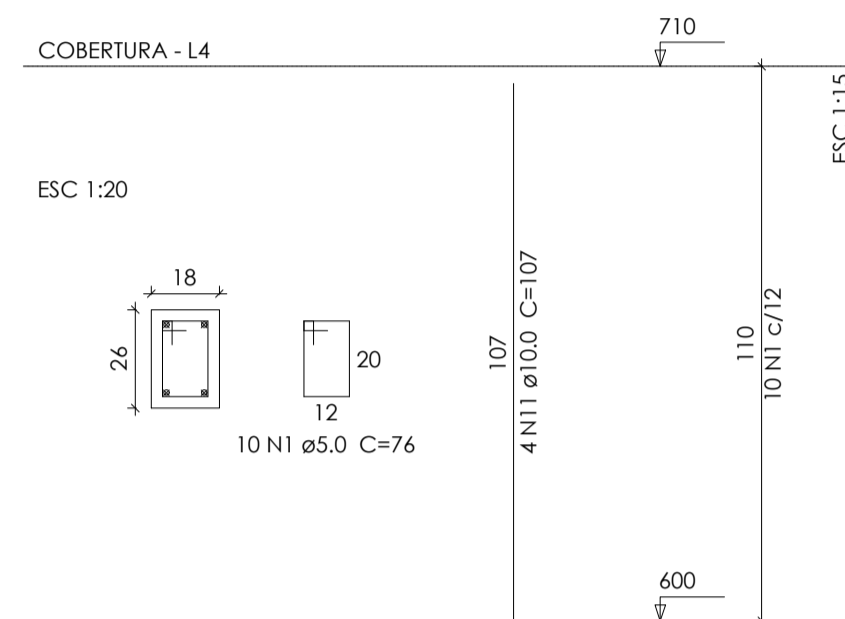
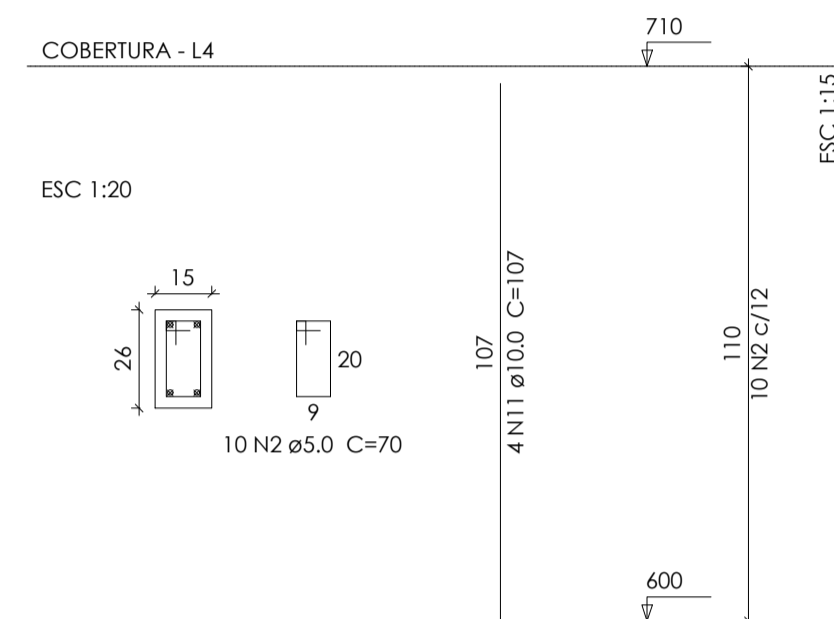


