

**Relação do aço**

ACO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	82	78	6396
CA50	2	8.0	4	424	1696
CA50	3	8.0	2	474	948
CA50	4	8.0	2	469	938
CA50	5	8.0	4	270	1080
CA50	6	8.0	4	290	1160

**Resumo do aço**

ACO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	38.3	25.3
CA60	5.0	64	10.8
<b>PESO TOTAL</b>			
CA50		25.3	
CA60		10.8	

Vol. de concreto total (C-25) = 0.62 m³  
Área de forma total = 10.35 m²

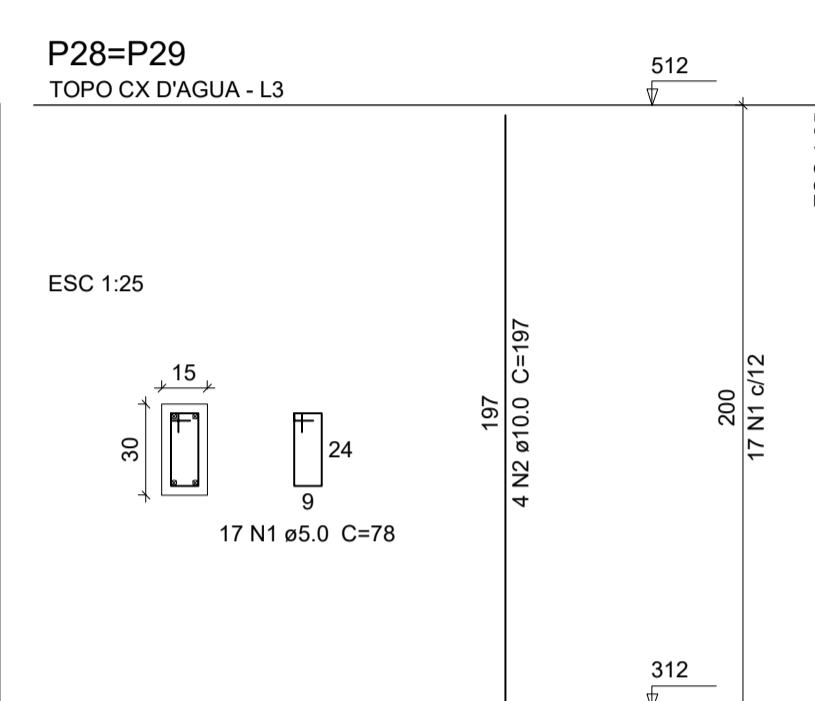
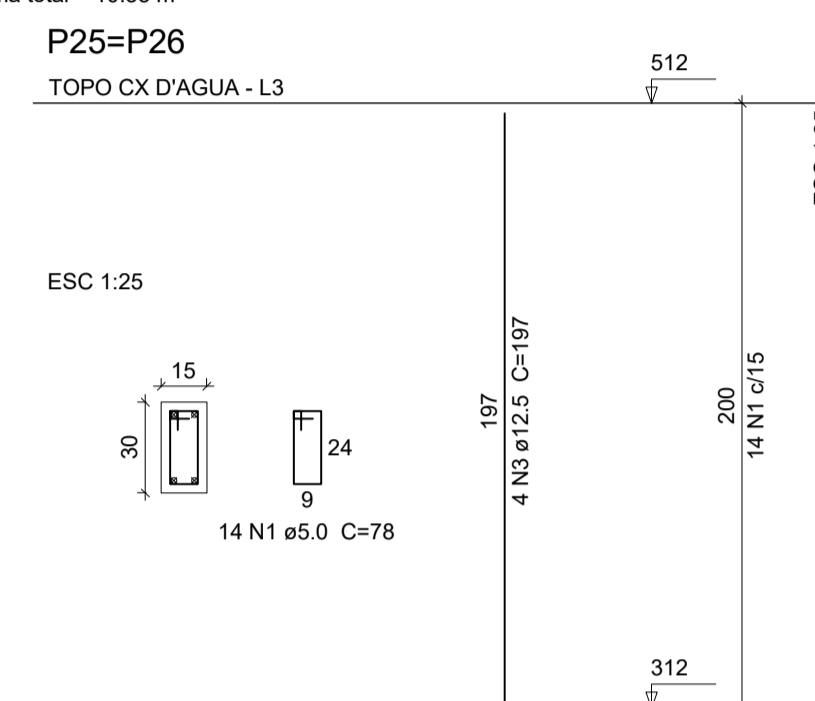
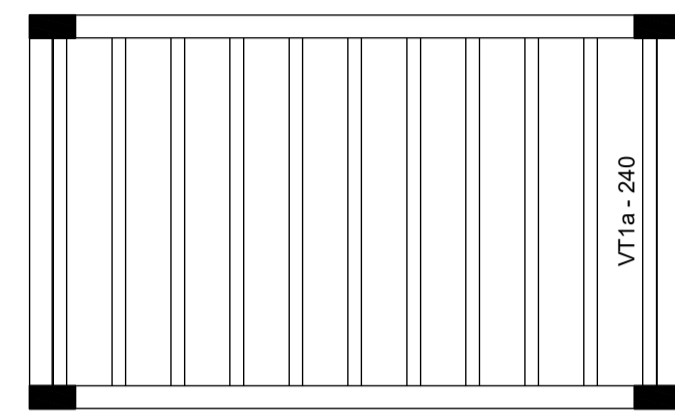
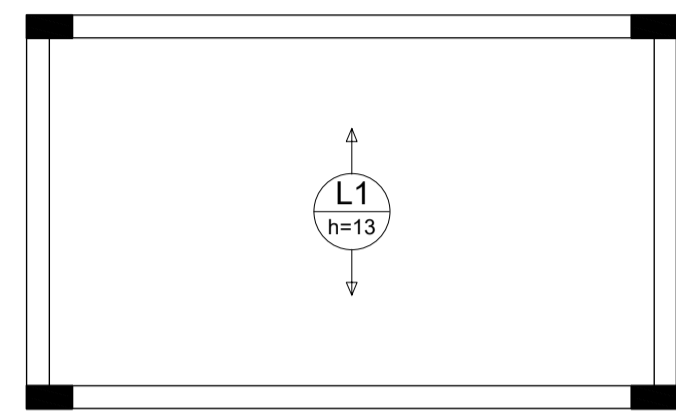
VOLUME DE CONCRETO  
C-25 : 0,57M³  
ÁREA DE FORMA: 0,00M²

