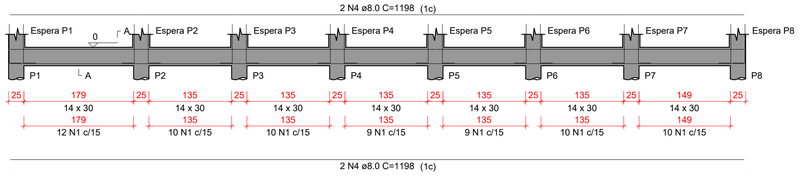
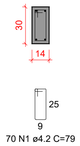
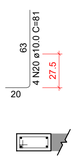
V1
ESC 1:50



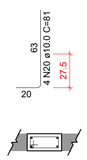
SEÇÃO A-A
ESC 1:25



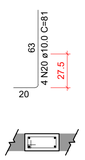
ESPERA P1
ESC 1:25



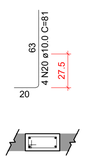
ESPERA P2
ESC 1:25



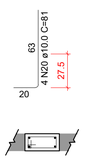
ESPERA P3
ESC 1:25



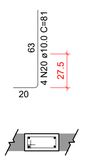
ESPERA P4
ESC 1:25



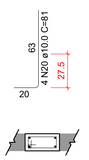
ESPERA P5
ESC 1:25



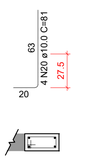
ESPERA P6
ESC 1:25



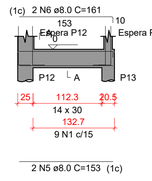
ESPERA P7
ESC 1:25



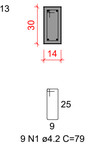
ESPERA P8
ESC 1:25



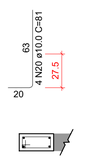
V2
ESC 1:50



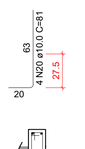
SEÇÃO A-A
ESC 1:25



ESPERA P12
ESC 1:25



ESPERA P13
ESC 1:25



RELAÇÃO DO AÇO

V1 V2 V3
V4 V5 V6
V7 V8 V9
V10 V11 V12
V13

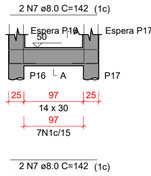
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	4.2	305	79	24095
	2	4.2	73	69	5037
	3	5.0	100	75	7500
CA50	4	8.0	6	1198	7188
	5	8.0	4	153	612
	6	8.0	4	161	644
	7	8.0	8	142	1136
	8	8.0	2	1041	2082
	9	8.0	2	211	422
	10	8.0	4	151	604
	11	8.0	4	167	668
	12	8.0	2	615	1230
	13	8.0	2	631	1262
	14	8.0	2	500	1000
	15	8.0	2	508	1016
	16	8.0	2	630	1260
	17	8.0	2	638	1276
	18	8.0	4	476	1904
	19	8.0	4	468	1872
	20	10.0	128	81	10368
	21	10.0	8	76	608

RESUMO DO AÇO

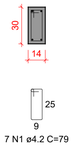
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	241.8	104.9
	10.0	109.8	74.4
CA60	4.2	291.3	34.9
	5.0	75	12.7
PESO TOTAL (kg)			
CA50	179.4		
CA60	47.6		

