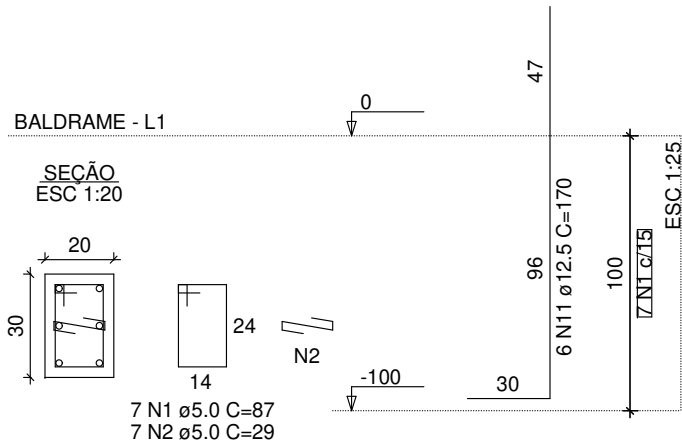
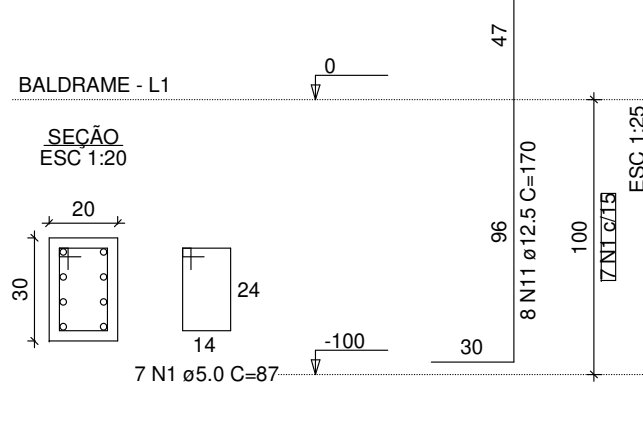


