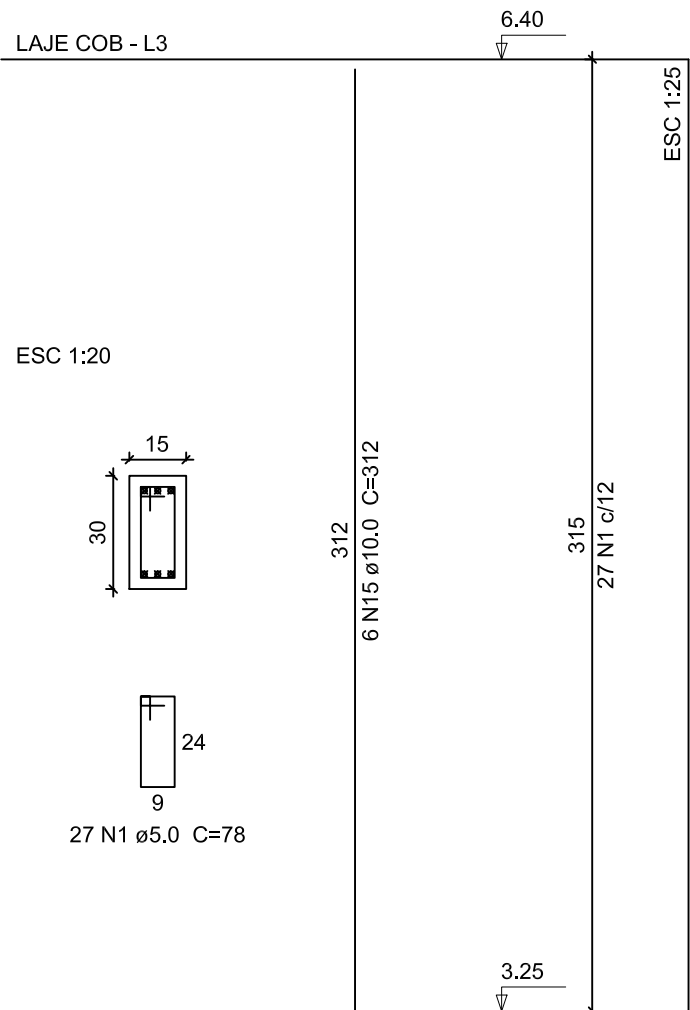
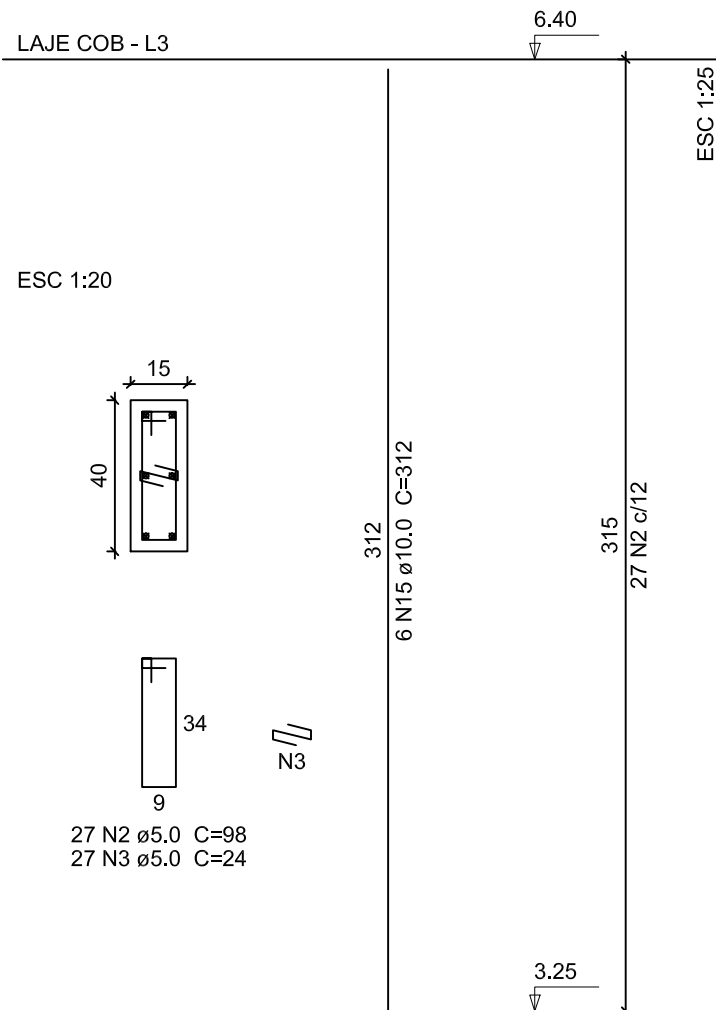


