

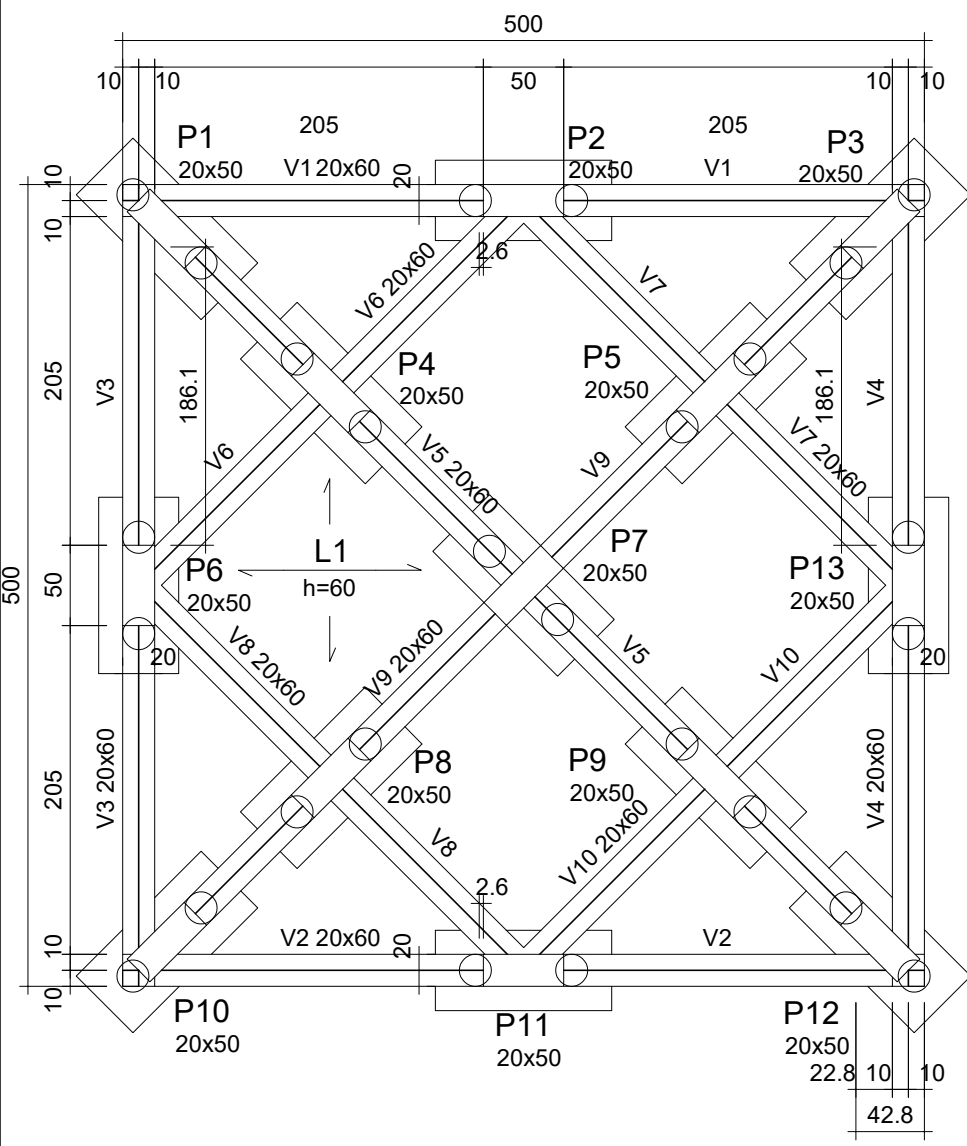
FORMA DO RESERVATÓRIO

escala 1:50

Lajes					Sobrecarga (kgf/m²)		
Nome	Tipo	Altura (cm)	Elevação (cm)	Nível (cm)	Peso próprio (kgf/m²)	Adicional	Localizada
L1	Maciça	60	0	0	1500	10000	0

Características dos materiais				Abatimento (cm)
fck (kgf/cm²)	Ecs (kgf/cm²)	fct (kgf/cm²)		
250	289800	26		5.00

Dimensão máxima do agregado = 19 mm



Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	20x50	0	0
P2	20x50	0	0
P3	20x50	0	0
P4	20x50	0	0
P5	20x50	0	0
P6	20x50	0	0
P7	20x50	0	0
P8	20x50	0	0
P9	20x50	0	0
P10	20x50	0	0
P11	20x50	0	0
P12	20x50	0	0
P13	20x50	0	0

Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	20x60	0	0
V2	20x60	0	0
V3	20x60	0	0
V4	20x60	0	0
V5	20x60	0	0
V6	20x60	0	0
V7	20x60	0	0
V8	20x60	0	0
V9	20x60	0	0
V10	20x60	0	0

