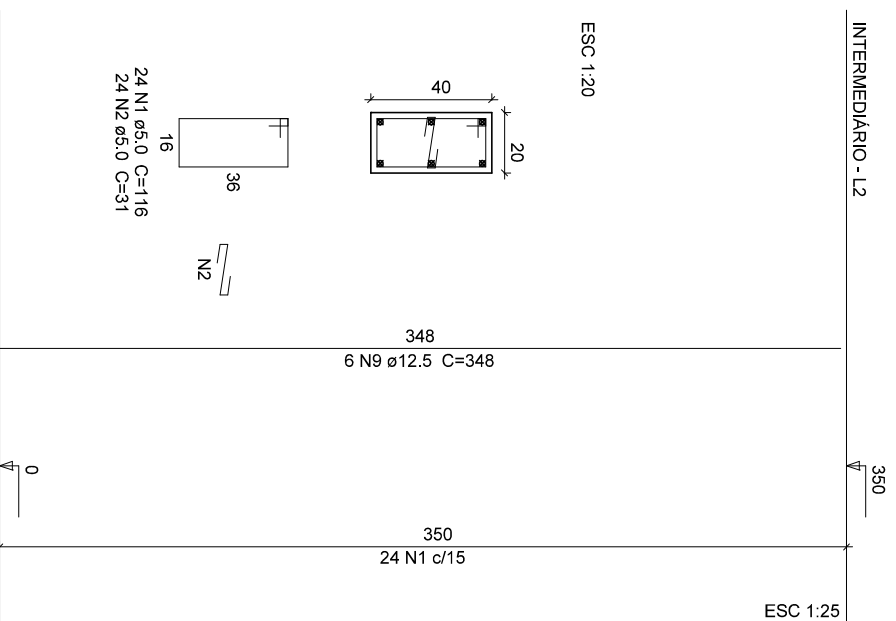
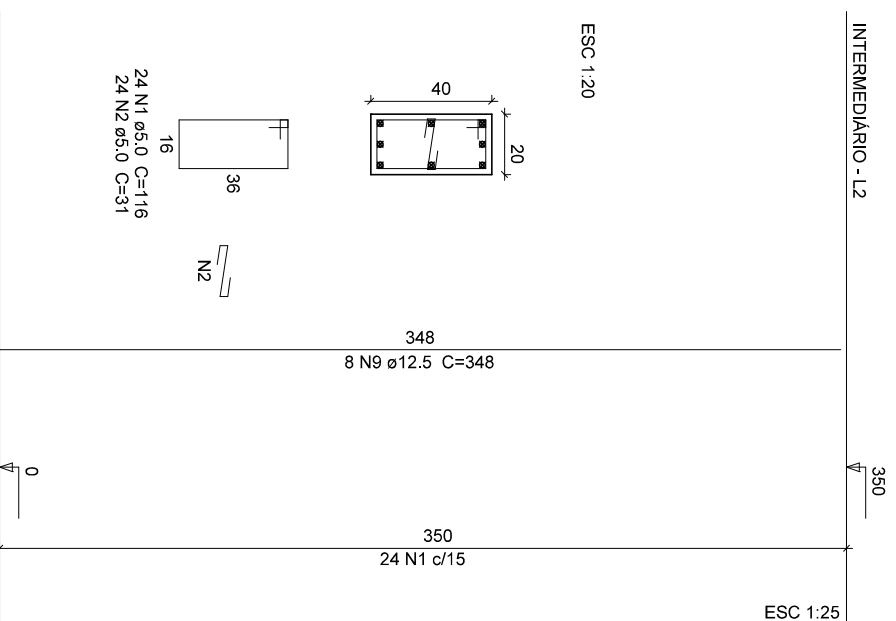