**Relação do aço**

ACO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
-----	---	------	---	-----------	--------------

**Resumo do aço**

ACO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
-----	------	-------------	------------------



**Relação do aço**

ACO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	62	78	4836
CA50	2	10.0	8	197	1576
CA50	3	12.5	8	197	1576

**Resumo do aço**

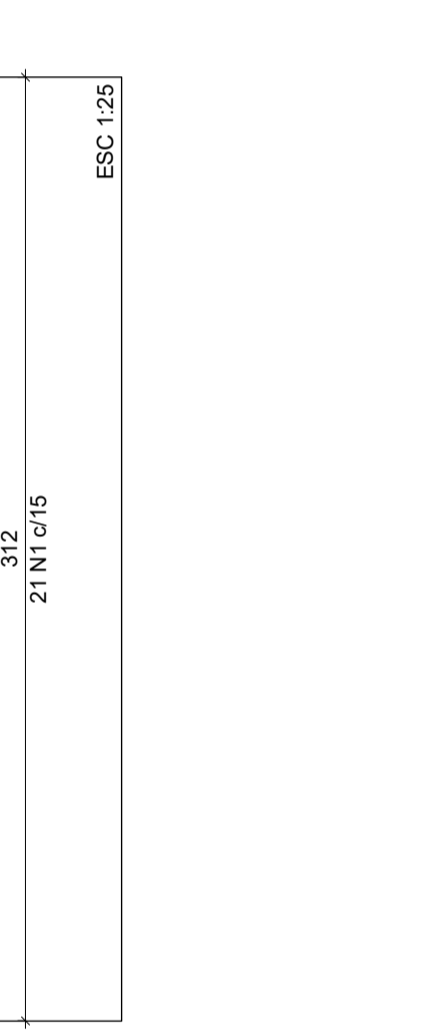
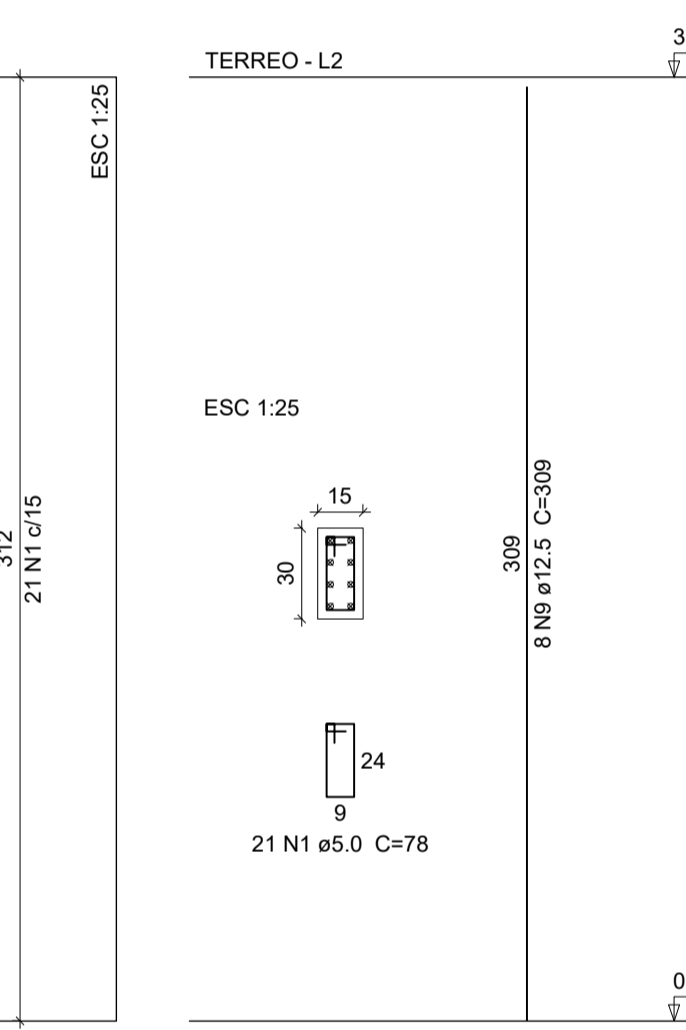
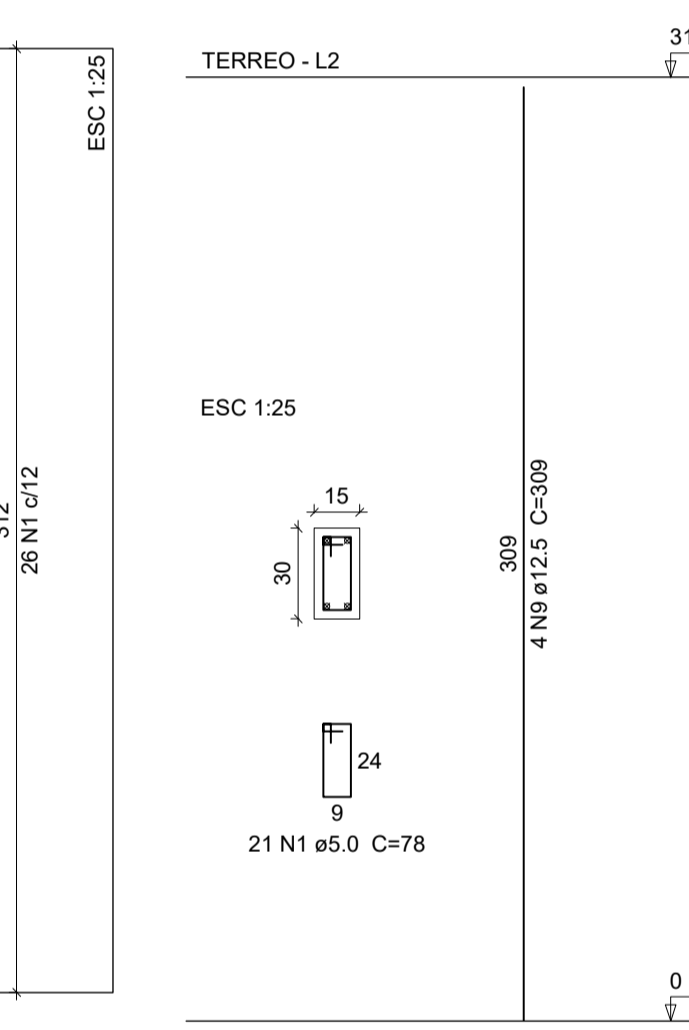
