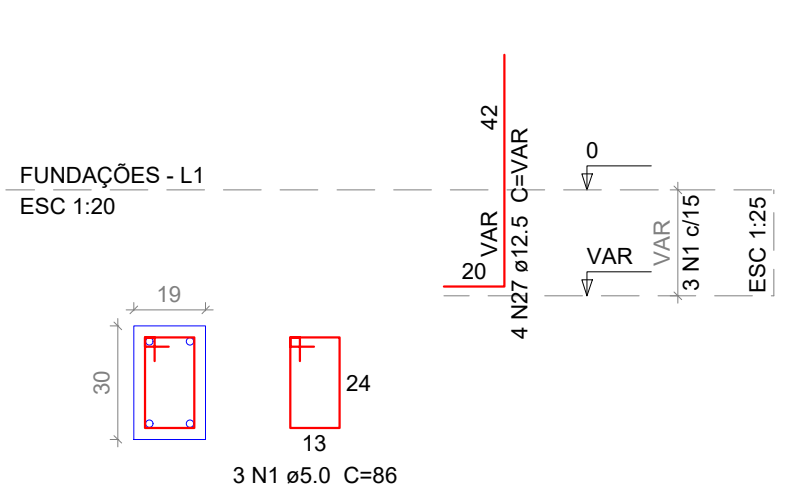
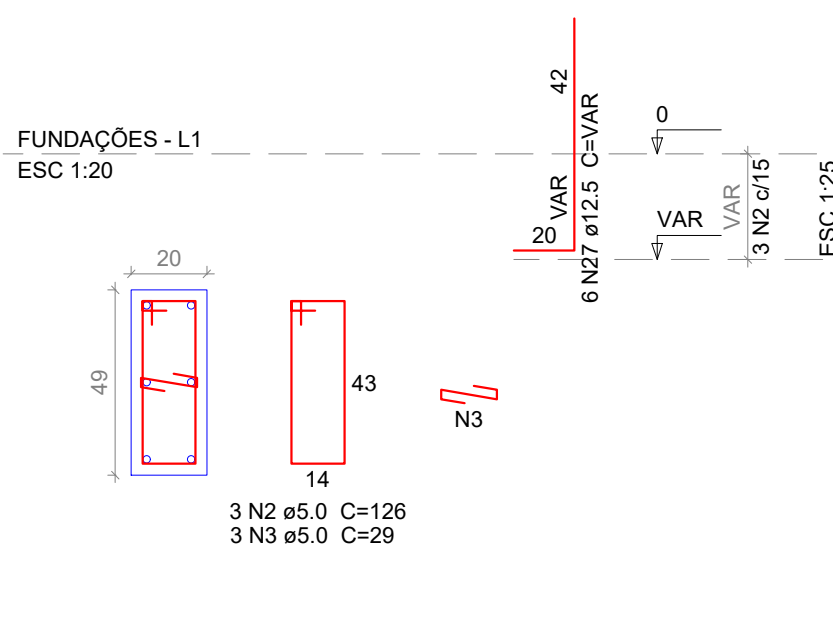


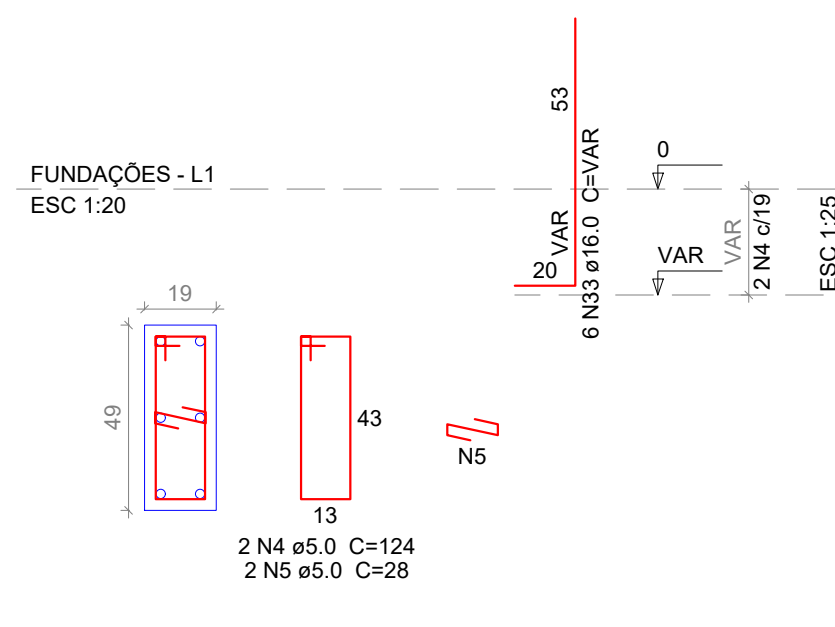
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P11=P18=P30=P31=P32=P34=P35=P36=P37
P38=P44=P45=P46=P54=P55=P56=P58=P59
P64=P65=P66=P67=P68



