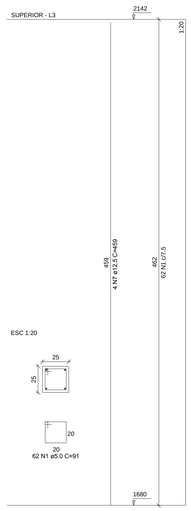
P1=P2=P4=P25=P31=P34=P56=P59

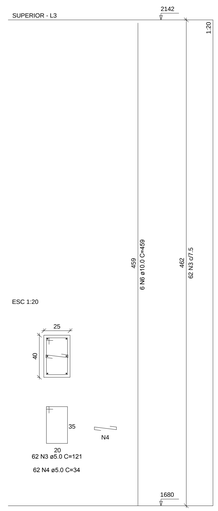
P12

P28=P36

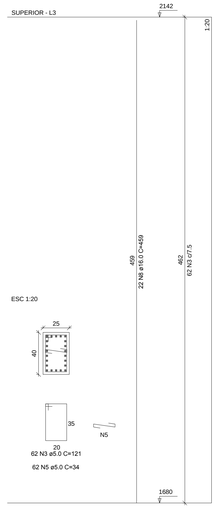


P3=P14=P26

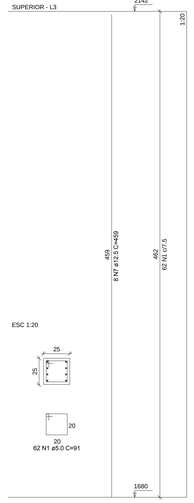
P30



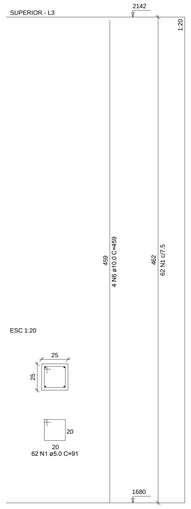
P32=P33



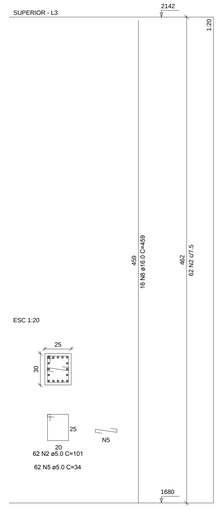
P35



P5=P6=P8=P15=P43=P44=P45=P46=P47=P48 =P55=P57



P50



P52

P54=P58

P9

RELAÇÃO DO AÇO

8xP1	3xP3	12xP5
P9	P12	2xP28
P30	2xP32	P35
P50	P52	2xP54

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	5.0	1798	91	163618
	2	5.0	124	101	12524
	3	5.0	248	121	30008
	4	5.0	62	34	2108
	5	5.0	186	34	6324
50	6	10.0	102	459	46818
	7	12.5	16	459	7344
	8	16.0	116	459	53244

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	10.0	468.2	317.6
	12.5	73.4	77.9
	16.0	532.4	925.3
CA60	5.0	2156.2	365.2
PESO TOTAL			
CA50	1320.8		
CA60	365.2		

Vol. de concreto total (C-25) =10.91 m³
Área de forma total = 168.17 m²

Nº:	DATA	RESPONSÁVEL	DESCRIÇÃO DA REVISÃO:

FASE: PROJETO DE CÁLCULO ESTRUTURAL

OBSERVAÇÕES: CONFERIR MEDIDAS NA OBRA

APOIO MORADIA 2 LAVANDERIA
CAMPUS JK / DIAMANTINA
RODOVIA MG 367, KM 583, Nº 5000 - ALTO DA JACUBA - DIAMANTINA/MG

PROPRIETÁRIO: UNIVERSIDADE FEDERAL DOS VALES DO JEQUITINHONHA E MUCURI — CNPJ 16.888.315/0001-57

TÍTULO: DETALHES PILARES DO PAVIMENTO SUPERIOR

AUTOR PROJETO ESTRUTURAL / RT: ANDRÉ FERNANDO DA SILVA, CREA 78499/D - MG

DETALHAMENTO: ANDRÉ FERNANDO DA SILVA, CREA 78499/D - MG

VERSÃO:	DATA:	AUTOCAD:	FOLHA:
VERSAO 1	29.07.2010		06/20