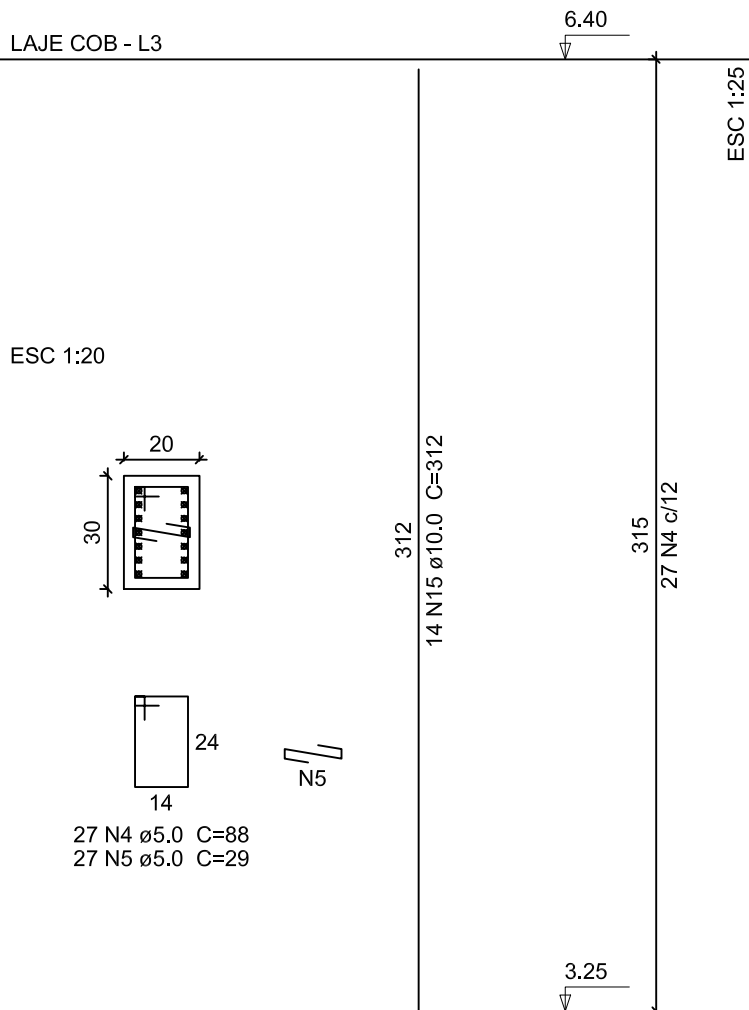
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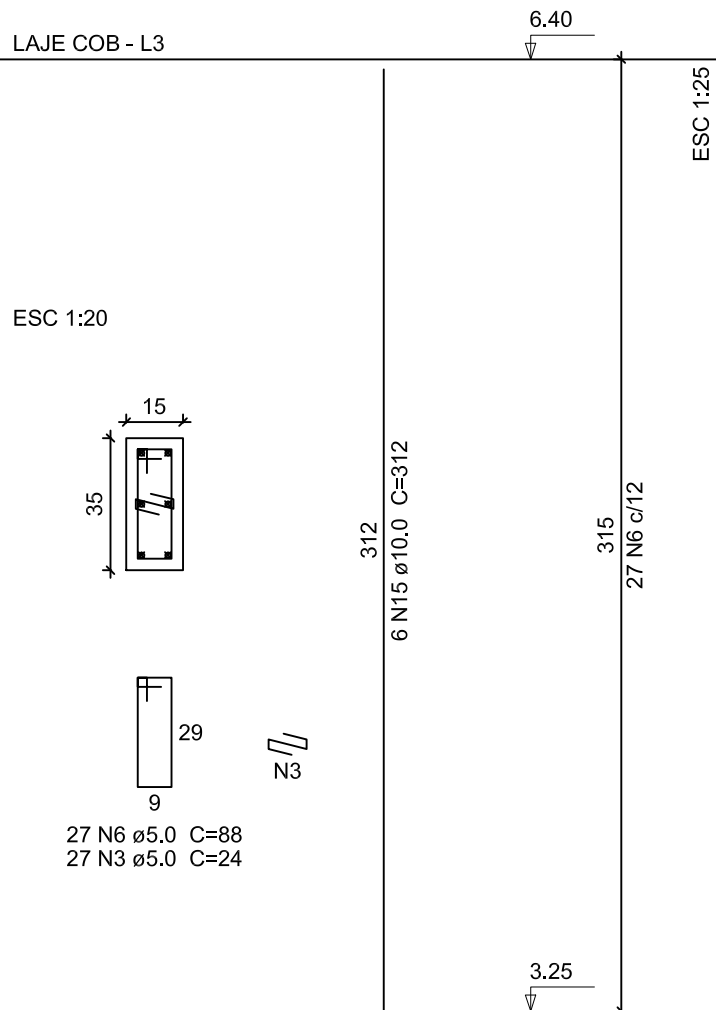
P13=P14=P19=P20=P24=P25