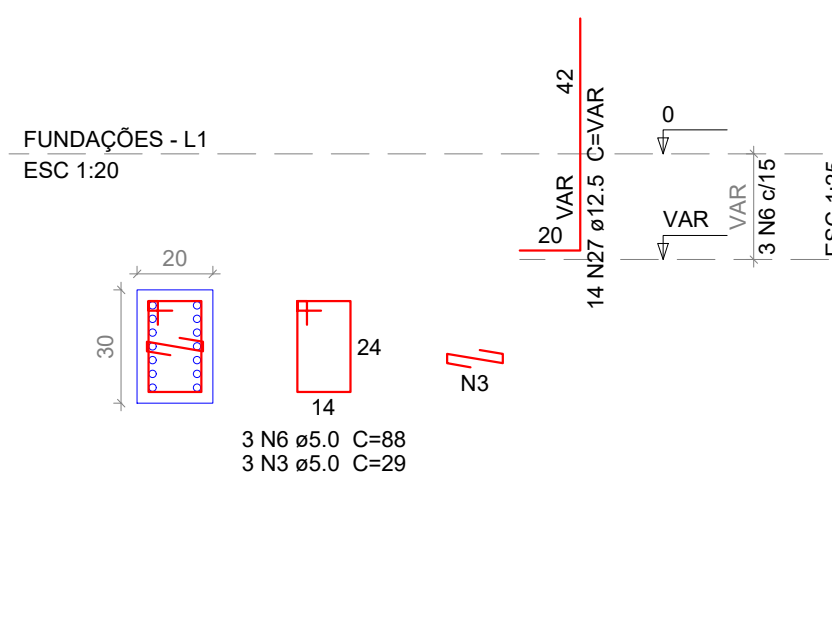
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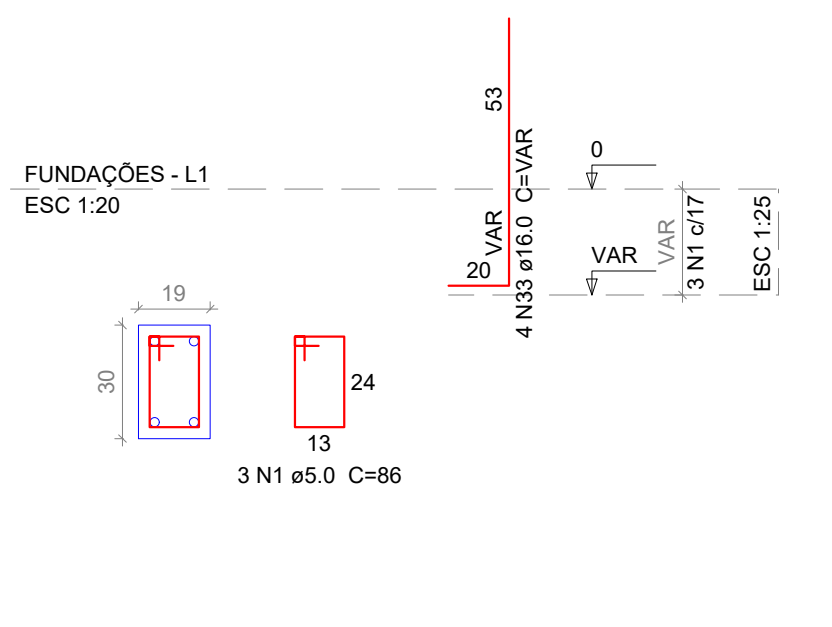
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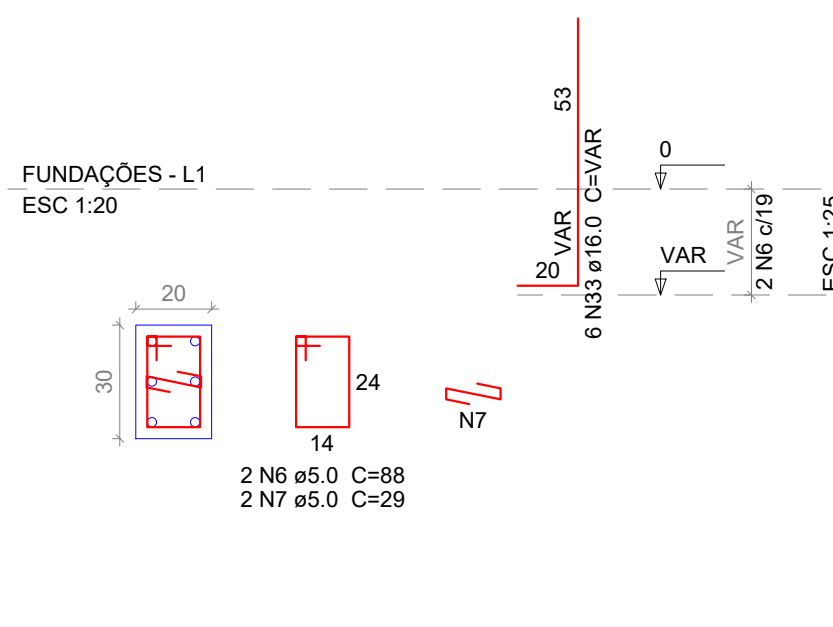
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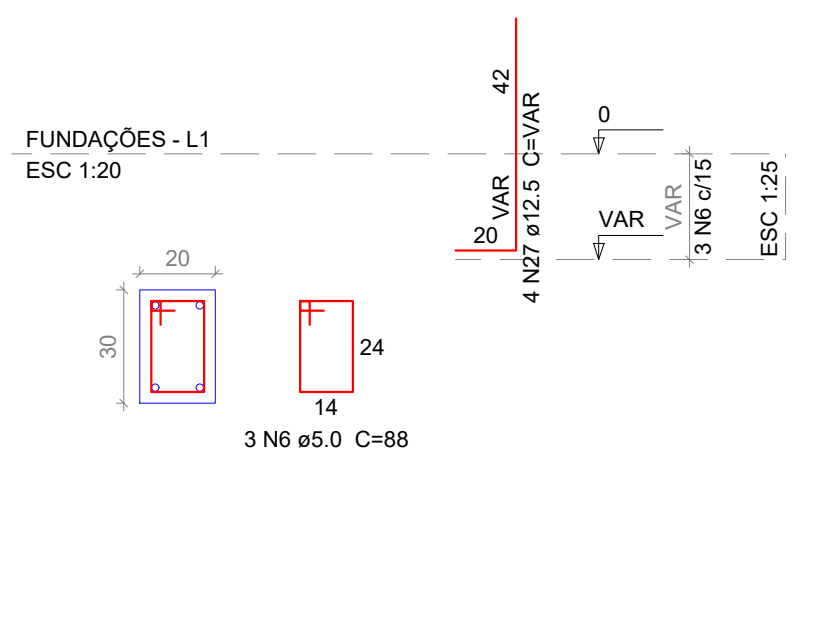
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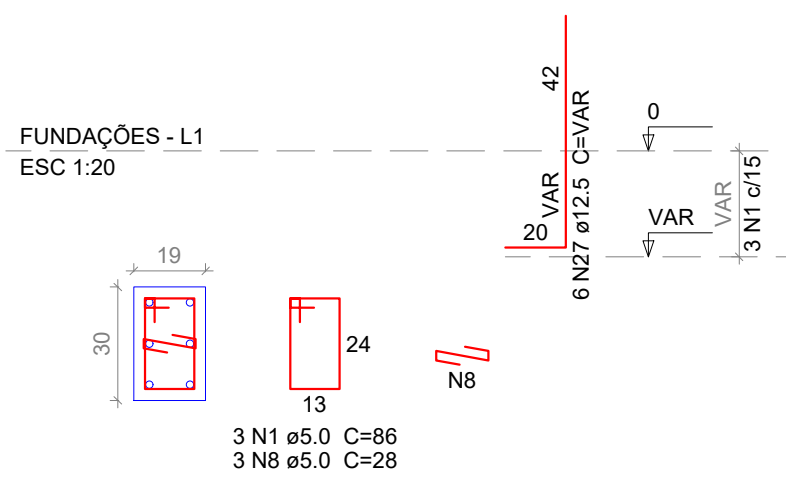
P49