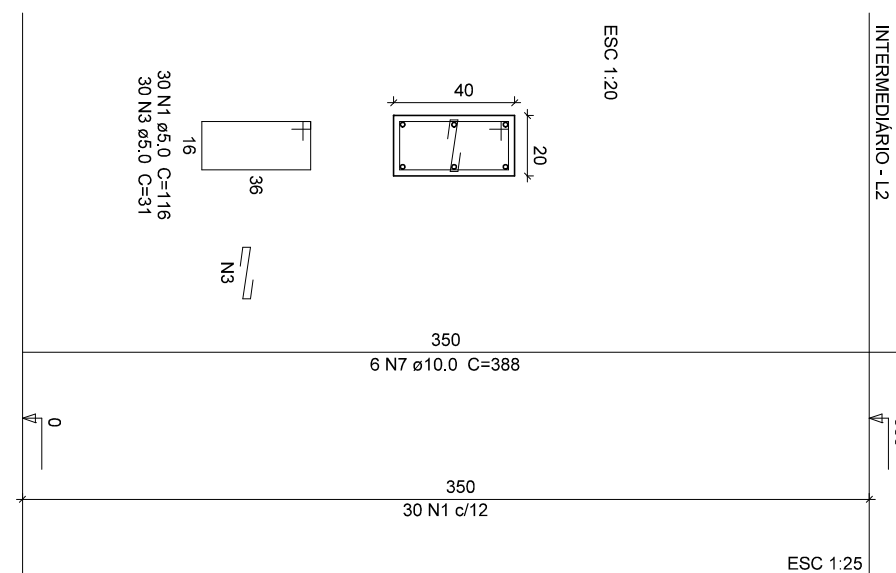
P1=P5=P6



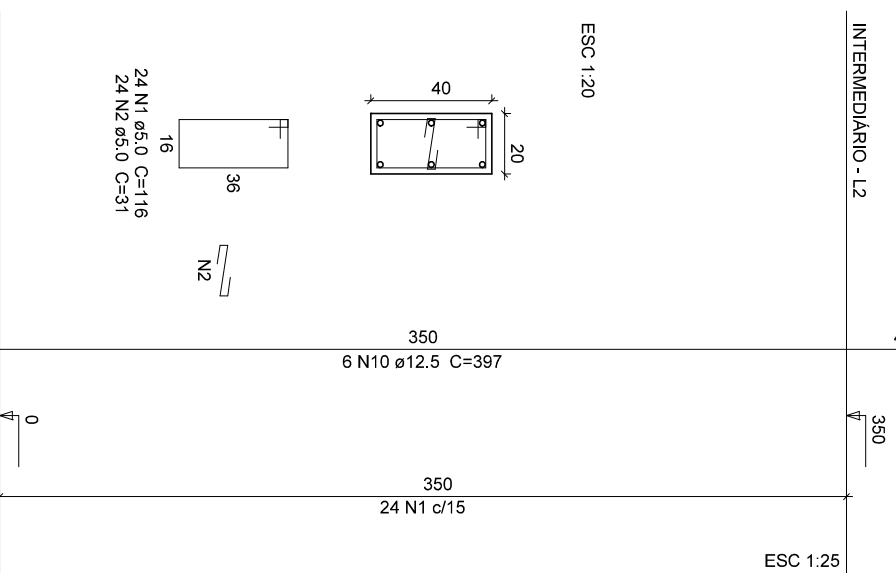
P2



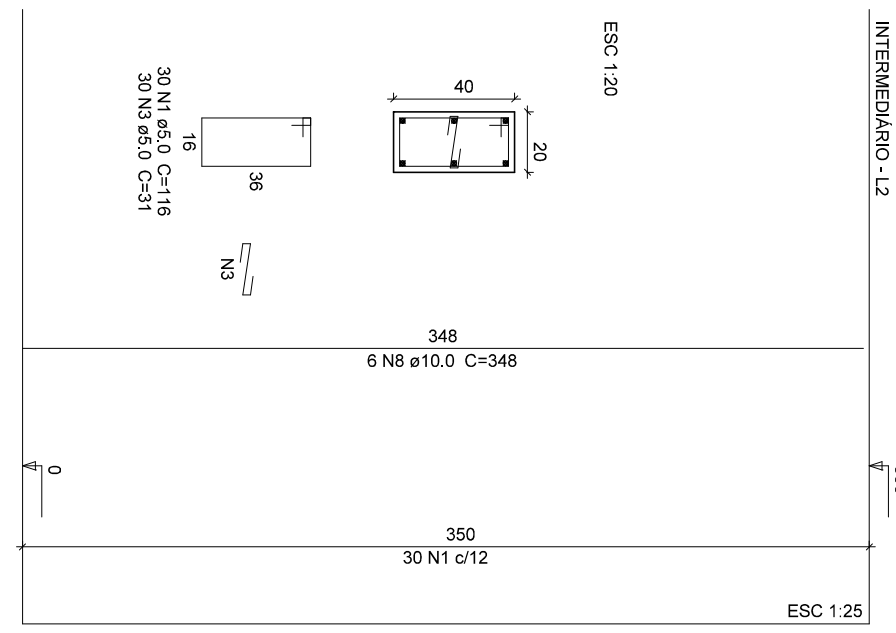
P3



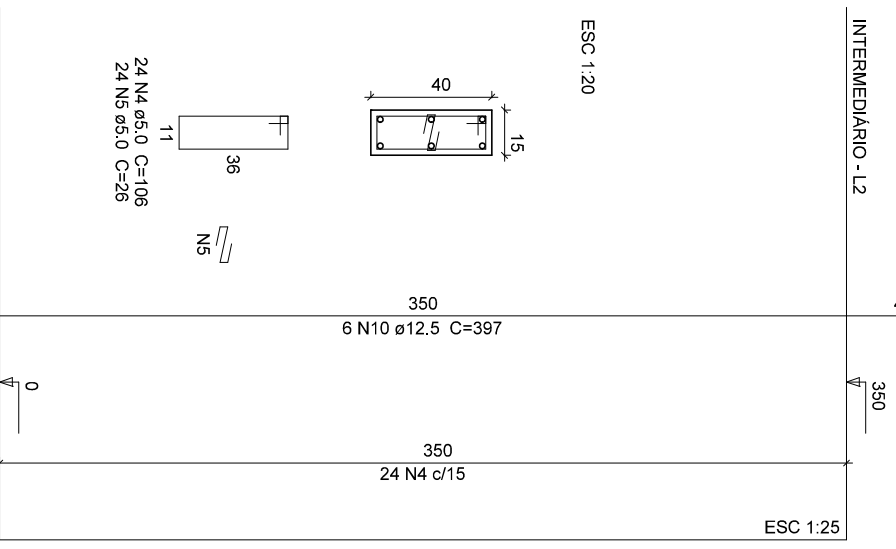
P4=P15=P16=P20



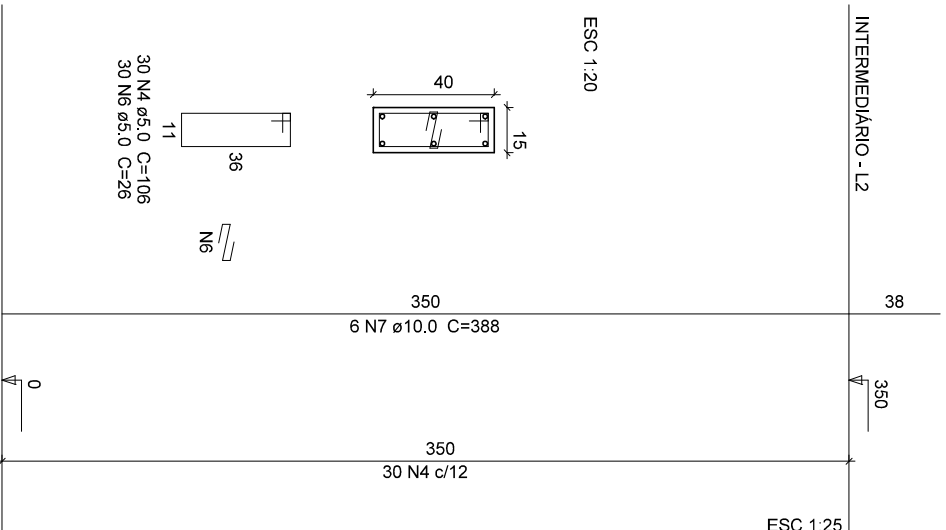
P7=P8=P9=P10=P11=P12=P13=P14



P17=P18



P19



Relação do aço

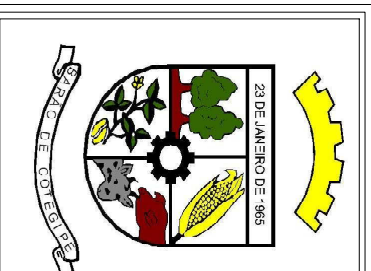
3a P1	P2	P3			
4a P4	8a P7	2a P17			
P19					
AÇO	N	DIAM (mm)	QUANT (Barras)	UNID	C.TOTAL (cm)
CA60	1	5,0	462	116	53592
	2	5,0	192	31	59952
	3	5,0	270	31	8370
	4	5,0	78	106	8288
	5	5,0	48	26	1248
	6	5,0	30	26	780
CA50	7	10,0	12	388	4656
	8	10,0	48	348	16704
	9	12,5	28	348	9048
	10	12,5	36	397	14292

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10,0	213,6	144,9
CA60	12,5	233,4	247,3
CA60	5,0	782,1	132,6
PESO TOTAL (kg)			
CA50		382,2	
CA60		132,6	

Volume de concreto (C-29) = 5,39 m³

Área de forma = 82,35 m²



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Título: PROJETO DE AMPLIAÇÃO DE UNIDADE BÁSICA DE SAÚDE

Referência: ARMADURA DE PILARES NÍVEL BALDRAME / INTERMEDIÁRIO

Endereço: RUA JOSÉ MANTOVANI, QUADRA Nº 40, PARTES LOTES Nº 07 / Nº 09

Proprietário(a):

Assinatura:

PREFETURA MUNICIPAL DE BAIRÃO DE COTEGIPE - RS
 CNPJ: 87.613.451/0001-82

Responsável Técnico Profissional:

Assinatura:

LUIS CARLOS BALESTRIN
 Eng.º CIVIL CREA RS 096570-D

Escala:

Data: DEZ / 2015

Assinatura:

PRANCHA: EST 06

ARQUIVO: