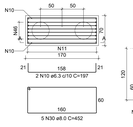
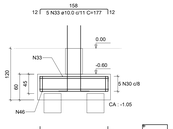
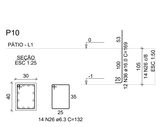
B10
2xE40
PLANTA
ESC 1:40



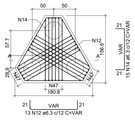
CORTE A-A
ESC 1:40



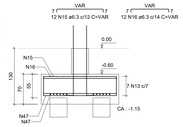
P10
PÁTIO - L1
SEÇÃO
ESC 1:25



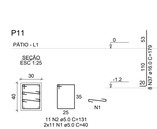
B11
3xE40
PLANTA
ESC 1:40



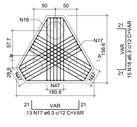
CORTE A-A
ESC 1:40



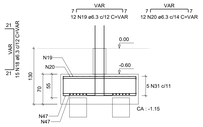
P11
PÁTIO - L1
SEÇÃO
ESC 1:25



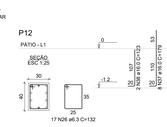
B12
2xE40
PLANTA
ESC 1:40



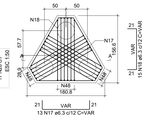
CORTE A-A
ESC 1:40



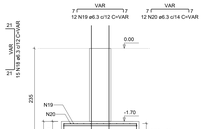
P12
PÁTIO - L1
SEÇÃO
ESC 1:25



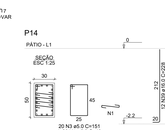
B14
3xE40
PLANTA
ESC 1:40



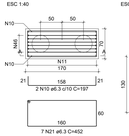
CORTE A-A
ESC 1:40



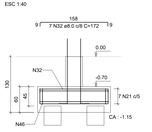
P14
PÁTIO - L1
SEÇÃO
ESC 1:25



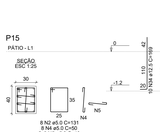
B15
2xE40
PLANTA
ESC 1:40



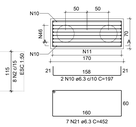
CORTE A-A
ESC 1:40



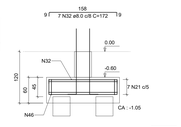
P15
PÁTIO - L1
SEÇÃO
ESC 1:25



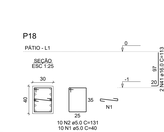
B18
2xE40
PLANTA
ESC 1:40



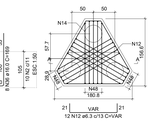
CORTE A-A
ESC 1:40



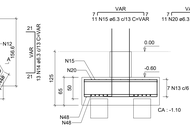
P18
PÁTIO - L1
SEÇÃO
ESC 1:25



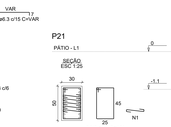
B21
3xE40
PLANTA
ESC 1:40



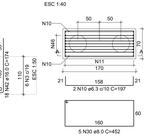
CORTE A-A
ESC 1:40



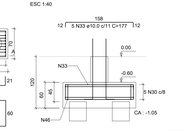
P21
PÁTIO - L1
SEÇÃO
ESC 1:25



B22
2xE40
PLANTA
ESC 1:40



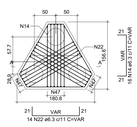
CORTE A-A
ESC 1:40



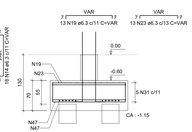
P22
PÁTIO - L1
SEÇÃO
ESC 1:25



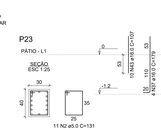
B23
3xE40
PLANTA
ESC 1:40



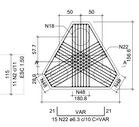
CORTE A-A
ESC 1:40



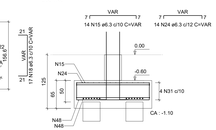
P23
PÁTIO - L1
SEÇÃO
ESC 1:25



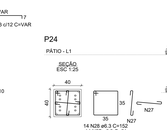
B24
3xE40
PLANTA
ESC 1:40



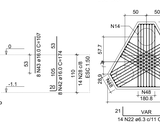
CORTE A-A
ESC 1:40



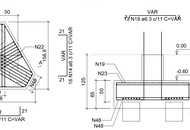
P24
PÁTIO - L1
SEÇÃO
ESC 1:25



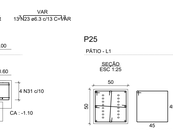
B25
3xE40
PLANTA
ESC 1:40



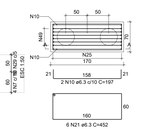
CORTE A-A
ESC 1:40



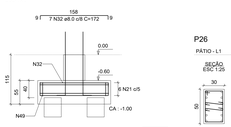
P25
PÁTIO - L1
SEÇÃO
ESC 1:25



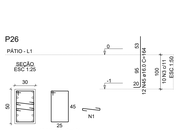
B26
2xE40
PLANTA
ESC 1:40



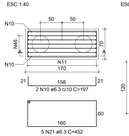
CORTE A-A
ESC 1:40