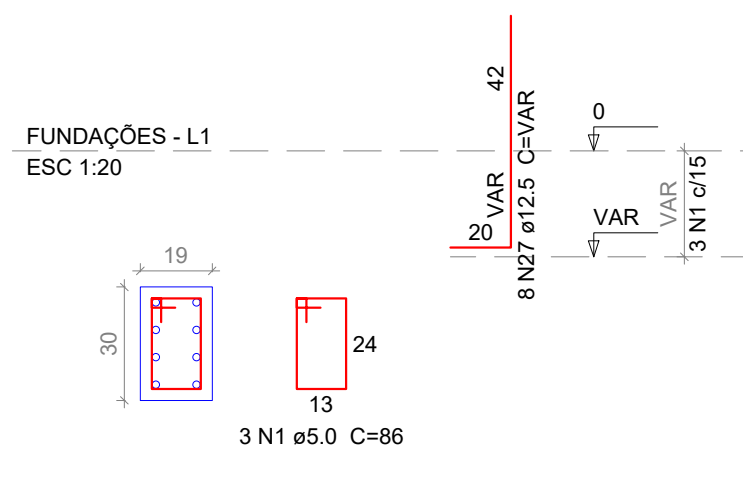
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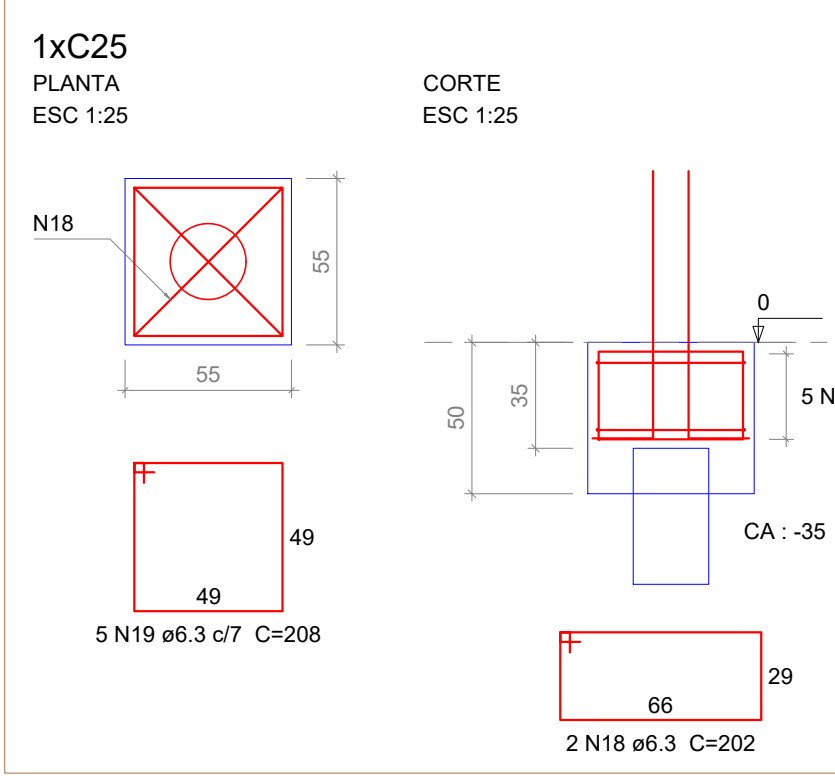
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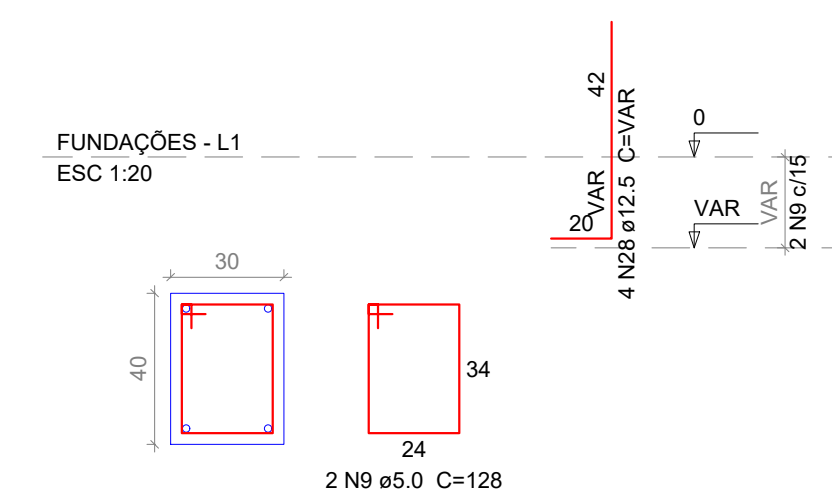
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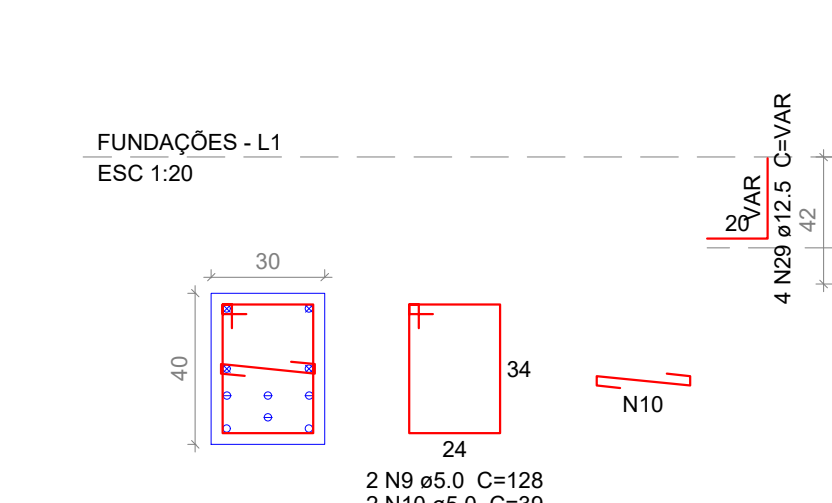
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B34=B35=B36=B37=B38=B44=B45=B46=B49
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B65=B66=B67=B68



