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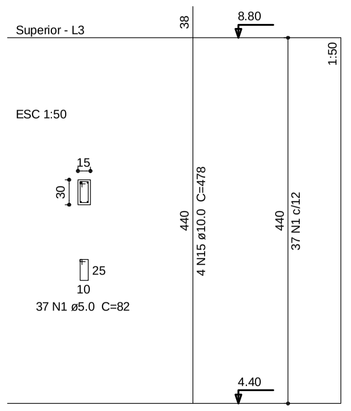

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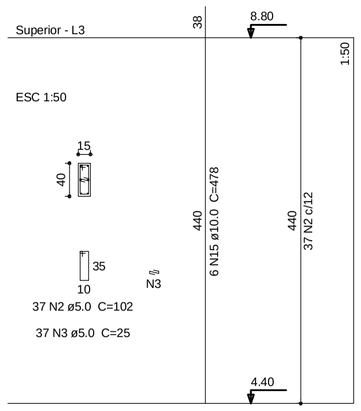

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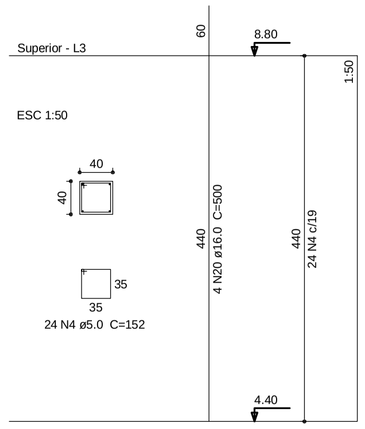

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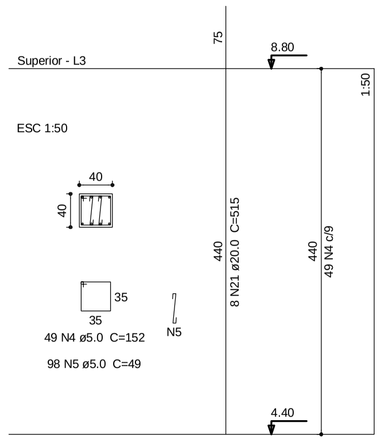

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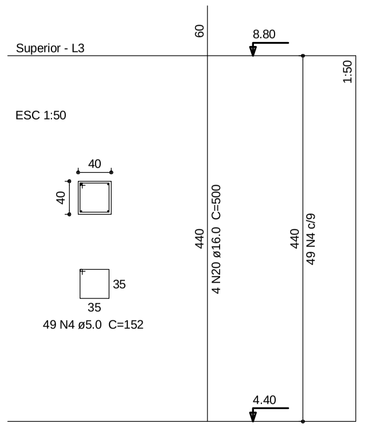

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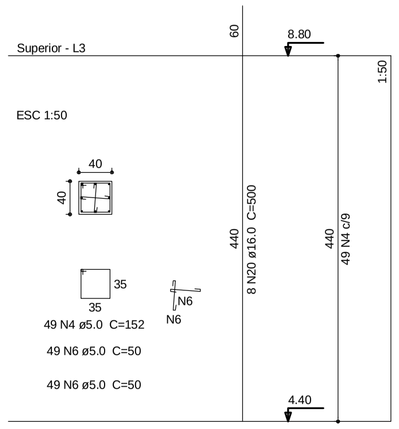

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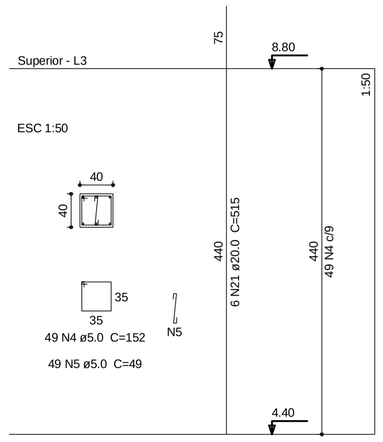


Relação do aço

4xP1	9xP2	P4
P11	3xP15	2xP16
2xP20	2xP21	P23
P25	P27	P28
P29	P30	P33
P34	P35	P36
P37	P40	2xP41
P42	5xP43	P44
P45	2xP47	2xP48

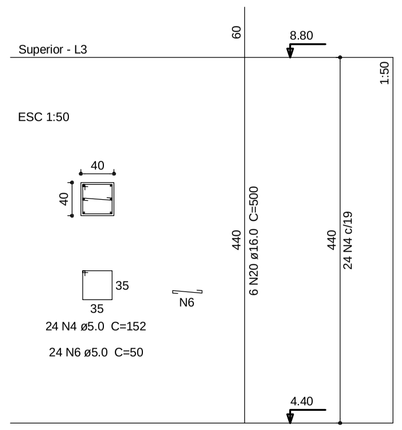
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	326	82	26732
	2	5.0	111	102	11322
	3	5.0	222	25	5550
	4	5.0	959	152	145768
	5	5.0	294	49	14406
	6	5.0	269	50	13450
	7	5.0	135	92	12420
	8	5.0	24	30	720
	9	5.0	60	50	3000
	10	5.0	127	112	14224
	11	5.0	150	30	4500
	12	5.0	37	102	3774
	13	5.0	407	30	12210
	14	5.0	259	132	34188
CA50	15	10.0	112	478	53536
	16	10.0	56	437	24472
	17	12.5	32	487	15584
	18	12.5	16	437	6992
	19	12.5	4	94	376
	20	16.0	86	500	43000
	21	20.0	32	515	16480

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	780.1	529
	12.5	229.6	243.2
	16.0	430	746.6
	20.0	164.8	447.1
CA60	5.0	3022.7	512.5
PESO TOTAL			
CA50	1965.9		
CA60	512.5		

Vol. de concreto total (C-25) = 23.91 m³
Área de forma total = 291.72 m²

P23



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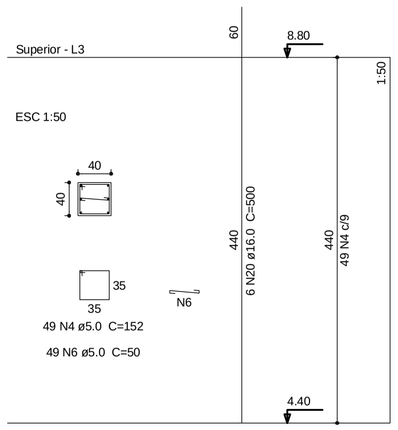

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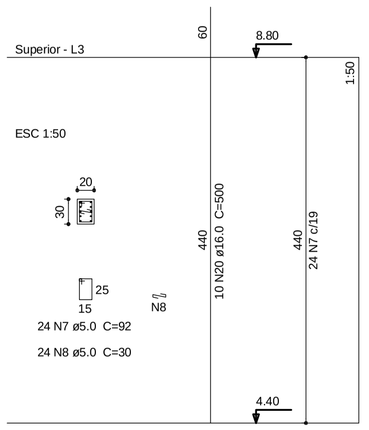

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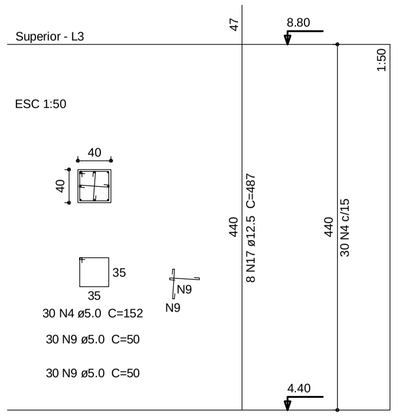

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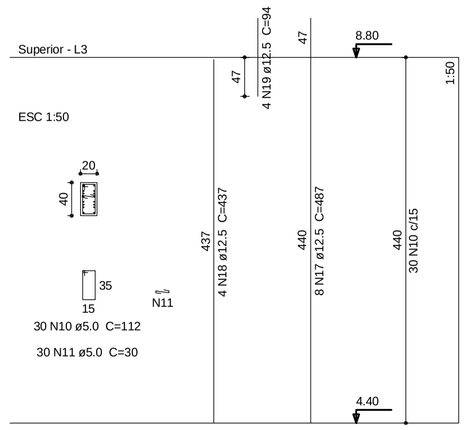

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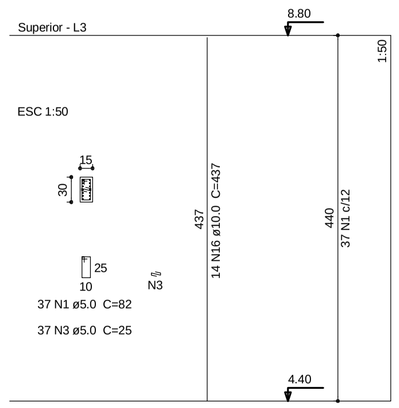

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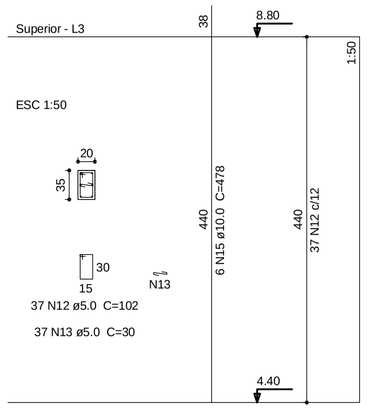

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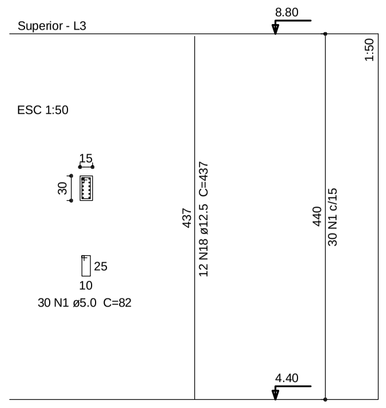

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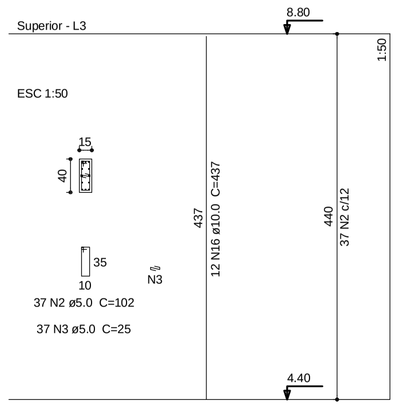

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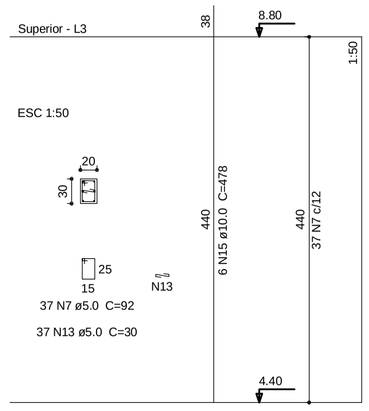

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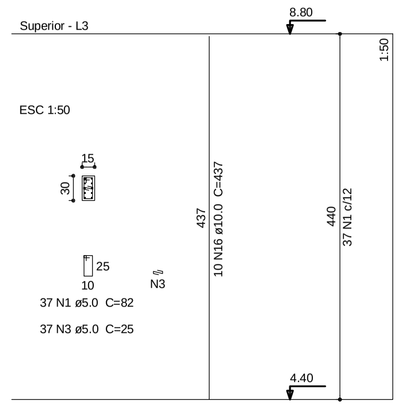

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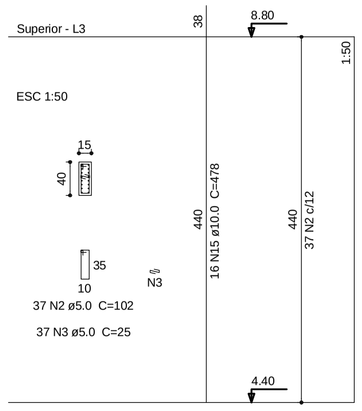

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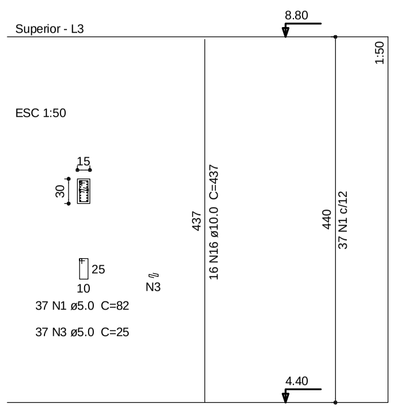

