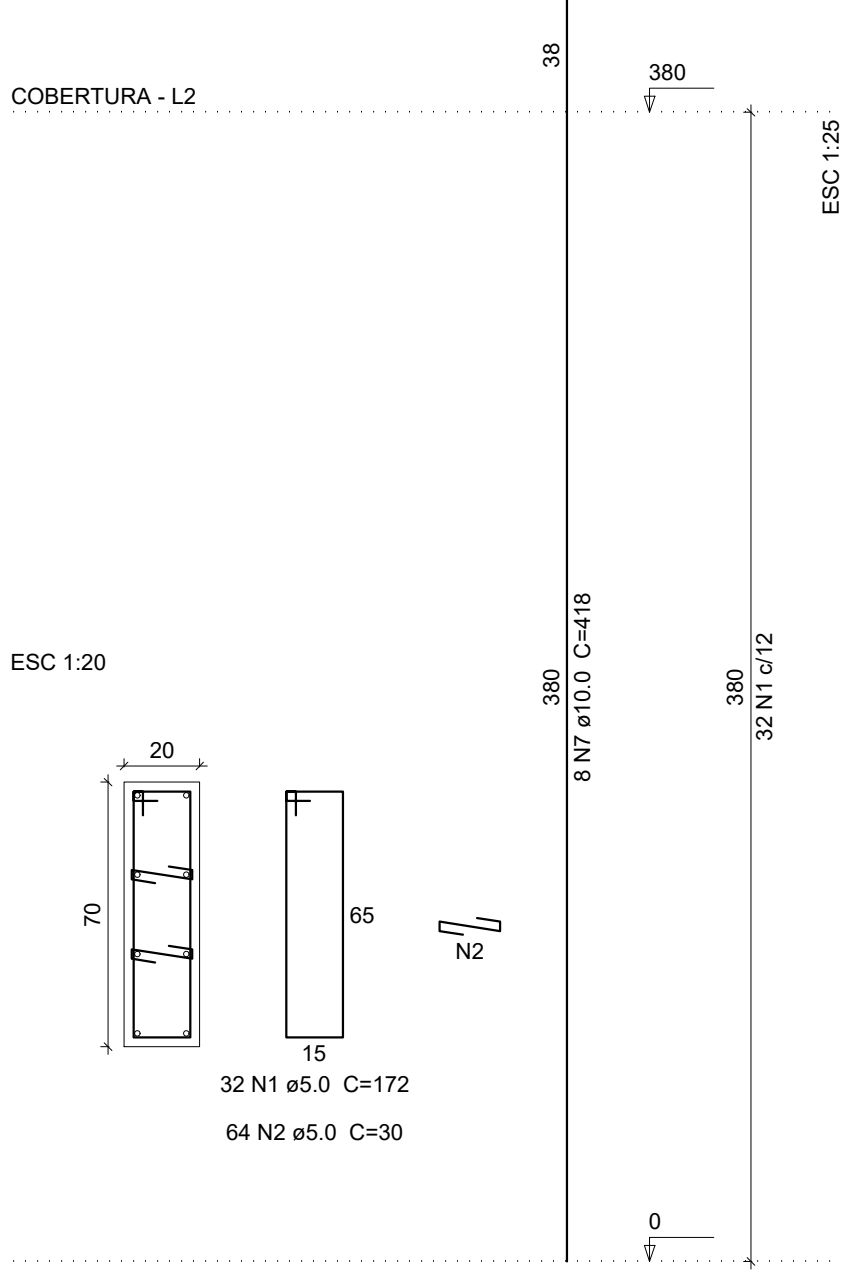
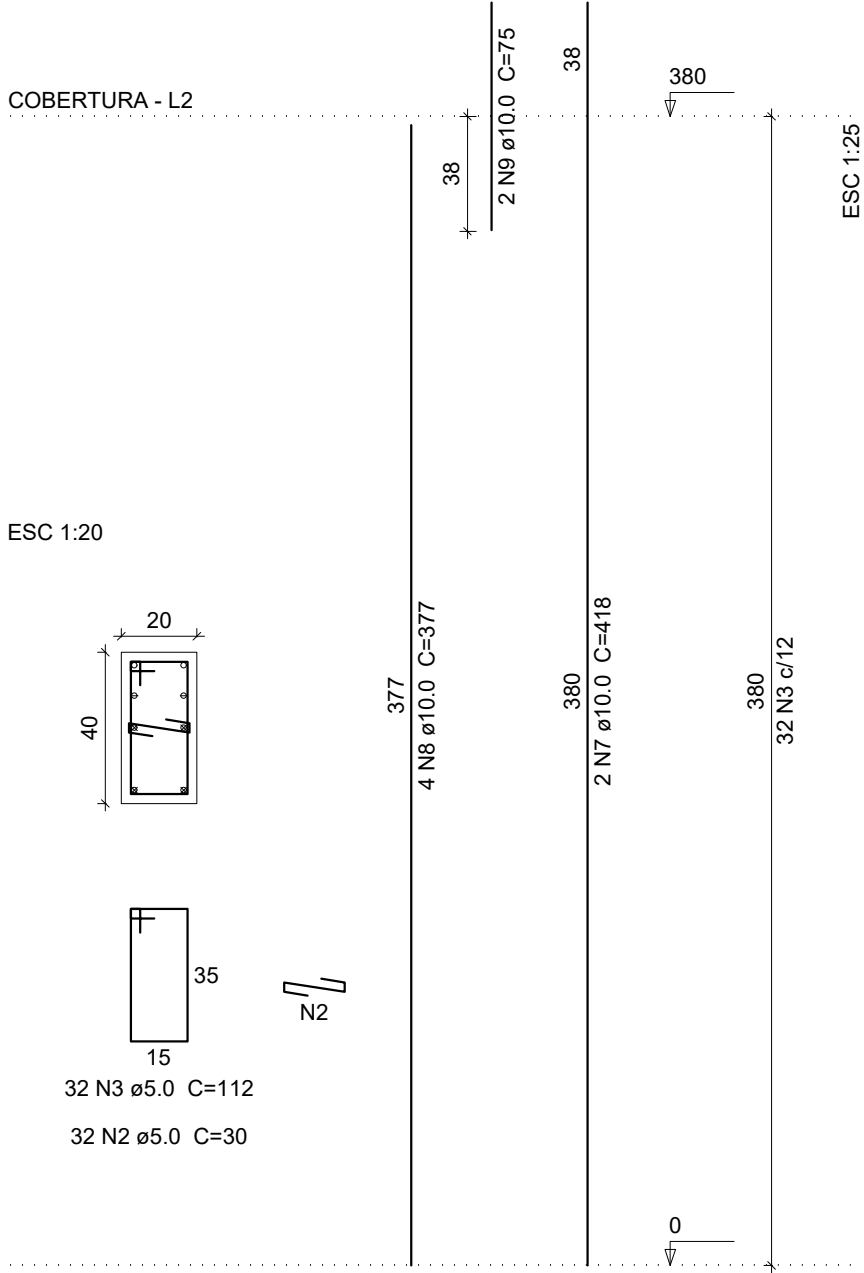


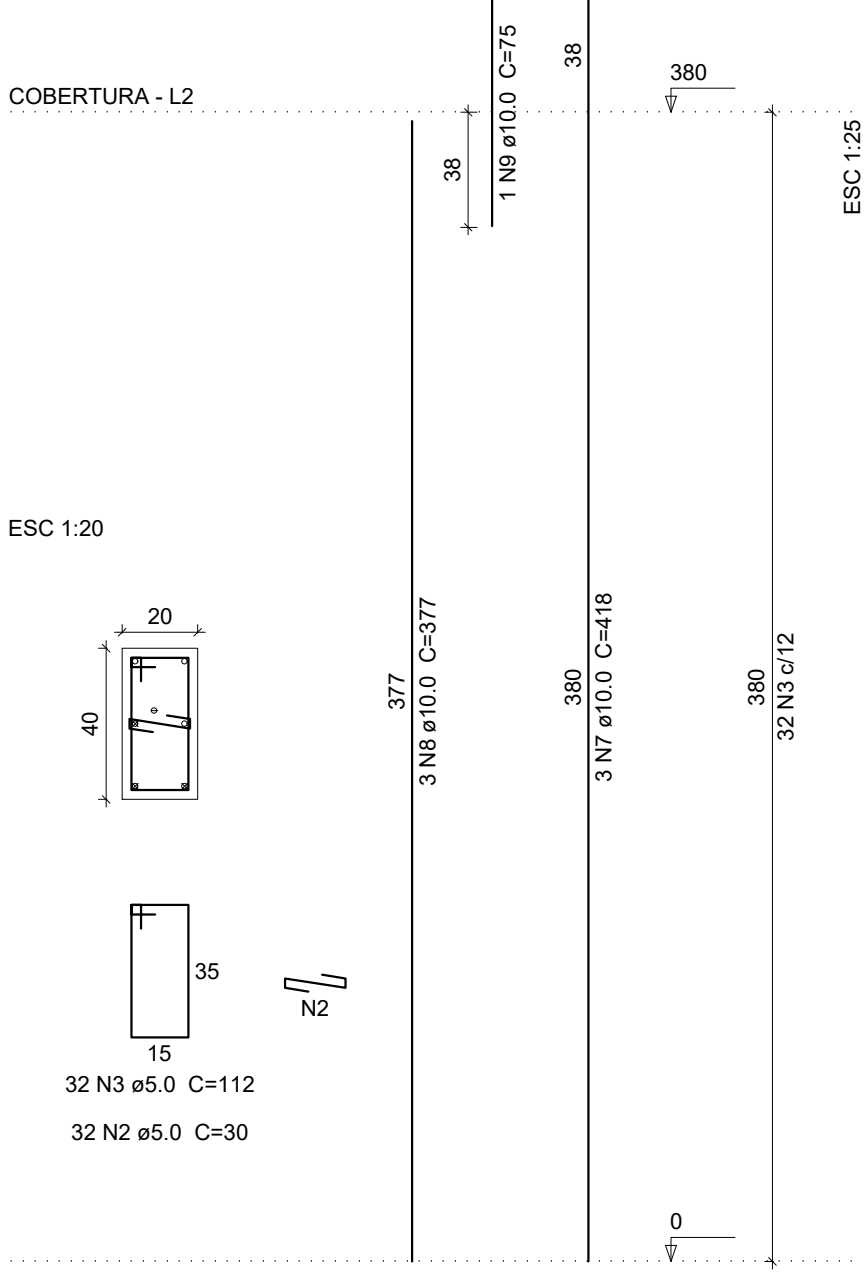
P1=P31



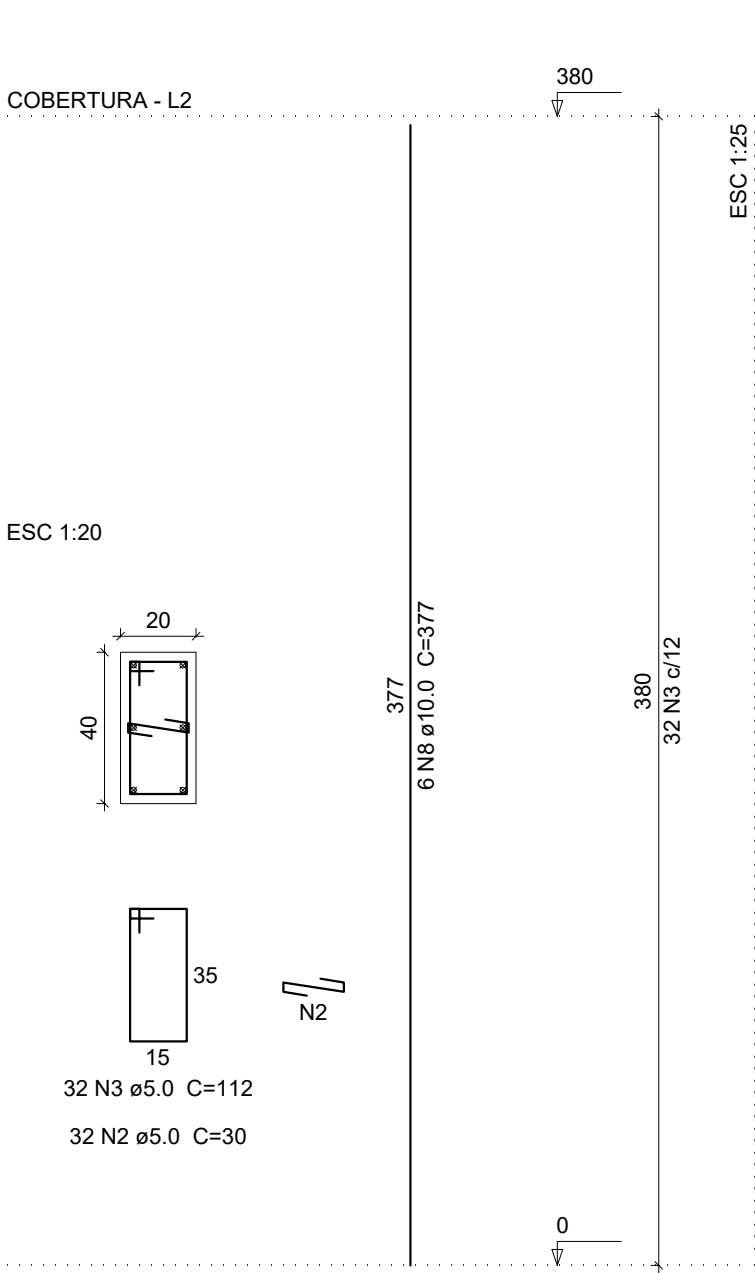
P2=P3=P4=P5=P14=P17=P21=P24=P29=P30=P32
=P35=P36



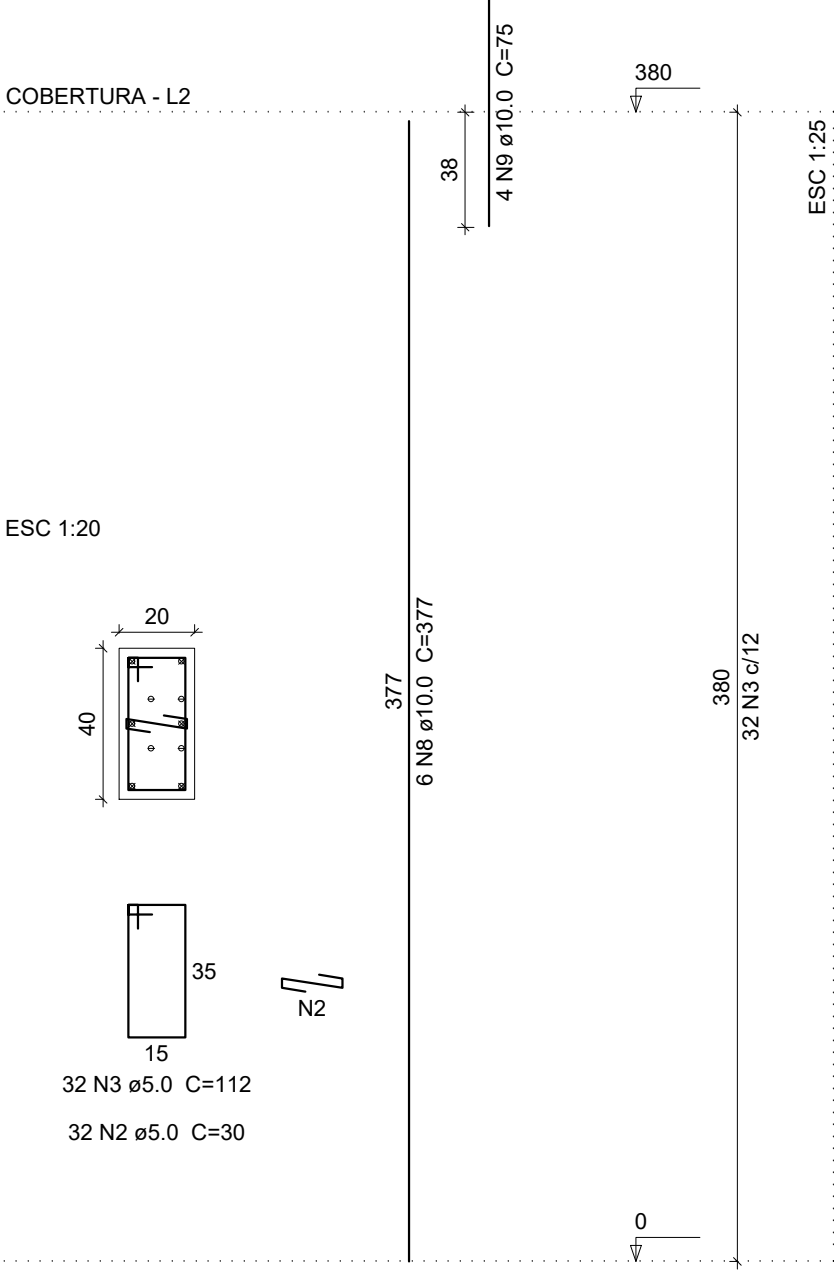
P6



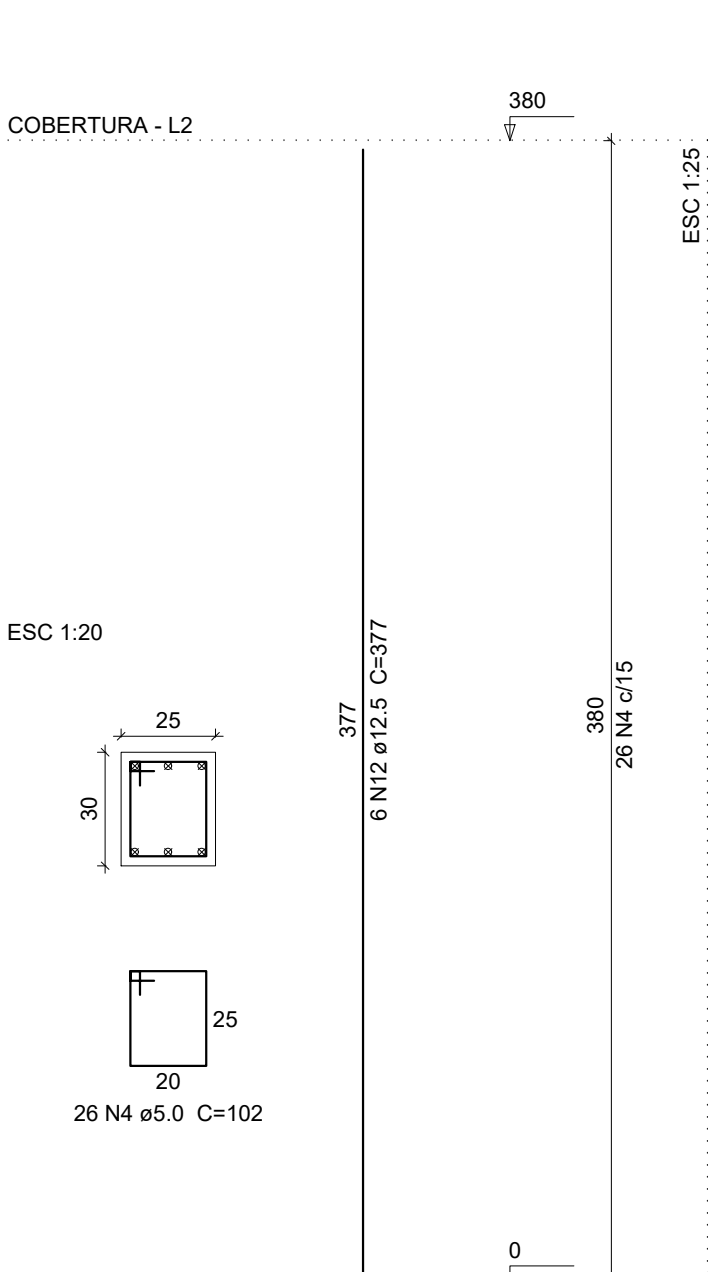
P7=P8=P9=P10=P11=P13=P15=P16=P20=P22
=P23=P25=P26=P27=P28



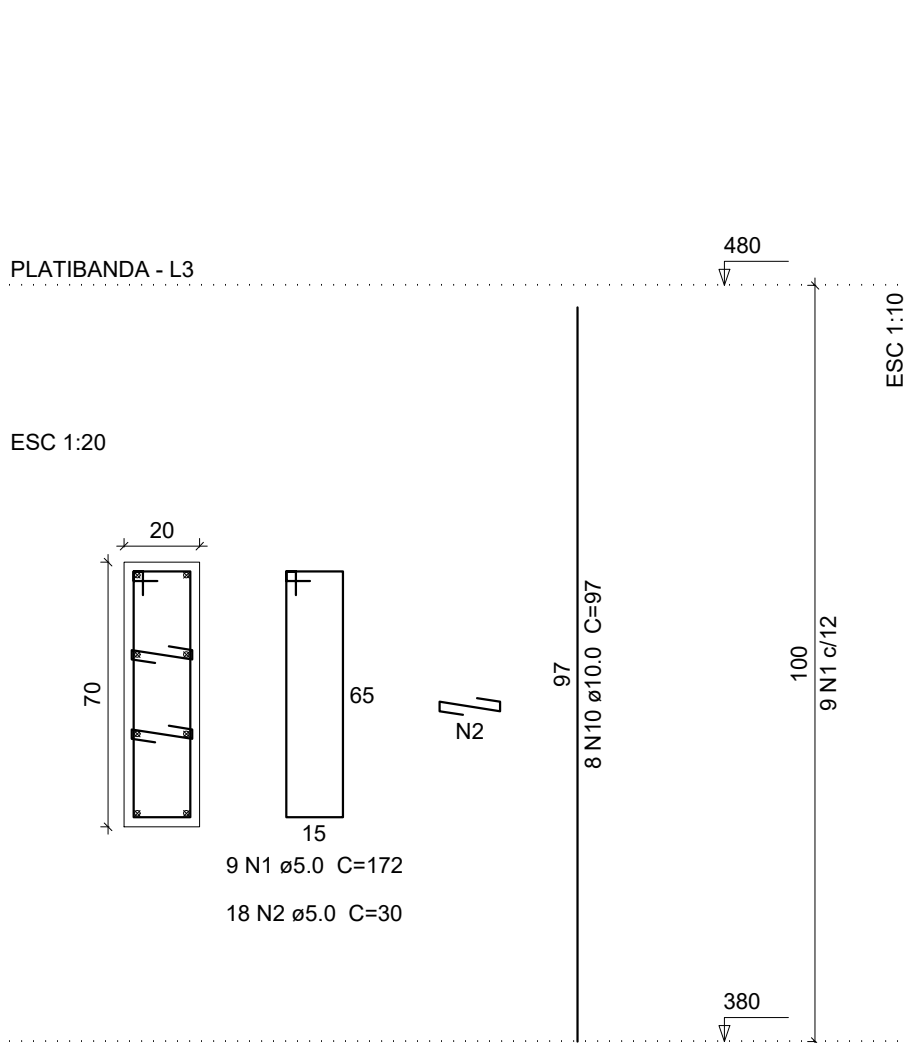
P12=P33=P34



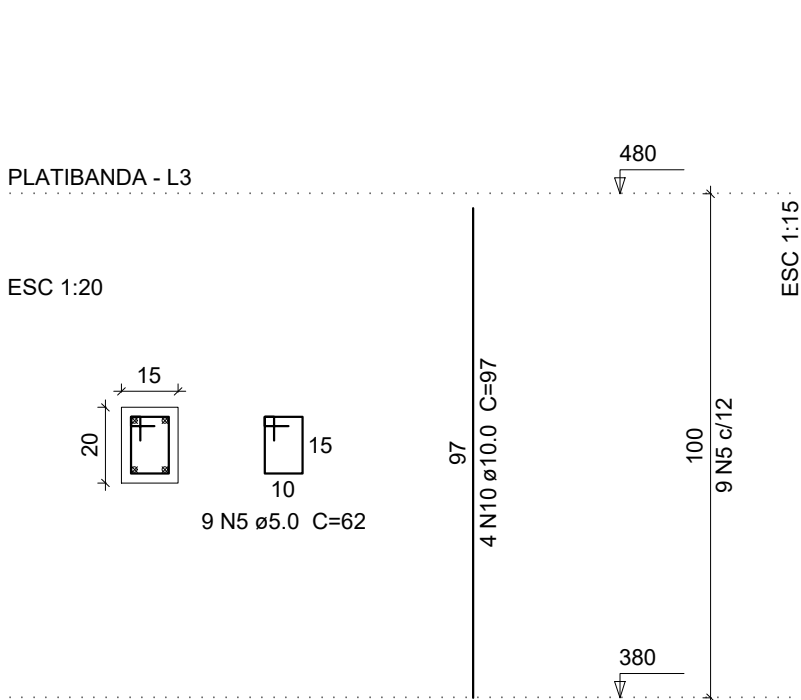
P18=P19



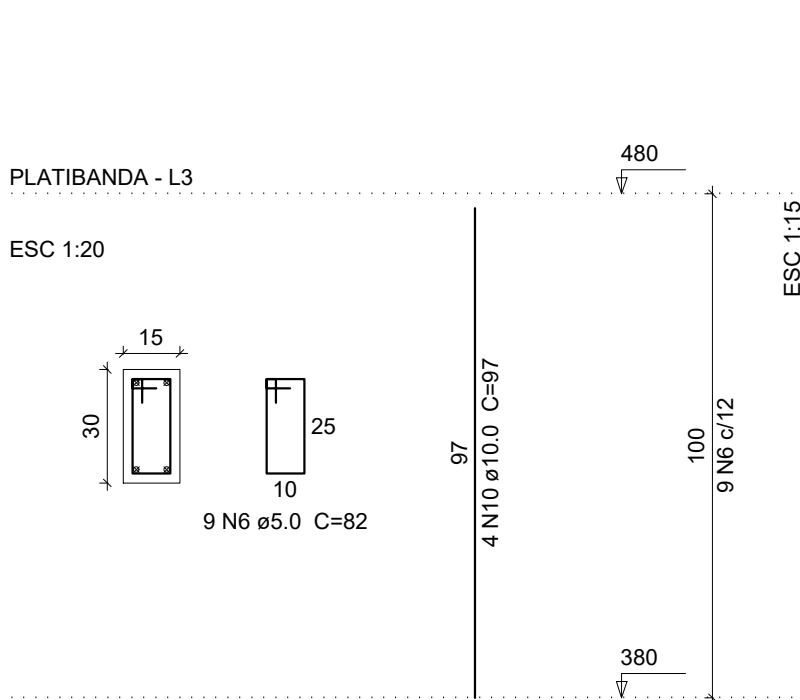
P1=P31



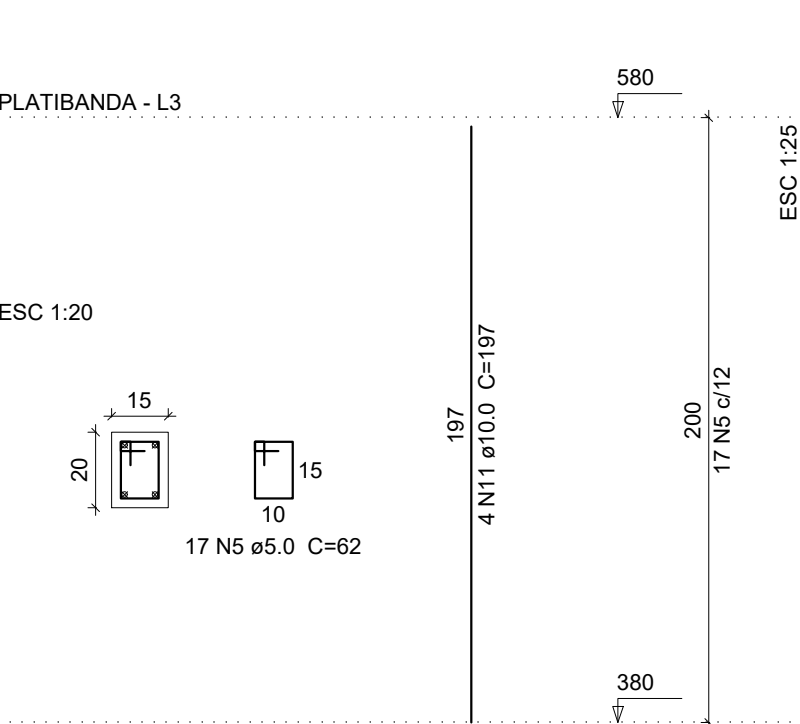
P2=P3=P4=P5=P6=P12=P17=P32=P33=P34



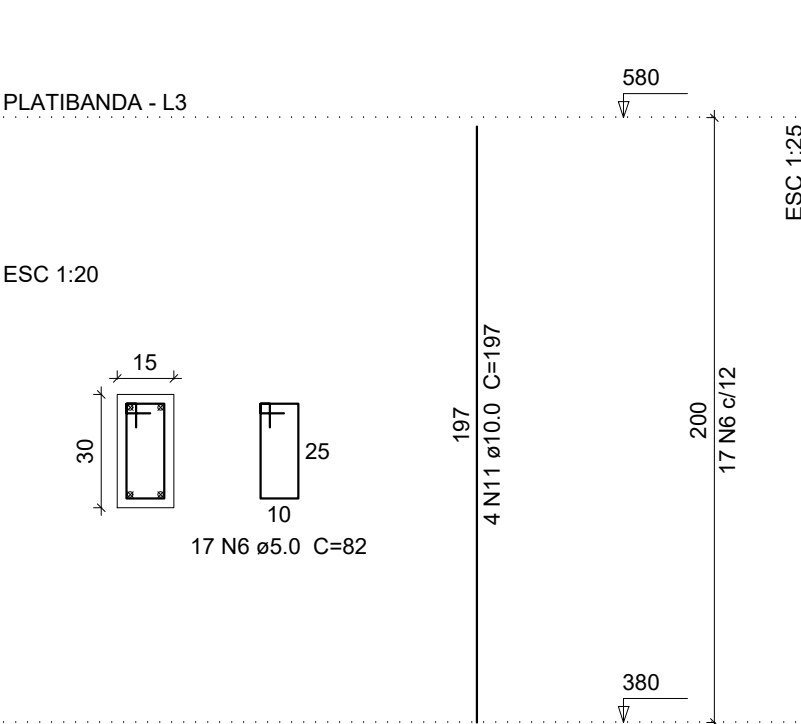
P14=P21



P24



P29=P30=P35=P36



Relação do aço

cobertura:		2xP1	13xP2		
		P6	15xP7		
platibanda:		3xP12	2xP18		
		2xP1	10xP2		
		2xP14	P24		
		4xP29			
AÇO	N	DIAM	Q	UNIT	C.TOTAL (cm)
CA50	1	5.0	82	172	14104
	2	5.0	1188	30	35640
	3	5.0	1024	112	114688
	4	5.0	52	102	5304
	5	5.0	107	62	6634
CA50	6	5.0	86	82	7052
	7	10.0	45	418	18810
	8	10.0	163	377	61451
	9	10.0	39	75	2925
	10	10.0	64	97	6208
	11	10.0	20	197	3940
	12	12.5	12	377	4524

Resumo do aço

AÇO	DIAM	C.TOTAL	PESO + 10 %
CASO	10.0	933.4	633
CASO	12.5	45.3	47.9
CASO	5.0	1534.3	311
PESO TOTAL			
CASO	680.9		
CASO	311		

Vol. de concreto total (C-30) = 12.45 m³
Área de forma total = 188.96 m²