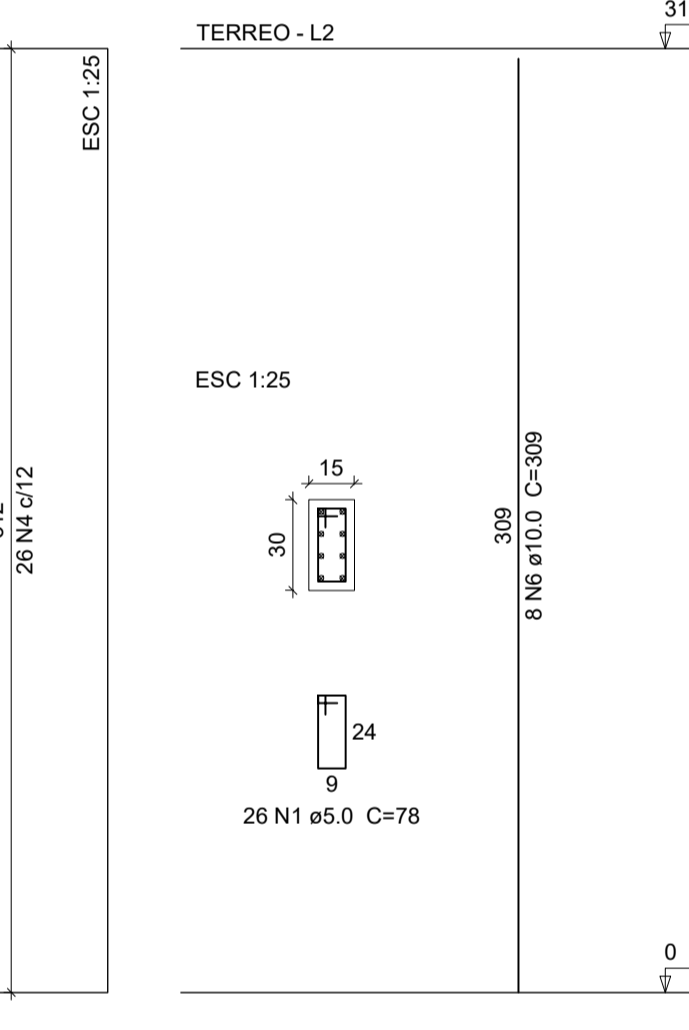
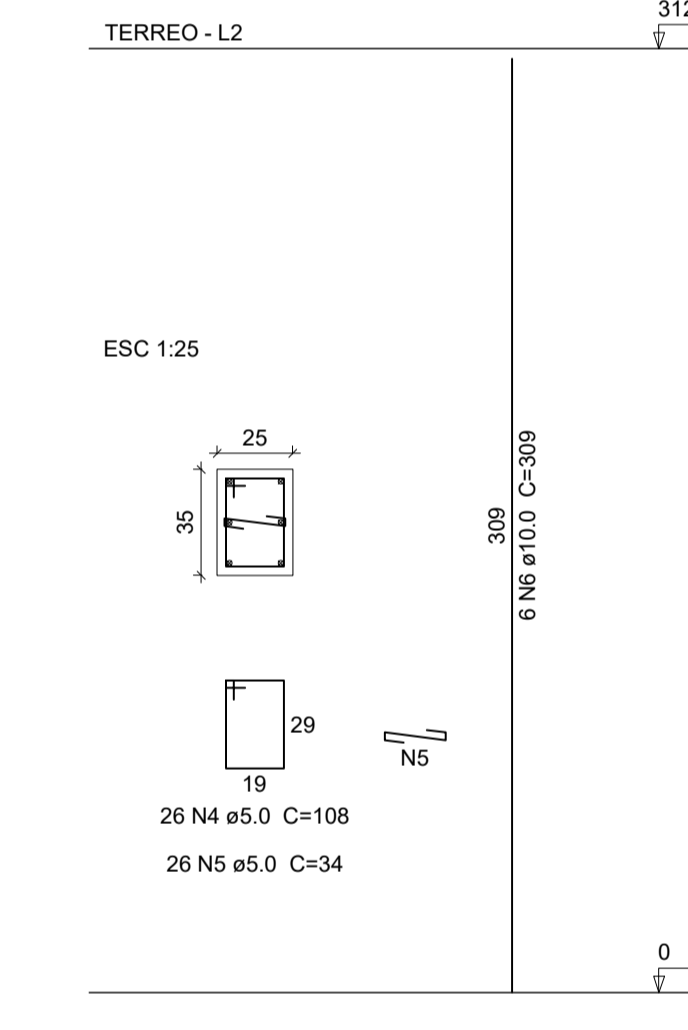
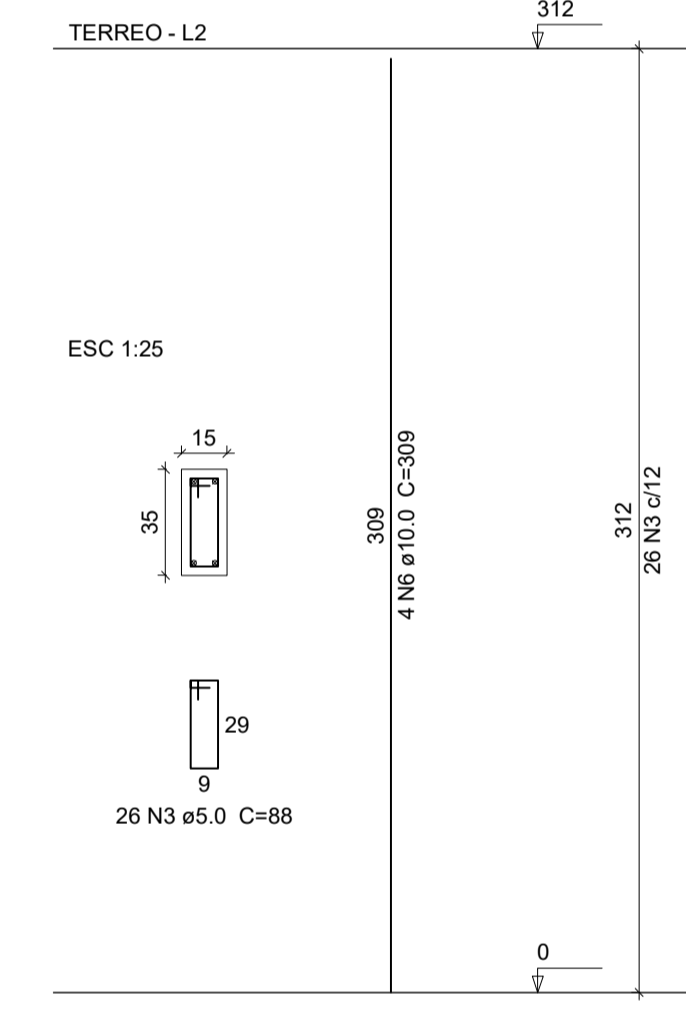
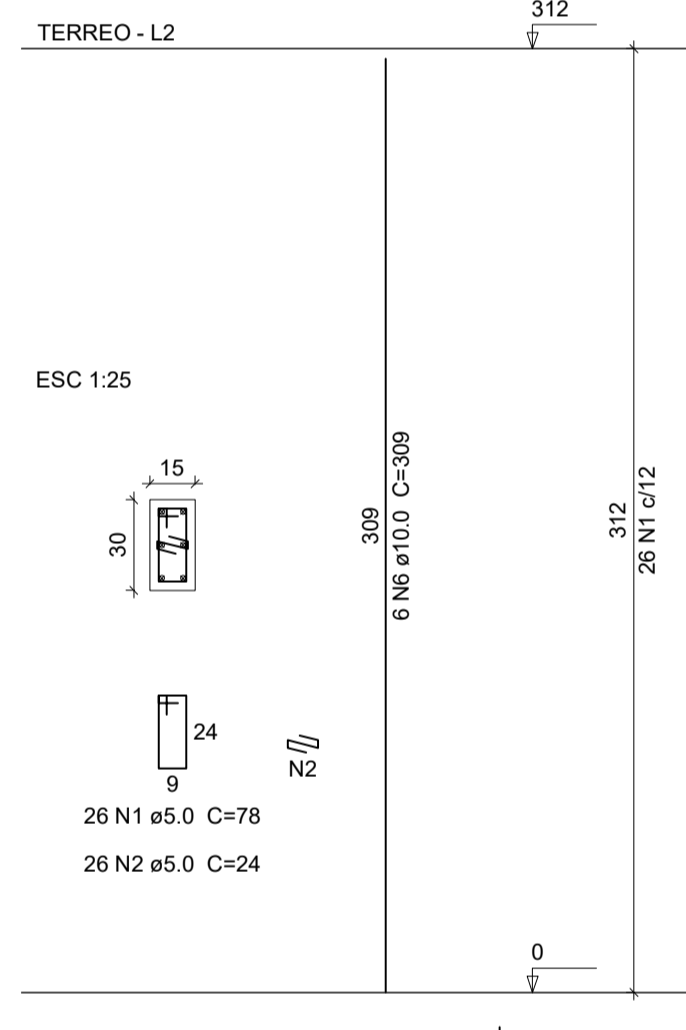