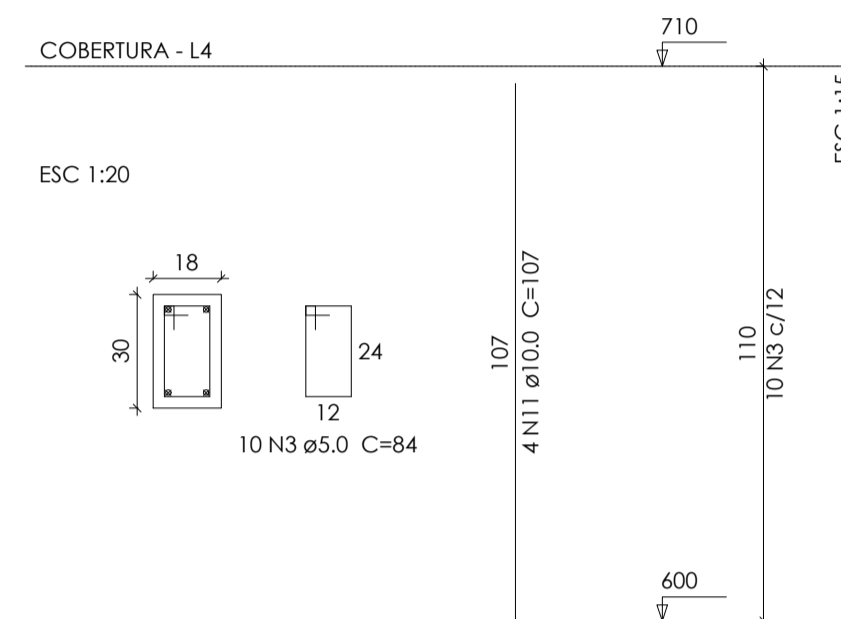
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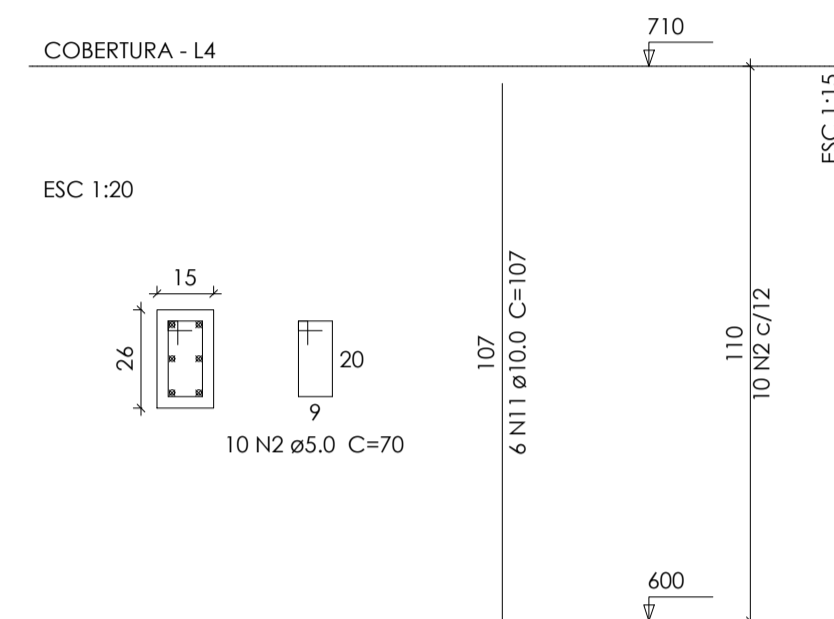
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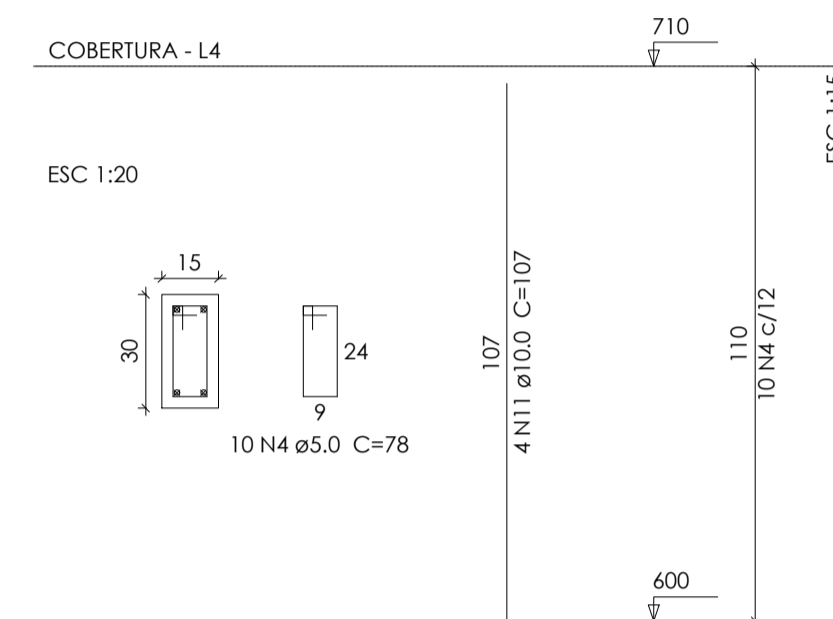