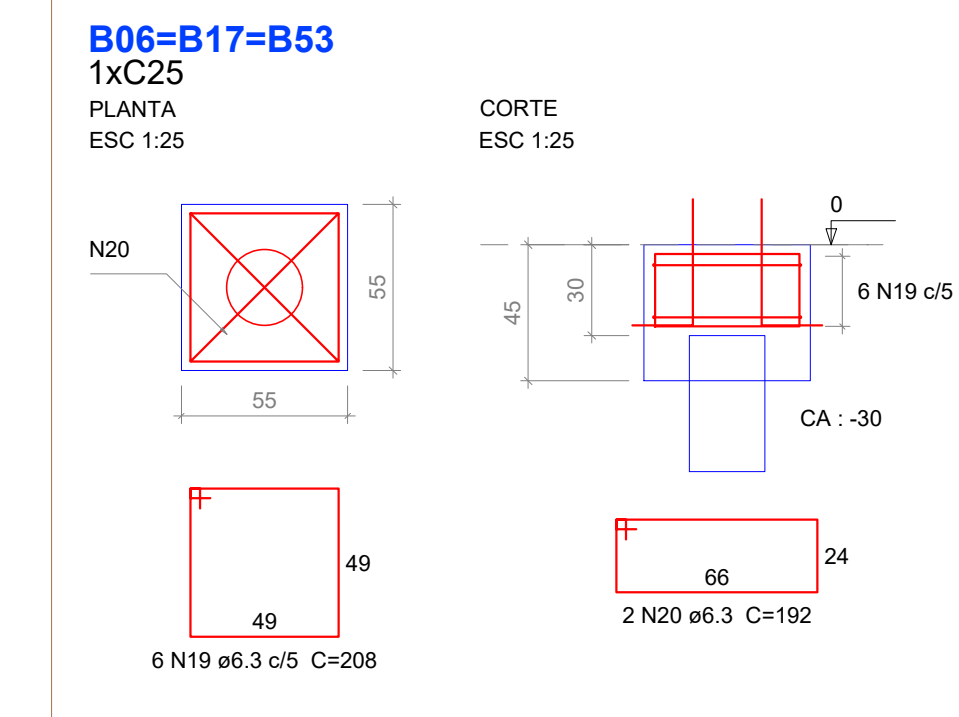
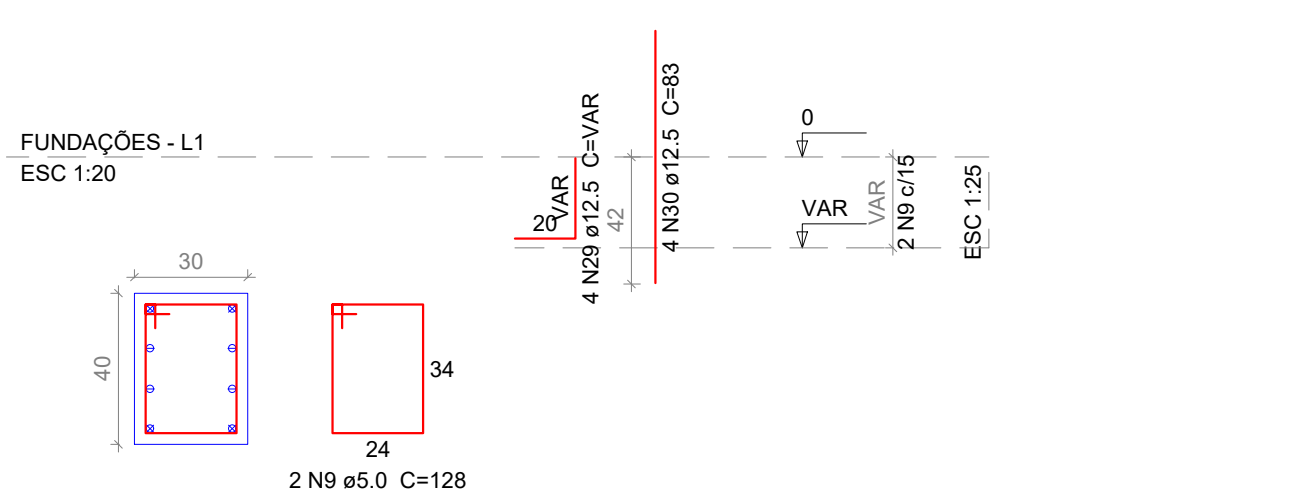
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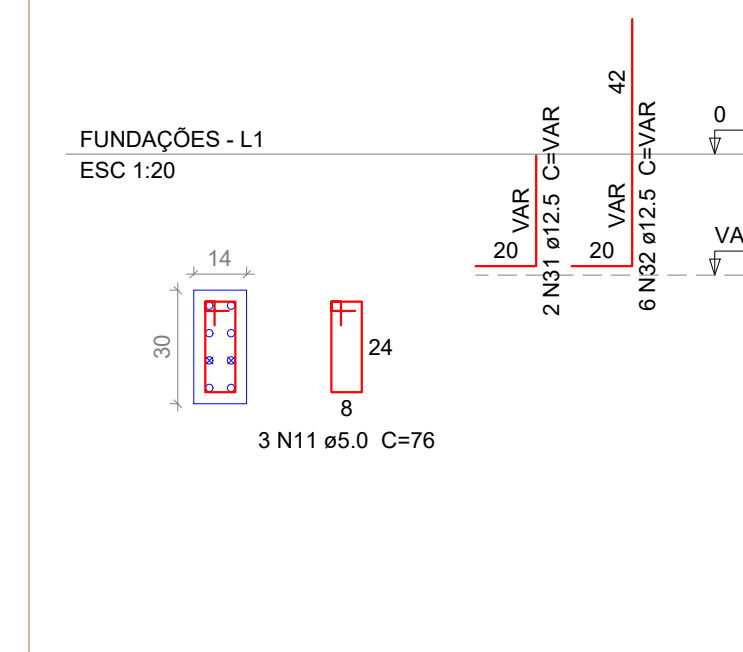
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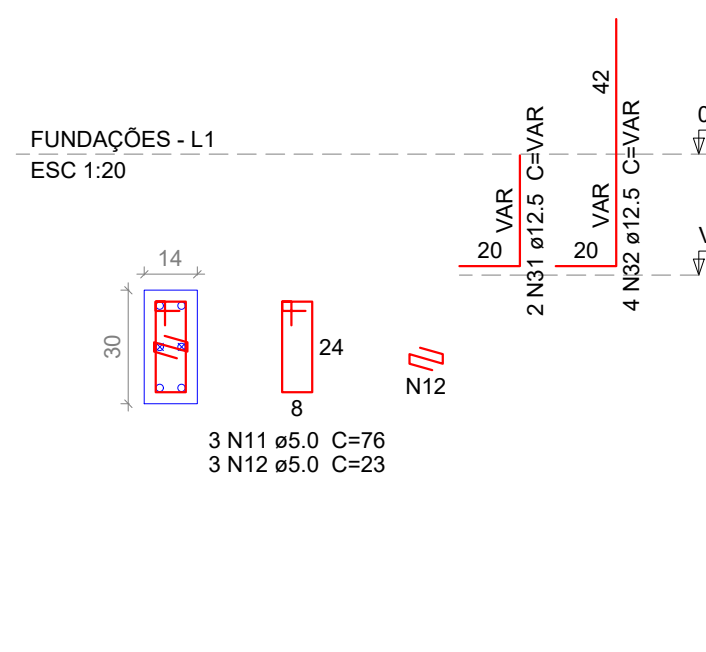