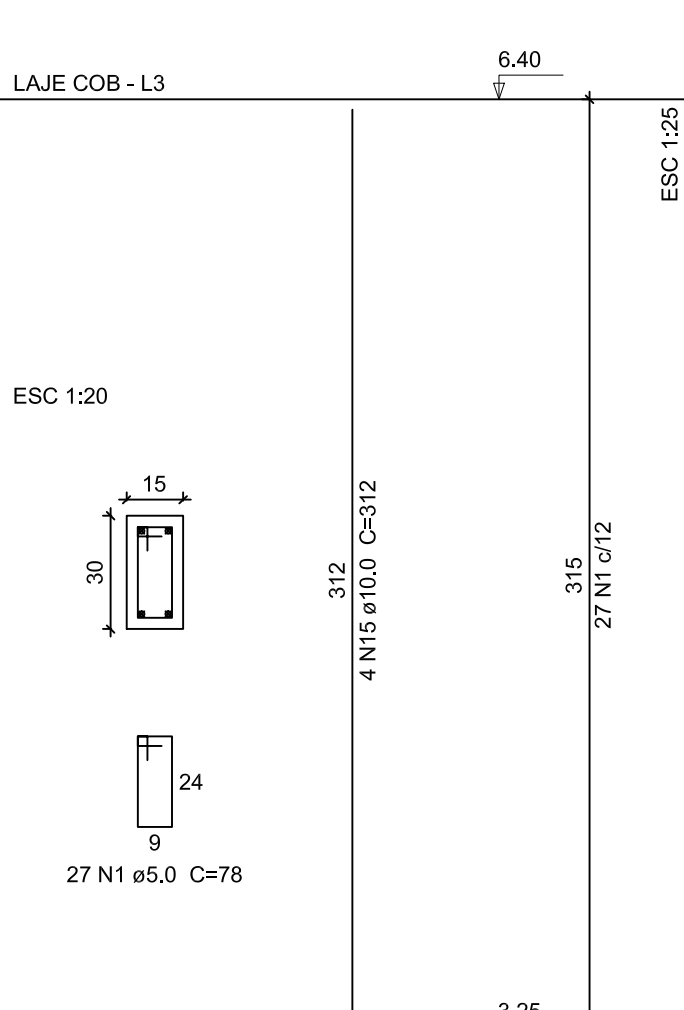
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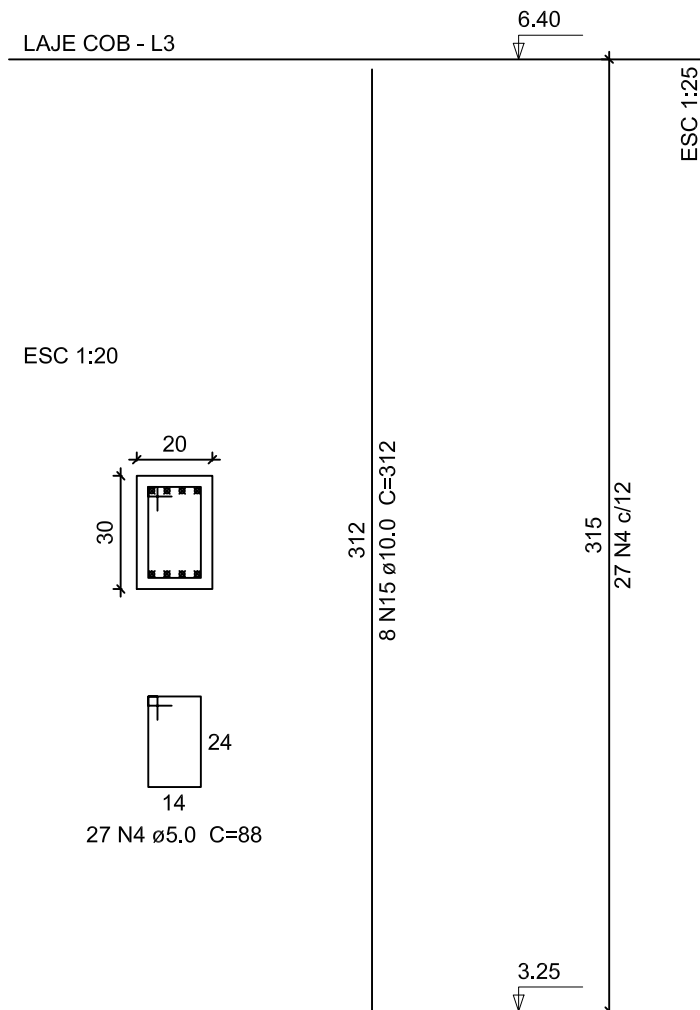
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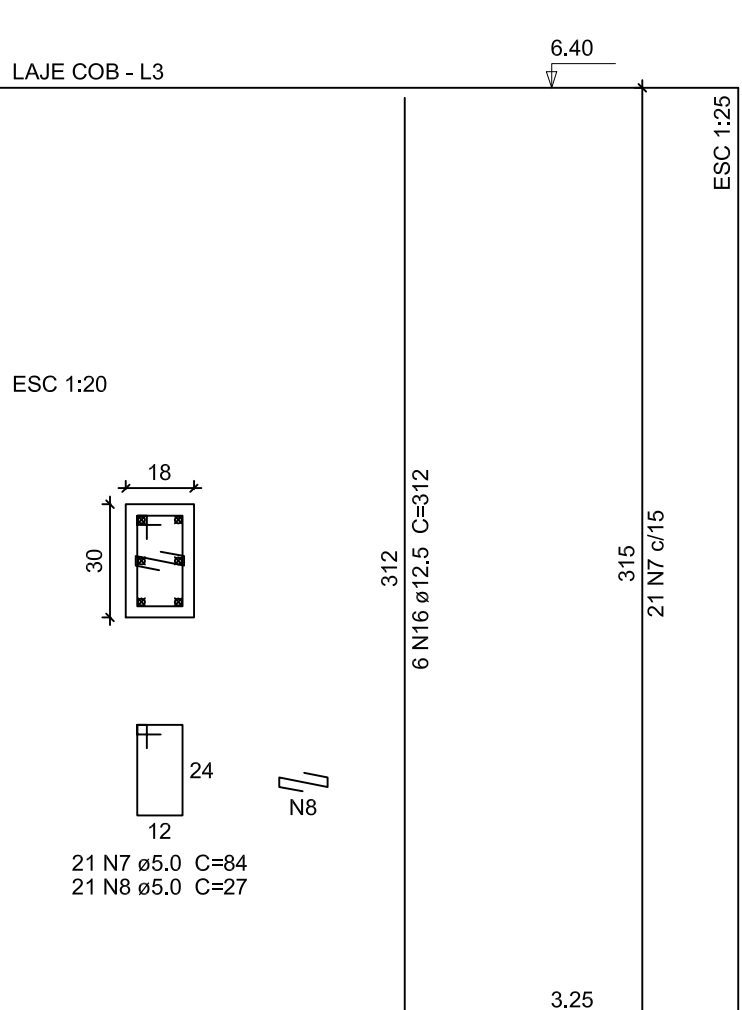
P2=P8=P10=P11=P12=P15=P18=P22=P32=P35
=P36=P37=P38=P39=P41