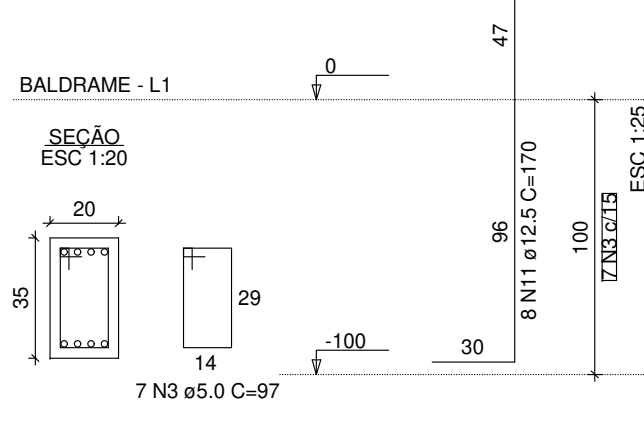
P1=P3=P6



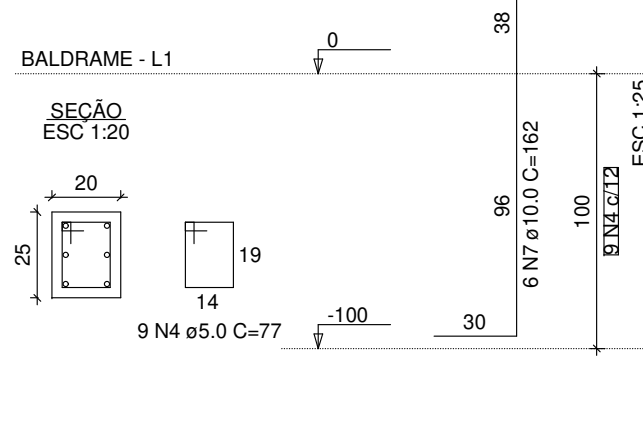
P2=P4



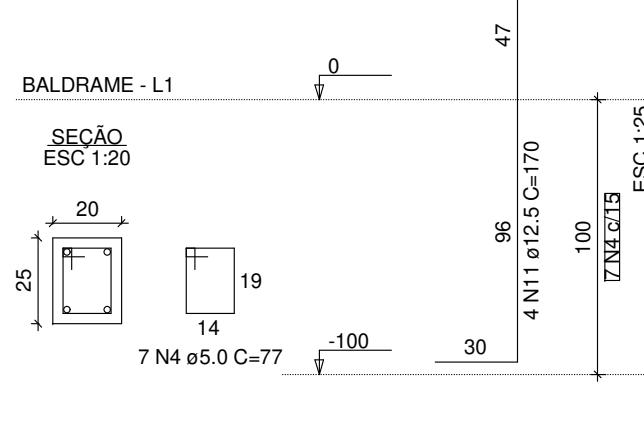
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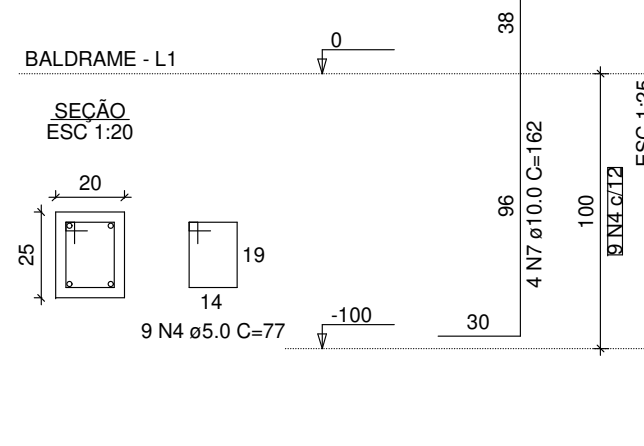
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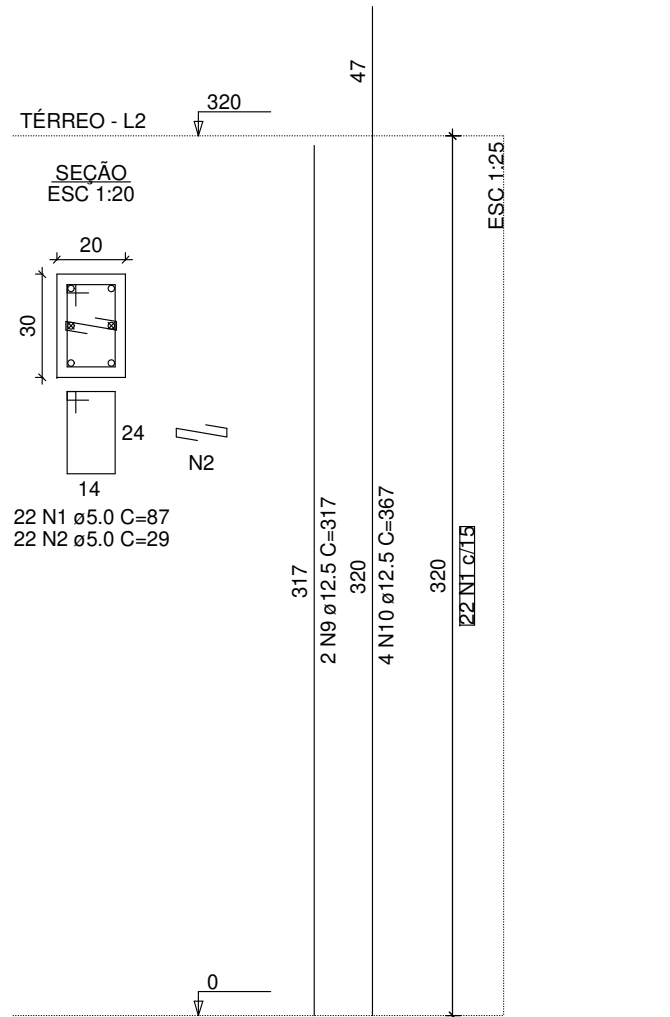