Volume de concreto (C-30) = 2.24 m³
Área de forma = 39.65 m²

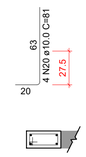
V3
ESC 1:50



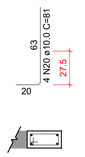
SEÇÃO A-A
ESC 1:25



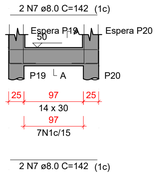
ESPERA P16
ESC 1:25



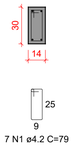
ESPERA P17
ESC 1:25



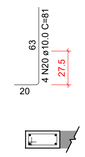
V4
ESC 1:50



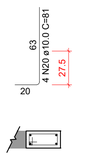
SEÇÃO A-A
ESC 1:25



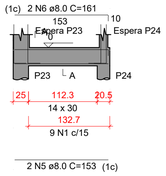
ESPERA P19
ESC 1:25



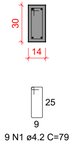
ESPERA P20
ESC 1:25



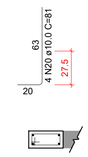
V5
ESC 1:50



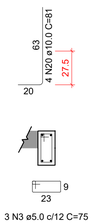
SEÇÃO A-A
ESC 1:25



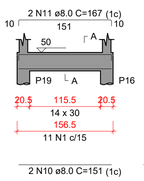
ESPERA P23
ESC 1:25



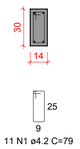
ESPERA P24
ESC 1:25



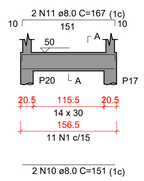
V7
ESC 1:50



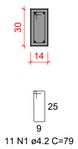
SEÇÃO A-A
ESC 1:25



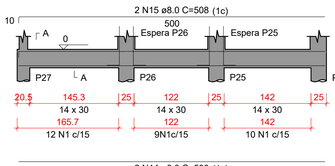
V8
ESC 1:50



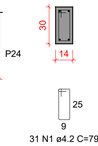
SEÇÃO A-A
ESC 1:25



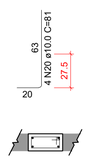
V10
ESC 1:50



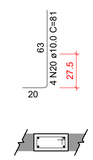
SEÇÃO A-A
ESC 1:25



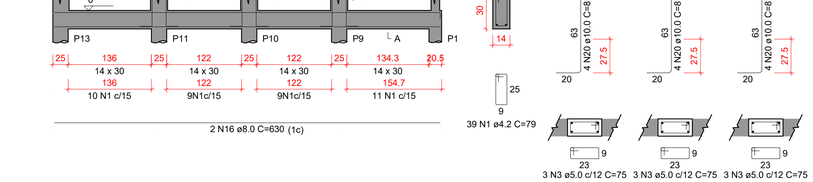
ESPERA P26
ESC 1:25



ESPERA P25
ESC 1:25



V6
ESC 1:50



SEÇÃO A-A
ESC 1:25

ESPERA P27
ESC 1:25

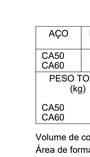
ESPERA P28
ESC 1:25

ESPERA P29
ESC 1:25

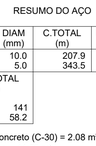
ESPERA P30
ESC 1:25

ESPERA P31
ESC 1:25

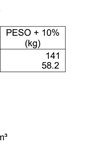
ESPERA P32
ESC 1:25



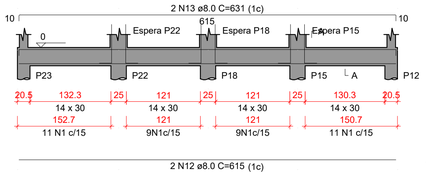
ESPERA P33
ESC 1:25



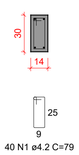
ESPERA P34
ESC 1:25



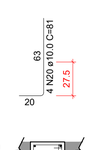
V9
ESC 1:50



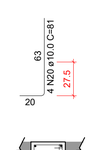
SEÇÃO A-A
ESC 1:25



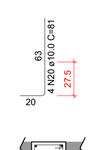
ESPERA P22
ESC 1:25



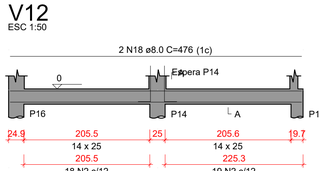
ESPERA P18
ESC 1:25



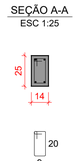
ESPERA P15
ESC 1:25



V12
ESC 1:50

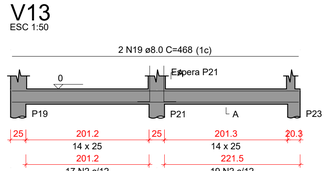


