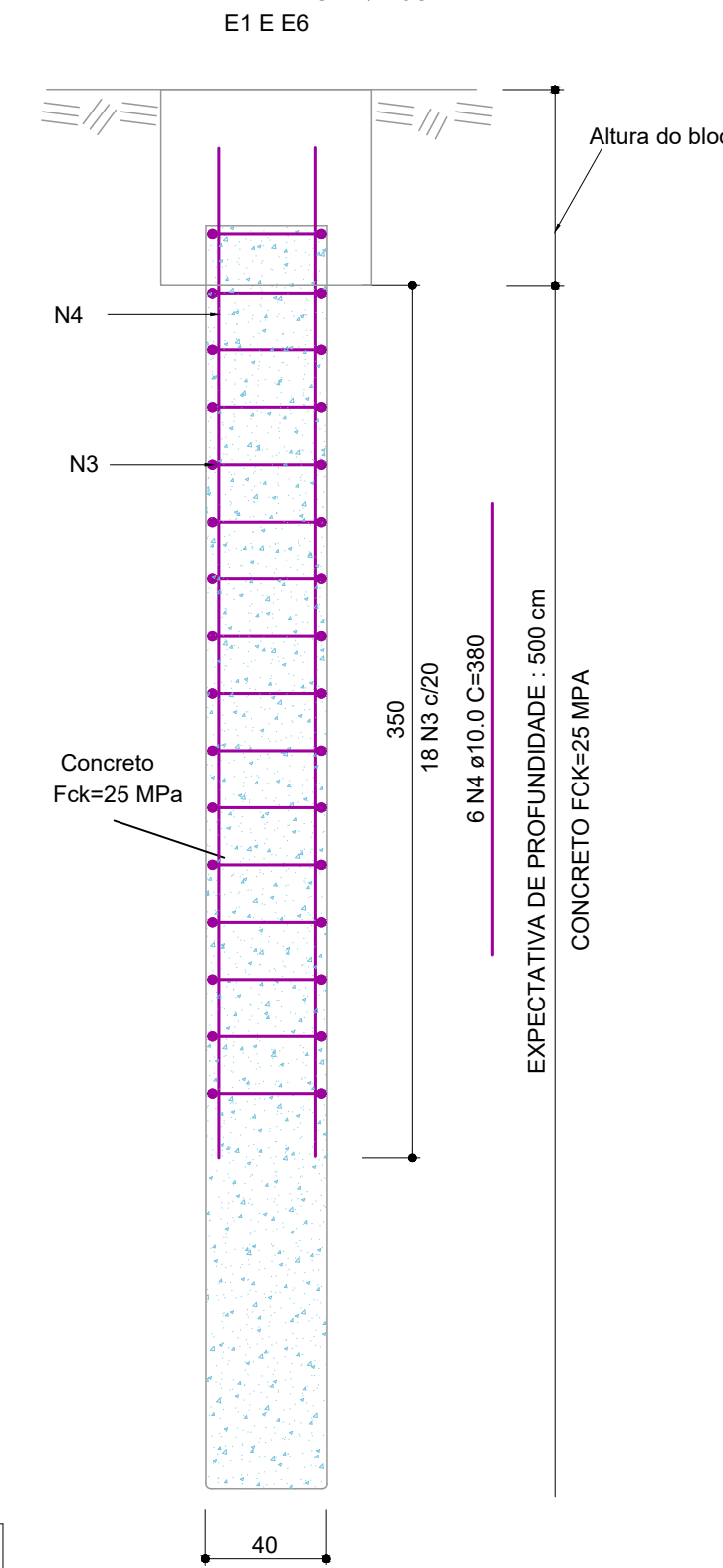
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	288	84	24192
CA50	2	10.0	96	380	36480
CA60	3	5.0	36	117	4212
CA50	4	10.0	12	380	4560

Resumo do aço

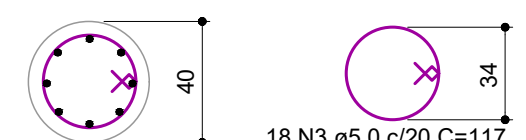
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10.0	410.4	253.2
CA60	5.0	284	43.7
PESO TOTAL (kg)			296.9
CA50			253.2
CA60			43.7