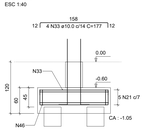
P26
PÁTIO - L1
SEÇÃO
ESC 1:25



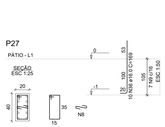
B27
2xE40
PLANTA
ESC 1:40



CORTE A-A
ESC 1:40



P27
PÁTIO - L1
SEÇÃO
ESC 1:25



RELAÇÃO DO AÇO

B10	B11	B12
B14	B15	B18
B21	B22	B23
B24	B25	B26
B27	P10	P11
P12	P14	P15
P18	P21	P22
P23	P24	P25
P26	P27	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	162	151	24480
	2	5.0	50	151	7550
	3	5.0	36	151	5436
	4	5.0	8	50	400
	5	5.0	36	40	1440
	6	5.0	4	151	604
	7	5.0	4	191	764
	8	5.0	7	30	210
	9	5.0	7	111	777
CA50	10	6.3	12	197	2364
	11	6.3	12	1000	12000
	12	6.3	25	VAR	VAR
	13	6.3	14	523	7322
	14	6.3	60	VAR	VAR
	15	6.3	37	VAR	VAR
	16	6.3	17	VAR	VAR
	17	6.3	20	VAR	VAR
	18	6.3	47	VAR	VAR
	19	6.3	30	VAR	VAR
	20	6.3	30	VAR	VAR
	21	6.3	25	432	11300
	22	6.3	43	VAR	VAR
	23	6.3	26	VAR	VAR
	24	6.3	7	1000	7000
	25	6.3	7	156	1316
	26	6.3	31	132	4092
	27	6.3	28	51	1428
	28	6.3	14	152	2128
	29	6.3	14	188	2632
	30	8.0	10	452	4520
	31	8.0	22	523	11506
	32	8.0	21	172	3612
	33	10.0	14	177	2478
	34	10.0	14	1000	14000
	35	12.5	12	159	1908
	36	16.0	30	169	5070
	37	16.0	20	178	3560
	38	16.0	12	1000	12000
	39	16.0	12	228	2736
	40	16.0	9	284	2272
	41	16.0	2	113	226
	42	16.0	2	1000	2000
	43	16.0	34	107	3638
	44	16.0	6	118	708
	45	16.0	12	164	1968
	46	20.0	30	216	6480
	47	20.0	20	213	4260
	48	20.0	75	213	15975
	49	20.0	6	206	1236

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (cm)	PESO + 10% (kg)
CA50	6.3	882.4	230.1
	8.0	196.4	77.2
	10.0	24.8	18.8
	12.5	30	28.1
	16.0	2031.2	1220.1
	20.0	237.3	583.4
	5.0	237.1	40.2
PESO TOTAL (kg)			
CA50	1781.2		
CA60	40.2		

Volume de concreto (C-30) = 13.81 m³
Área de forma = 56.08 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- ENTRAR EM CONTATO COM O PROJETISTA EM CASO DE TERRENO APRESENTAR RESISTÊNCIA DE SOLO MENOR QUE A ESTIMADA.
04- OS QUANTITATIVOS PODEM VARIAR CONFORME EXECUÇÃO IN LOCO

MULIN ARQUITETURA
ARQUITETURA | HIDROSSANITÁRIOS | ELÉTRICA | NOVEIS | INTERIORES
End.: R. Ana Catarina de Azevedo, nº 54, Lote 01, Centro, Bacaxá - RJ
www.mulinarquitetura.com
mulin.mulinarquitetura@gmail.com
(22) 99912-1997
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. BLOCOS PÁTIO

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 28.645.797/0001-60	CÓDIGO DO PROJETO:
MUNICIPIO DE CANTAGALO		25055-EST-PE- 009-00
AUTOR DO PROJETO	REGISTRO: PJ47215-1	RESPONSÁVEL TÉCNICO / REGISTRO
LUCAS DE PINHO MULIN ARQUITETURA E CONSTRUÇÃO ME		

FORMATO A1 ESTENDIDO - 594 x 1500