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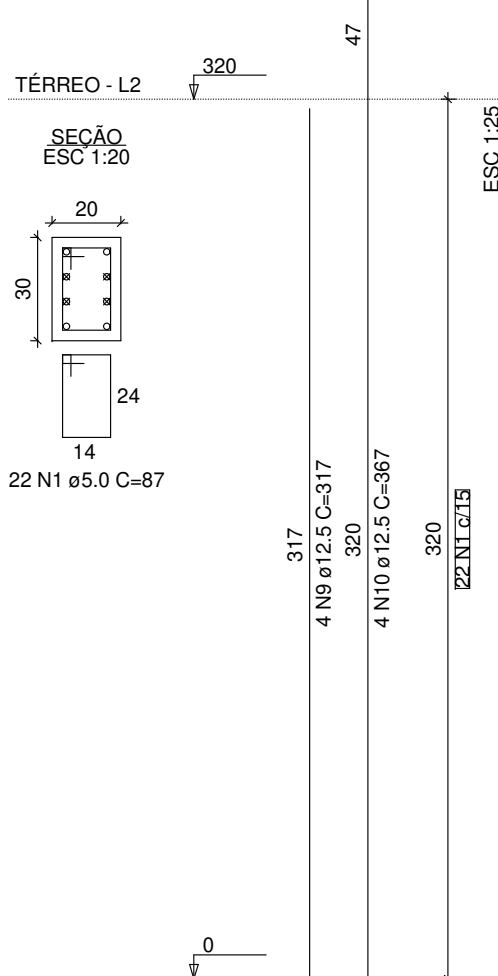
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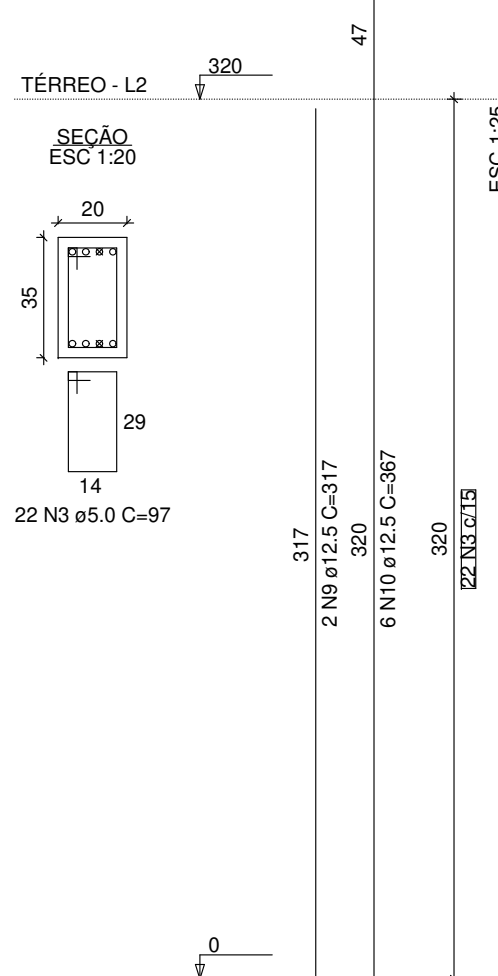
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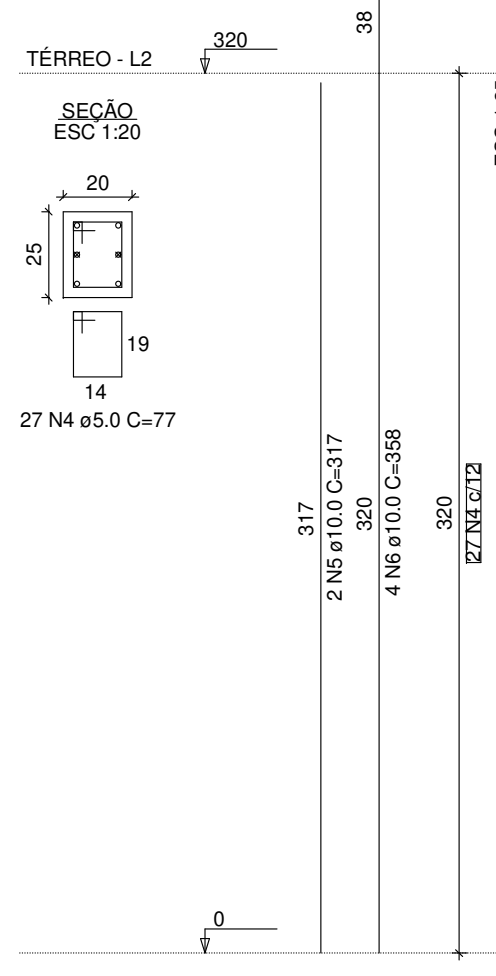
P2=P4