Volume de concreto (C-25) = 6.91 m³

DETALHE DAS ESTACAS ø 40CM
E1 E E6



CORTE



PROJETO ESTRUTURAL E FUNDAÇÃO

VESTIÁRIO - CAMPO OFICIAL
CAMPO OFICIAL - APARECIDA DO RIO DOCE - GO

BUENO RAMOS
ENGENHARIA CIVIL

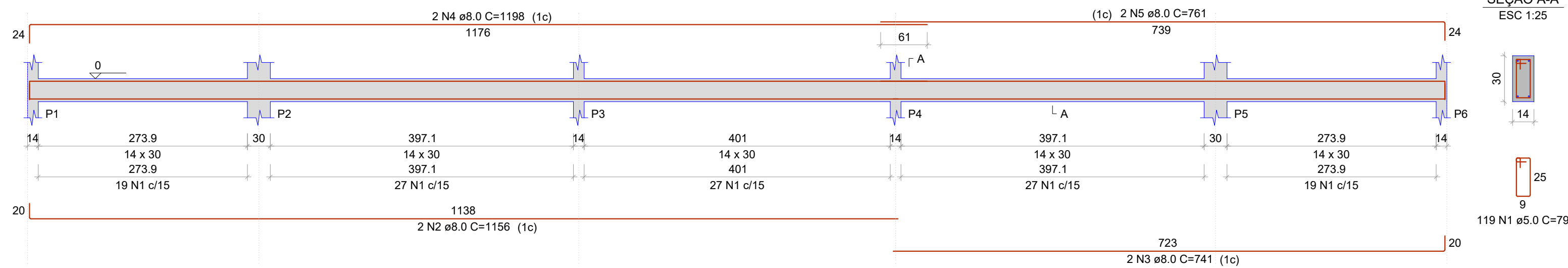
COORDENADAS GEOGRÁFICAS:
18°17'46.5"S 51°09'08.1"W

CONTEÚDO:

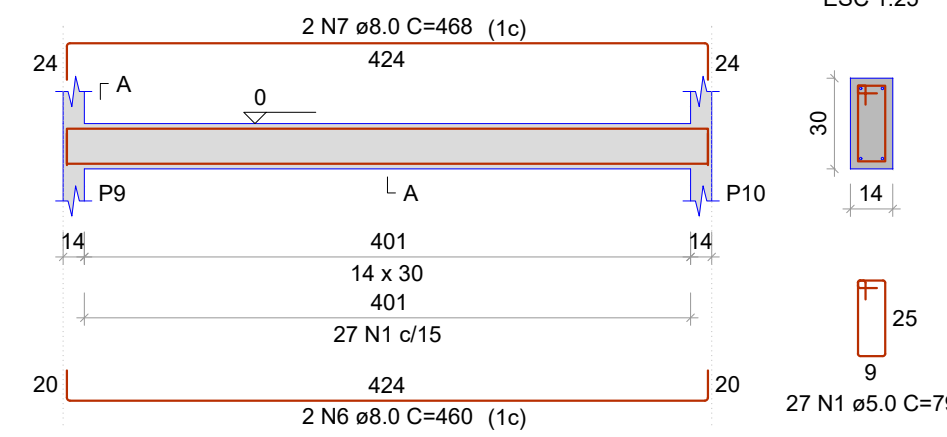
PLANTA DE LOCAÇÃO DE BLOCOS E ESTACAS
CORTES DA ESTRUTURA
DETALHAMENTO DAS ESTACAS
DETALHAMENTO DOS BLOCOS
RELAÇÃO DE AÇO
PLANTA DE CARGAS