P21



P23



Relação do aço

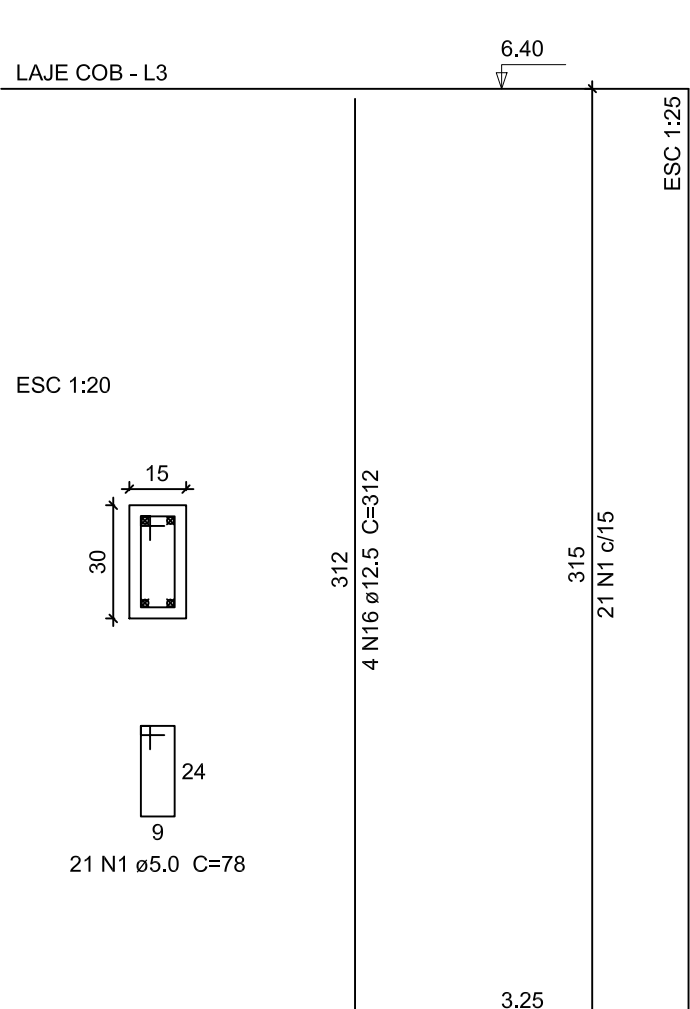
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	555	78	43290
	2	5.0	162	98	15876
	3	5.0	216	24	5184
	4	5.0	81	88	7128
	5	5.0	54	29	1566
	6	5.0	27	88	2376
	7	5.0	48	84	4032
	8	5.0	21	27	567
	9	5.0	81	80	6480
	10	5.0	54	92	4968
	11	5.0	54	94	5076
	12	5.0	21	24	504
	13	5.0	42	88	3696
	14	5.0	27	25	675
	15	10.0	206	312	64272
	16	12.5	32	312	9984

Resumo do aço

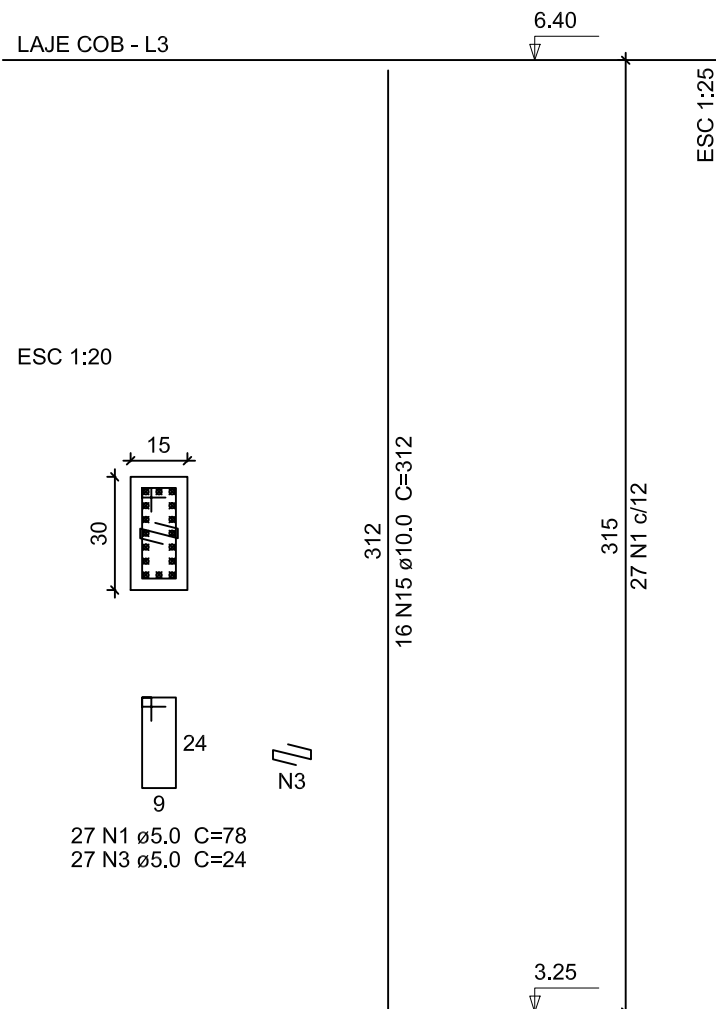
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	642.8	435.9
CA60	12.5	99.9	105.8
CA60	5.0	1014.2	172
PESO TOTAL (kg)			
CA50		541.7	
CA60		172	