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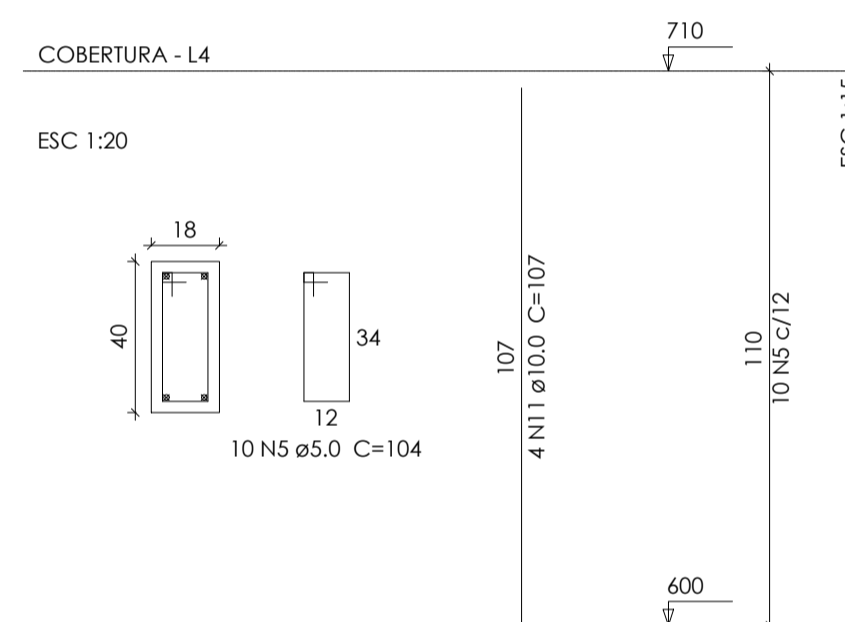
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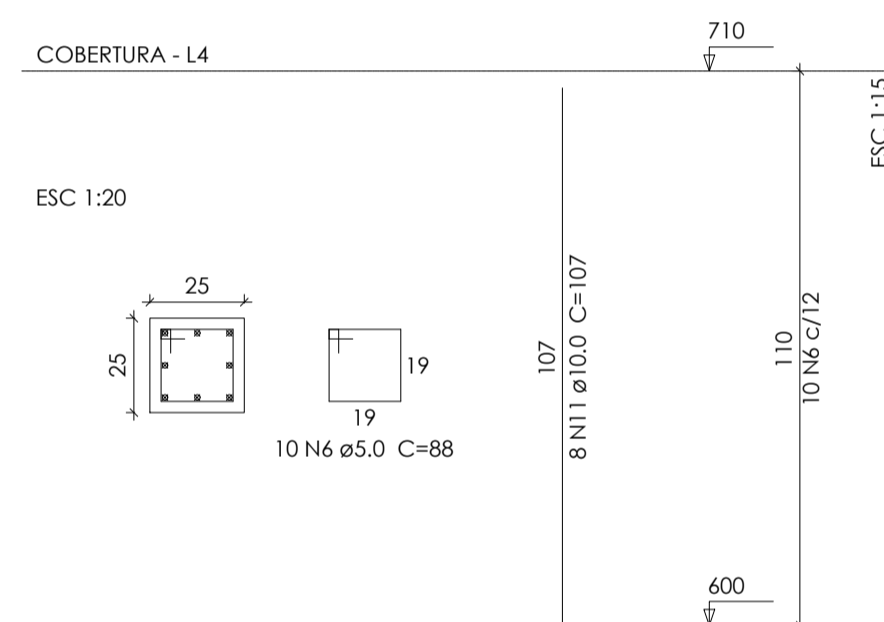
P42



