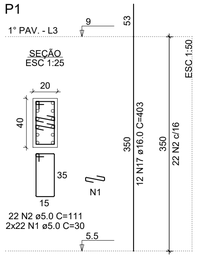
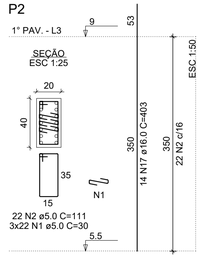
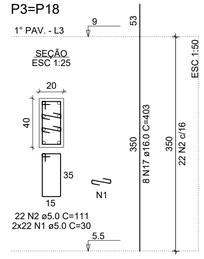
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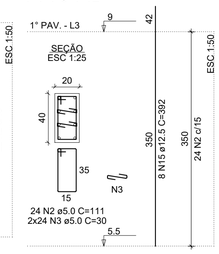
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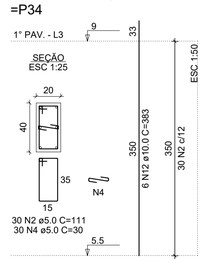
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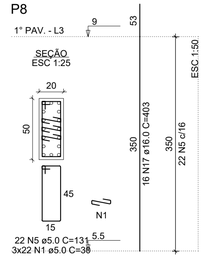
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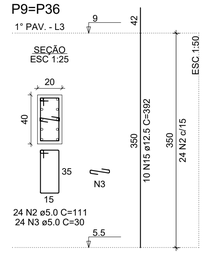
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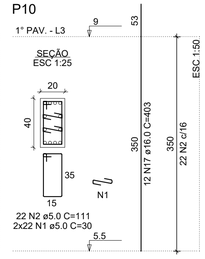
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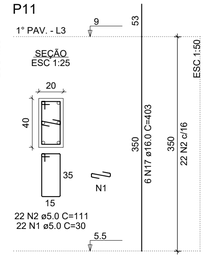
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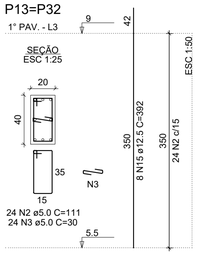
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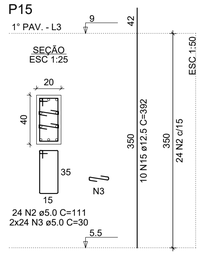
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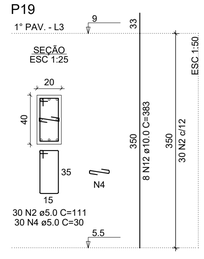
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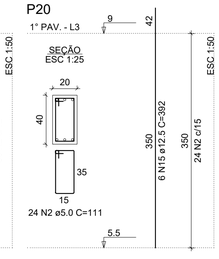
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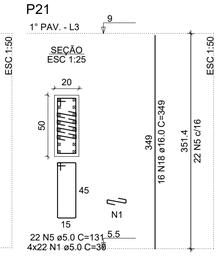
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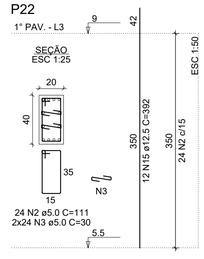
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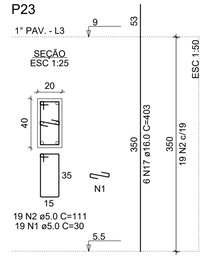
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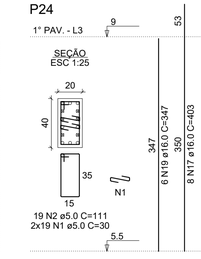
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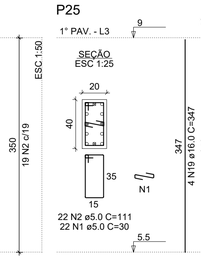
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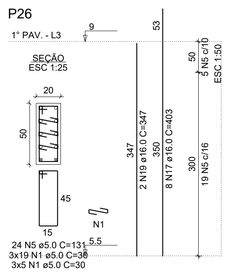
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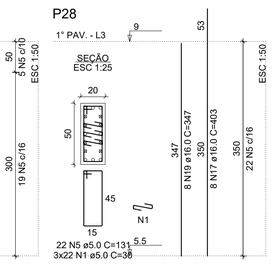
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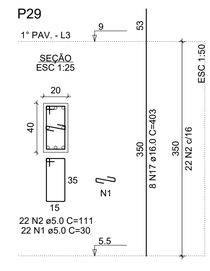
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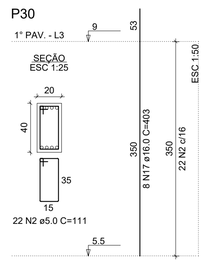
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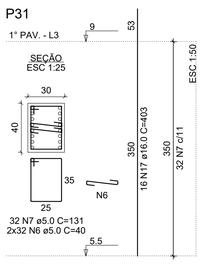
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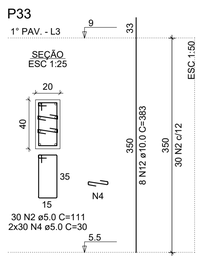
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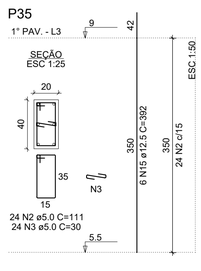
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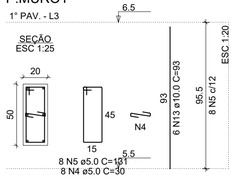
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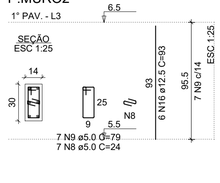
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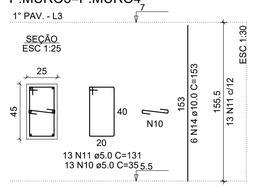
P.MURO1