ÁREA TOTAL A EXECUTAR:	ESCALA:	DATA:
	INDICADA	DEZEMBRO/2023

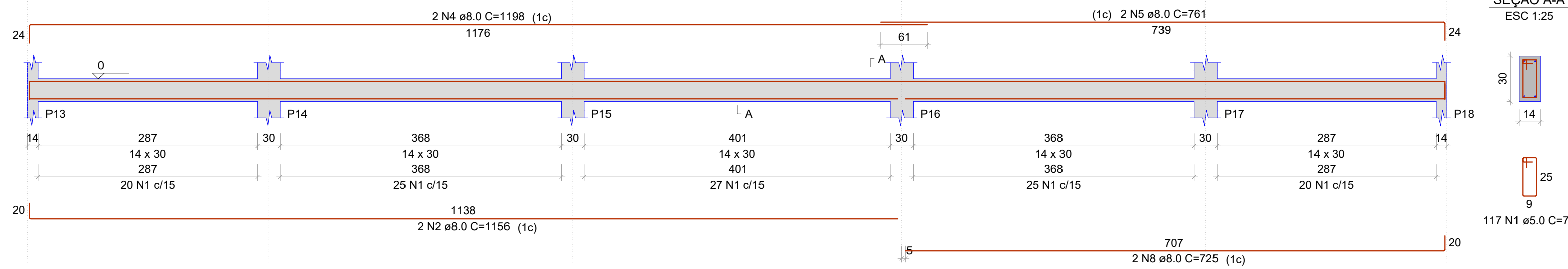
VB1
ESC 1:50



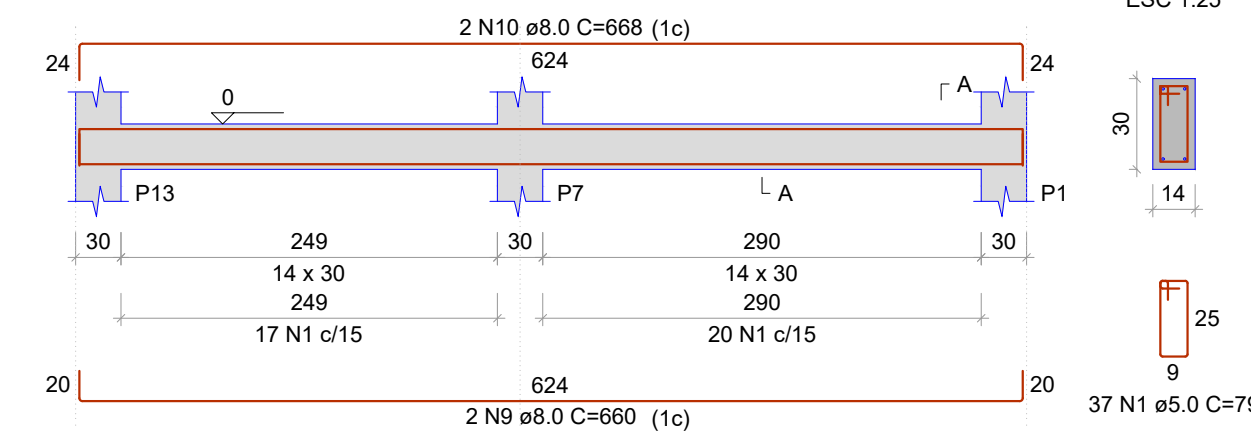
VB2
ESC 1:50



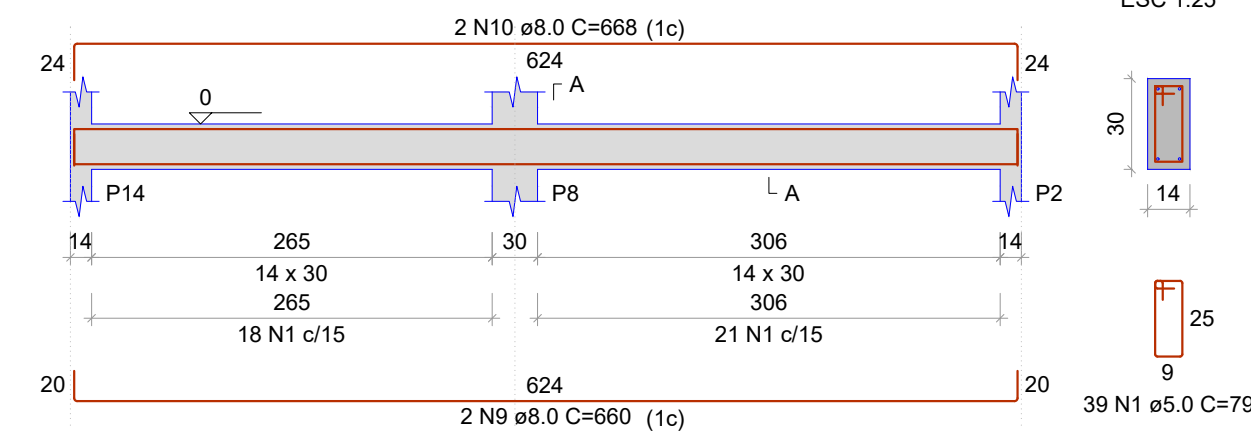
VB3
ESC 1:50



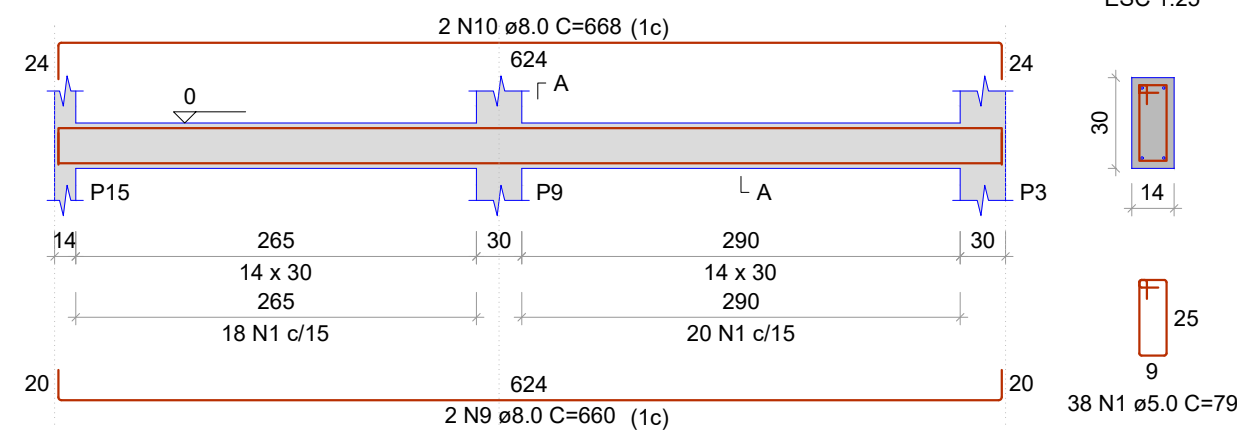
VB4
ESC 1:50