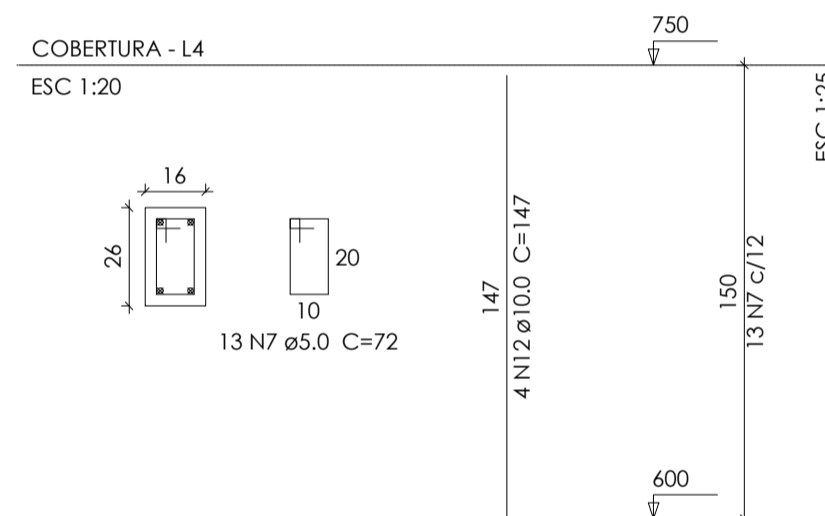
P45



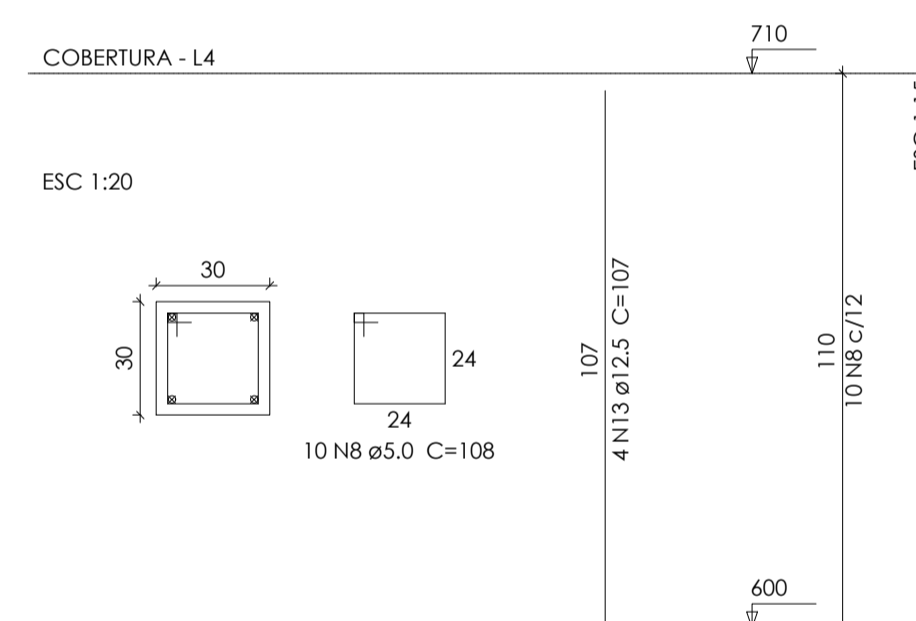
P48



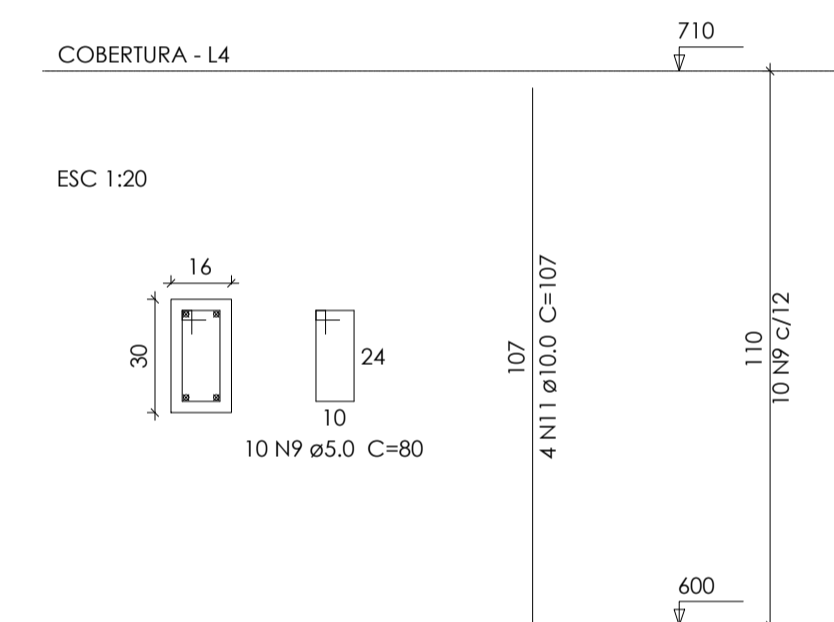
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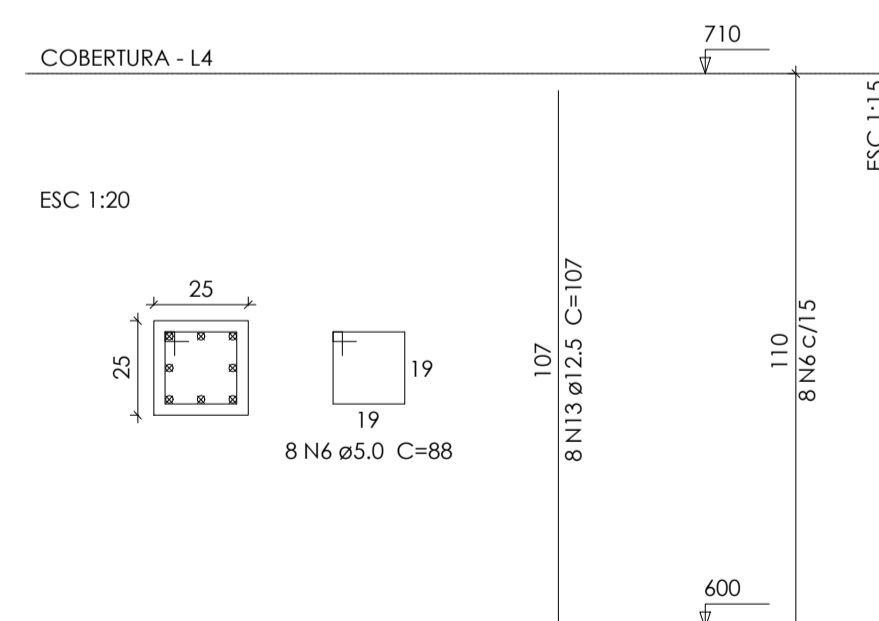
