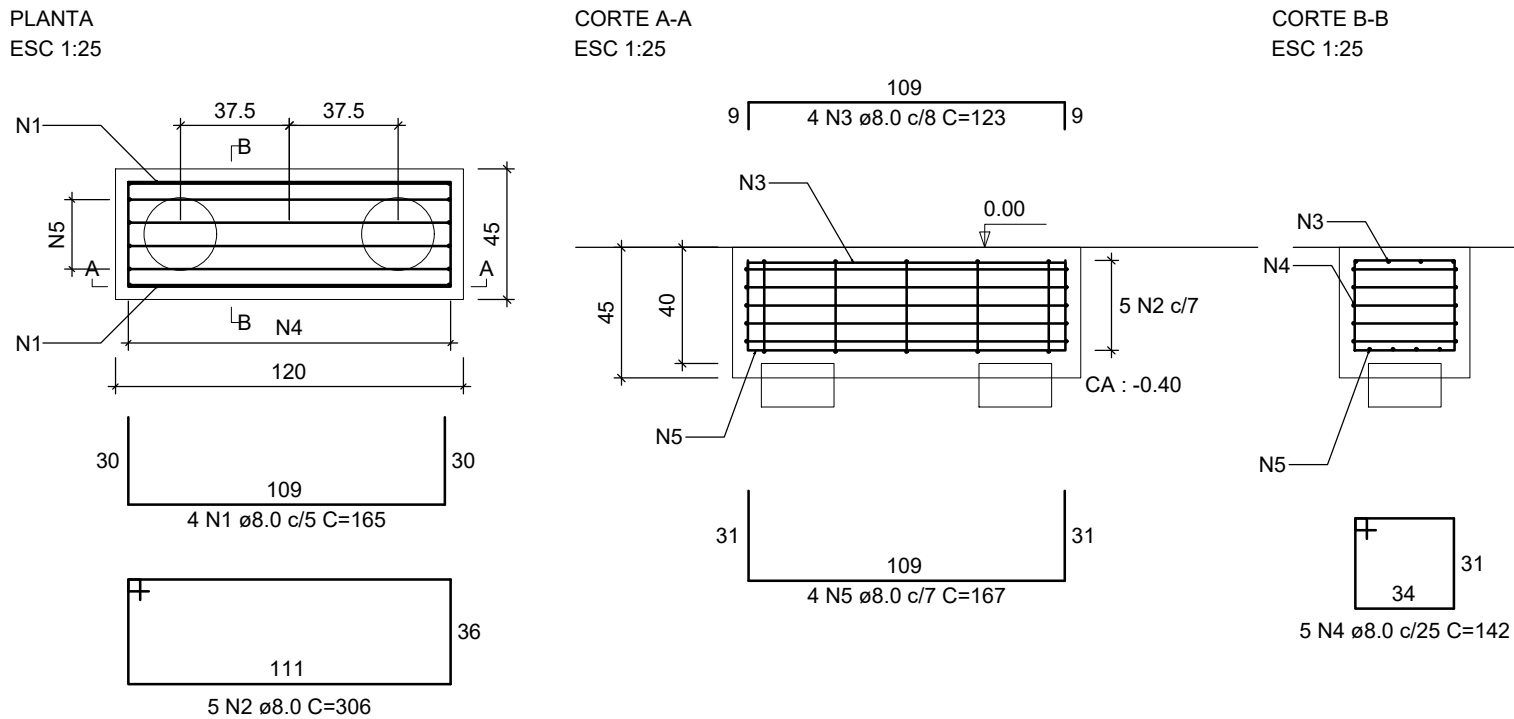
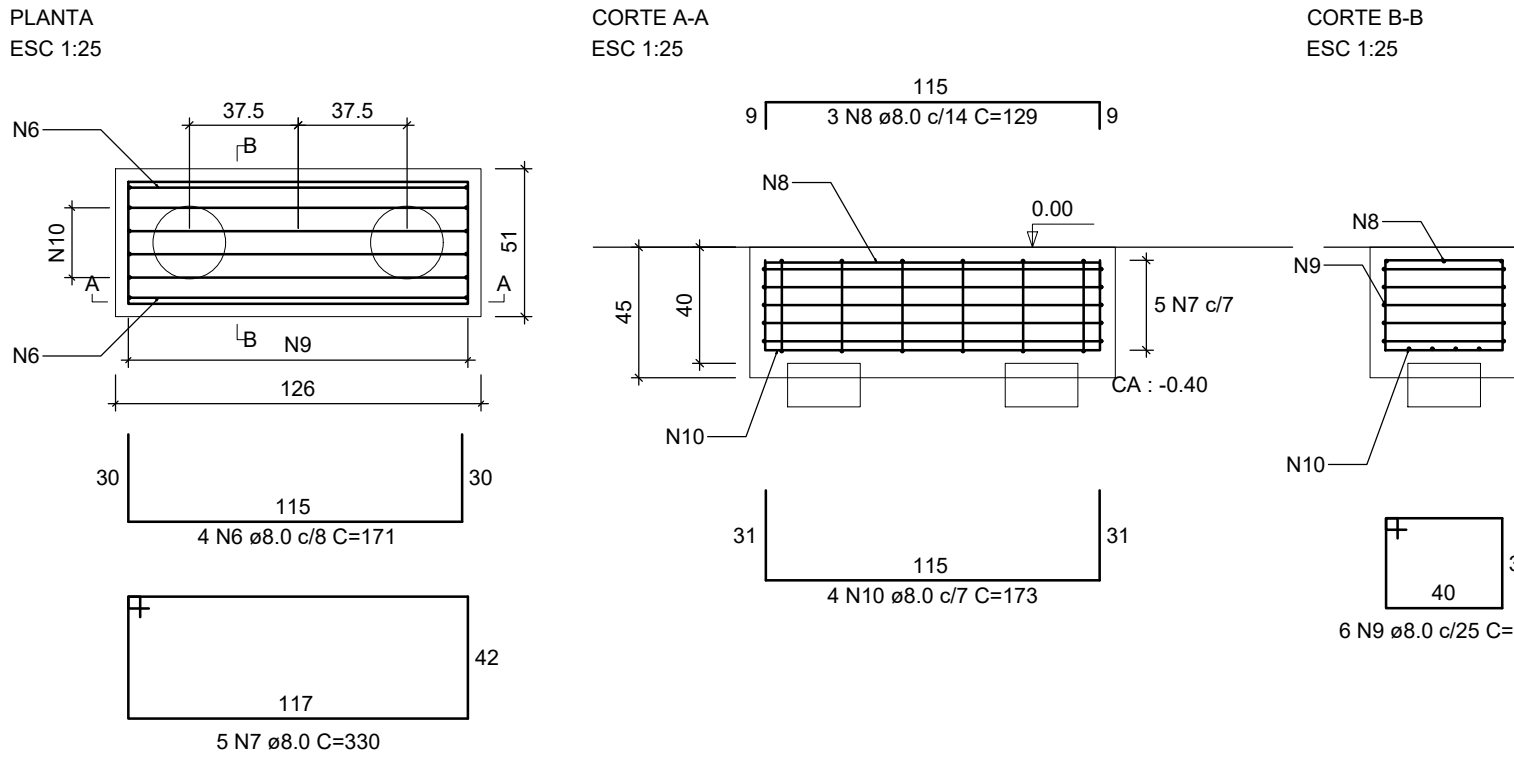


