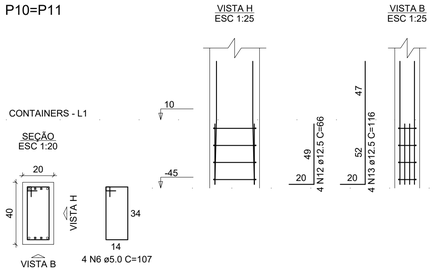
P10=P11



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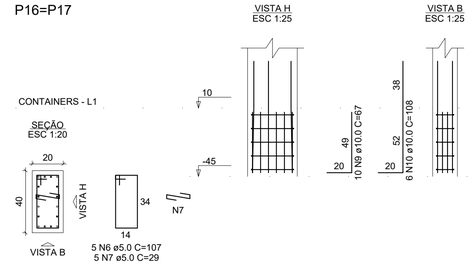

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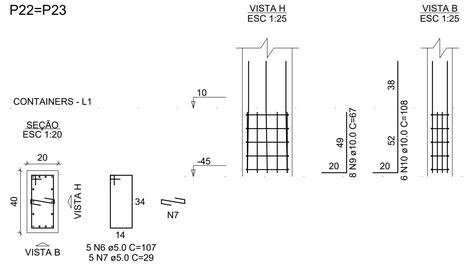

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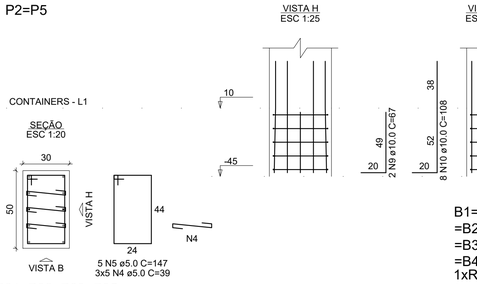
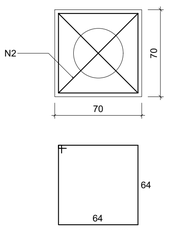
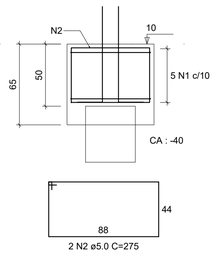


B1=B3=B4=B6=B7=B8=B13=B14=B19=B20=B25
=B26=B28=B29=B31=B32=B33=B34=B35=B36
=B37=B38=B39=B40=B41=B42=B43=B44=B45
=B46=B47=B48=B49=B50
1xR20

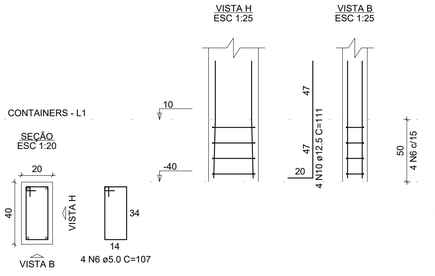
PLANTA
ESC 1:25



CORTE
ESC 1:25



P13=P14=P19=P20



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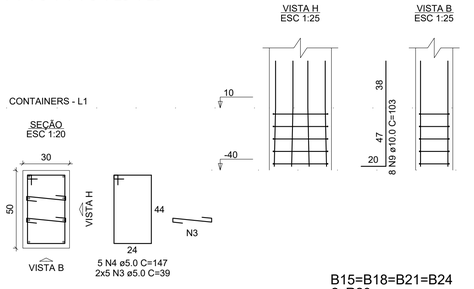

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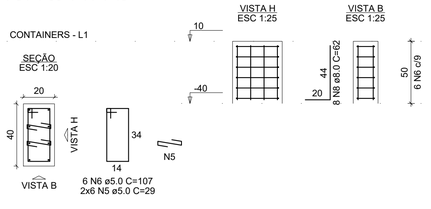
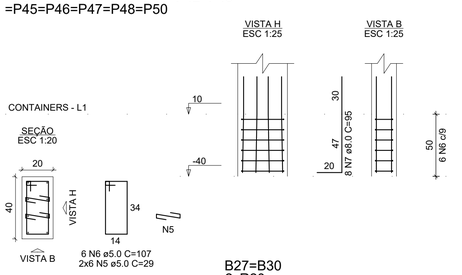
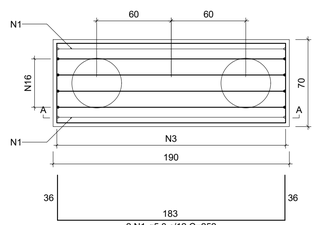