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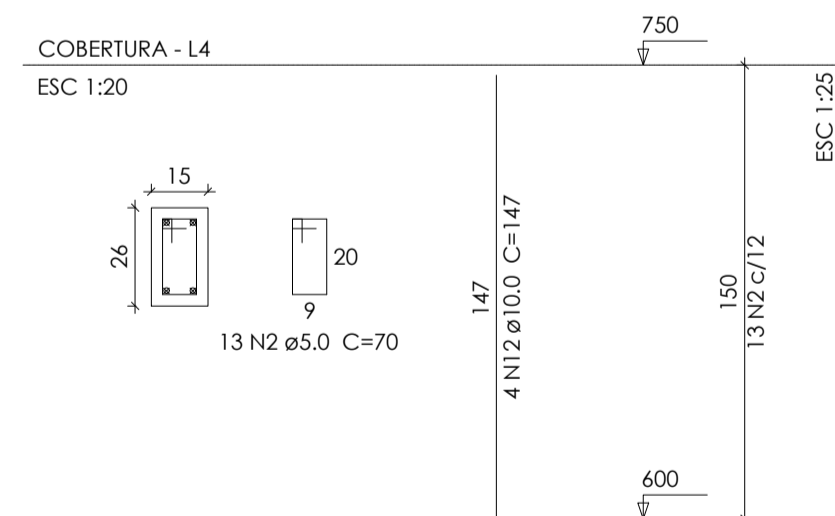
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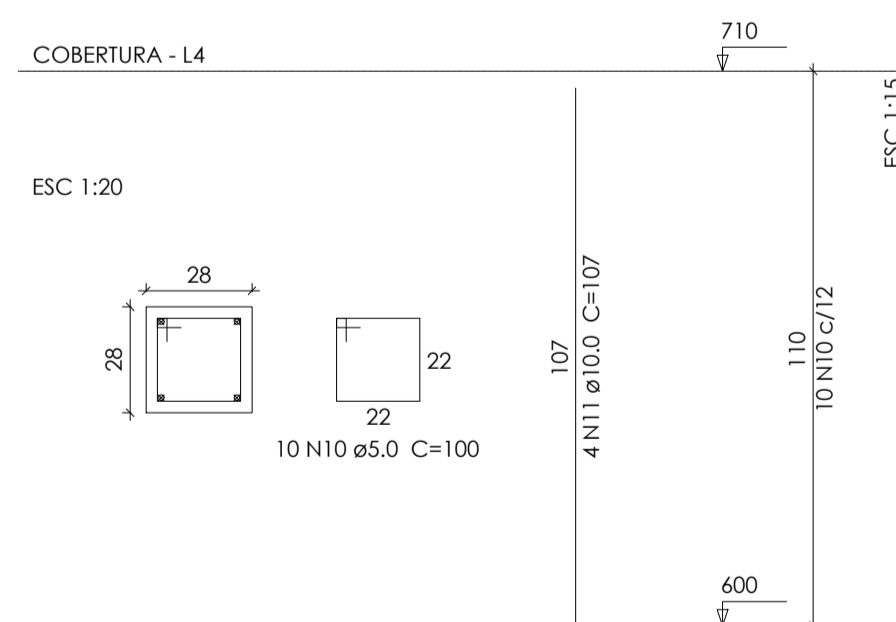
P59