Legenda dos pilares	Pilar que morre
Legenda das vigas e paredes	Viga

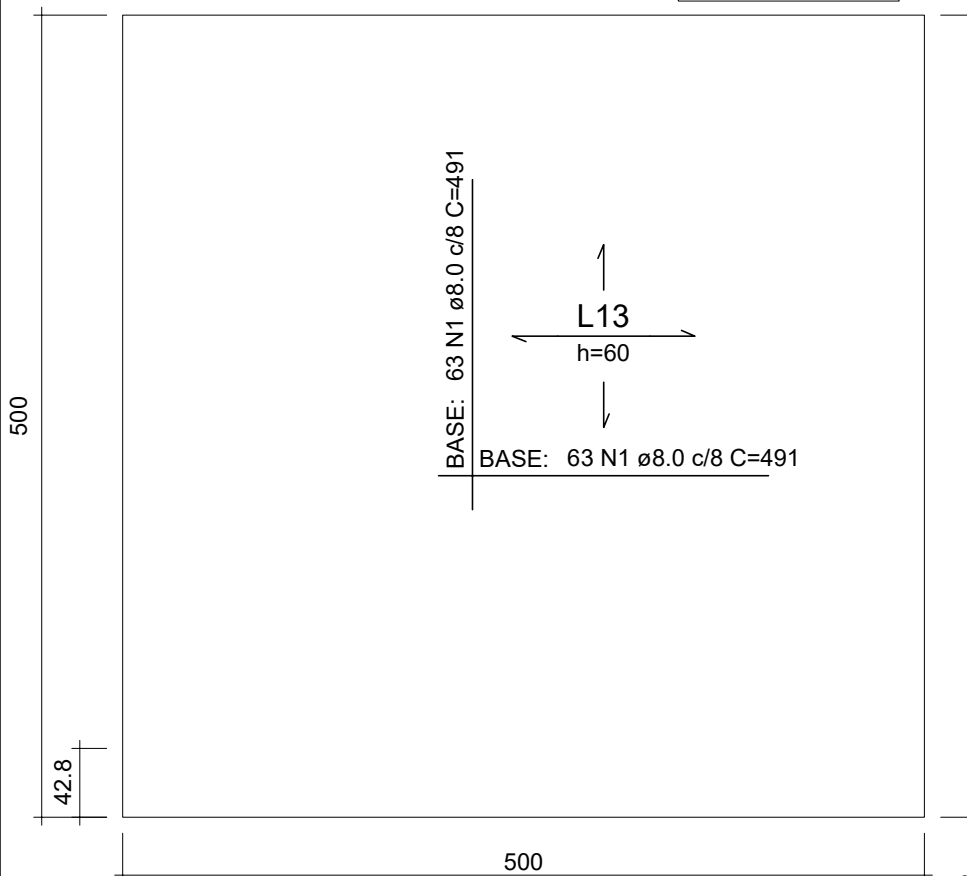
ARMAÇÃO SUP. RADIER

escala 1:50

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.TOTAL (cm)	C.TOTAL (cm)
Negativos	CA50	1	8.0	126	491	61866
Positivos	CA50	2	8.0	100	491	49100
	CA50	3	12.5	50	822	41100
	CA50	4	12.5	8	491	3928

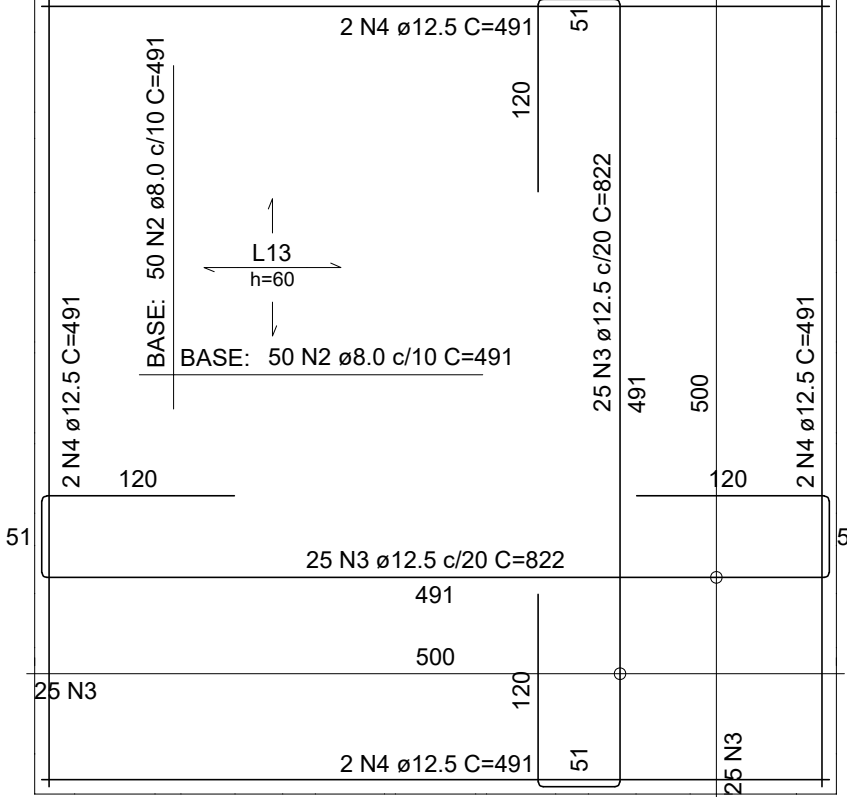
RESUMO DO AÇO				
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	8.0	1109.7	102	481.6
		450.3	42	477.1
PESO TOTAL (kg)				
CA50				958.8

