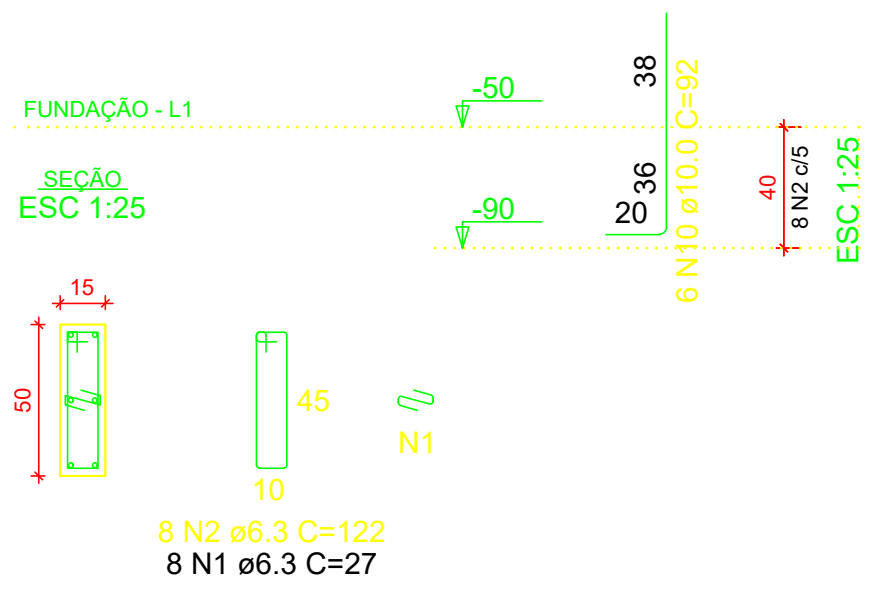
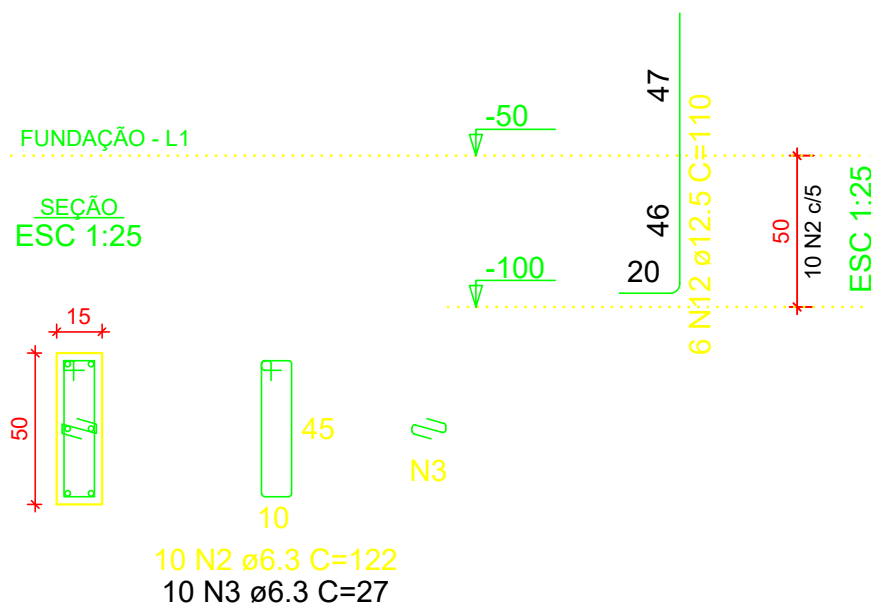