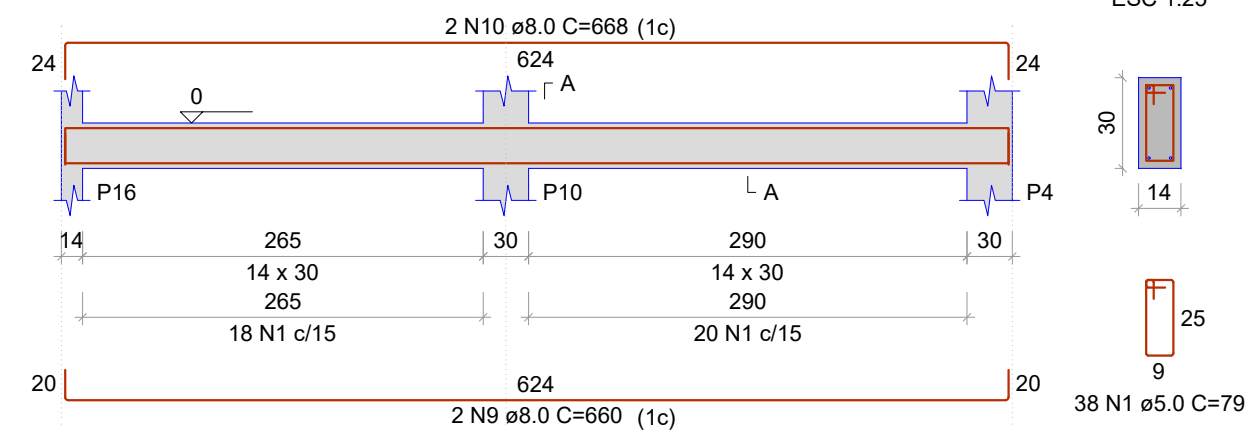
VB5
ESC 1:50



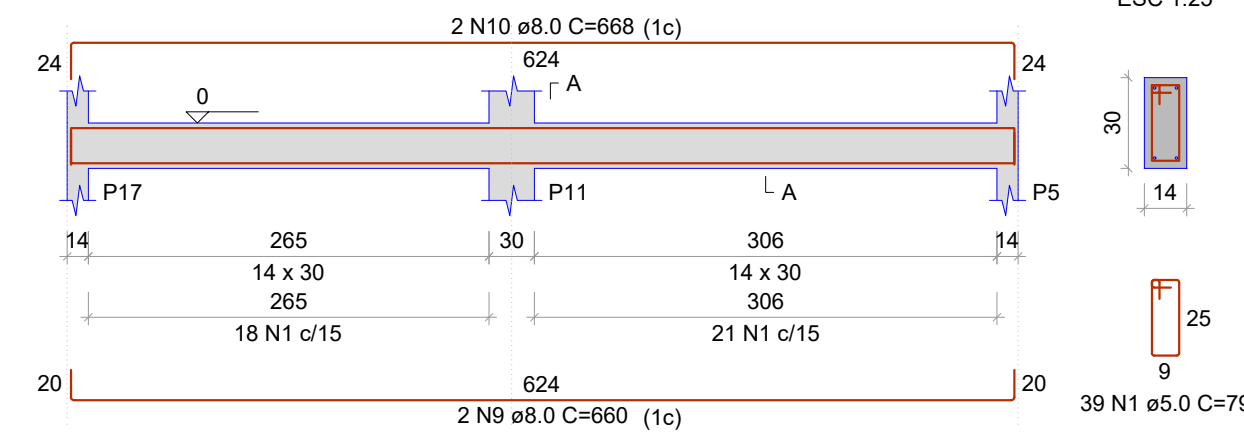
VB6
ESC 1:50



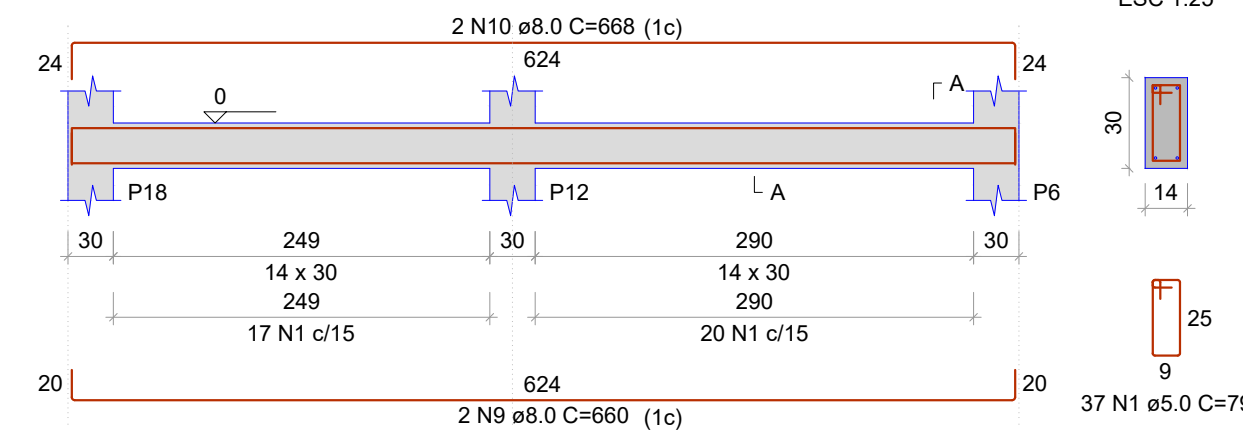
VB7
ESC 1:50



VB8
ESC 1:50



VB9
ESC 1:50

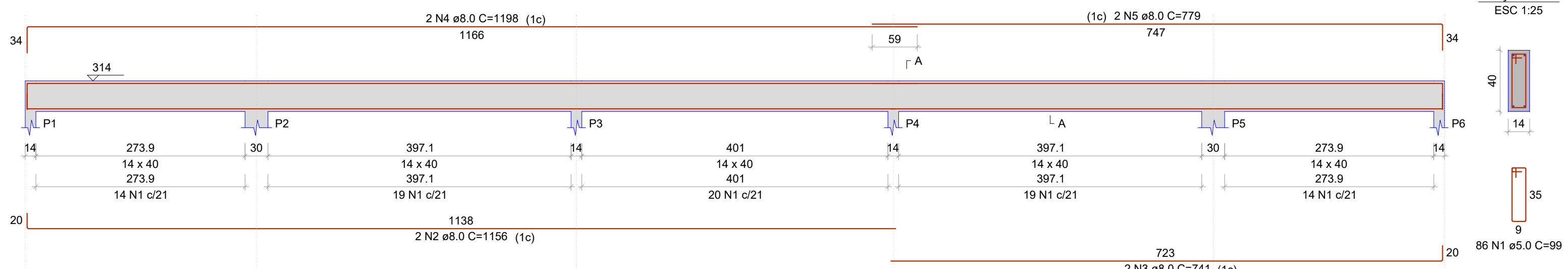


RELAÇÃO DO AÇO						
VB1 VB4 VB7	VB2 VB5 VB8	VB3 VB6 VB9				
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)	
CA60	1	5.0	491	79	38789	
CA50	2	8.0	4	1156	4624	
	3	8.0	2	741	1482	
	4	8.0	4	1198	4792	
	5	8.0	4	761	3044	
	6	8.0	2	460	920	
	7	8.0	2	468	936	
	8	8.0	2	725	1450	
	9	8.0	12	660	7920	
	10	8.0	12	668	8016	