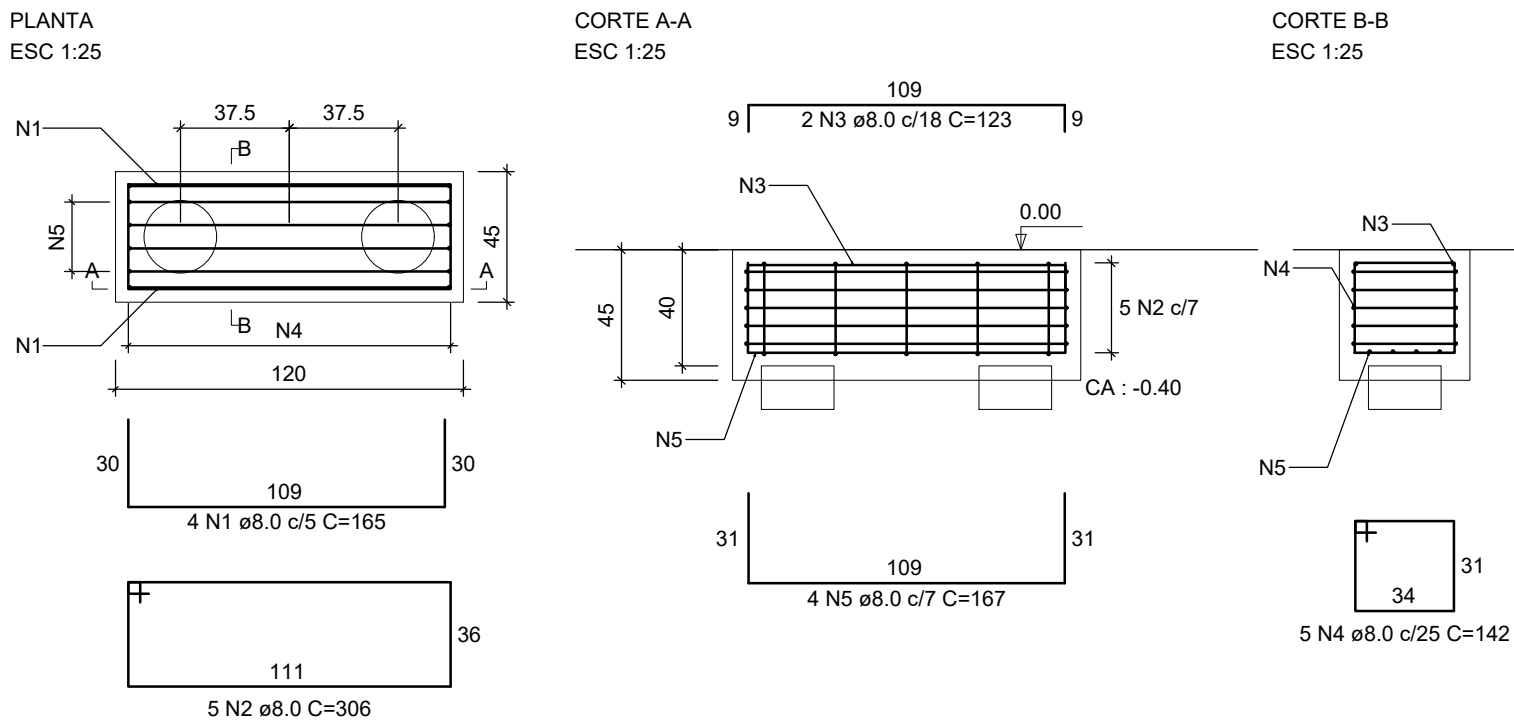
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=BAP36=BAP37=BAP41=BAP42=BAP45=BAP46  
=BAP47=BAP48=BAP49=BAP50=BAP51=BAP52  
=BAP53=BAP56=BAP57=BAP58=BAP59=BAP60  
=BAP61=BAP62=BAP63=BAP64=BAP65=BAP66  
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=BAP83=BAP84=BAP85=BAP86=BAP87=BAP88  
2xC25