Volume de concreto (C-25) = 6.8 m³
Área de forma = 127.2 m²

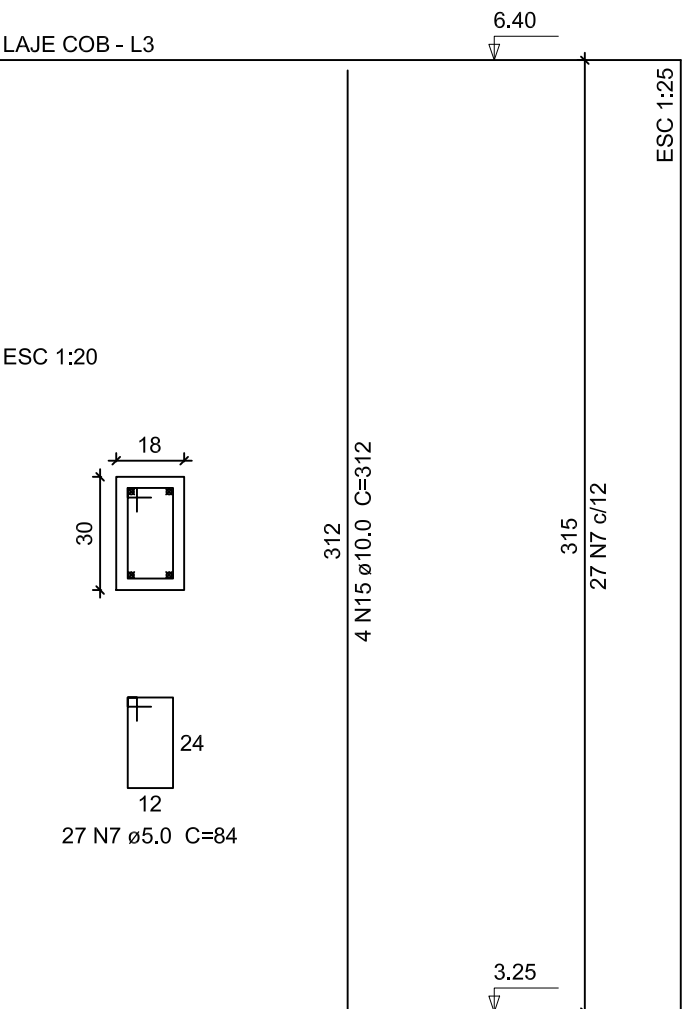
P26



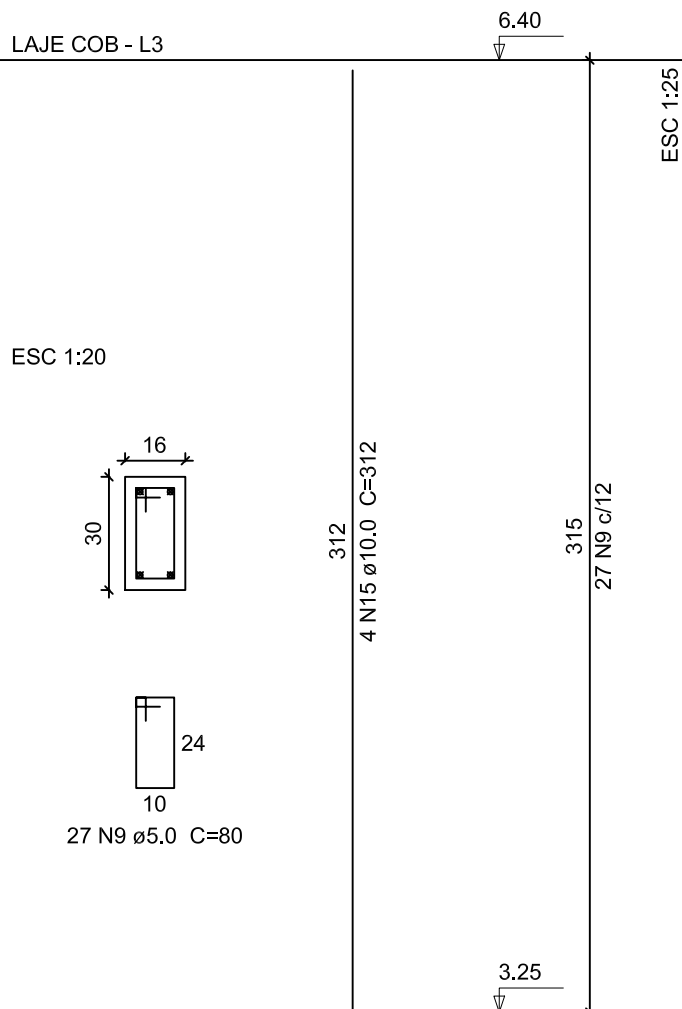
P27



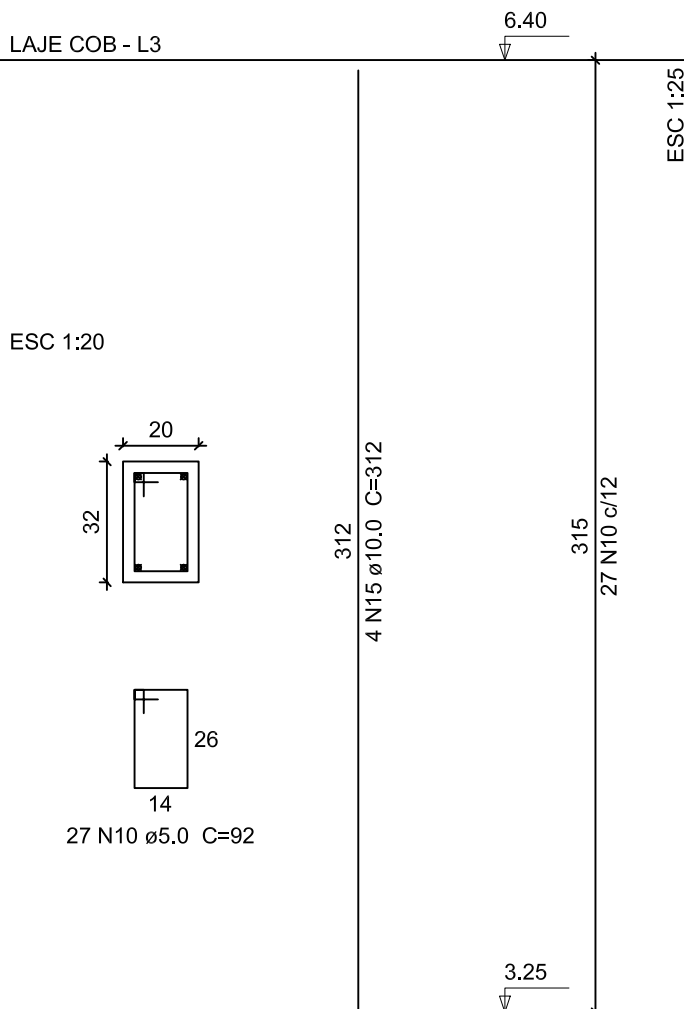
P28



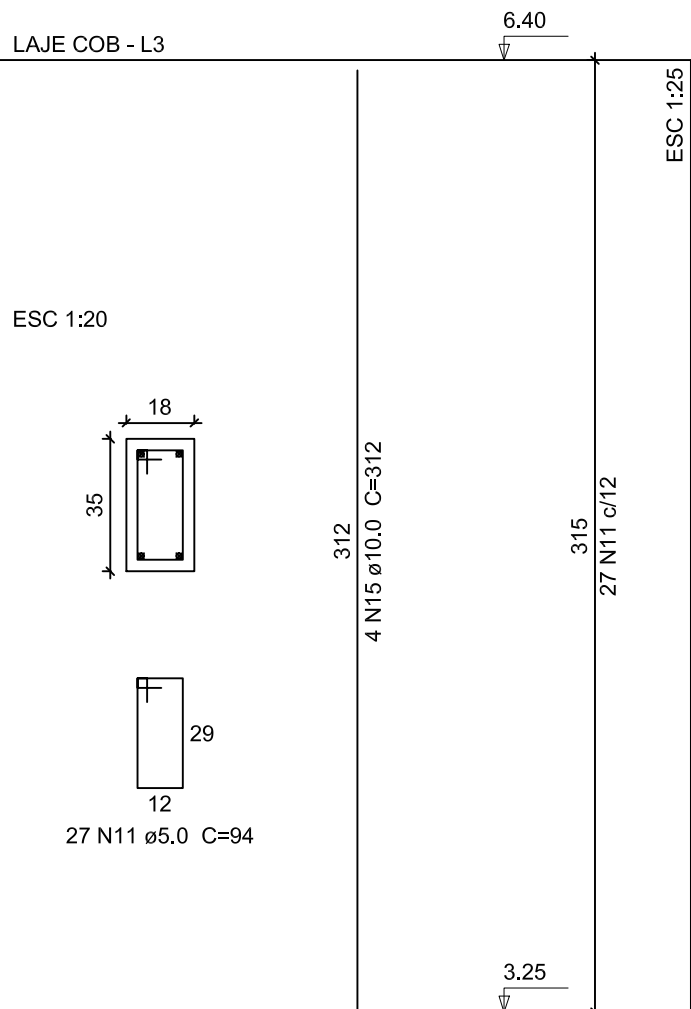
P3=P4