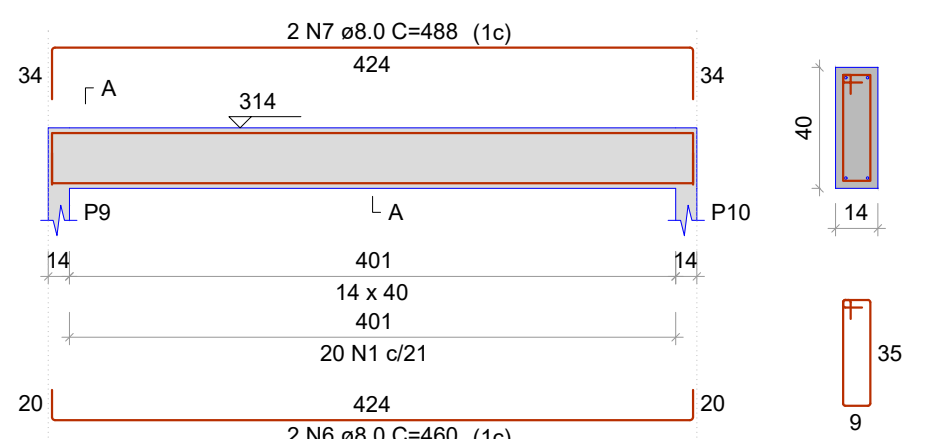
RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	331.8	130.9
CA60	5.0	387.9	59.8
PESO TOTAL (kg)			
CA50			130.9
CA60			59.8