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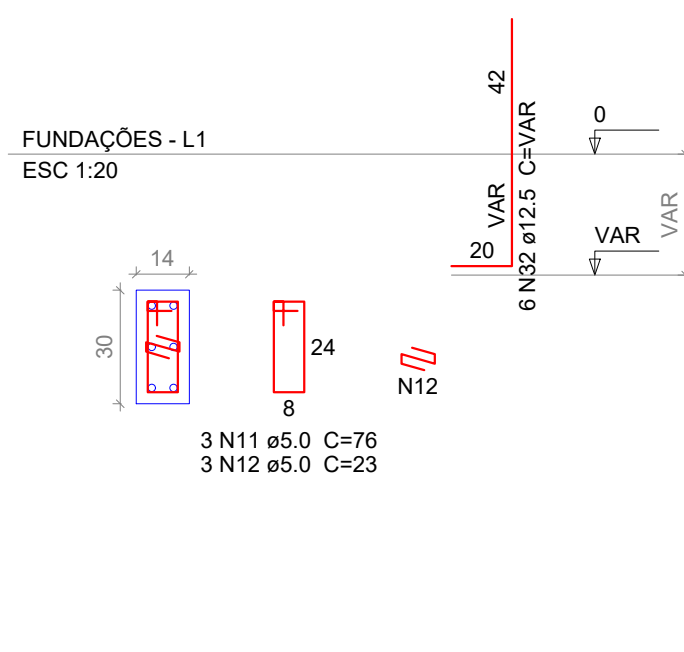
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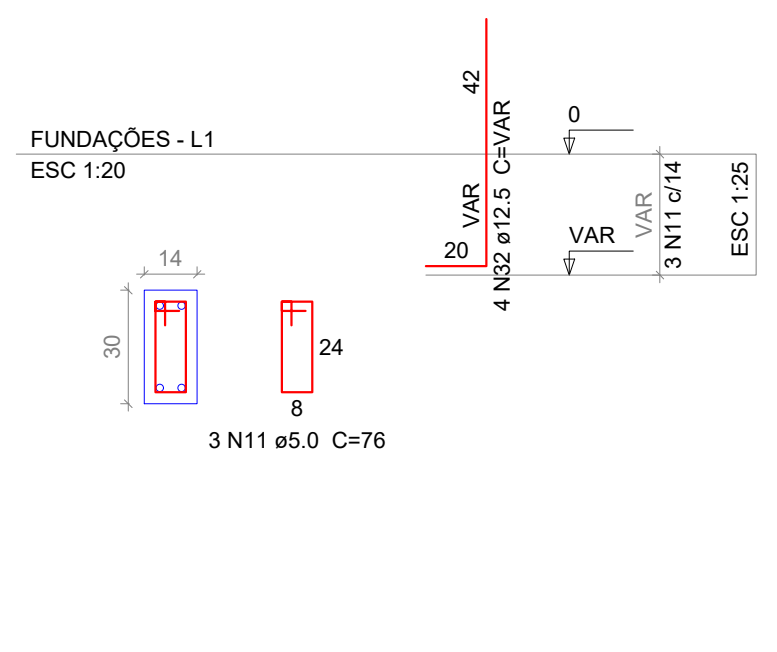
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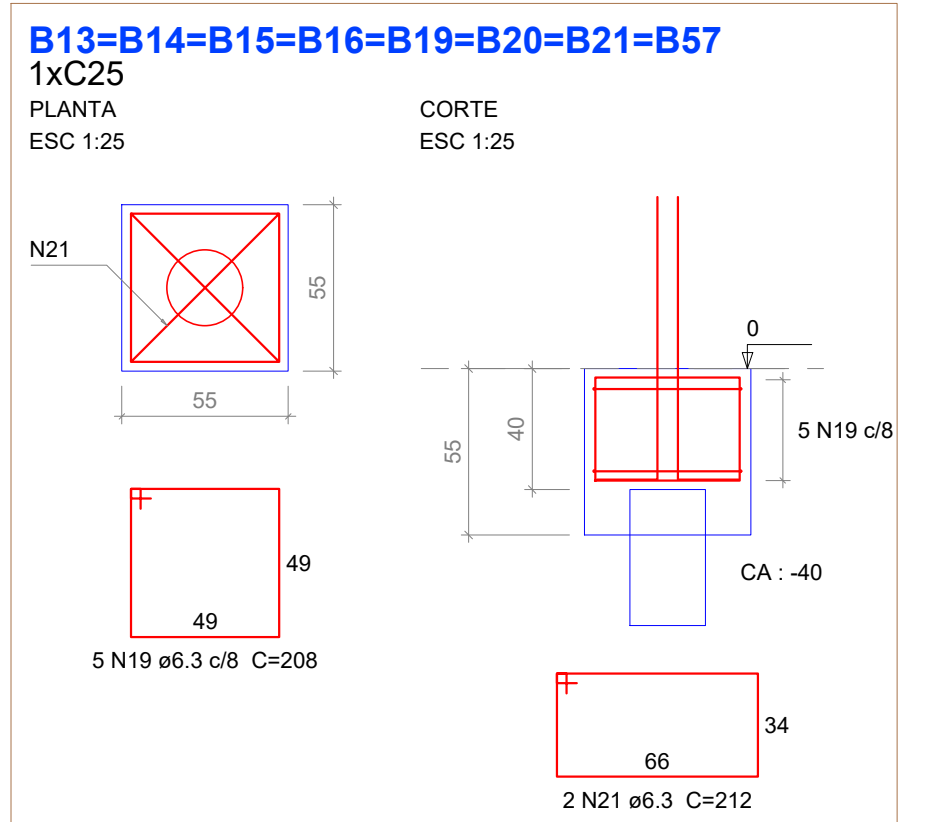
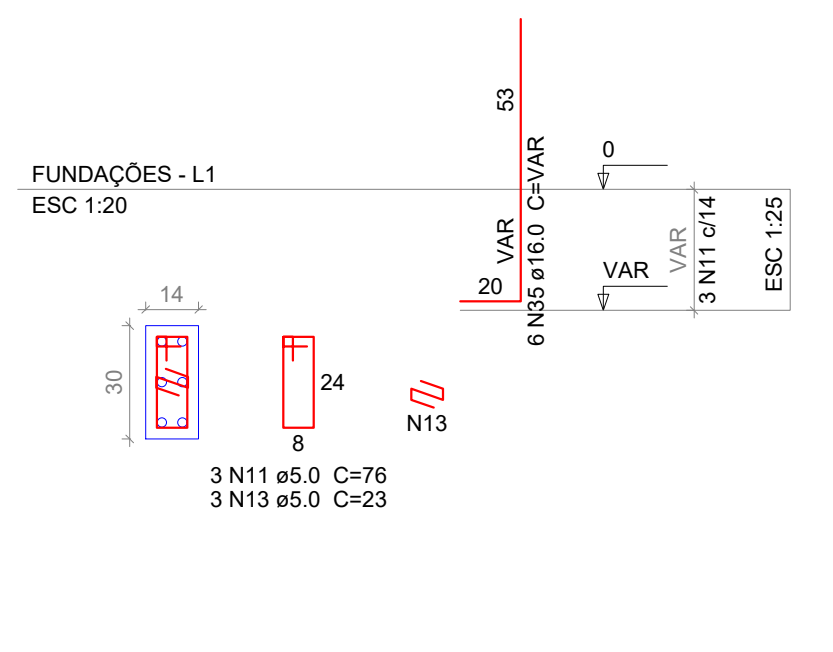