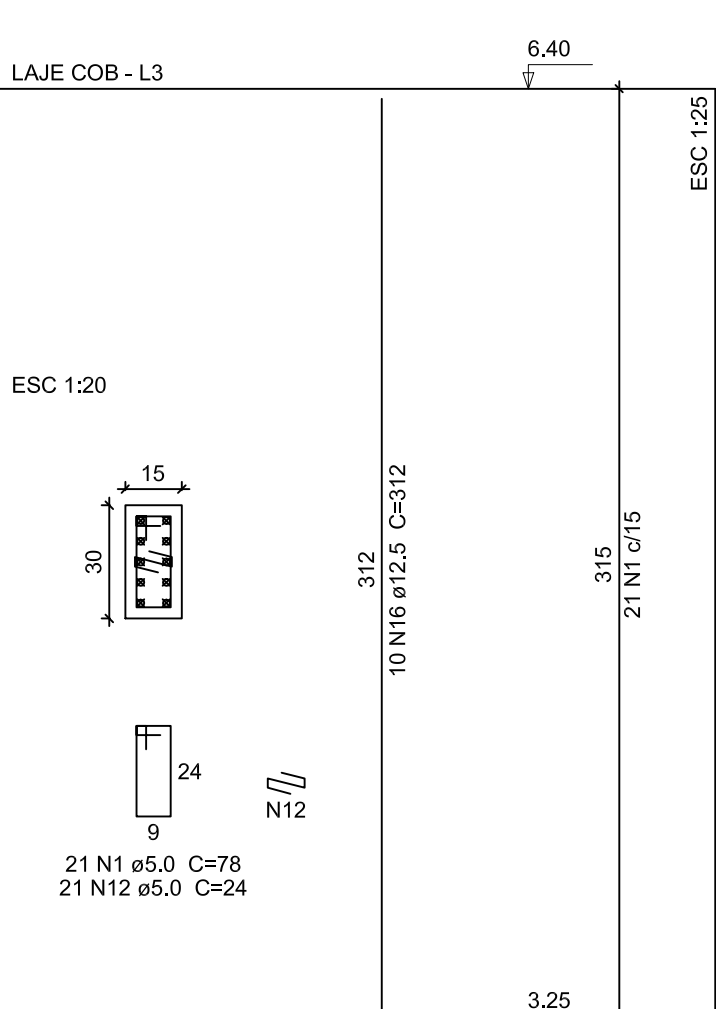
P30=P31



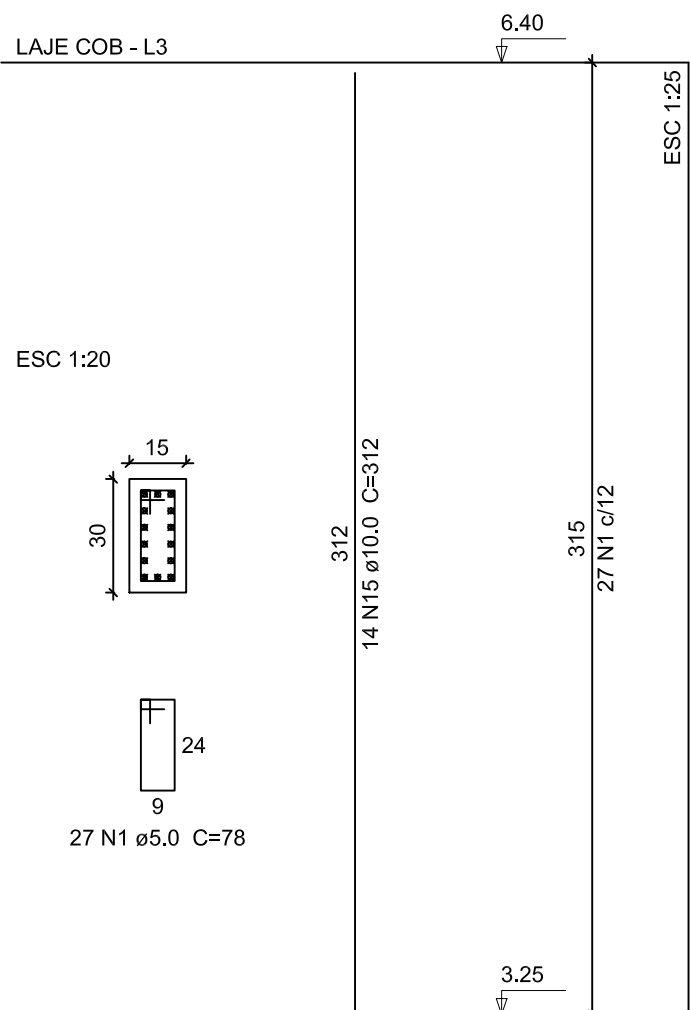
P33=P34



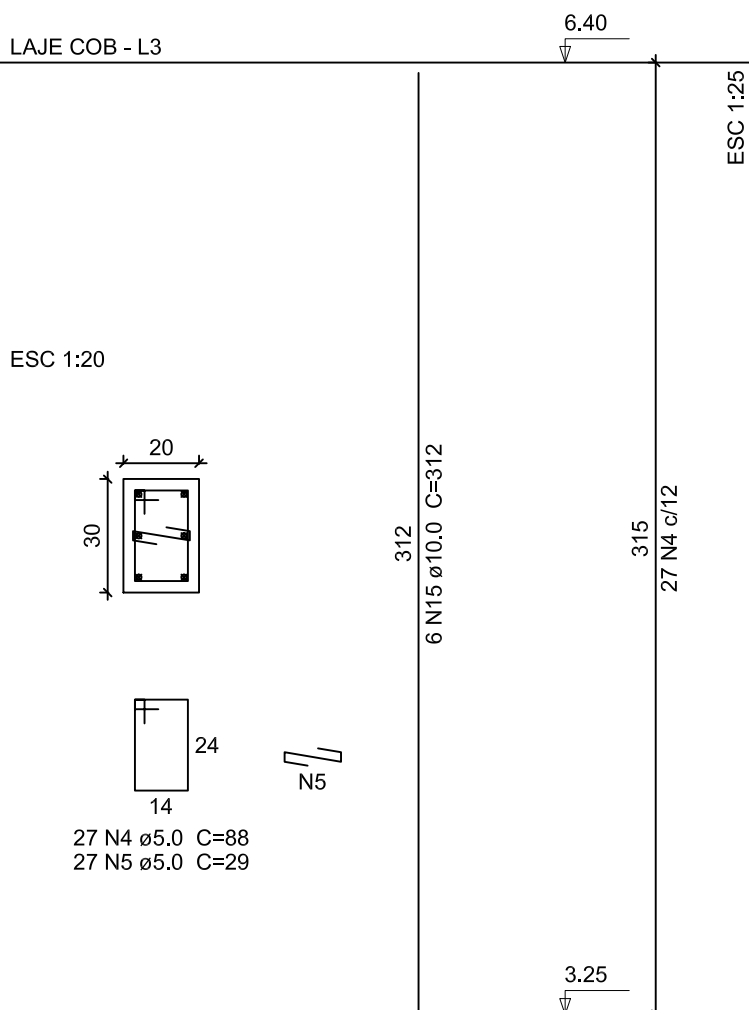
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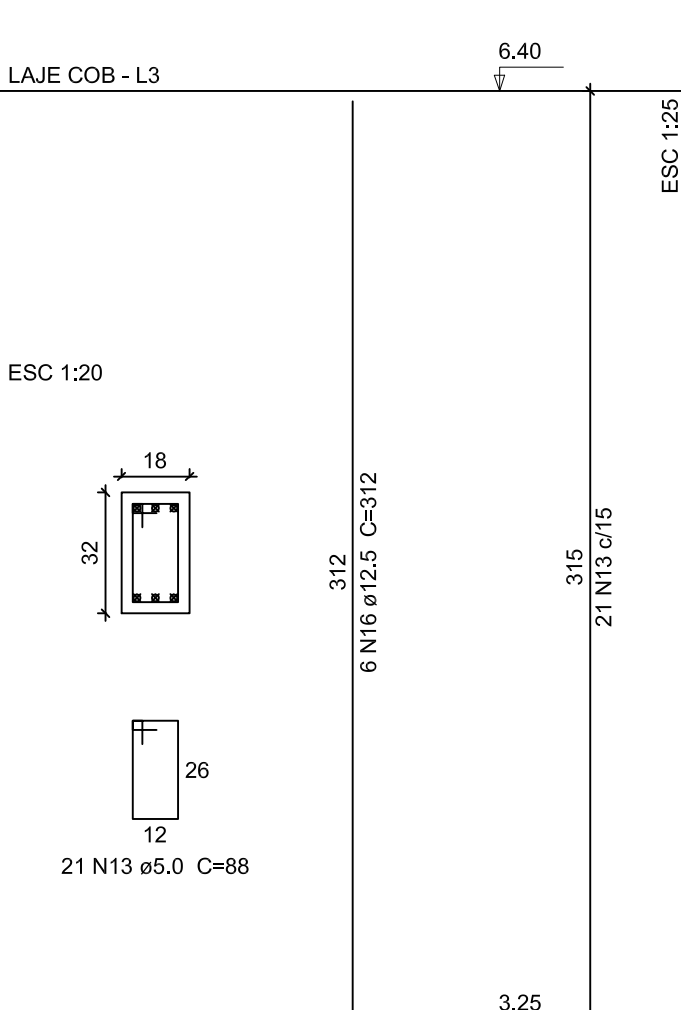
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