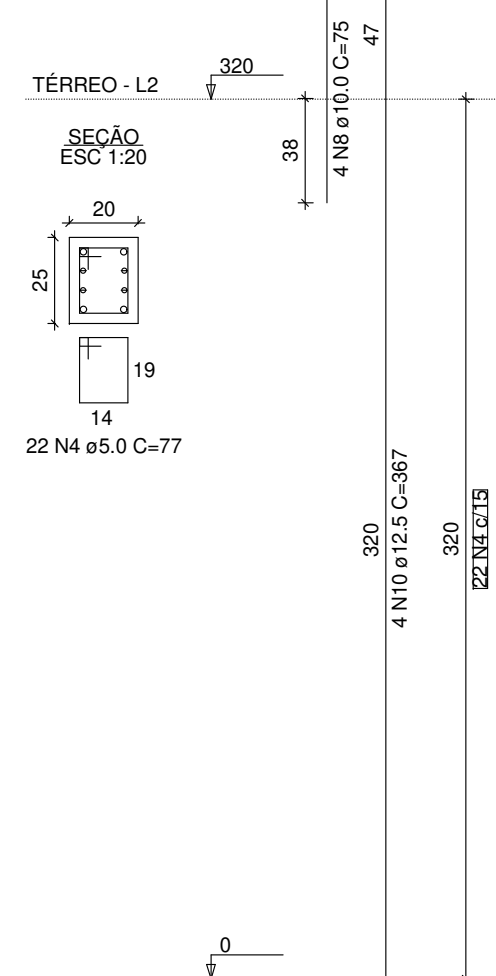
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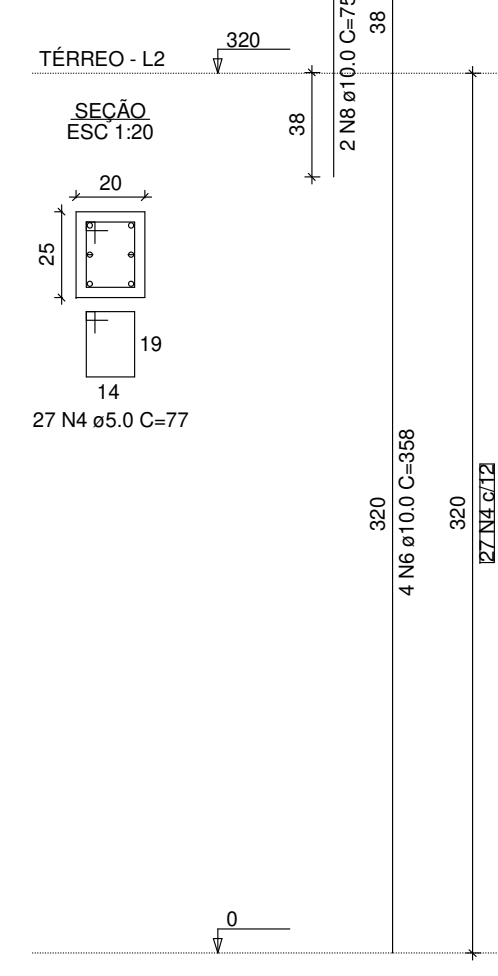
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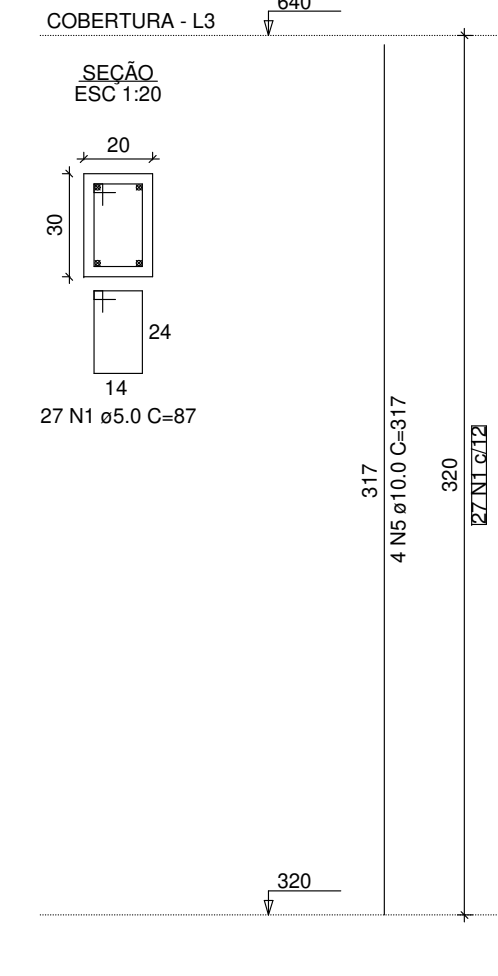
P8