Volume de concreto (C-25) = 15.00 m³



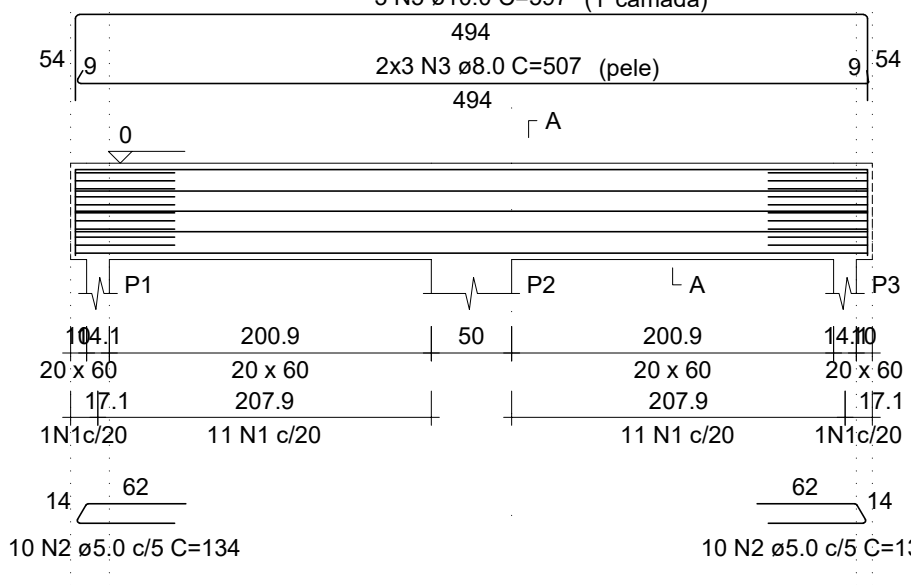
ARMAÇÃO INF. RADIER

escala 1:50



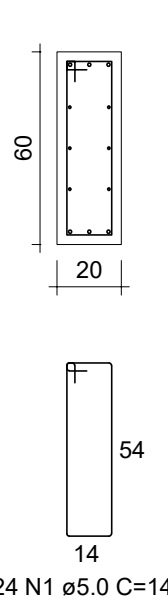
V1 (20 x 60)

ESC: 1:50



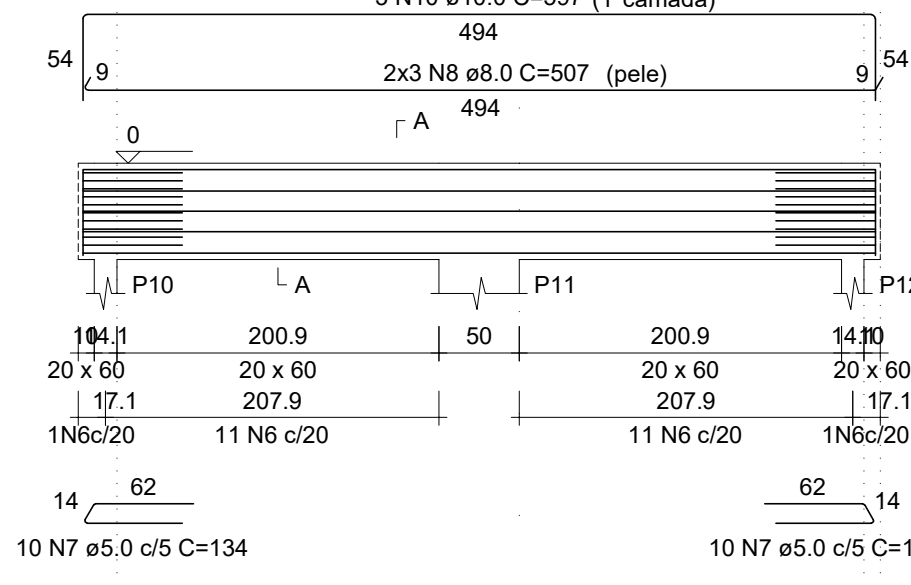
SEÇÃO A-A

ESC: 1:25



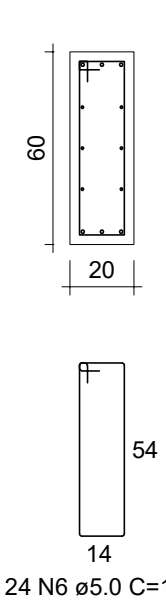
V2 (20 x 60)

ESC: 1:50



SEÇÃO A-A

ESC: 1:25

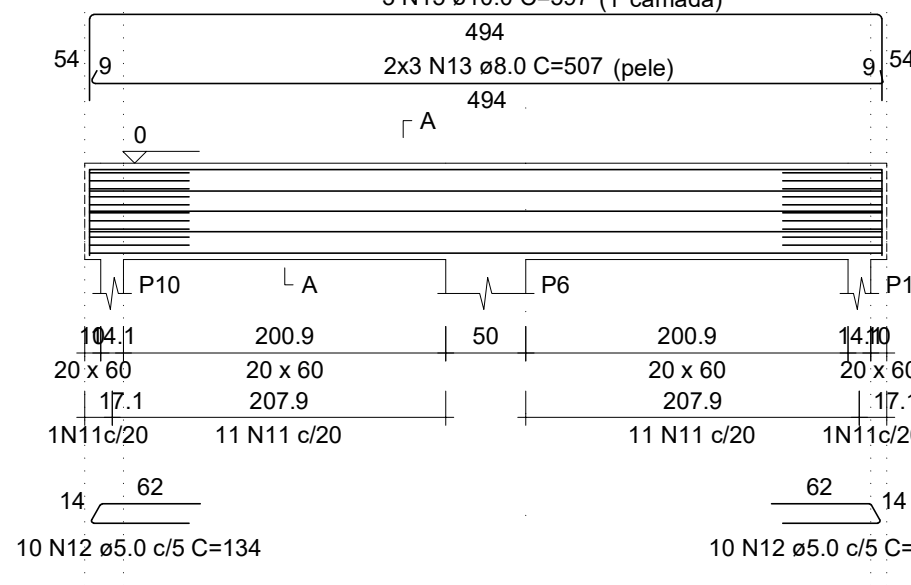


VIGAS DO RESERVATÓRIO

escala 1:50

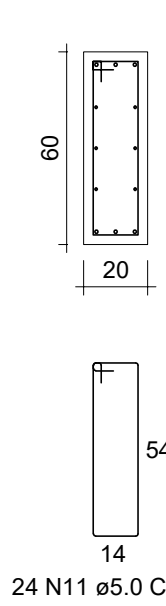
V3 (20 x 60)

ESC: 1:50



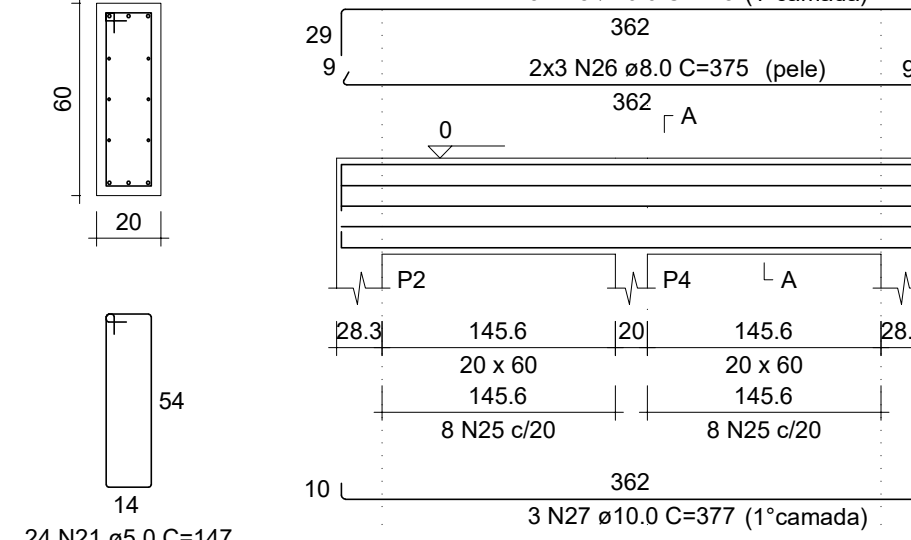
SEÇÃO A-A

ESC: 1:25



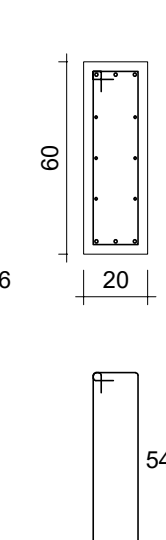
V6 (20 x 60)

ESC: 1:50



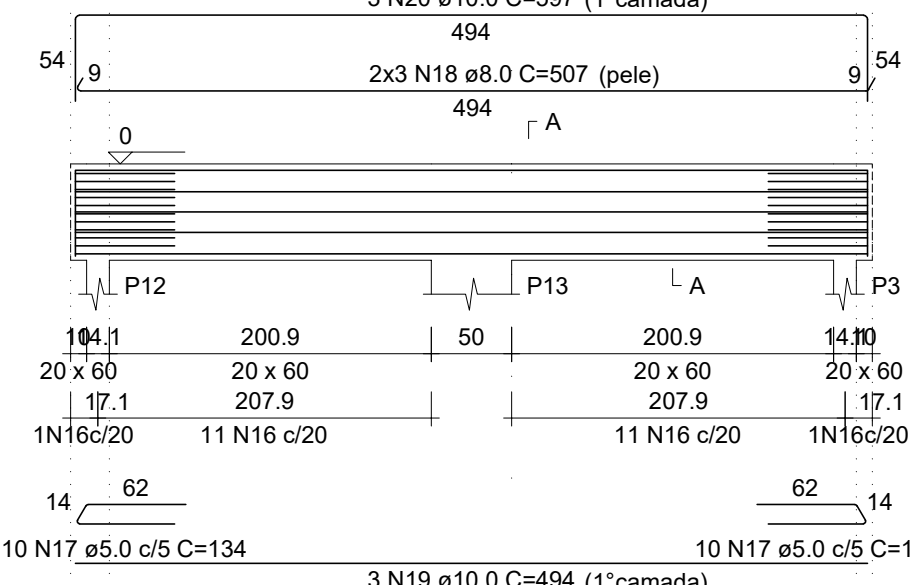
SEÇÃO A-A

ESC: 1:25



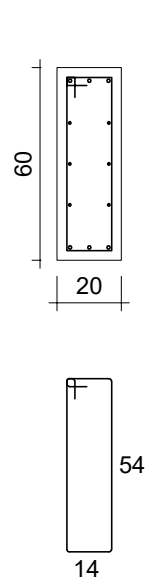
V4 (20 x 60)

ESC: 1:50



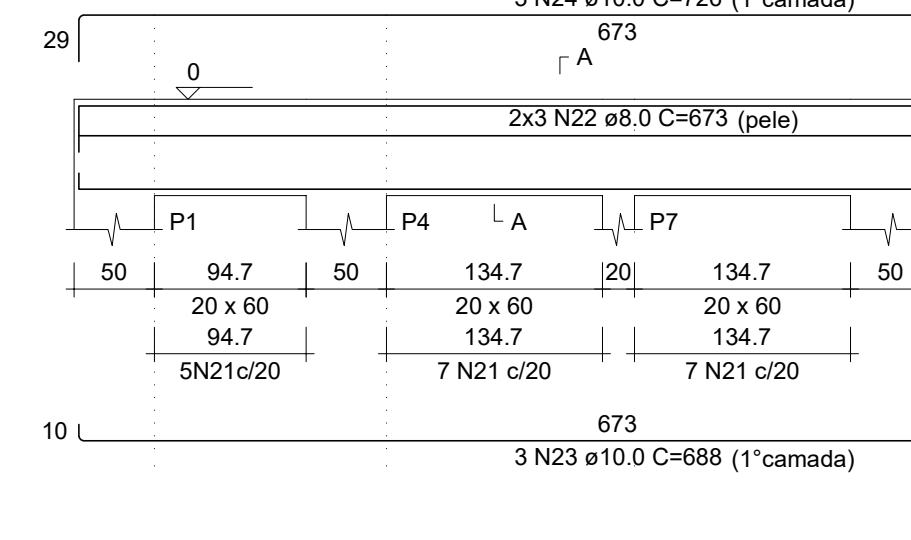
SEÇÃO A-A

ESC: 1:25



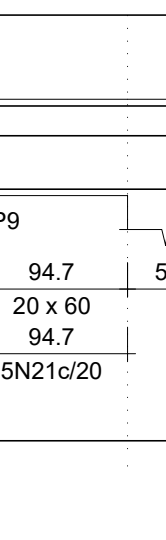
V5 (20 x 60)

ESC: 1:50



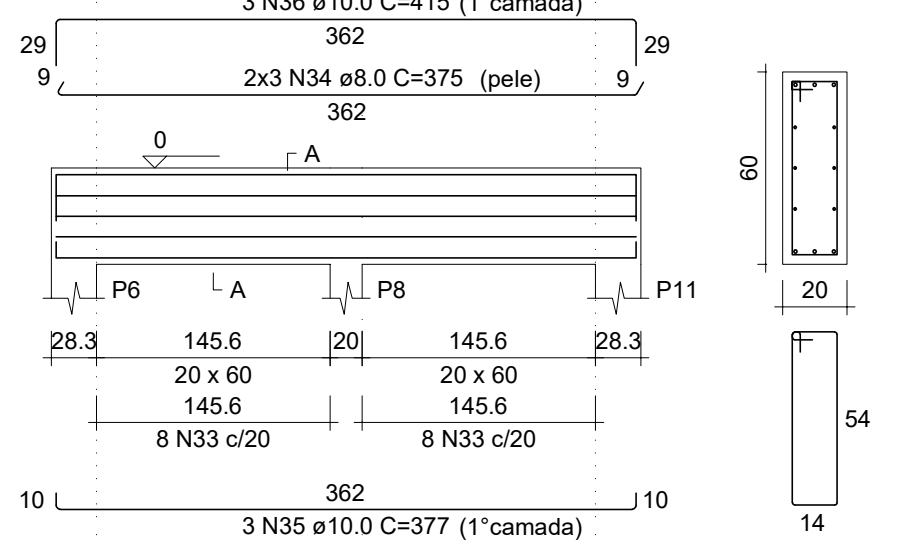
SEÇÃO A-A

ESC: 1:25



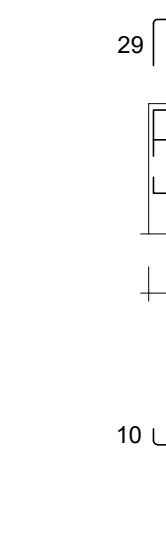
V8 (20 x 60)

ESC: 1:50



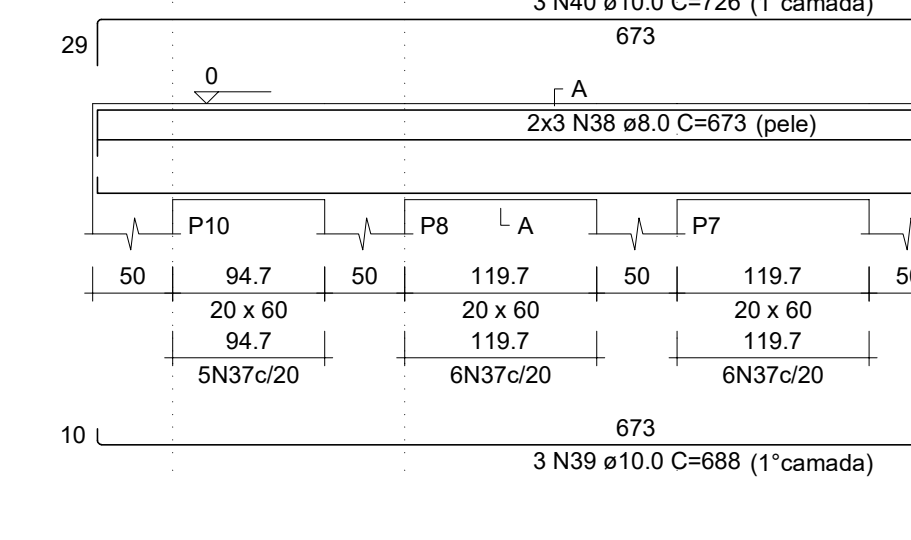
SEÇÃO A-A

ESC: 1:25



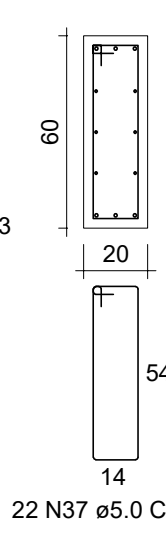
V9 (20 x 60)

ESC: 1:50



SEÇÃO A-A

ESC: 1:25



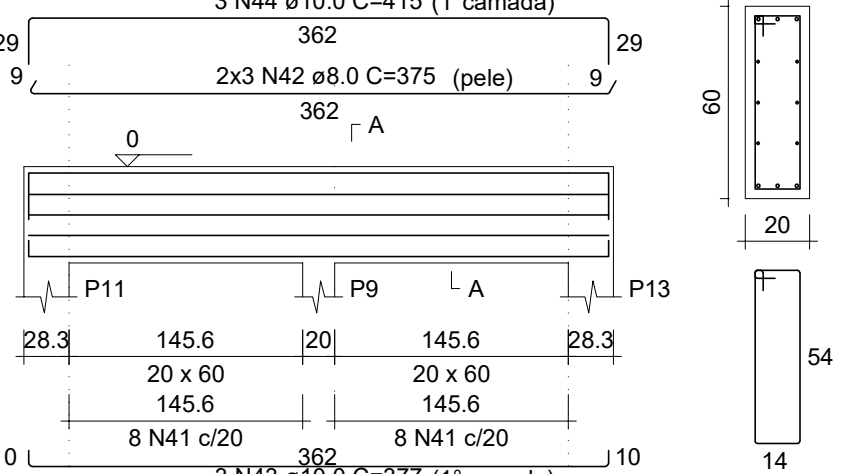
RELAÇÃO DO AÇO						
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
V1	CA60	1	5.0	24	147	3528
	CA60	2	5.0	20	134	2680
	CA50	3	8.0	6	507	3042
V2	CA50	4	10.0	3	494	1482
	CA50	5	10.0	3	597	1791
	CA60	6	5.0	24	147	3528
V3	CA60	7	5.0	20	134	2680
	CA50	8	8.0	6	507	3042
	CA50	9	10.0	3	494	1482
V4	CA50	10	10.0	3	597	1791
	CA60	11	5.0	24	147	3528
	CA50	12	5.0	20	134	2680
V5	CA50	13	8.0	6	507	3042
	CA50	14	10.0	3	494	1482
	CA50	15	10.0	3	597	1791
V6	CA60	16	5.0	24	147	3528
	CA60	17	5.0	20	134	2680
	CA50	18	10.0	3	597	1791
V7	CA50	19	10.0	3	494	1482
	CA50	20	10.0	3	597	1791
	CA60	21	5.0	24	147	3528
V8	CA50	22	8.0	6	507	3042
	CA50	23	10.0	3	688	2064
	CA50	24	10.0	3	726	2178
V9	CA60	25	5.0	16	147	2352
	CA50	26	8.0	6	375	2250
	CA50	27	10.0	3	377	1131
V10	CA50	28	10.0	3	415	1245
	CA60	29	5.0	16	147	2352
	CA50	30	8.0	6	375	2250
V10	CA50	31	10.0	3	377	1131
	CA50	32	10.0	3	415	1245
	CA60	33	5.0	16	147	2352
V10	CA50	34	8.0	6	375	2250
	CA50	35	10.0	3	377	1131
	CA50	36	10.0	3	415	1245
V10	CA60	37	5.0	22	147	2554
	CA50	38	8.0	6	673	4038
	CA50	39	10.0	3	688	2064
V10	CA50	40	10.0	3	726	2178
	CA60	41	5.0	16	147	2352
	CA50	42	8.0	6	375	2250
V10	CA50	43	10.0	3	377	1131
	CA50	44	10.0	3	415	1245