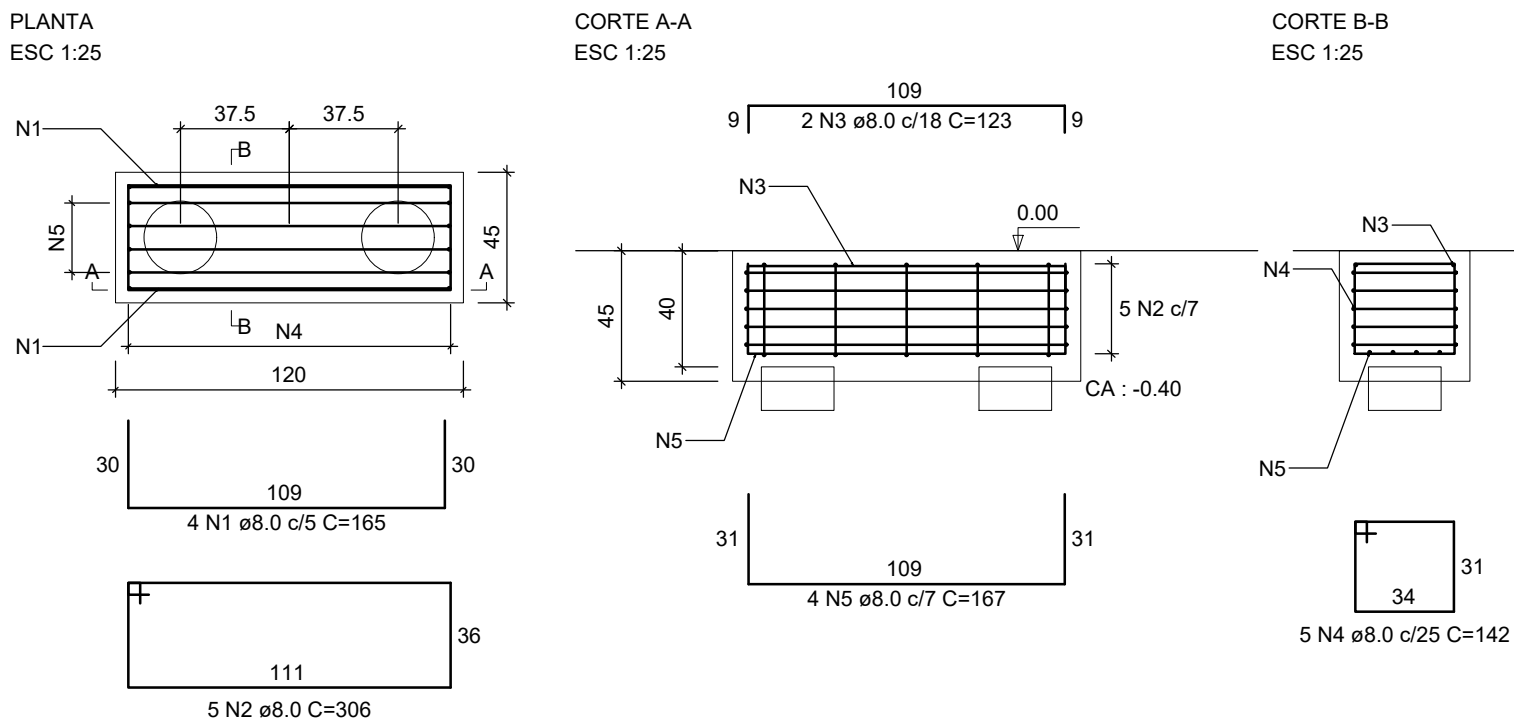
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2xC25



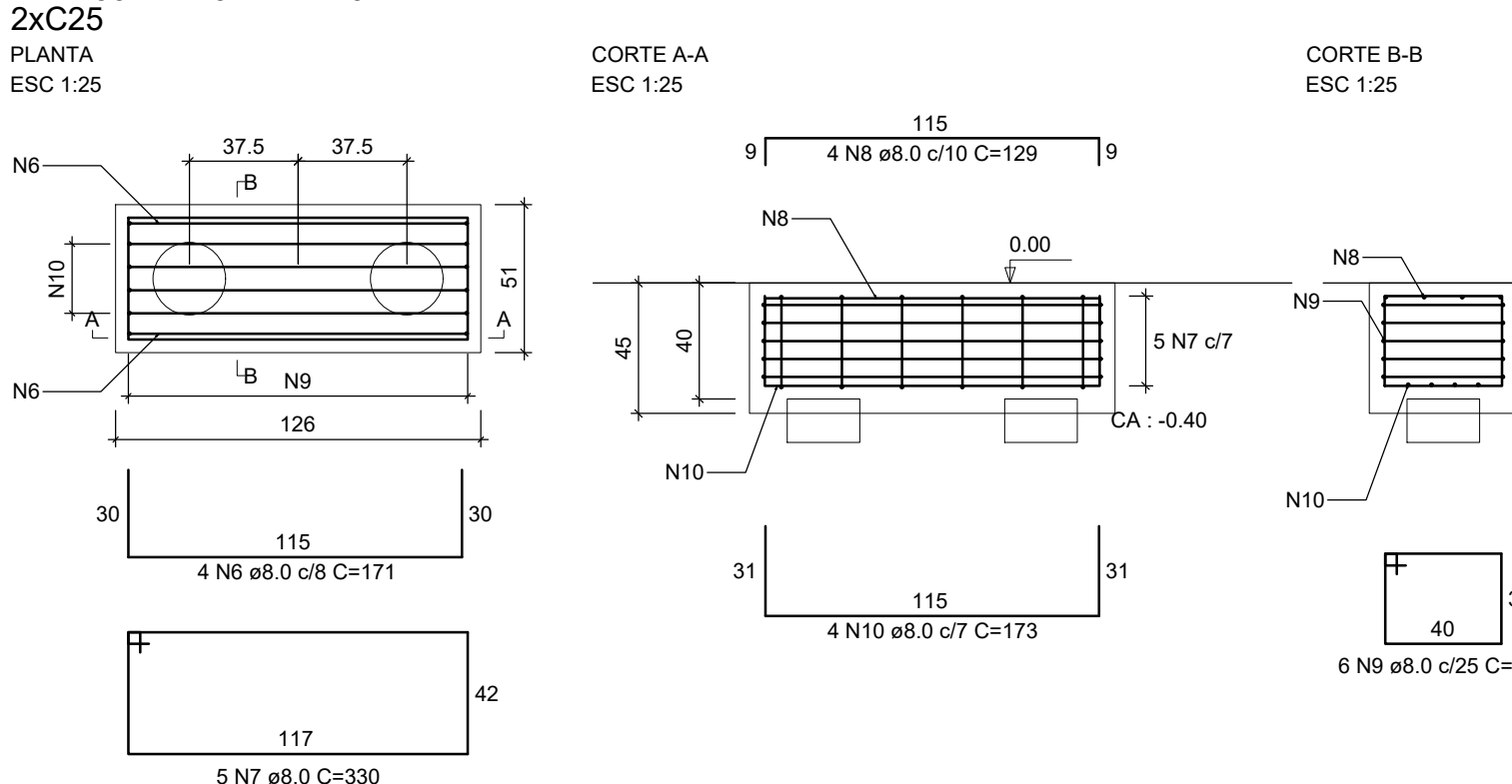
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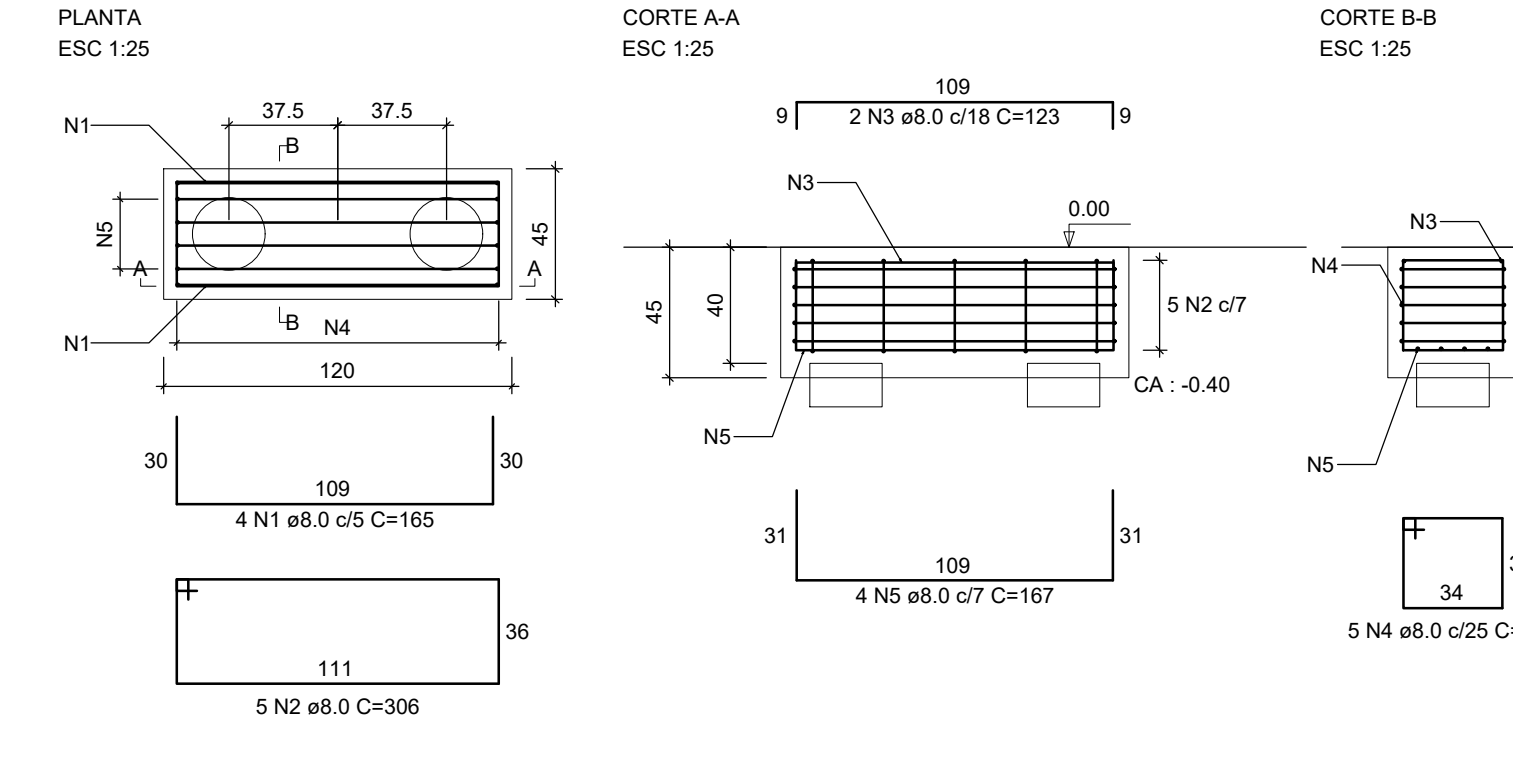
BAP78-AP79  
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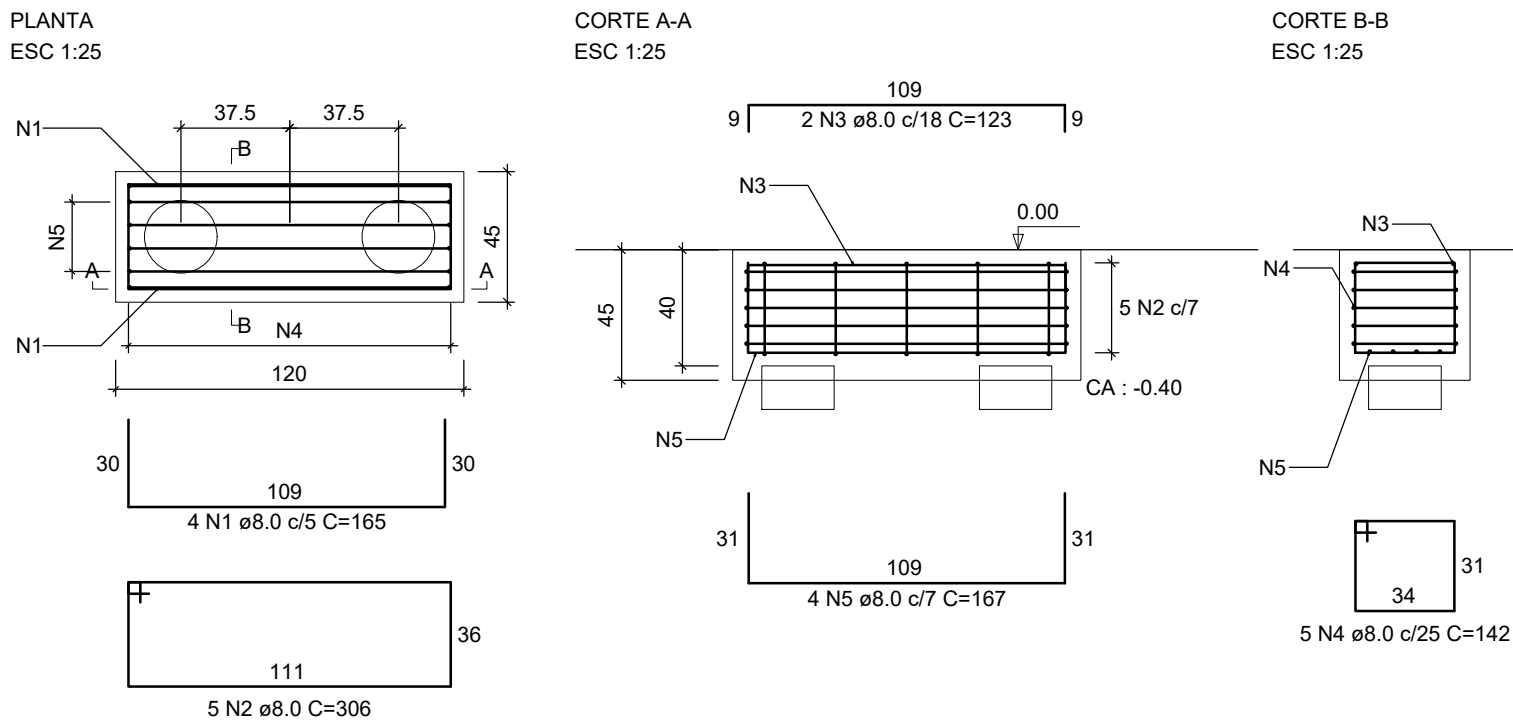
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2xC25



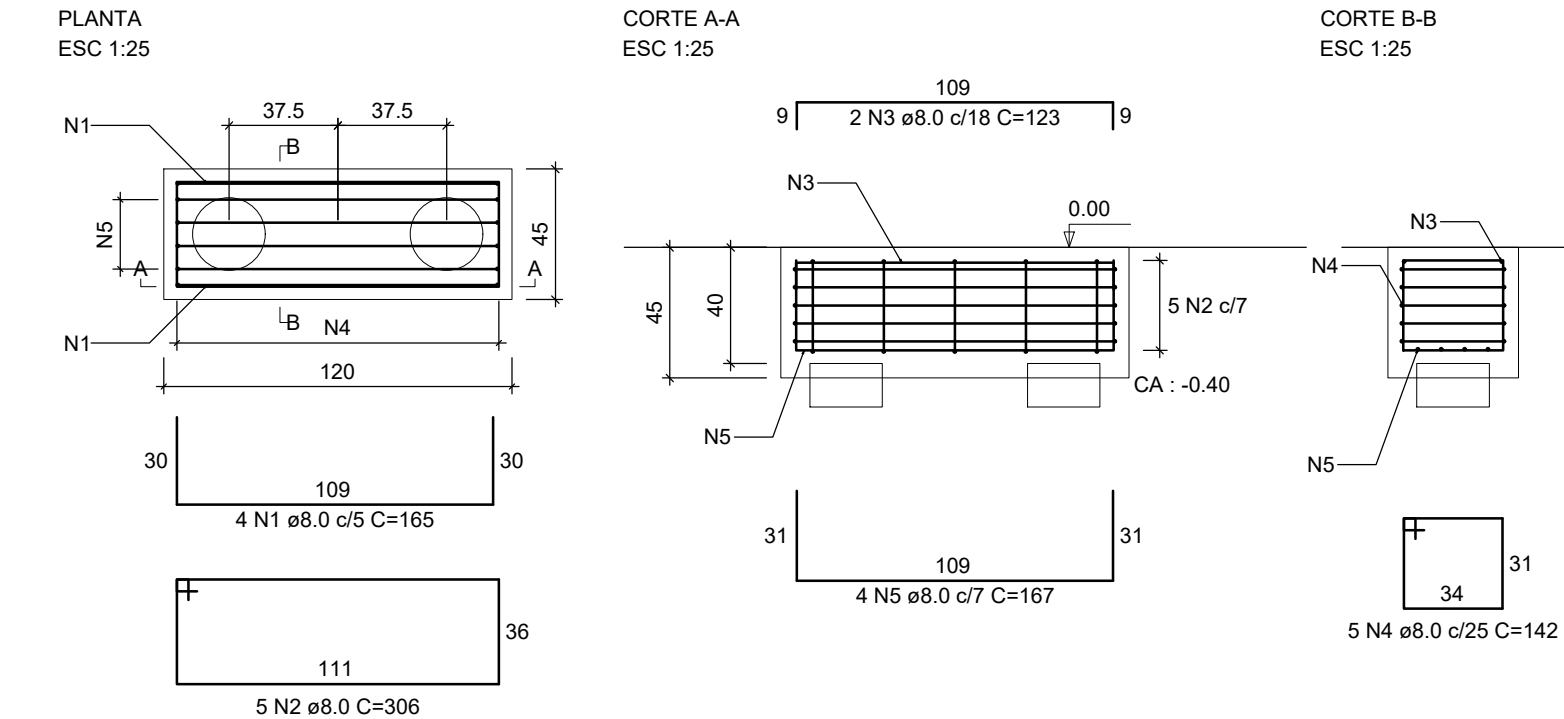
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2xC25



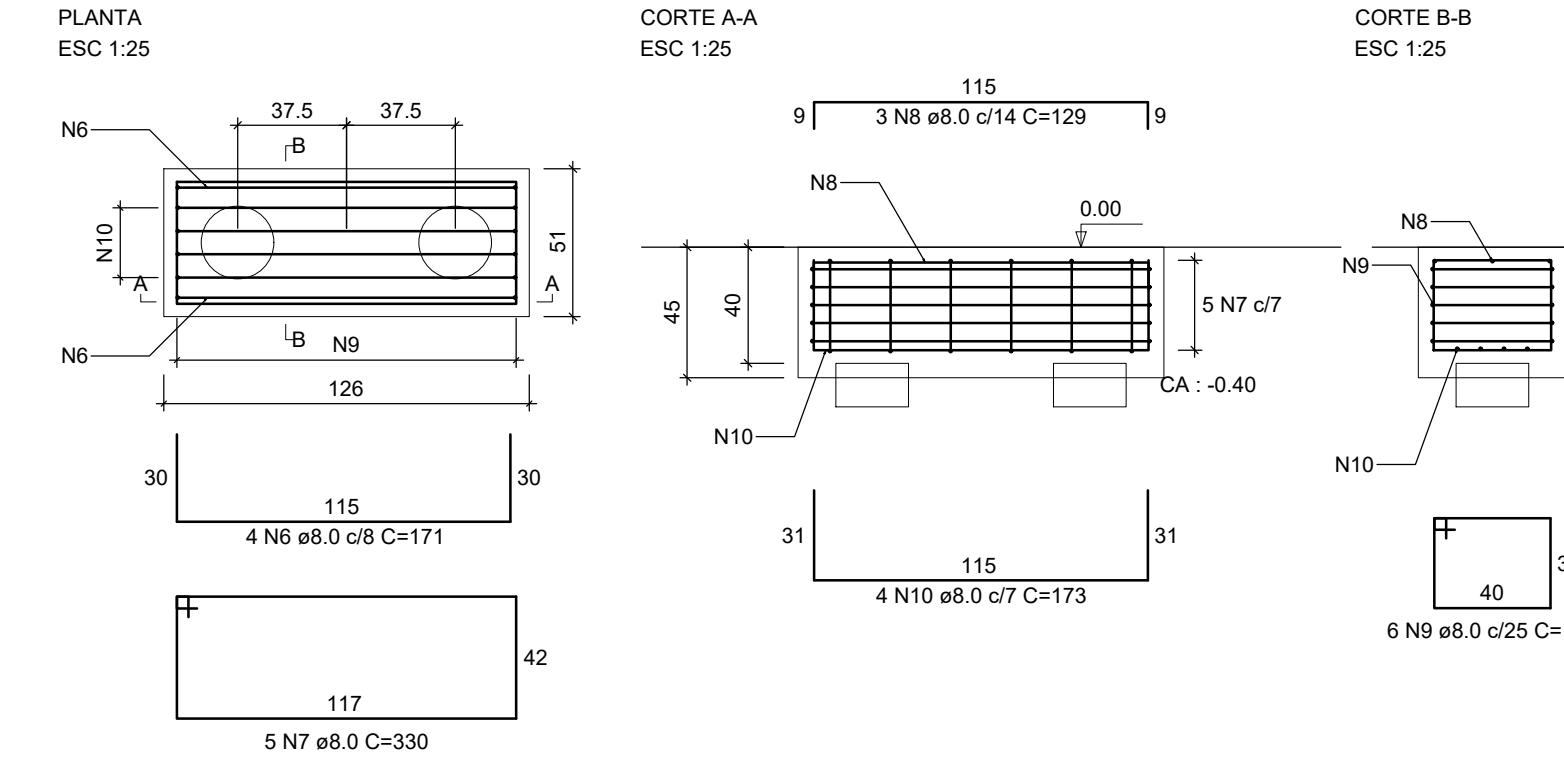
BAP54-AP55  
2xC25



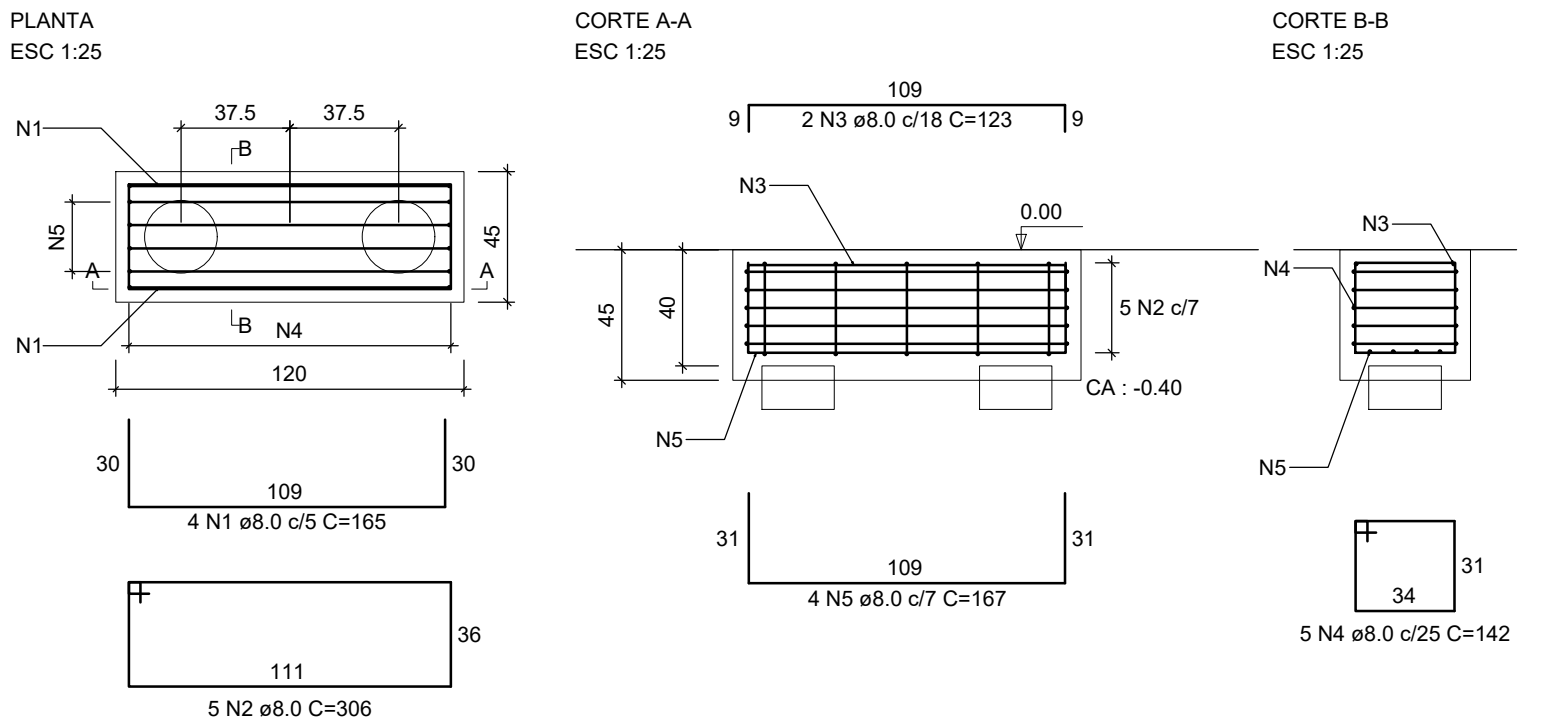
BAP3-AP4  
2xC25



BAP38-AP39  
2xC25



BAP67-AP68  
2xC25



RELAÇÃO DO AÇO

BAP3-AP4  
BAP18-AP19  
BAP43-AP44  
BAP78-AP79

10xBAP40  
BAP23-AP24  
BAP54-AP55

62xBAP88  
BAP38-AP39  
BAP67-AP68

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	8.0	272	165	44880
	2	8.0	340	306	104040
	3	8.0	260	123	31980
	4	8.0	340	142	48280
	5	8.0	272	167	45424
	6	8.0	48	171	8208
	7	8.0	60	330	19800
	8	8.0	46	129	5934
	9	8.0	72	154	11088
	10	8.0	48	173	8304

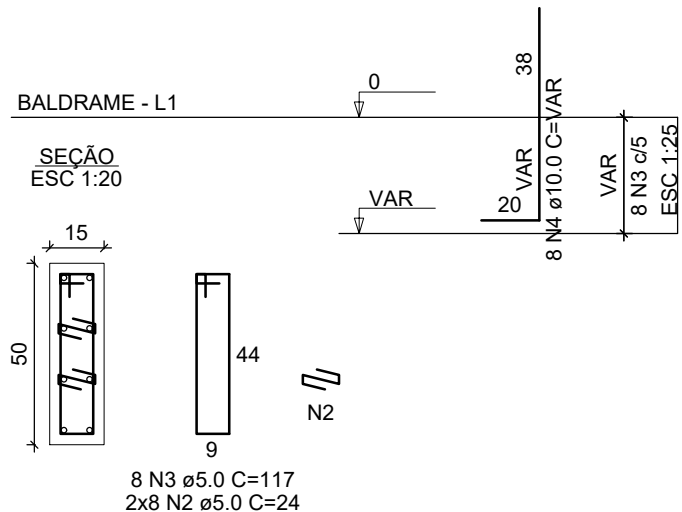
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	3279.4	1423.4
PESO TOTAL (kg)			
CA50	1423.4		

Volume de concreto (C-25) = 19.60 m³  
Área de forma = 120.10 m²

AP1=AP2=AP3=AP4=AP5=AP6=  
=AP7=AP8=AP9=AP10=AP15=  
=AP16=AP17=AP18=AP21=  
=AP22=AP23=AP24=AP25=  
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AP11=AP12=AP13=AP14=AP19=  
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RELAÇÃO DO AÇO

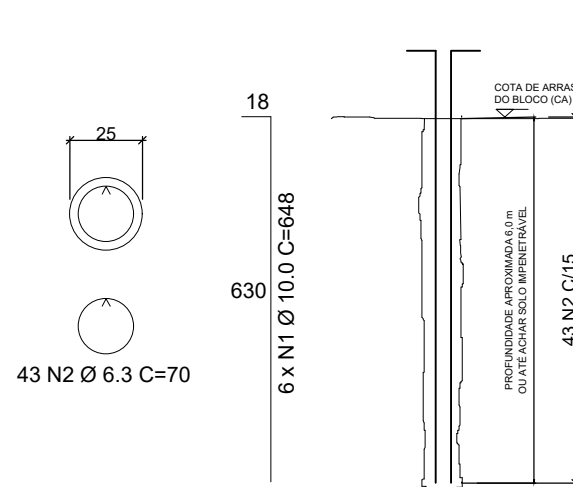
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	608	87	52896
	2	5.0	192	24	4608
	3	5.0	96	117	11232
	4	10.0	704	VAR	VAR

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	647.7	439.3
CA60	5.0	687.4	116.5
PESO TOTAL (kg)			
CA50	439.3		
CA60	116.5		

Volume de concreto (C-25) = 1.96 m³  
Área de forma = 36.64 m²

DETALHE DA ESTACA  
TIPO BROCA Ø 25 cm (ARMADA)  
CAPACIDADE DE CARGA 5.0 tf



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
50	1	10.0	6	648	622080
	2	6.3	43	70	481600

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO+10% (kg)
CA50	6.3	4816	1297.9
CA50	10.0	6220.8	4222.1
PESO TOTAL			
CA50A	5520		

Vol. concreto total = 46.4 m³  
Área de forma total = 00.00 m²  
fck = 25.00 MPa

PROJETO DE REFORÇO ESTRUTURAL



PREFEITURA DE ITARARÉ  
SECRETARIA DE DESENVOLVIMENTO MUNICIPAL

REFORÇO ESTRUTURAL ESC. ADRIANO QUEIROZ PIMENTEL

Rua Ítalo Vincenzi nº 155 - Jardim São Pedro - Itararé - SP

Detalhe das esperas dos pilares e blocos de fundação

PRANCHA  
2/6

DES / CAD  
JBAS

DATA  
DEZ/ 2022