P6



P60



Relação do aço

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)	
CA60	1	5.0	30	76	2280	
	2	5.0	73	70	5110	
	3	5.0	10	84	840	
	4	5.0	10	78	780	
	5	5.0	10	104	1040	
	6	5.0	18	88	1584	
	7	5.0	13	72	936	
	8	5.0	10	108	1080	
	9	5.0	10	80	800	
	10	5.0	10	100	1000	
	CA50	11	10.0	68	107	7276
		12	10.0	8	147	1176
		13	12.5	12	107	1284

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	84.6	57.3
CA60	5.0	154.5	13.6
PESO TOTAL			26.2
CA50	70.9		
CA60	26.2		

Vol. de concreto total [C-25] = 1.1 m³
Área de forma total = 19.89 m²



FOCO
engenharia
PROJETOS E EXECUÇÕES

TÍTULO:
Construção câmara de vereadores

PROJETO:
Pilares pavimento cobertura

FOLHA:
30/30

DATA:
12/11/21

DADOS DO PROPRIETÁRIO(A): MUNICIPIO DE PORTO DOS GAÚCHOS
ENDEREÇO DO PROPRIETÁRIO(A): Praça Leopoldina Wilke 19, Centro - Porto dos Gaúchos - MT
CPF / CNPJ: 03.204.187/0001-33
TELEFONE: (66)3526-2000

TIPO DA OBRA: Construção comercial em alvenaria, forro de gesso e cobertura isotérmica

ASSINATURAS:

AUTOR DO PROJ.:
Evelin Luani Montagna
Engenheira Civil
Crea-MT: 039125

RESP. TÉCNICO:
Evelin Luani Montagna
Engenheira Civil
Crea-MT: 039125

PROPRIETÁRIO(A):
Município de Porto dos Gaúchos
CNPJ: 03.204.187/0001-33