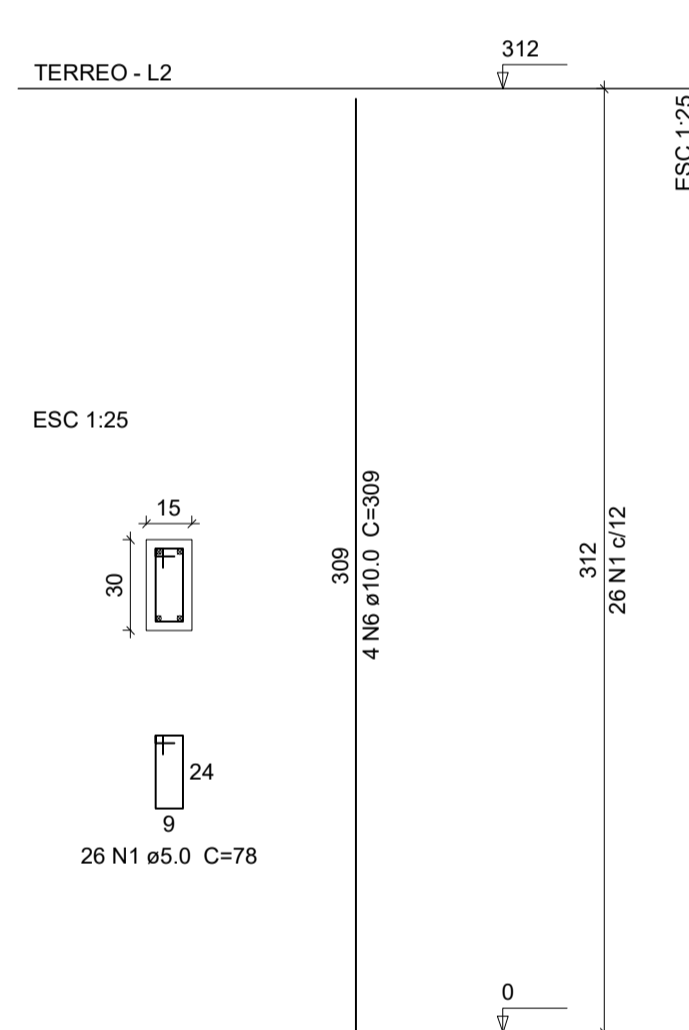
ACO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	15.8	10.7
CA50	12.5	15.8	16.7
CA60	5.0	48.4	8.2
<b>PESO TOTAL</b>			
CA50		27.4	
CA60		8.2	

