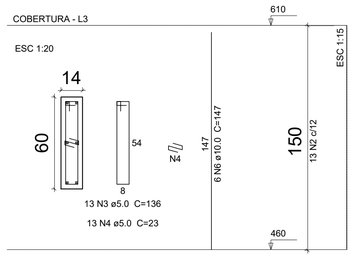
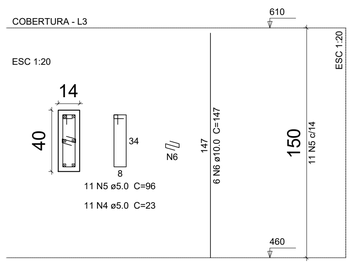
PILARES ATÉ COBERTURA

P9=P10=P11=P12=P13



P14



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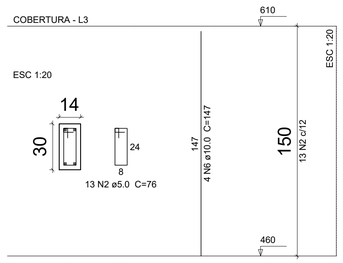
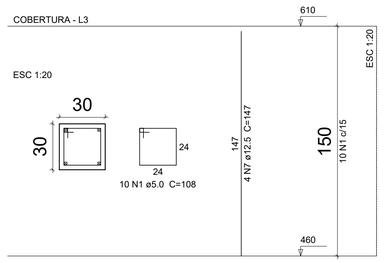


P1=P2=P3=P5=P6



Relação do aço

PILARES

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	60	108	6480
	2	5.0	39	76	2964
	3	5.0	65	136	8840
	4	5.0	76	23	1748
	5	5.0	11	96	1056
CA50	6	10.0	48	147	7056
	7	12.5	24	147	3528

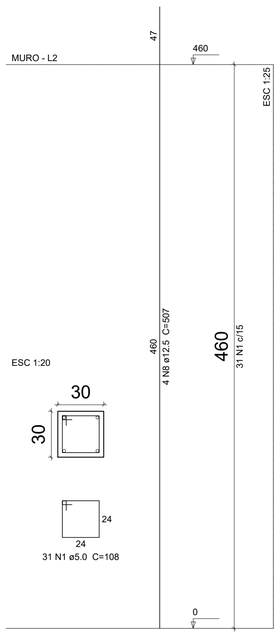
Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	70.6	47.9
	12.5	35.3	38.0
CA60	5.0	210.88	32.50
PESO TOTAL			
CA50	85.9		
CA60	32.50		

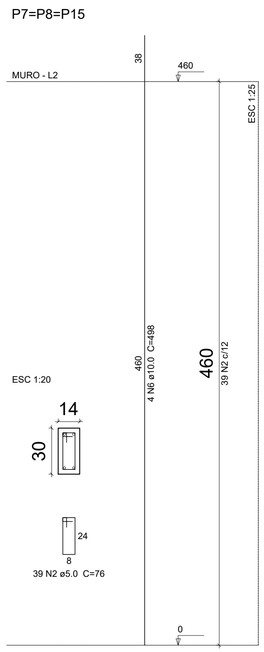
Vol. de concreto total (C-25) = 1.70 m³
Área de forma total = 24.85 m²

PILARES ATÉ O MURO

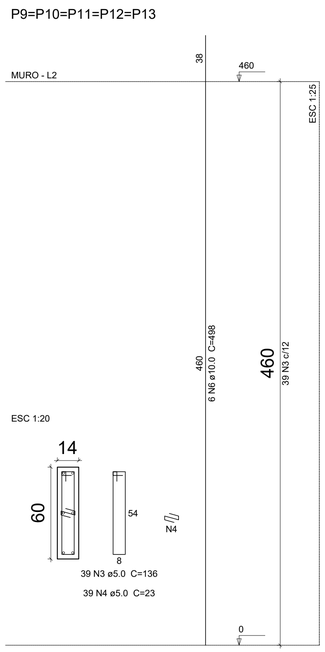
P1=P2=P3=P4=P5=P6



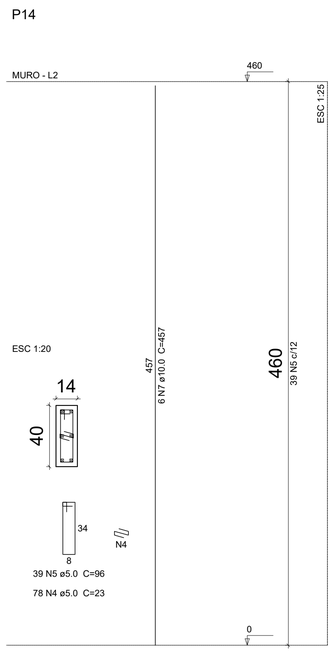
P7=P8=P15



P9=P10=P11=P12=P13



P14



Relação do aço

PILARES

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	246	108	26568
	2	5.0	156	76	11856
	3	5.0	260	136	35360
	4	5.0	154	23	3542
	5	5.0	39	96	3744
CA50	6	10.0	42	498	20916
	7	10.0	8	457	3656
	8	12.5	24	507	6084

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	245.7	166.8
	12.5	60.8	64.4
CA60	5.0	810.7	117.55
PESO TOTAL			
CA50	231.2		
CA60	117.5		

Vol. de concreto total (C-25) = 5.15 m³
Área de forma total = 84.20 m²

PREFEITURA MUNICIPAL DE GUAÇUÍ
ESTADO DO ESPÍRITO SANTO

PROJETO ESTRUTURAL

OBRA:
PROJETO DE REFORMA REQUALIFICAÇÃO URBANA
DA AV. AGENOR LUIZ THOMÉ

CONTEÚDO:
PORTAL

LOCAL: AV. AGENOR LUIZ THOMÉ - (BEIRA RIO) GUAÇUÍES

* DIMENSÕES DO DESENHO EM METRO
** ESCALA INDICADA EM PLANTAS

DATA: JUNHO/26

MODIFICAÇÕES:

FOLHA: 11/18

ÁREAS:

ARQUIVO Nº: ESTRUT-001

ASSINATURA:

PAULO VICTOR TEIXEIRA DEASCÂNIO
CREA-ES-050212/D