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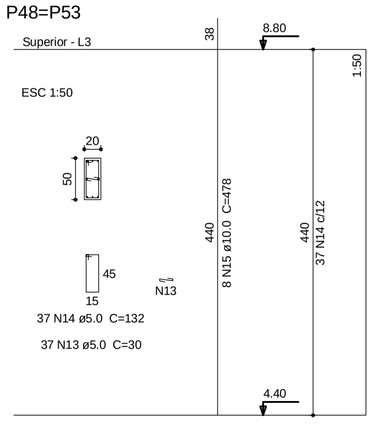

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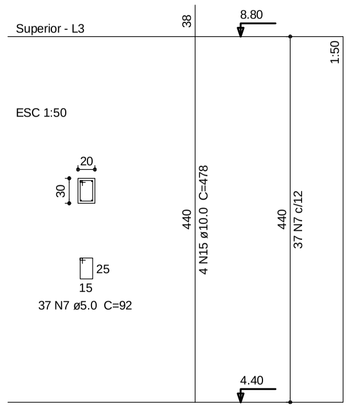

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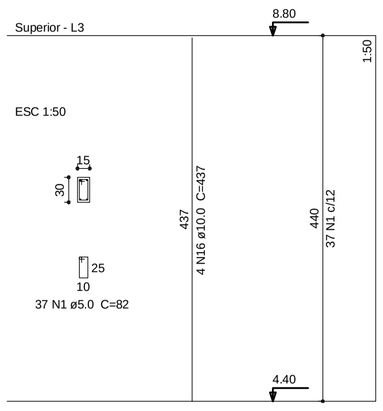

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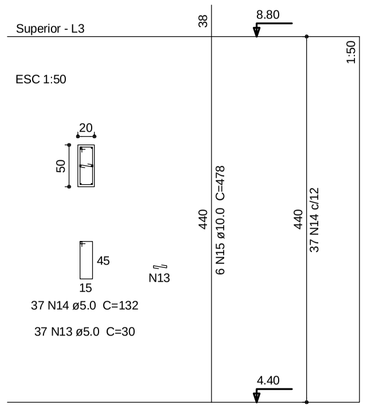

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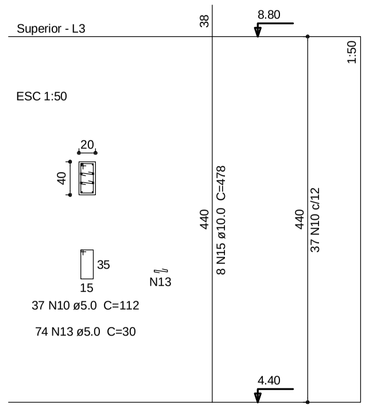

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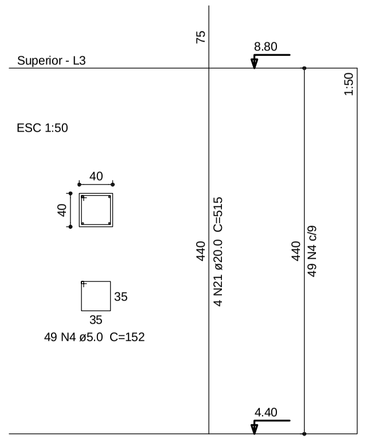

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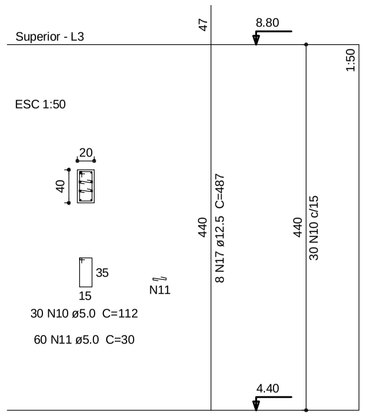

Nº:	DATA	RESPONSÁVEL	DESCRIÇÃO DA REVISÃO:

FASE: PROJETO ESTRUTURAL

OBSERVAÇÕES: CONFERIR MEDIDAS NA OBRA

COMP. MUSEU E ARQUIVO HISTÓRICO
CAMPUS 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

UFVJM

TÍTULO: DET. DOS PILARES DO PAV. SUPERIOR 1/2

AUTOR PROJETO ESTRUTURAL / RT:

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RT: ENG. CIVIL: ANTÔNIO AUGUSTO DE MACEDO – CREA: 81.746/DMG
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