Vol. de concreto total (C-25) = 0.36 m³  
Área de forma total = 7.2 m²

**Armação positiva das lajes do pavimento TOPO CX D'AGUA (Eixo Y)**

**Planta de vigotas pré-moldadas**

P1=P2=P4=P5=P6=P10=P11=P12=P15=P16=P18P3=P8=P17=P24=P32  
=P19=P20=P23=P27=P30=P33=P35=P37




**Resumo do aço**

ACO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	472	320.1
CA50	12.5	40.9	43.3
CA60	5.0	733.8	124.4
<b>PESO TOTAL</b>			
CA50		363.4	
CA60		124.4	

Vol. de concreto total (C-25) = 4.94 m³  
Área de forma total = 96.87 m²

**Relação do aço**

ACO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	824	78	64272
CA60	2	5.0	130	24	3120
CA60	3	5.0	26	88	2288
CA60	4	5.0	26	108	2808
CA60	5	5.0	26	34	884
CA50	6	10.0	144	309	44496
CA50	7	10.0	4	350	1400
CA50	8	10.0	4	326	1304
CA50	9	12.5	12	309	3708
CA50	10	12.5	4	94	376

RESERVADO PARA LOGOTIPO DO PROFISSIONAL	 <p><b>Prefeitura Municipal de Quartel Geral</b> Administração: 2021-2024 CNPJ: 18.296.699/0001-44 Rua Hipólito Pinto, 240 - Centro Quartel Geral, Minas Gerais, CEP: 35625-000- Minas Gerais</p>	
	APROVAÇÃO	PREFEITURA MUNICIPAL DE QUARTEL GERAL
TÍTULO	PROJETO ESTRUTURAL - CENTRO DE FISIOTERAPIA	
LOCALIZAÇÃO	LOGRADOURO:	RUA MANOEL CAEIRO, S/N
	BAIRRO:	NOVO QUARTEL
	CIDADE:	QUARTEL GERAL
	UF:	MINAS GERAIS
RESPONSÁVEL TÉCNICO	DADOS	PREFEITURA MUNICIPAL DE QUARTEL GERAL CNPJ: 18.296.699/0001-44
	AUTOR DO PROJETO	LEONEL CESAR DE OLIVEIRA CREA/MG: 256.330/D
LOCAL DATA	QUARTEL GERAL, 04 DE OUTUBRO DE 2021	Escala: Indcada
CONTEÚDO	TOPO CX D'ÁGUA-VIGAS, PILARES E LAJE E PILARES EM PRUMADA	FOLHA: 01/01 FORMATO: A1