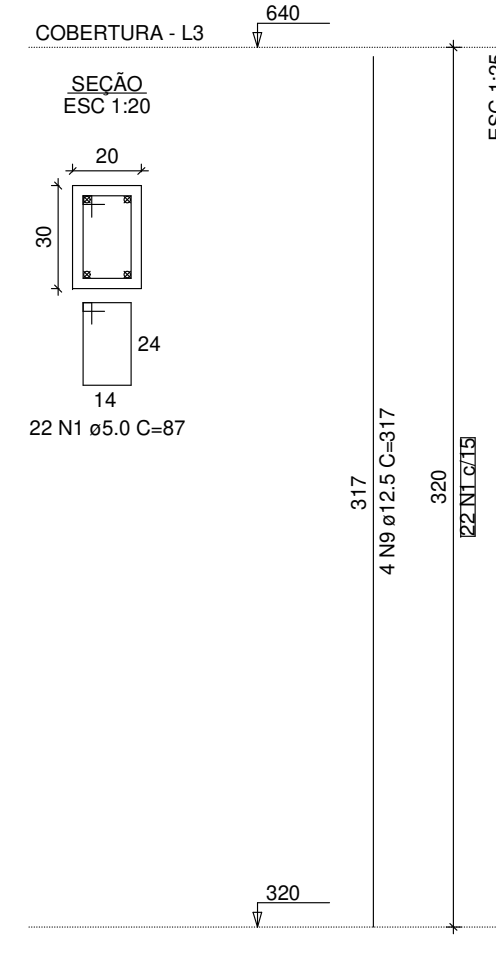
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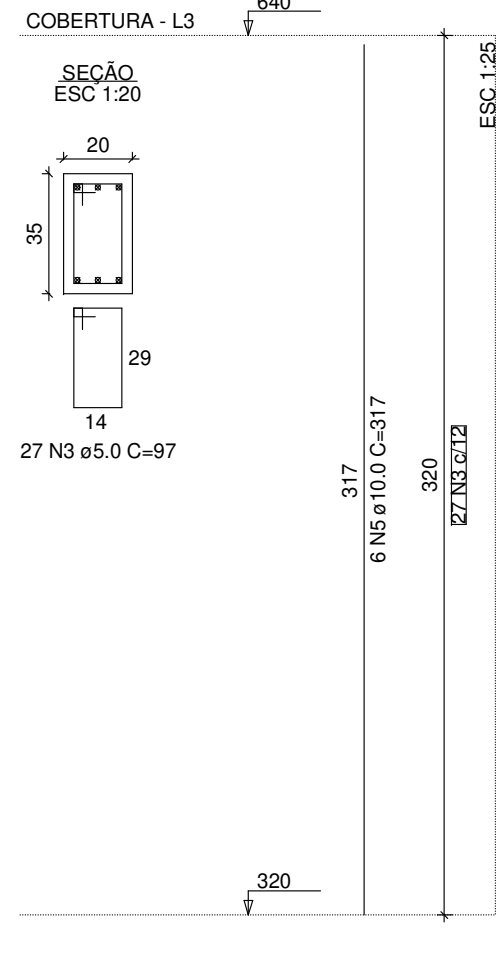
P1=P3