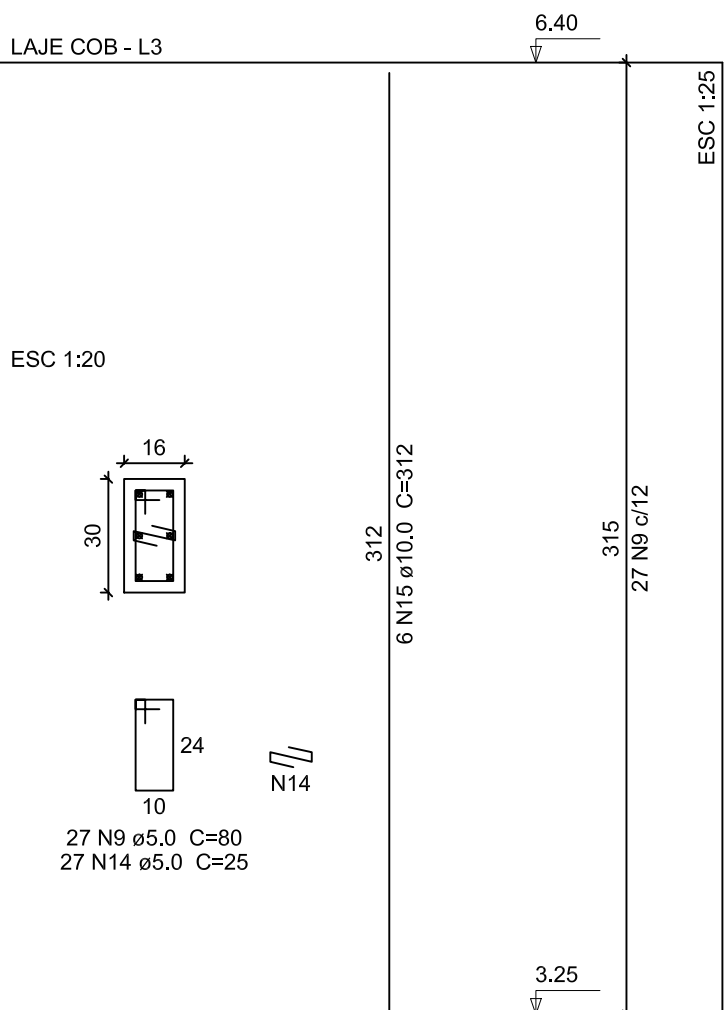
P5



P6=P7



P9



MUNICÍPIO DE ARAUCÁRIA
SECRETARIA MUNICIPAL DE OBRAS PÚBLICAS - SMOP

TÍTULO
EDIFICAÇÃO - VIGILÂNCIA SANITÁRIA - BLOCO 1

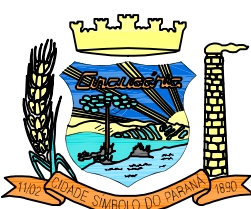
REFERÊNCIA
PROJETO ESTRUTURAL
PILARES - COBERTURA

REQUERENTE
PREFEITURA DO MUNICÍPIO DE ARAUCÁRIA

RESP. TÉCNICO PELO PROJETO

FABIO ALCEU FERNANDES
CREA PR 73.222/D

LOCAL QUADRA LOTE ESCALA DESENHO DATA FOLHA
OLÍMPICO INDICADA OUT/15 05/11



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