RESUMO DO AÇO				
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	8.0	292.4	27	126.9
CA60	5.0	310.8	29	210.8
				69.5
PESO TOTAL (kg)				
CA50				337.7
CA60				69.5

AS VIGAS SERÃO CONCRETADAS JUNTAMENTE COM O RADIER

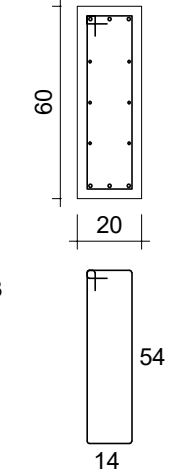
V10 (20 x 60)

ESC: 1:50

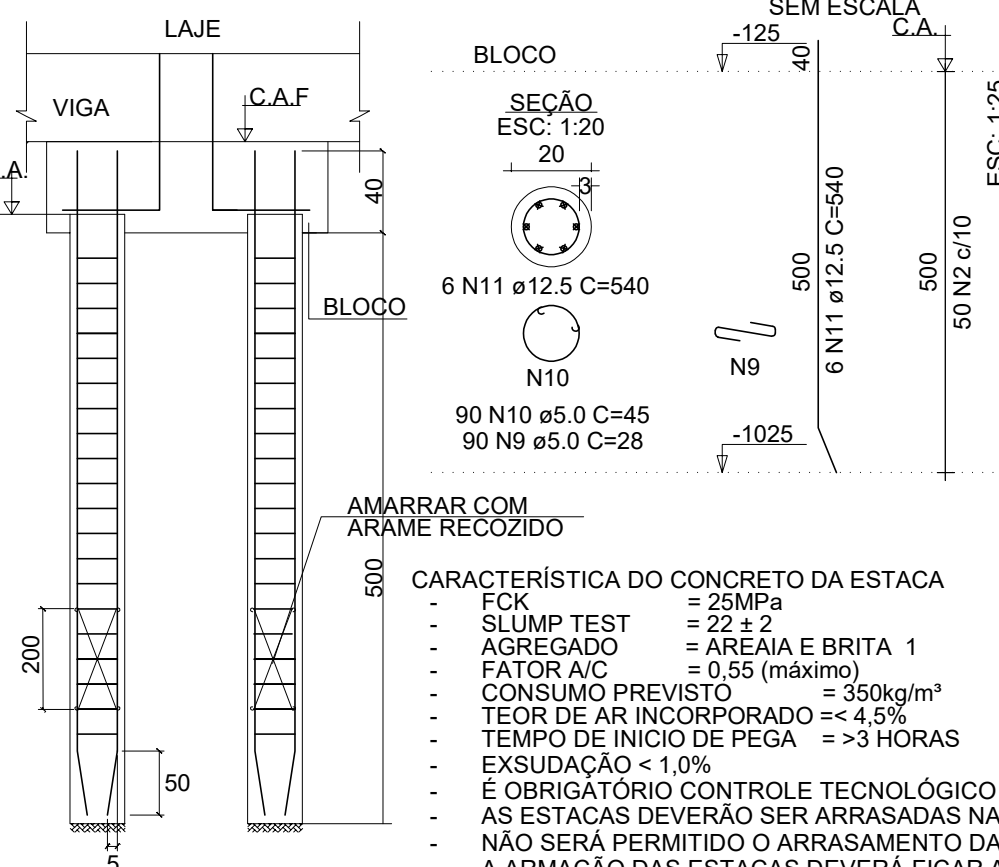