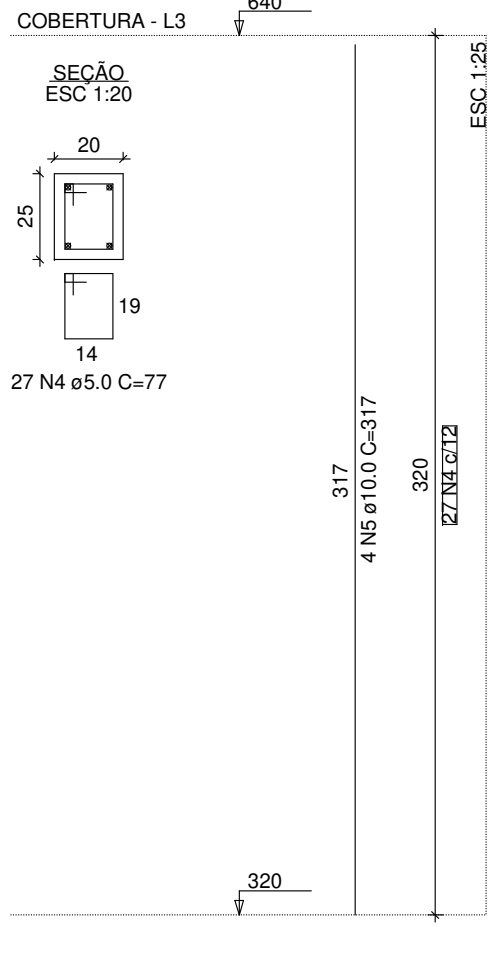
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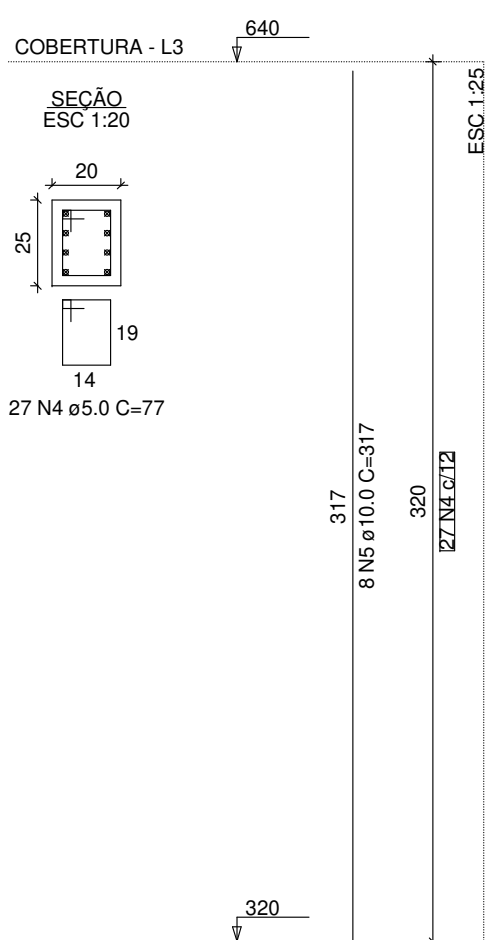
P5