Volume de concreto (C-25) = 3.02 m³
Área de forma = 53.17 m²

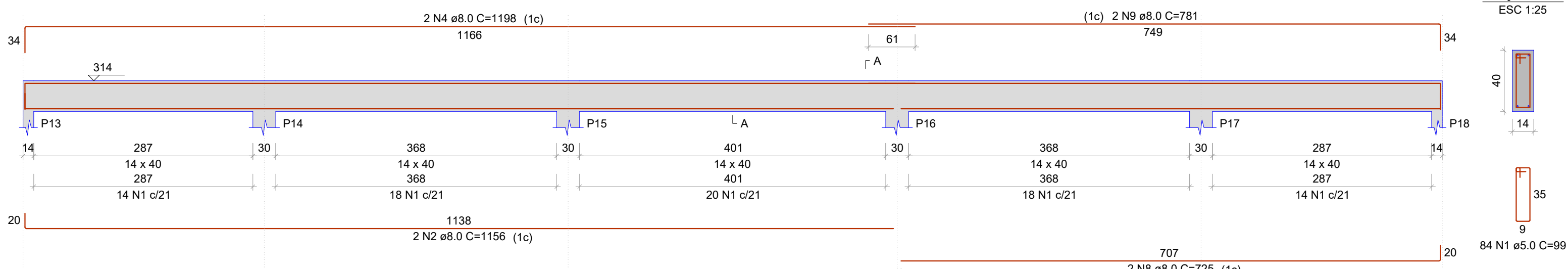
VC1
ESC 1:50



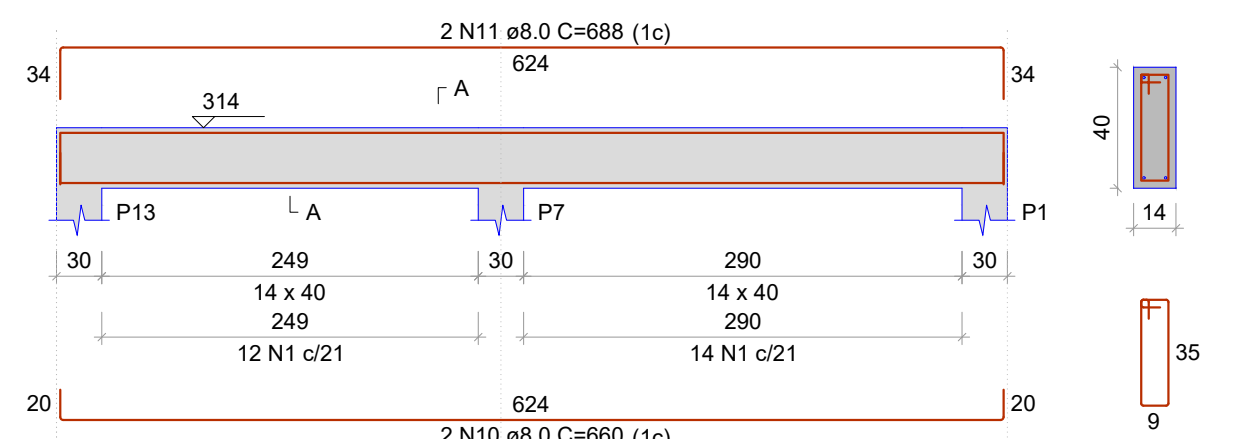
VC2
ESC 1:50



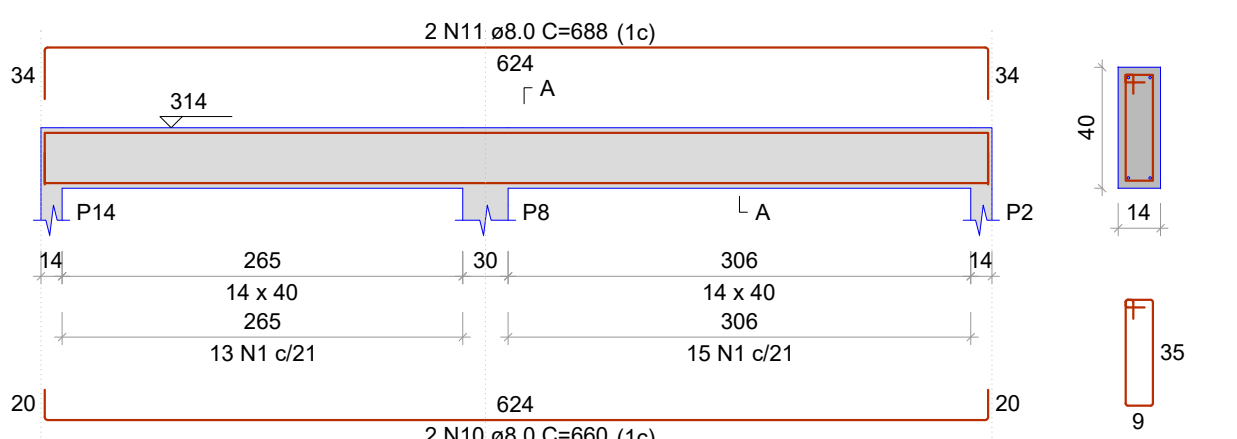
VC3
ESC 1:50



VC4
ESC 1:50



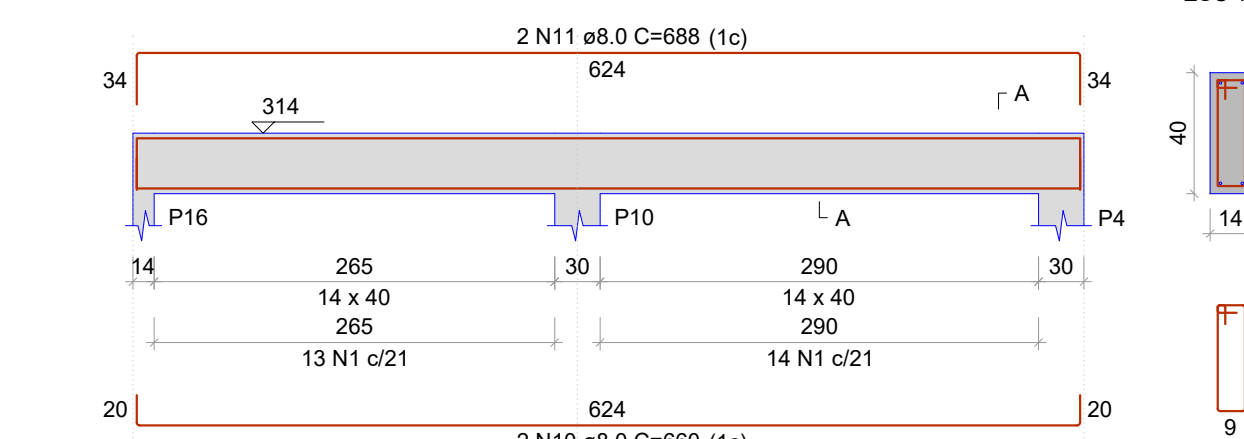
VC5
ESC 1:50



VC6
ESC 1:50



VC7
ESC 1:50



PROJETO ESTRUTURAL E FUNDAÇÃO

VESTIÁRIO - CAMPO OFICIAL
CAMPO OFICIAL - APARECIDA DO RIO DOCE - GO

BUENO RAMOS
ENGENHARIA CIVIL

PROPRIETÁRIO:

PREFEITURA MUNICIPAL DE APARECIDA DO RIO DOCE

AUTOR DO PROJETO:

MARIANA BUENO RAMOS
CREA: 1016191120/D-GO

ENDEREÇO:

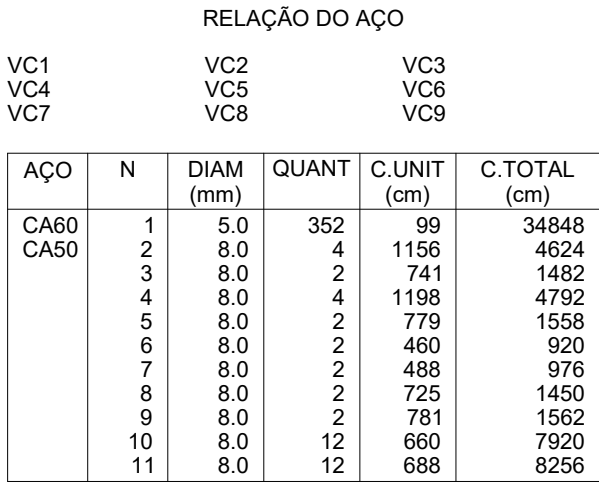
CAMPO OFICIAL - AV. MINAS GERAIS
SETOR CENTRAL, APARECIDA DO RIO DOCE - GO
CEP 75827-000

COORDENADAS GEOGRÁFICAS:
18°17'46.5"S 51°09'08.1"W

CONTEÚDO:

DETALHAMENTO DAS VIGAS BALDRAME
DETALHAMENTO DAS VIGAS DE COBERTURA 1-2
RELAÇÃO DE AÇO - VIGAS BALDRAME

ÁREA TOTAL A EXECUTAR:	ESCALA: INDICADA	DATA: DEZEMBRO/2023
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AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	335.4	132.3
CA60	5.0	348.5	53.7
PESO TOTAL (kg)			
CA50	132.3		
CA60	53.7		

The diagrams show the reinforcement layout for five different slab types, each with a top view (TÉRREO - L2) and a bottom view (BALDRAME - L1).

- P6:** Top view shows a rectangular slab with dimensions 14m x 30m. Reinforcement includes 27 N1 ø5.0 C=79 and 4 N3 ø10.0 C=311. Bottom view shows 7 N1 ø5.0 C=79 and 4 N4 ø10.0 C=VAR.
- P5:** Top view shows a rectangular slab with dimensions 14m x 30m. Reinforcement includes 27 N1 ø5.0 C=79 and 4 N3 ø10.0 C=311. Bottom view shows 7 N1 ø5.0 C=79 and 4 N5 ø10.0 C=VAR.
- P17:** Top view shows a rectangular slab with dimensions 14m x 30m. Reinforcement includes 27 N1 ø5.0 C=79 and 4 N3 ø10.0 C=311. Bottom view shows 13 N1 ø5.0 C=79 and 4 N7 ø10.0 C=VAR.
- P11:** Top view shows a rectangular slab with dimensions 14m x 30m. Reinforcement includes 27 N1 ø5.0 C=79 and 4 N3 ø10.0 C=311. Bottom view shows 7 N1 ø5.0 C=79 and 4 N5 ø10.0 C=VAR.
- P10:** Top view shows a rectangular slab with dimensions 14m x 30m. Reinforcement includes 27 N1 ø5.0 C=79, 27 N2 ø5.0 C=24, and 6 N3 ø10.0 C=311. Bottom view shows 6 N1 ø5.0 C=79, 6 N2 ø5.0 C=24, and 6 N6 ø10.0 C=VAR.

RELAÇÃO DO AÇO					
2xP1-L2		2xP1-L1		4xP2-L2	
4xP2-L1		2xP8-L2		2xP8-L1	
2xP8-L2		2xP9-L1		8xP12-L2	
8xP12-L1					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	658	79	51982
CA50	2	5.0	66	24	1584
	3	10.0	76	311	23636
	4	10.0	8	VAR	VAR
	5	10.0	24	VAR	VAR
	6	10.0	12	VAR	VAR
	7	10.0	32	VAR	VAR

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10.0	355.1	218.9
CA60	5.0	535.7	82.6
PESO TOTAL (kg)			
CA50	218.9		
CA60	82.6		

**PROJETO ESTRUTURAL E
FUNDAÇÃO**
VESTIÁRIO - CAMPO OFICIAL
CAMPO OFICIAL - APARECIDA DO RIO DOCE - GO



PROPRIETÁRIO:	
PREFEITURA MUNICIPAL DE APARECIDA DO RIO DOCE	
AUTOR DO PROJETO:	
MARIANA BUENO RAMOS CREA: 1016191120/D-GO	
ENDEREÇO:	
CAMPO OFICIAL - AV. MINAS GERAIS SETOR CENTRAL, APARECIDA DO RIO DOCE - GO CEP 75827-000	

COORDENADAS GEOGRÁFICAS:
18°17'46.5"S 51°09'08.1"W

CONTEÚDO:

DETALHAMENTO DAS VIGAS DE COBERTURA 2-2

DETALHAMENTO DOS PILARES

RELAÇÃO DE AÇO

AREA TOTAL A EXECUTAR:	ESCALA: INDICADA	DATA: DEZEMBRO/2023
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