P7=P8=P25=P26=P31=P32=P33=P35=
=P36=P37=P38=P40=P41=P42=P43=
=P45=P46=P47=P48=P50

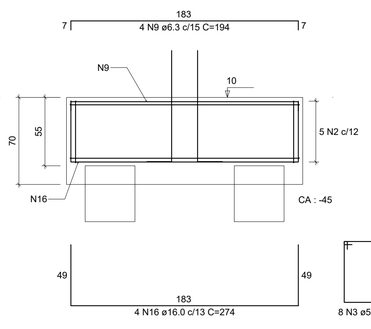


B9=B12
2xR20

PLANTA
ESC 1:25

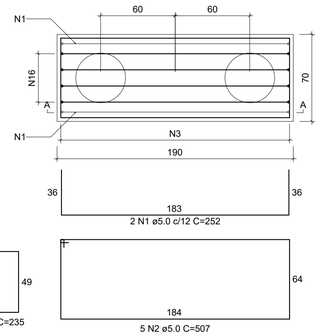


CORTE A-A
ESC 1:25

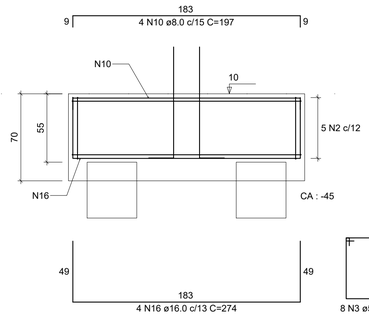


B15=B18=B21=B24
2xR20

PLANTA
ESC 1:25

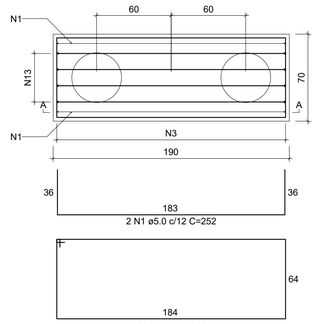


CORTE A-A
ESC 1:25

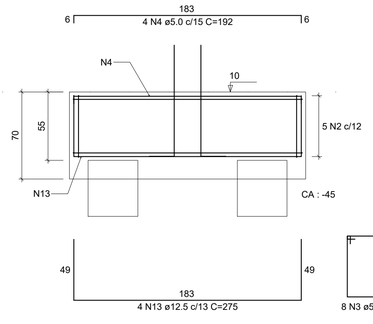


B27=B30
2xR20

PLANTA
ESC 1:25

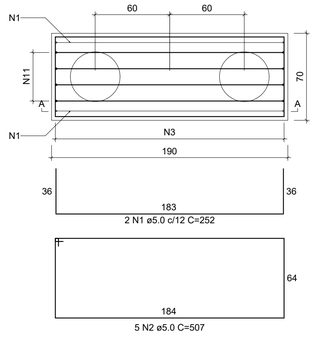


CORTE A-A
ESC 1:25

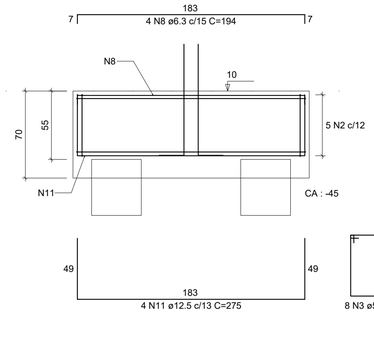


B2=B5=B10=B11=B16=B17=B22=B23
2xR20

PLANTA
ESC 1:25



CORTE A-A
ESC 1:25



RELAÇÃO DO AÇO

34xB50 4xP13 | 6xP1 4xP34 | 20xP7

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	170	267	45390
	2	5.0	60	1295	77700
	3	5.0	60	39	2340
	4	5.0	30	147	4410
	5	5.0	288	29	8352
	6	5.0	160	107	17120
	7	5.0	160	95	15200
	8	8.0	32	62	1984
	9	10.0	48	103	4944
	10	12.5	16	111	1776
CA50	11	5.0	16	252	4032
	12	5.0	40	507	20280
	13	5.0	64	235	15040
	14	5.0	30	39	1170
	15	5.0	40	147	5880
	16	5.0	40	147	5352
	17	5.0	20	107	2996
	18	5.0	20	29	580
	19	6.3	32	194	6208
	20	10.0	40	67	2680
	21	10.0	40	108	4320
	22	12.5	32	275	8800
	23	12.5	8	66	528
	24	12.5	8	116	928

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT. + 10% (Barras)	PESO + 10% (kg)
CA50	5.0	1718	191	74.5
	6.3	194.4	9	18.5
	12.5	17.6	2	18.6
	5.0	963.1	89	163.3
PESO TOTAL (kg)				
CA50	126.9			
CA60	163.3			