P.MURO2



P.MURO3=P.MURO4



RELAÇÃO DO AÇO

P1	P2	2xP3
3xP4	6xP5	P8
2xP9	P10	P11
2xP13	P15	P19
P20	P21	P22
P23	P24	P25
P26	P28	P29
P30	P31	P33
P35	P.MURO1	P.MURO2
2xP.MURO3		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	657	30	19710
	2	5.0	740	111	82140
	3	5.0	360	30	10800
	4	5.0	278	30	8340
	5	5.0	98	131	12838
	6	5.0	64	40	2560
	7	5.0	32	131	4192
	8	5.0	7	24	168
	9	5.0	7	79	553
	10	5.0	26	35	910
	11	5.0	26	131	3406
CA50	12	10.0	52	383	19916
	13	10.0	6	93	558
	14	10.0	12	153	1836
	15	12.5	94	392	36848
	16	12.5	6	93	558
	17	16.0	146	403	58838
	18	16.0	16	349	5584
	19	16.0	20	347	6940

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	223.1	151.3
	12.5	374.1	396.4
	16.0	713.6	1239
CA60	5.0	1456.2	246.9

PESO TOTAL (kg)	
CA50	1786.7
CA60	246.9

Volume de concreto (C-30) = 10.71 m³
Área de forma = 157.05 m²

OBSERVAÇÕES:

01- COTAS E NIVEIS DEVEM SER VERIFICADOS NO PROJETO DE ARQUITETURA
02- A LOCAÇÃO NO TERRENO DEVE SER VERIFICADA NA PLANTA DE SITUAÇÃO
03- OS QUANTITATIVOS PODEM VARIAR CONFORME EXECUÇÃO IN LOCO

MULIN ARQUITETURA
ARQUITETURA | HIDROSSANITÁRIOS | ELÉTRICA | MÓVEIS | INTERIORES
End.: R. Ana Catarina de Azevedo, nº 64, Loja 01, Centro, Itaocara - RJ
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E-mail: mulinarquitetura@gmail.com
(22)99722-1887
/mulinarquitetura
mulinarquitetura

PROJETO ESTRUTURAL PARA CONSTRUÇÃO DE FUTURA ESCOLA MUNICIPAL PROFESSORA LUCIA DE FÁTIMA FARAH NORONHA (TIA LUCINHA), COMPOSTA DE QUATRO PAVIMENTOS, SENDO UM SEMI-ENTERRADO, LOCALIZADA A RUA DOUTOR CHAPOT PREVOST, Nº 157, CENTRO, CANTAGALO - RIO DE JANEIRO, CEP 28.500-000

DET. ARM. PILARES ATÉ O PAV. 01

DATA:	ESCALA:	PROJETO:	ENDEREÇO:	TIPO DE OBRA:
09/02/2026	INDICADA	ALOIR JR.	RUA CHAPOT PREVOST, CENTRO, CANTAGALO - RIO DE JANEIRO, CEP 28.500-000	CONSTRUÇÃO

PROPRIETÁRIO: CNPJ 28.645.797/00001-60
MUNICÍPIO DE CANTAGALO

CÓDIGO DO PROJETO: 25055-EST-PE-022-00
código do projeto - disciplina - etapa projetual - nº da prancha - nº da revisão

AUTOR DO PROJETO: REGISTRO: PJ47215-1
LUCAS DE PINHO MULIN ARQUITETURA E CONSTRUÇÃO ME

RESPONSÁVEL TÉCNICO: REGISTRO:

FORMATO A1