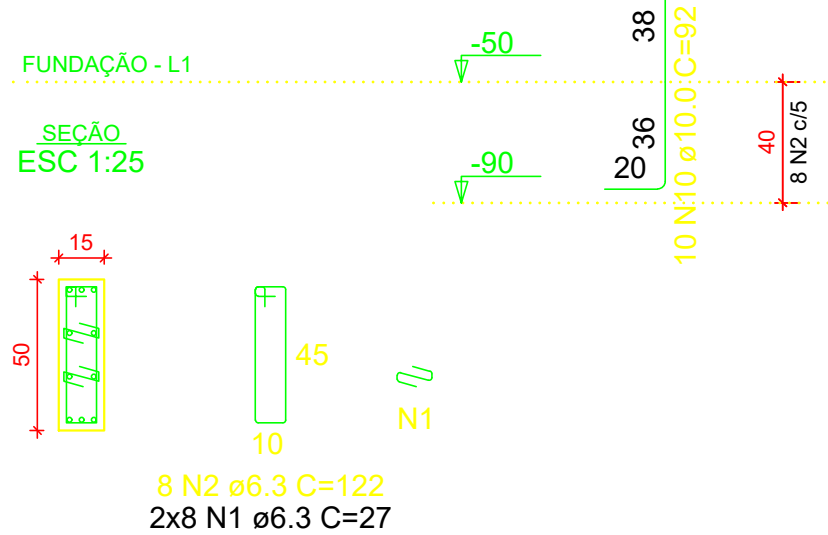
P1=P4=P7=P10=P16



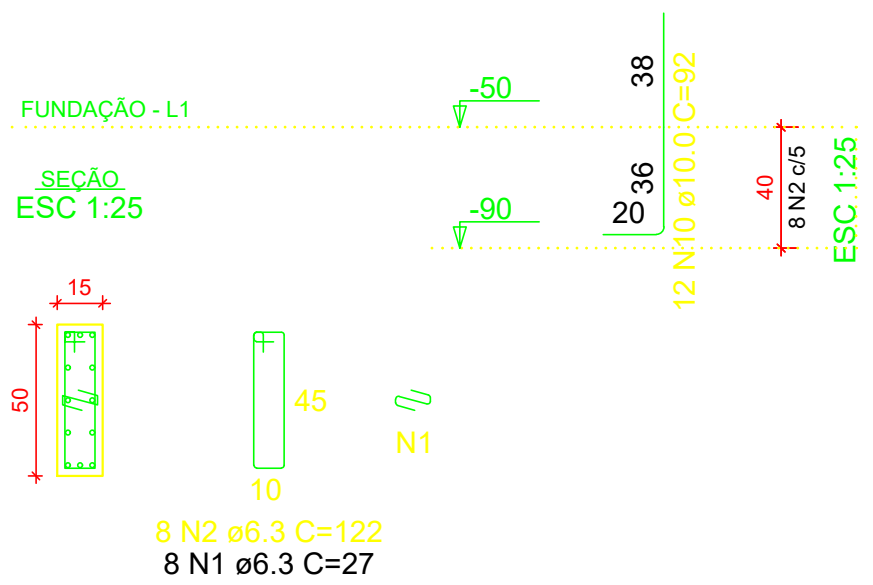
P2=P3=P5=P6=P8=P9=P15=P32



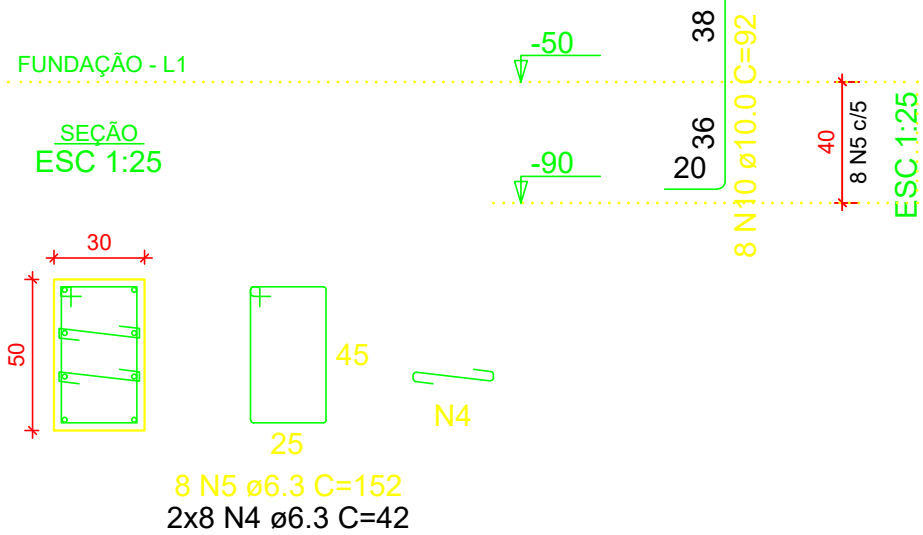
P11



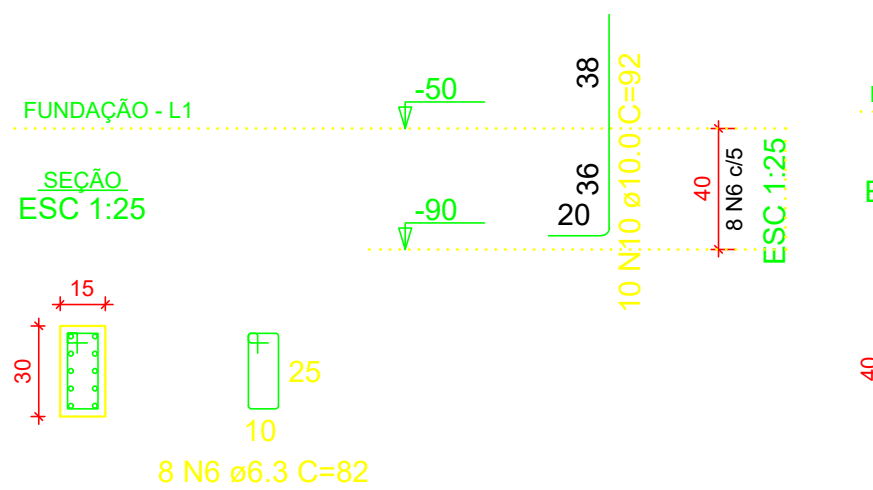
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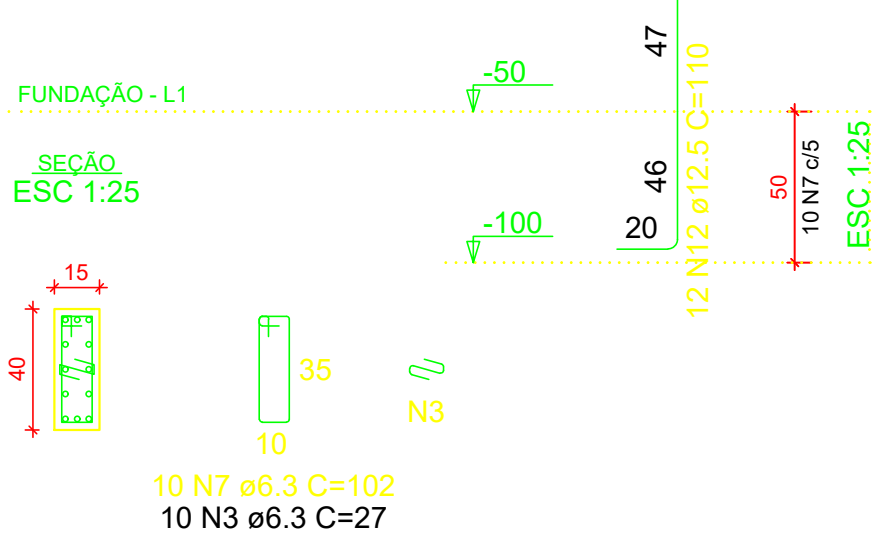
P13



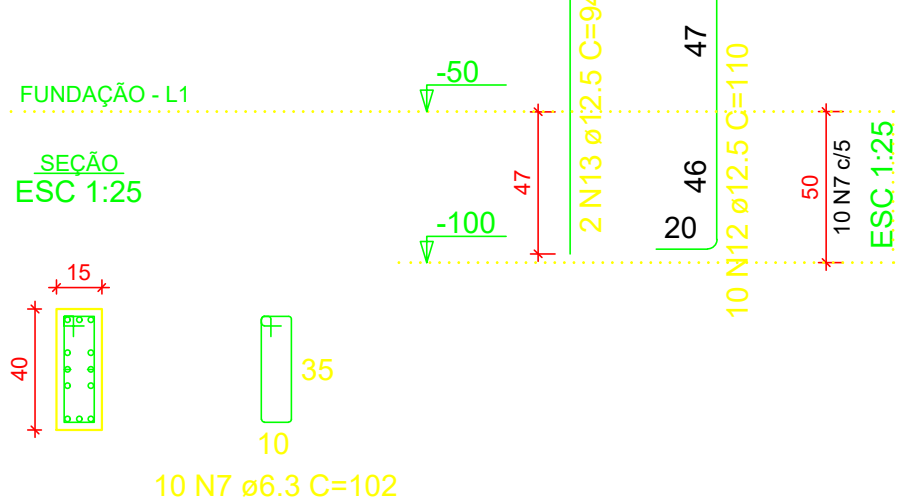
P19=P22=P25=P28



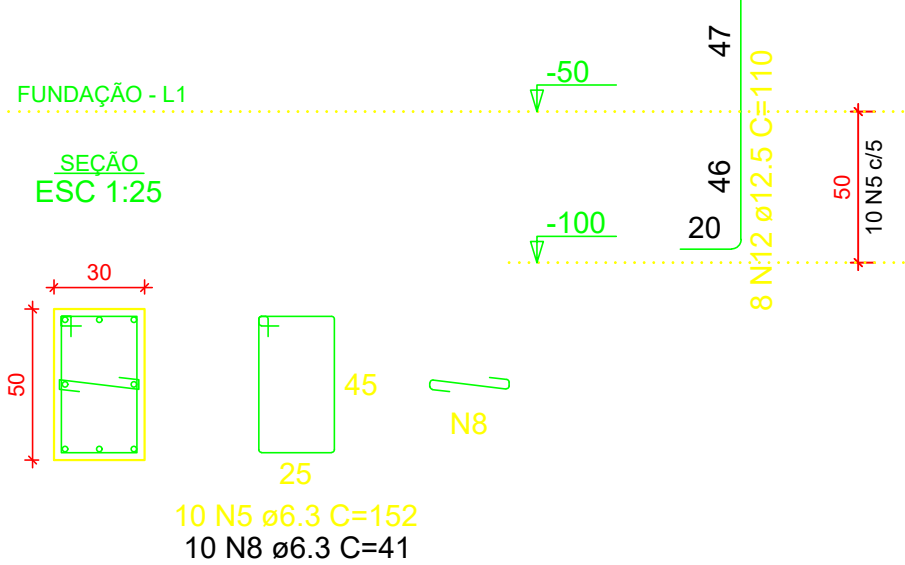
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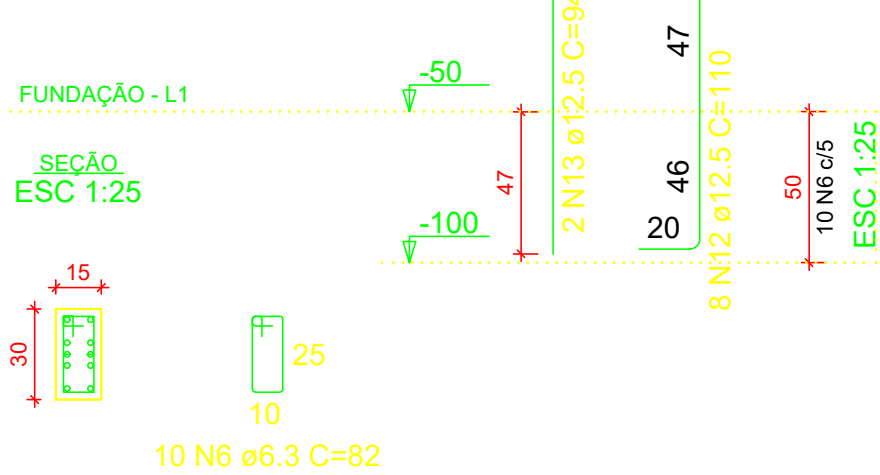
P26



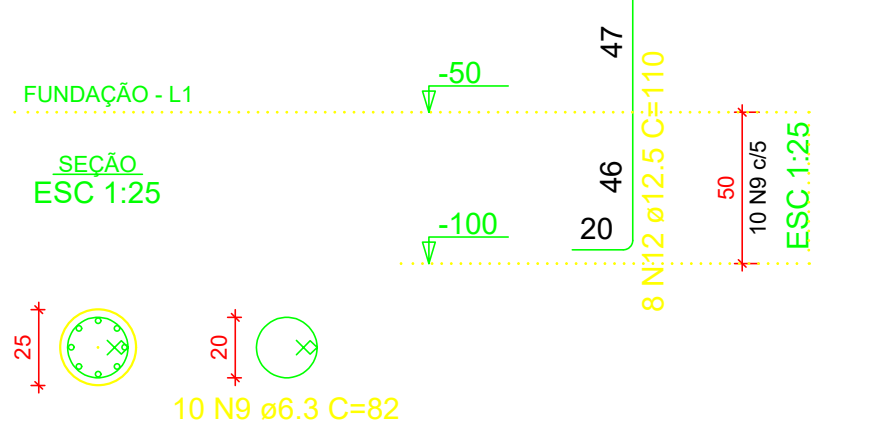
P29



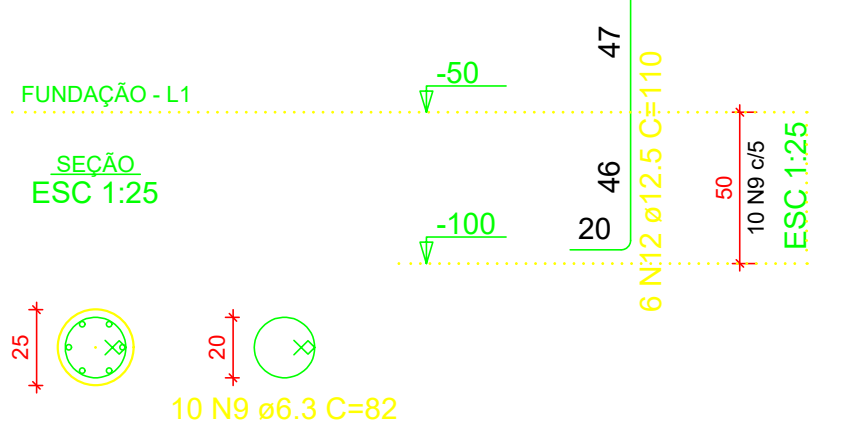
P30



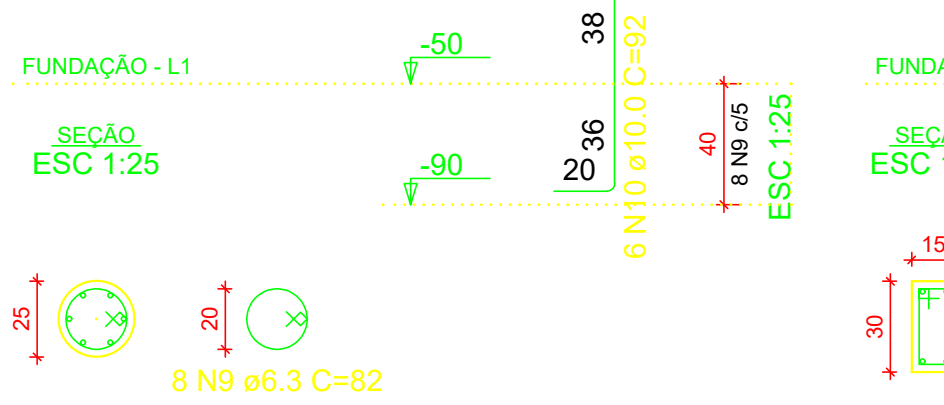
P33=P38



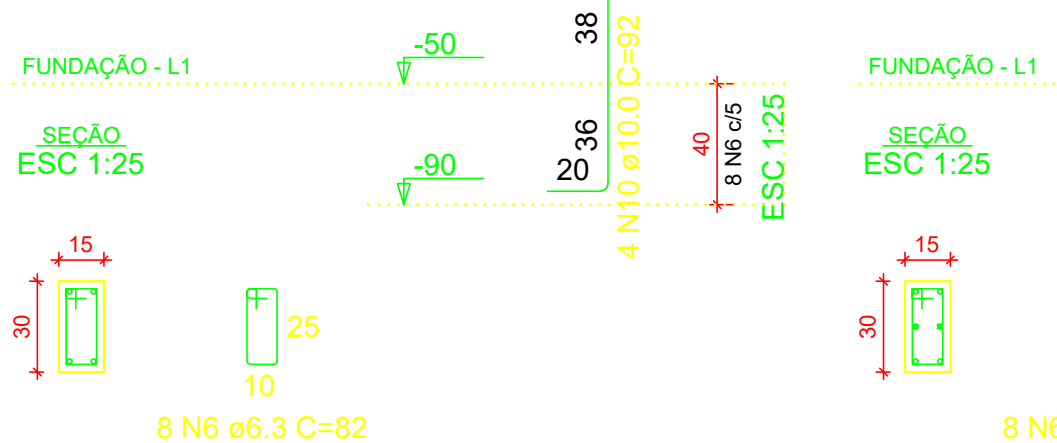