Volume de concreto (C-25) = 10.19 m³
Área de forma = 61.88 m²

2xB12 P9 2xP21 | 4xB24 P12 2xP27 | 2xB30 2xP15

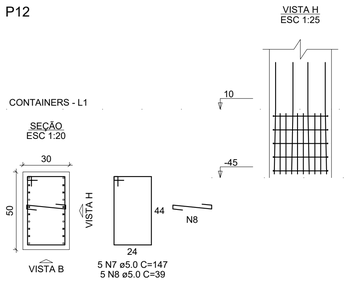
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	16	252	4032
	2	5.0	40	507	20280
	3	5.0	64	235	15040
	4	5.0	30	39	1170
	5	5.0	40	147	5880
	6	5.0	40	147	5352
	7	5.0	20	107	2996
	8	5.0	55	39	2145
	9	6.3	8	194	1552
	10	10.0	16	187	3592
	11	10.0	8	67	536
	12	10.0	56	108	6048
	13	12.5	8	275	2200
	14	12.5	6	66	396
	15	12.5	8	116	928
	16	16.0	24	274	6576

RESUMO DO AÇO

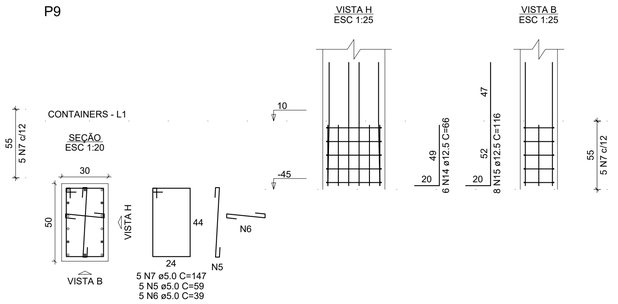
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT. + 10% (Barras)	PESO + 10% (kg)
CA50	6.3	15.5	2	4.2
	8.0	111.6	11	13.7
	10.0	131.8	13	31.7
	12.5	35.2	4	37.3
	16.0	65.8	7	114.2
	5.0	494	46	83.8
PESO TOTAL (kg)				
CA50	250.4			
CA60	83.8			

Volume de concreto (C-25) = 7.15 m³
Área de forma = 29.12 m²

P12



P9



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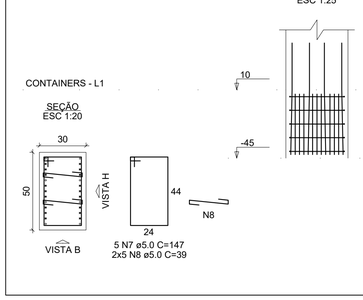

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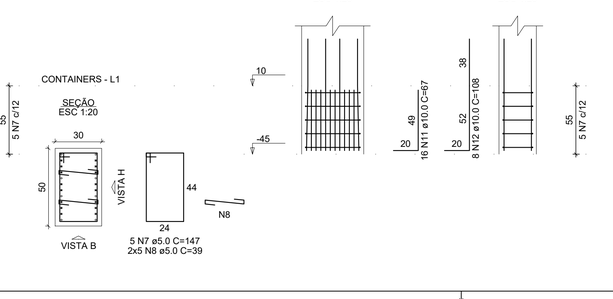

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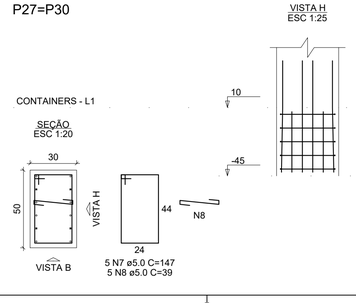

PREFEITURA MUNICIPAL DE LAJINHA

Obra:
Construção de estação para transbordo de resíduos sólidos do Município de Lajinha/MG;

Responsável técnico:
LUCAS HENRIQUE DA SILVA PAIVA:11894658680
Assinado de forma digital por LUCAS HENRIQUE DA SILVA PAIVA:11894658680
Dados: 2025.03.26 13:46:02 -03'00'
LUCAS HENRIQUE S. PAIVA - CREA-MG: 226.732/D

ART. VINCULADA:
MG20253818537

CONVÊNIO:

Proprietário:
RENATO CARDOSO DE LAIA:00171777662
Assinado de forma digital por RENATO CARDOSO DE LAIA:00171777662
Dados: 2025.03.26 13:47:04 -03'00'
PREFEITURA MUNICIPAL DE LAJINHA/MG

Desenho:
Lucas Henrique da Silva Paiva

Endereço:
Rodovia MG-108 - Coordenadas Geógraficas: 20°12'12.5"S 41°42'43.6"W

Folha: 2 de: 11

Discriminação:
ESTRUTURAL EXECUTIVO

Data:	Escala:	Área:	Conferência:
MÊS 03/2025	Indicada	360,00m²	LUCAS PAIVA