SEÇÃO A-A

ESC: 1:25



DETALHAMENTO DAS ESTACAS



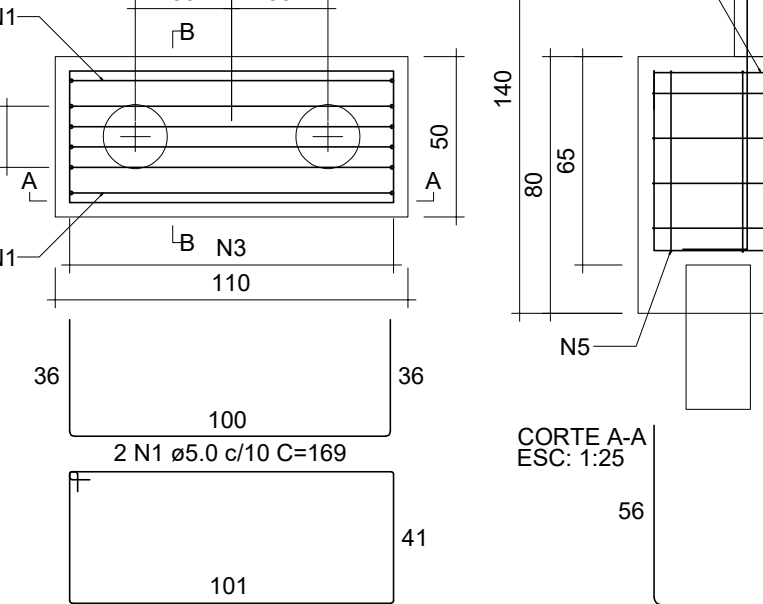
B1=B2=B3=B4=B5=B6=B7=B8

=B9=B10=B11=B12=B13

2x20

PLANTA

ESC: 1:25



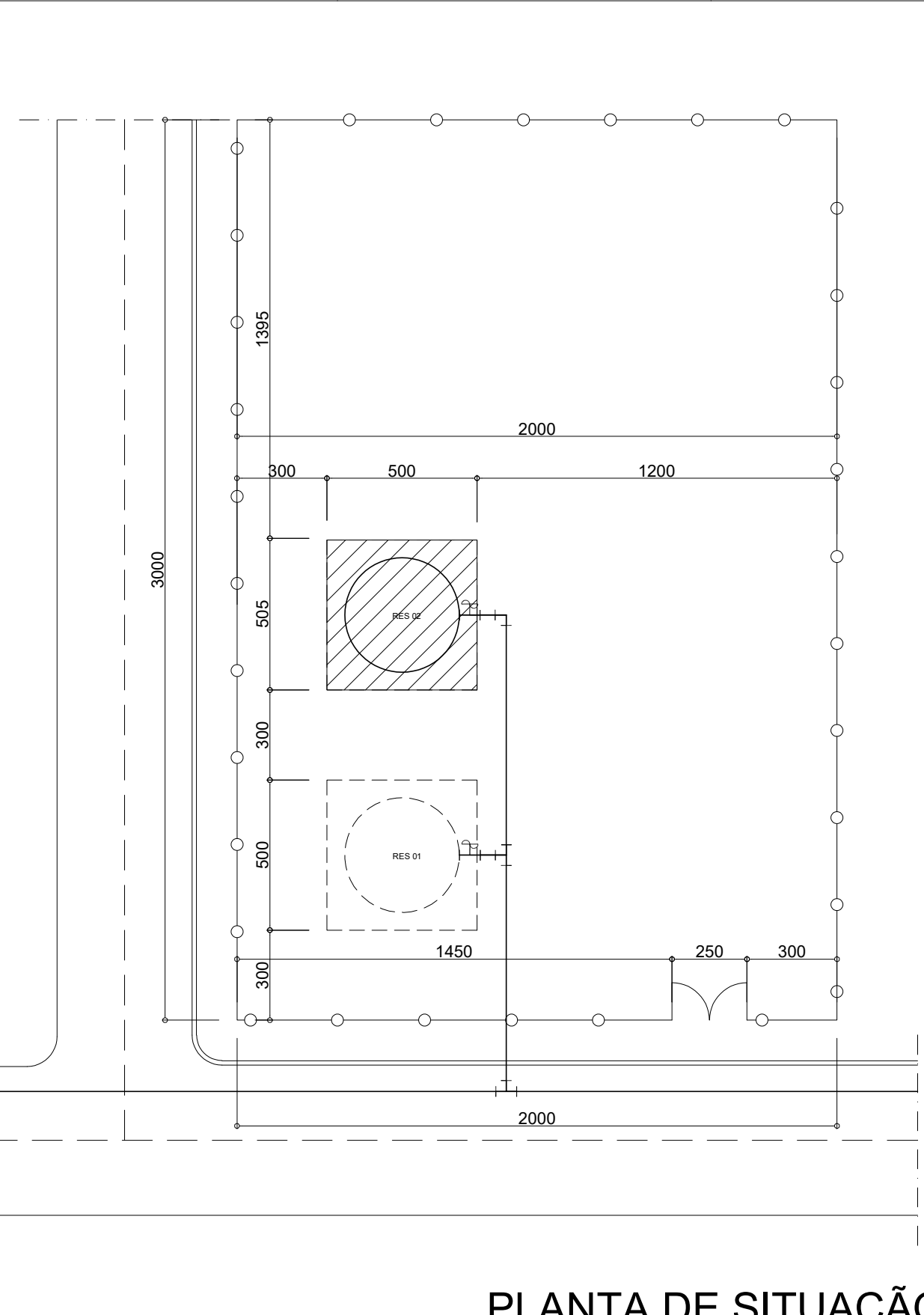
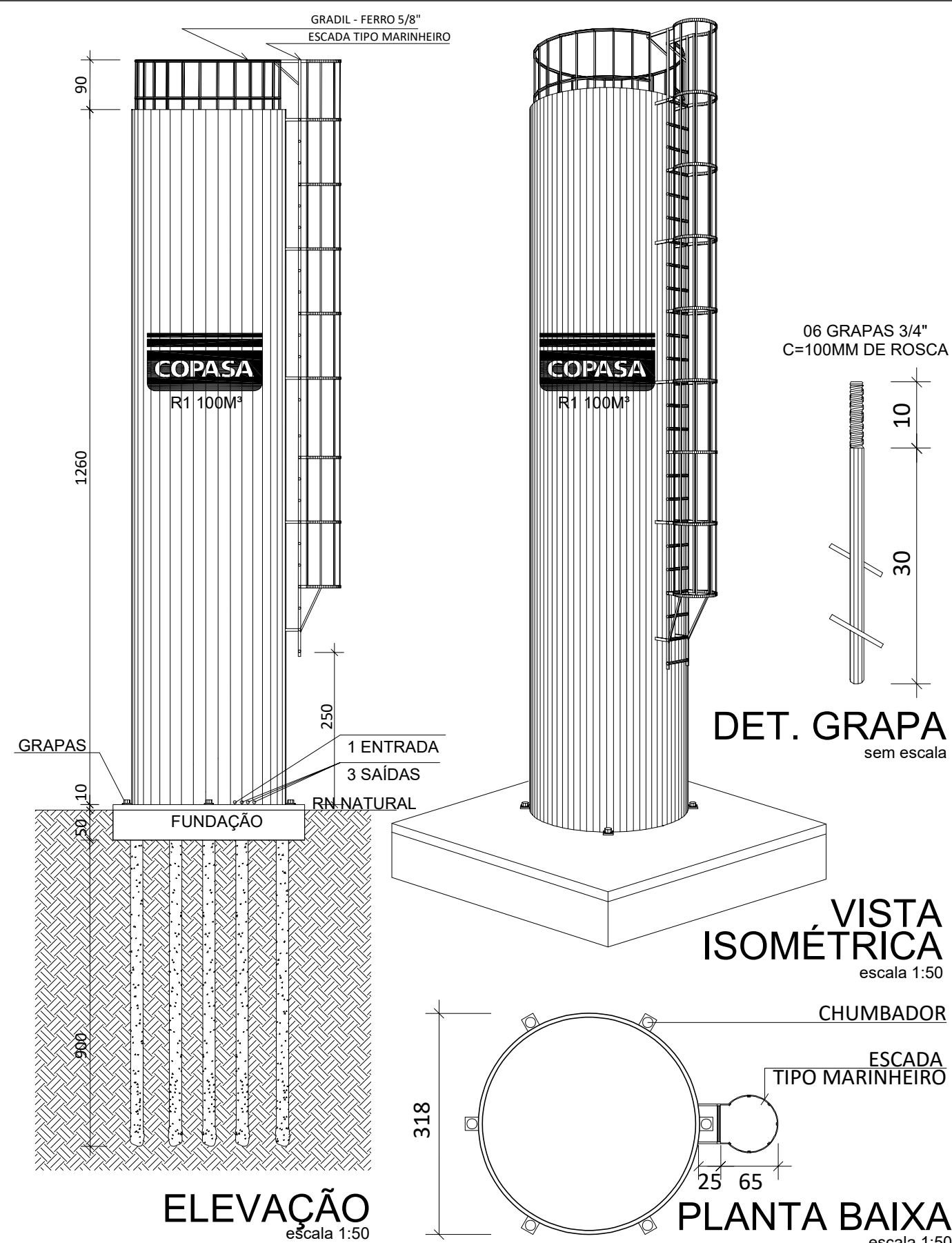
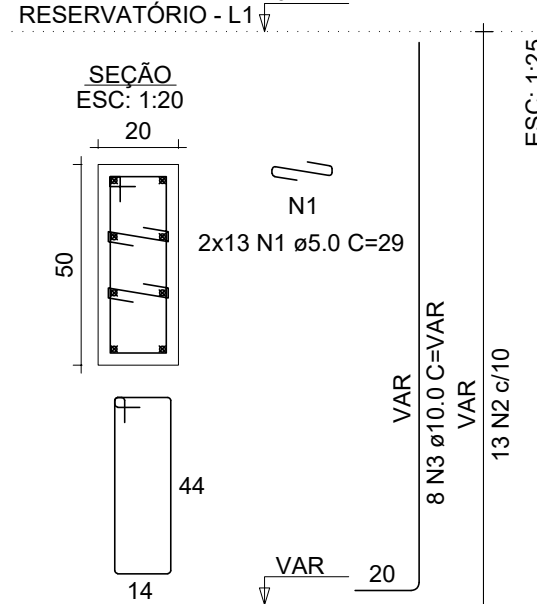
P1=P2=P3=P4=P5

=P6=P7=P8=P9=P10

=P11=P12=P13

RESERVATÓRIO - L1

ESC: 1:25



PLANTA DE SITUAÇÃO

escala 1:200

OBSERVAÇÕES:

8.					
7.					
6.					
5.					
4.					
3.					
2.					
1.					
REV.	ALTERAÇÕES	DATA	ASSINATURA	AV. CIRO NUNES, Nº908-AMAZONAS-GUANHÃES/MG	PÇA NOSSA SENHORA DA PIAVIA-380-CENTRO-RIO VERMELHO/MG-CEP: 39170-000

BÁRBARA JUDITH SILVA
SECRETÁRIA EXECUTIVA



ASSOCIAÇÃO DOS MUNICÍPIOS DA
MICRORREGIÃO DA BACIA DO SUAÇU



PREFEITURA MUNICIPAL DE RIO VERMELHO-CNPJ 18.303.255/0001-99
PÇA NOSSA SENHORA DA PIAVIA-380-CENTRO-RIO VERMELHO/MG-CEP: 39170-000

PROJETO ESTRUTURAL RESERVATÓRIO 100.000L BAIRRO CASCAALHEIRA RUA JOSÉ PLÍNIO DOS SANTOS, S/N - LOTE 02 - QUADRA 04		USO PÚBLICO FLS 02/03
RODOLFO FELIPE DE REZENDE ENR* CIVIL & AMBIENTAL CREAMG22.3.609/D		MARCUS VINICIUS DAYRELL DE OLIVEIRA PREFEITO MUNICIPAL
SINETE DA DIVISÃO DE ENGENHARIA		
REV R0 DESENHO RFR ESCALA 1:250 DATA NOV/2021 DETALHE INDICADO		

ABNT 841X564MM