SEÇÃO A-A
ESC 1:25

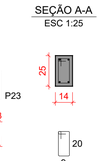


ESPERA P14
ESC 1:25

V13
ESC 1:50

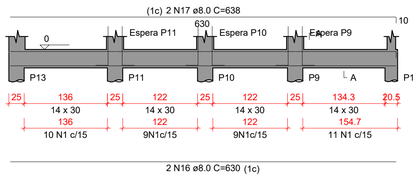


SEÇÃO A-A
ESC 1:25

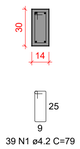


ESPERA P21
ESC 1:25

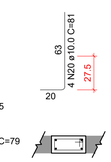
V11
ESC 1:50



SEÇÃO A-A
ESC 1:25



ESPERA P11
ESC 1:25



ESPERA P10
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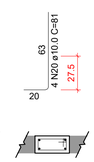
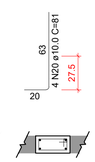
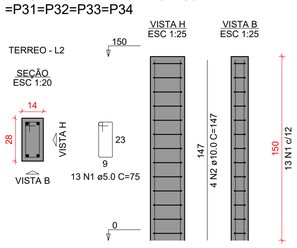


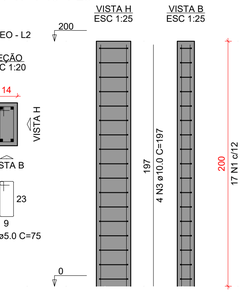
ESPERA P9
ESC 1:25



P1=P2=P3=P4=P5=P6=P7=P8=
=P9=P10=P11=P12=P13=P14=
=P15=P18=P21=P22=P23=P24=
=P25=P26=P27=P28=P29=P30=
=P31=P32=P33=P34



P16=P17=P19=P20



RELAÇÃO DO AÇO

30xP1 4xP16

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	458	75	34350
CA50	2	10.0	120	147	17640
	3	10.0	16	197	3152

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	207.9	141
CA60	5.0	343.5	58.2
PESO TOTAL (kg)			
CA50	141		
CA60	58.2		

Volume de concreto (C-30) = 2.08 m³
Área de forma = 44.52 m²

PROJETO ESTRUTURAL
PROJETO ESTRUTURAL - BANHEIRO / VESTIÁRIO

FOLHA
8/12

ASSUNTO
REFORMA BANHEIRO / VESTIÁRIO - RECINTO DE FESTAS "MAURO ROBERTO DE MORAES"

LOCAL
AV. AMANTINO ROLIM DE MOURA, Nº 929, JARDIM NOVO HORIZONTE, ITAÍ-SP

PROPRIETÁRIO (A)
PREFEITURA MUNICIPAL DE ITAÍ

ESCALAS:
INDICADAS

LOCALIZAÇÃO (s/ escala)

ÁREAS

BANHEIRO / VESTIÁRIO ——— 117,38 m²
CALÇADA EXTERNA ——— 107,61 m
ÁREA TOTAL ——— 224,99 m

DECLARO QUE A APROVAÇÃO DO PROJETO NÃO IMPLICA NO RECONHECIMENTO POR PARTE DA PREFEITURA DO DIREITO DE PROPRIEDADE DO TERRENO.

PROPRIETÁRIO

PREFEITURA MUNICIPAL DE ITAÍ
JOSÉ RAMIRO ANTUNES DO PRADO
PREFEITO MUNICIPAL

AUTOR DO PROJETO

DANIELA MARANGONI
ENGENHEIRA CIVIL
CREA: 5070463440-SP

RESP. TÉCNICO

JOÃO OTÁVIO CASTILHO DOS SANTOS
ENGENHEIRO CIVIL
CREA: 5069242916-SP

DIREITOS AUTORAIS RESERVADOS LEI 5.194/66

ENG. RESPONSÁVEL	ENG. PROJETO	DATA	ARQ. ELETRÔNICO	ARQUIVO - CAD
JOÃO OTÁVIO	DANIELA MARANGONI	04/03/2023		

A1 - 841x594mm