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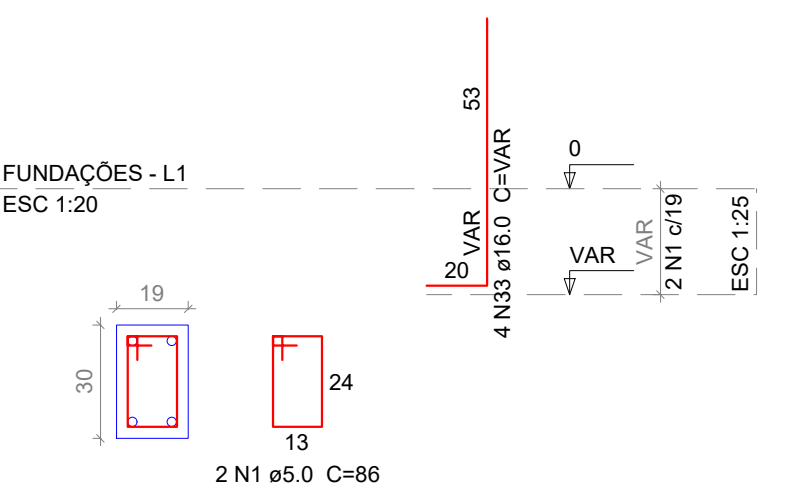
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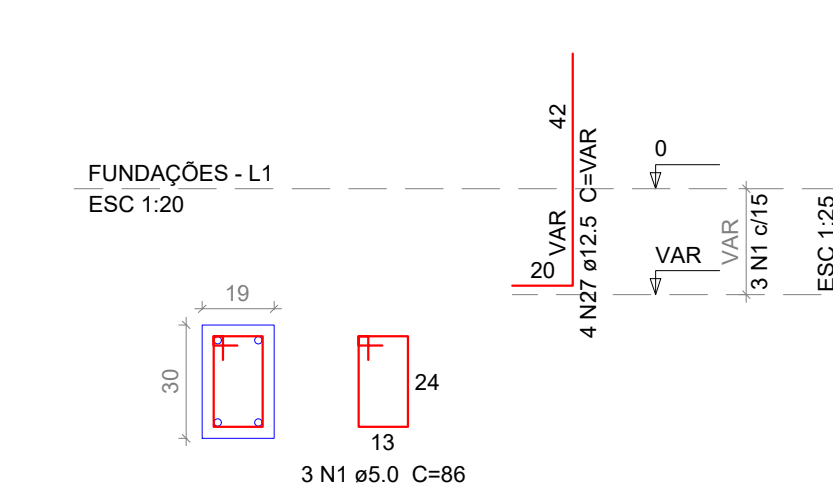
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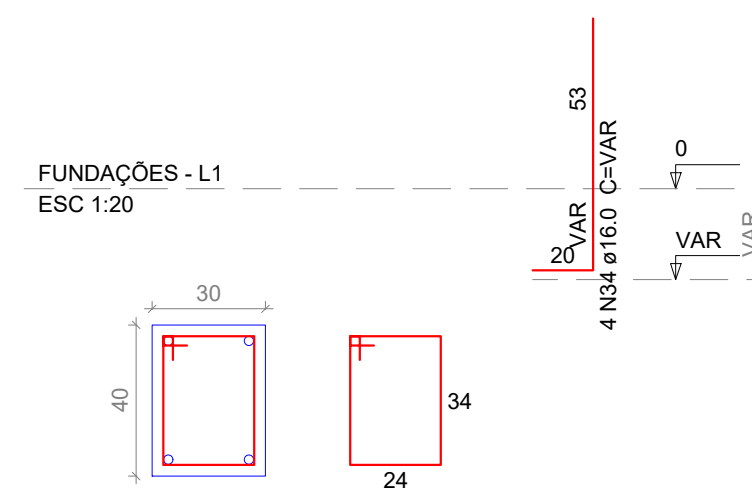
P25