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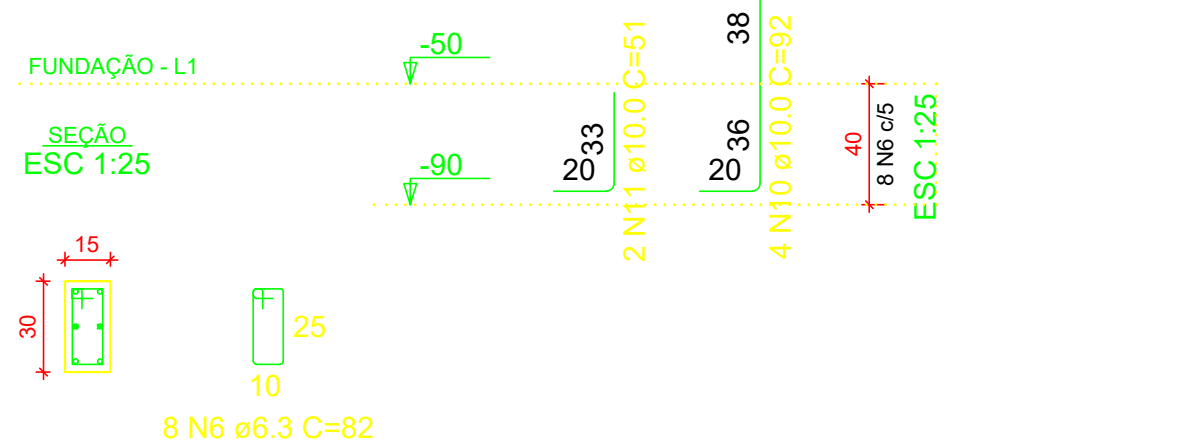
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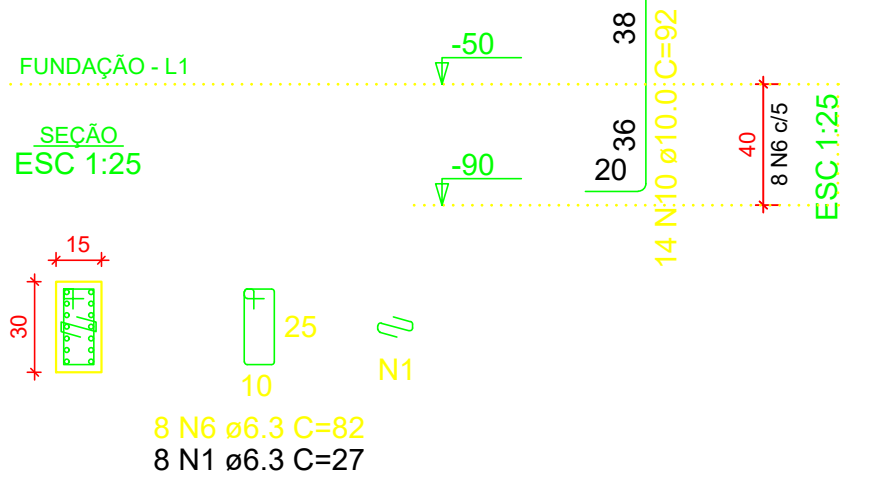
P39