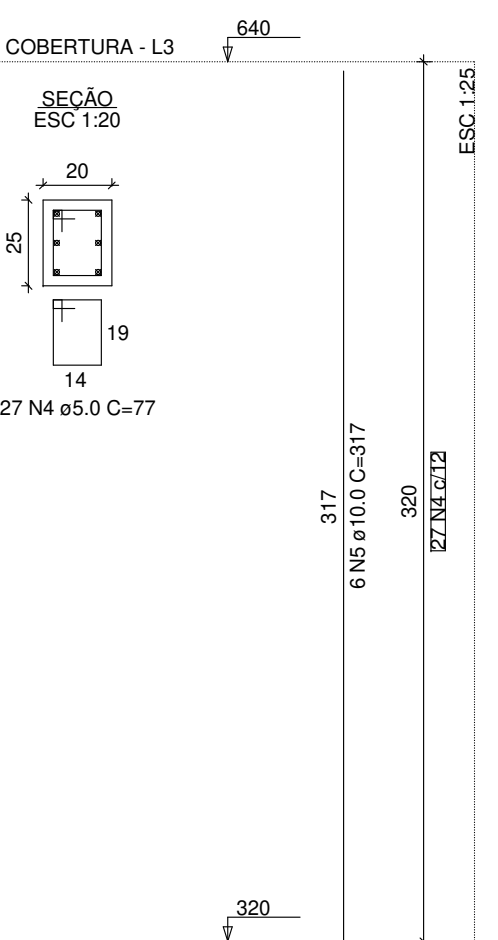
P7



P8



P9



RELAÇÃO DO AÇO					
2xP1-L3	3xP1-L2	3xP1-L1			
3xP2-L3	2xP2-L2	2xP2-L1			
P5-L3	P5-L2	P5-L1			
P7-L3	P7-L2	P7-L1			
P8-L3	P8-L2	P8-L1			
P9-L3	P9-L2	P9-L1			
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	265	87	23055
	2	5.0	87	29	2523
	3	5.0	86	97	5432
	4	5.0	182	77	14014
CA50	5	10.0	34	317	10778
	6	10.0	9	358	2864
	7	10.0	10	162	1620
	8	10.0	6	75	450
	9	12.5	28	317	8876
	10	12.5	30	367	11010
	11	12.5	46	170	7820

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	157.1	106.6
CA60	12.5	277.1	293.6
	5.0	450.2	76.3
PESO TOTAL (kg)			
CA50	400.2		
CA60	76.3		

Volume de concreto (C-25) = 3.85 m³  
Área de forma = 65.12 m²

## PROJETO ESTRUTURAL

FOLHAS  
01/05

TIPO DE OBRA  
**CONSTRUÇÃO SALA E.M.M.C.O**

TIPOLOGIA  
**EDUCAÇÃO**

PROPRIETÁRIO (a)  
**PREFEITURA MUNICIPAL**

ENDEREÇO  
**RUA MARCOLINO PEREIRA DE CARVALHO**

Coordenadas: Latitude: **21°46.824'S**  
Longitude: **45°50.275'W**

BAIRRO / CIDADE  
**Jardim São Lucas - CARVALHÓPOLIS M/G**

INSCRIÇÃO CADASTRAL  
**2162**

QUADRA  
**J**

LOTE  
**07**

DATA  
**16/12/2016**

ÁREA DO LOTE (m²)  
**357,27**

ESCRIT.  
**REAL**

ZONA  
**MISTA**

TAXA DE OCUPAÇÃO (%)  
**70,00**

PERMITIDO  
**REAL**

COEF. DE APROV. MÁXIMO  
**2,40**

PERMITIDO  
**0,36**

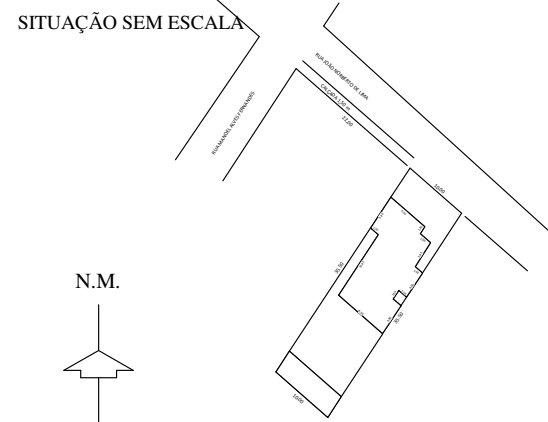
POT. CONST. MÁXIMO  
**852,00**

PERMITIDO  
**129,45**

TAXA DE PERMEABILIZAÇÃO  
**10**

%  
**35,50**

ÁREA



ÁREAS EDIFICADAS  
m²

Comércio  
Pavimento Térreo  
Total a Construir

CONTEÚDO  
Planta forma Térreo  
Fundação  
Vigas Baldrames

PROPRIETÁRIO (a)  
**PREFEITURA MUNICIPAL**  
CNPJ:..

COMPROMISSÁRIO (a)  
**PREFEITURA MUNICIPAL**  
CNPJ:..

PROFISSIONAL  
**18A**  
ENGENHARIA  
&  
ARQUITETURA  
CARVALHÓPOLIS - MG  
35352821134 (35)9964-6440

Declaro que a aprovação do projeto, não implica por parte da Prefeitura Municipal, do direito de propriedade do terreno.

APROVAÇÕES