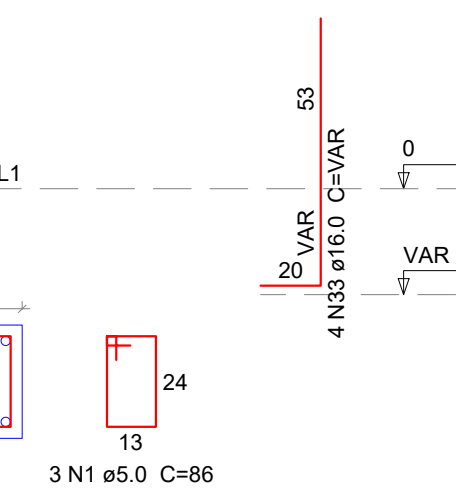
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P41=P42=P60=P61
P62



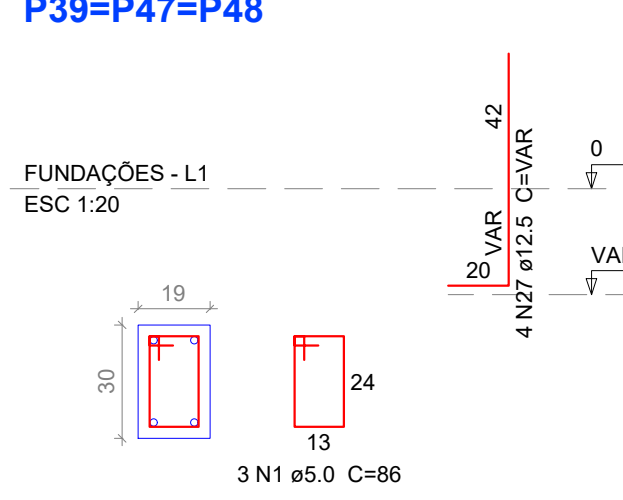
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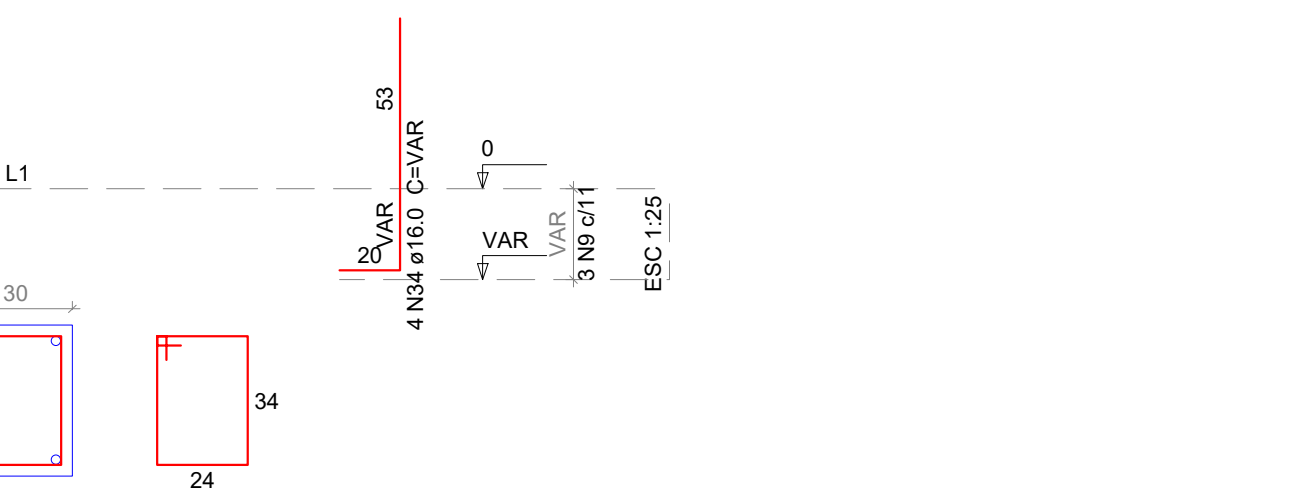
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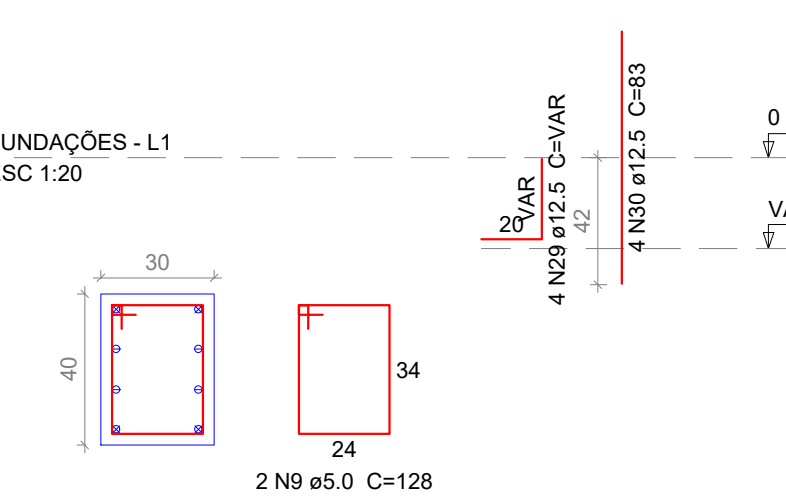
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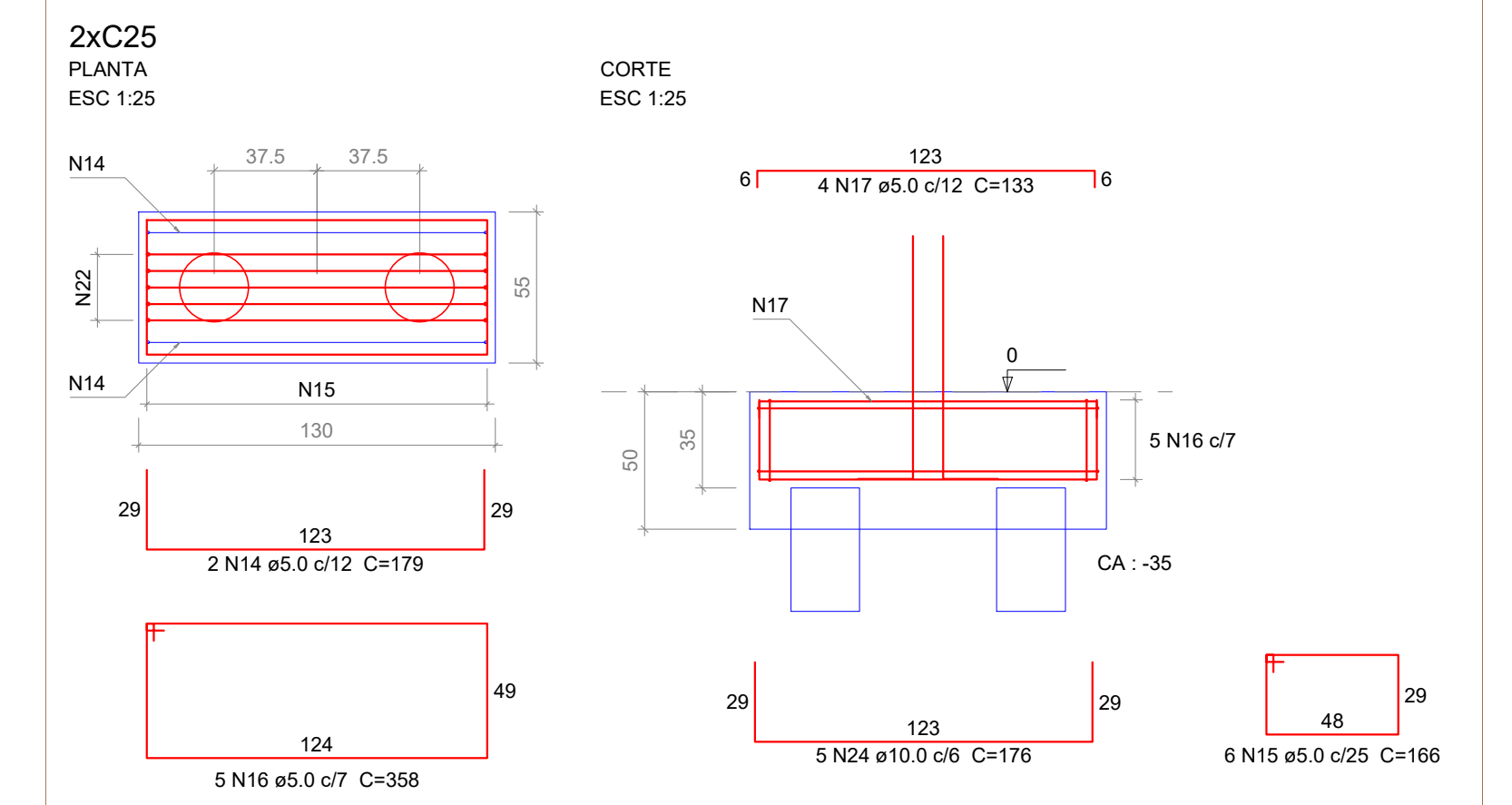
P43