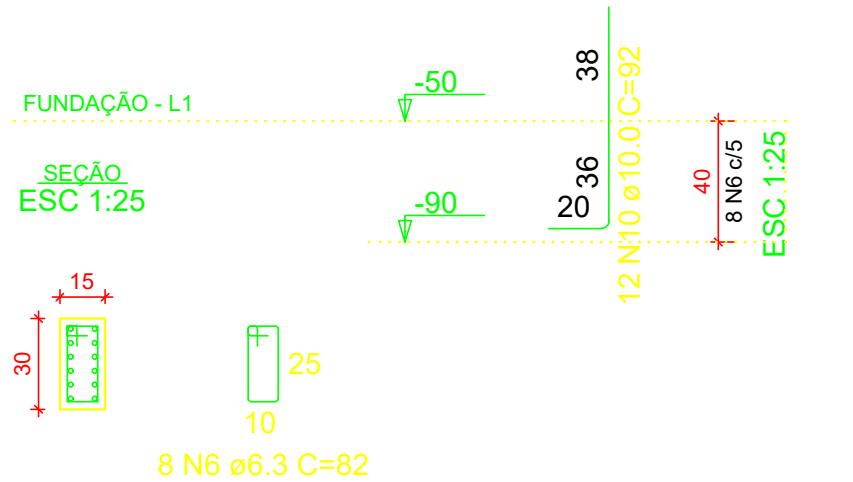
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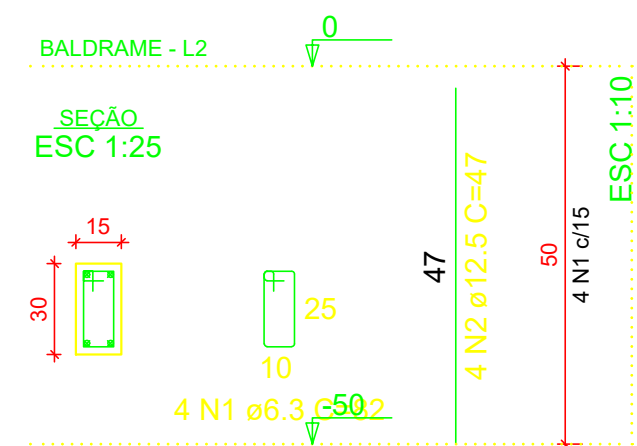
P31



P18=P21=P24=P27



P39=P40=P41



RELAÇÃO DO AÇO

3xP39

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	12	82	984
CA50	2	12.5	12	47	564

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	6.3	9.8	1	2.6
CA50	12.5	5.6	1	6
PESO TOTAL (kg)				
CA50	8.6			

Volume de concreto (C-25) = 0.07 m³
Área de forma = 1.35 m²

RELAÇÃO DO AÇO

5xP1 3xP12 4xP19 P29 2xP33 P39	8xP2 P13 2xP20 P30 2xP34 2xP40	P11 4xP18 P26 P31 2xP36
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AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	88	27	2376
	2	6.3	152	122	18544
	3	6.3	100	27	2700
	4	6.3	16	42	672
	5	6.3	18	152	2736
	6	6.3	106	82	8692
	7	6.3	30	102	3060
	8	6.3	10	41	410
	9	6.3	56	82	4592
	10	10.0	210	92	19320
	11	10.0	4	51	204
	12	12.5	126	110	13860
	13	12.5	94	94	376

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	6.3	437.8	41	117.8
	10.0	195.2	18	132.4
	12.5	142.4	14	150.9
PESO TOTAL (kg)				
CA50	401.1			

Volume de concreto (C-25) = 1.17 m³
Área de forma = 19.94 m²

PROJETO		RESPONSÁVEL TÉCNICO	
		Eng. Mario Marques Ribeiro CREA: MG 48900/D	
CLIENTE			
			
EMPREENHIMENTO			
IMPLANTAÇÃO DA ESCOLA NOVA			
ENDEREÇO		DISCIPLINA	
RUA 06, S/N - B. Luiz Rennó Mendes. SANTA RITA DO SAPUCAÍ - MINAS GERAIS		ESTRUTURAL	
ASSUNTO		FASE DO PROJETO	
BLOCO F DETALHAMENTO DA ARMAÇÃO DOS PILARES PLANTA BAIXA, CORTES E DETALHES		EXECUTIVO	
DATA INICIAL		FOLHA Nº	
17/10/2019		53	
ESCALA	INDICADA	REVISÃO	ARQUIVO
		R00	FAPEPE-FMSRS-ESC-PE-EST-R00 - NVV.DWG