P63



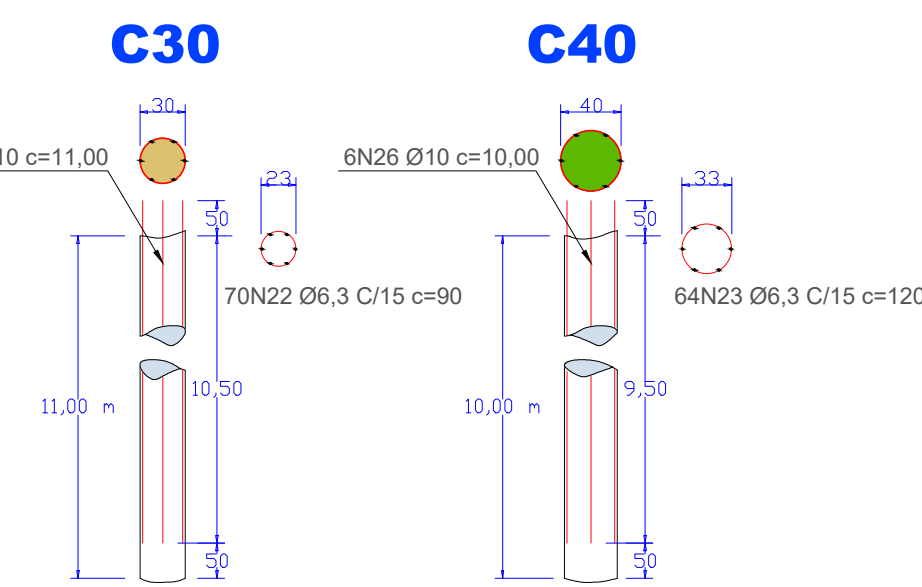
B25=B26=B27=B28=B29=B33
B39=B40=B41=B42=B43=B47
B48=B60=B61=B62=B63



Convenções das estacas

C30
Estacas: armadas tipo escavada com
Perfuratriz
Ø 30 cm
C-25
Brita 2, Slump 6s1
Profundidade= 11,00m
Quantidade= 76

C40
Estacas: armadas tipo escavada com
Perfuratriz
Ø 40 cm
C-25
Brita 2, Slump 6s1
Profundidade= 10,00m
Quantidade= 9 + 12 (Reservatório)



RELAÇÃO DO AÇO

ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	G.TOTAL (cm)
CA60	1	5.0	146	96	12556
	2	5.0	3	126	378
	3	5.0	6	39	174
	4	5.0	2	134	268
	5	5.0	2	28	56
	6	5.0	8	88	704
	7	5.0	2	39	58
	8	5.0	3	28	84
	9	5.0	13	128	1664
	10	5.0	2	39	78
	11	5.0	24	16	1824
	12	5.0	9	23	207
	13	5.0	3	23	69
	14	5.0	34	179	6086
	15	5.0	102	166	16932
CA50	16	5.0	85	368	30450
	17	5.0	68	133	9044
	18	6.3	80	252	16160
	19	6.3	298	298	53864
	20	6.3	6	192	1152
	21	6.3	16	212	3392
	22	6.3	5320	90	478800
	23	6.3	1344	120	161280
	24	10.0	85	176	14880
	25	10.0	456	1100	501600
	26	10.0	126	1000	126000
	27	12.5	214	VAR	VAR
	28	12.5	6	VAR	VAR
	29	12.5	12	VAR	VAR
	30	12.5	12	63	996
	31	12.5	8	VAR	VAR
	32	12.5	34	VAR	VAR
	33	16.0	24	VAR	VAR
	34	16.0	8	VAR	VAR
	35	16.0	6	VAR	VAR

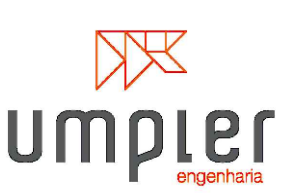
RESUMO DO AÇO

Aço	Diam. (mm)	Comp.Tot. (m)	Peso + 10 % (kg)
CA50	6.3	7144.5	1864.7
	10.0	6425.6	4452.9
	12.5	259.8	285.8
	16.0	39.5	88.5
CA60	5.0	860.0	141.9
PESO TOTAL			
CA50		6772.9	
CA60		141.9	

Volume de concreto (C-30) = 1.46 m³
Volume de concreto (C-25) = 13.24 m³
Área de forma = 122.94 m²

Prefeitura Municipal de São Carlos

Secretaria Municipal de Habitação e Desenvolvimento Urbano



Construção CEMEI Água Vermelha - Padrão (FDE - 150 alunos)

Endereço: Av. Dr. Ernesto Pereira Lopes, s/n - Distrito de Água Vermelha

Município - UF: São Carlos, SP.

Proprietário: Prefeitura Municipal de São Carlos

Código: CEMEI-ÁGUA-VERMELHA_ESTRUTURA_FOLHA-04-22_REV.00

Responsável Técnico: Engenheiro Julio Cesar Ortiz Moran

Julio Cesar Ortiz Moran
Responsável Técnico
CREA: 5063045310

PROJETO EXECUTIVO

ESTRUTURA

Conteúdo (Descrição):

BLOCOS - PILARES - ESTACAS

Escalas:

Indicadas

Projeto: ESTRUTURAL

Revisão: 00

Folha: 04/22

Data: Abril / 2021