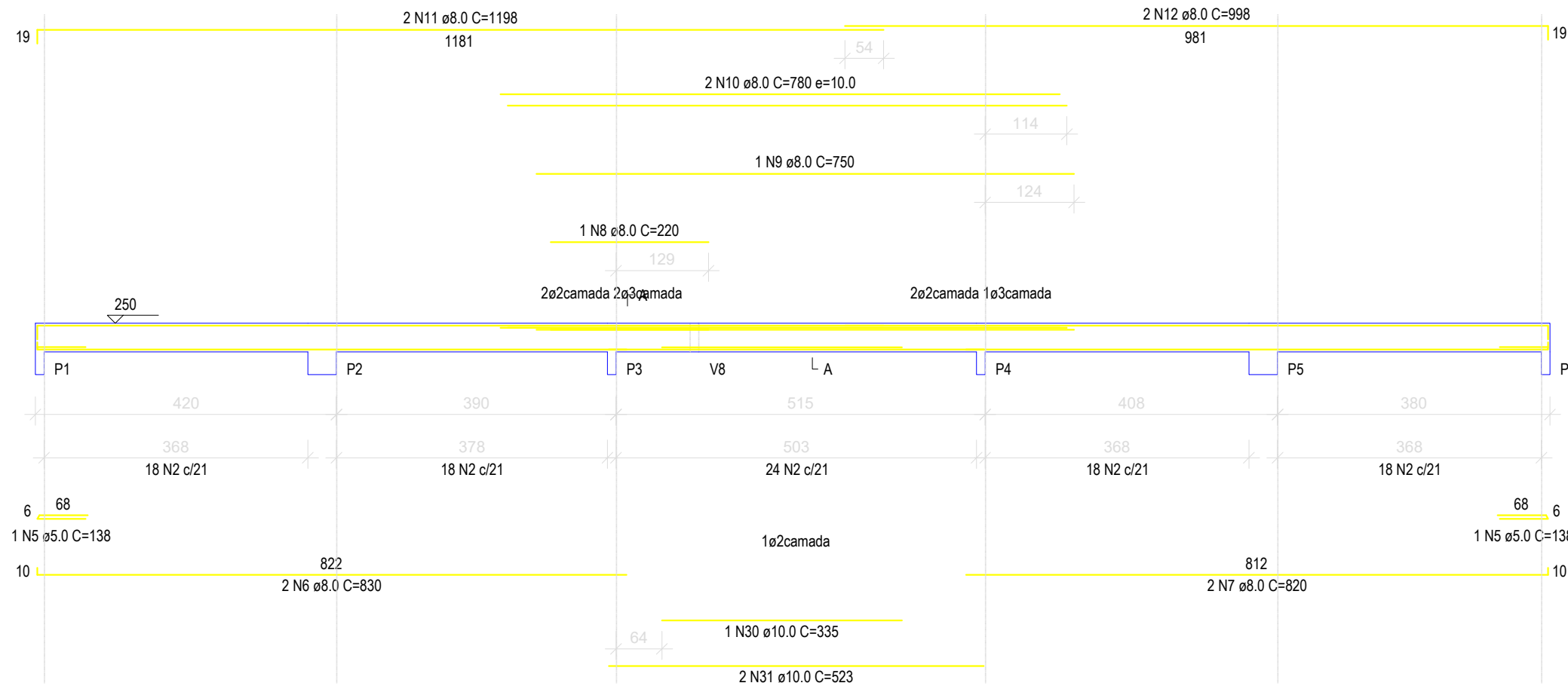


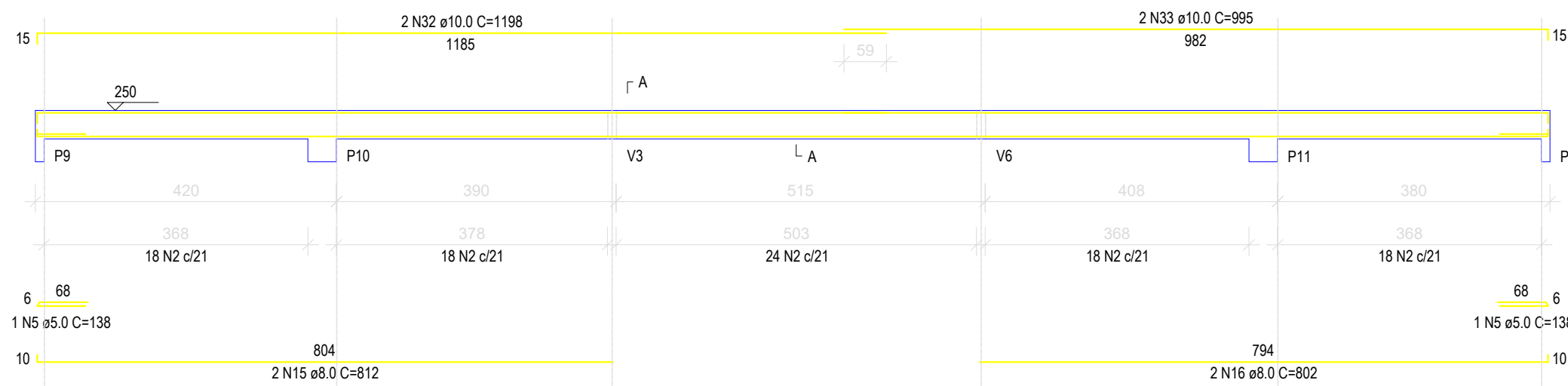
V1 (12 x 40)

ESC 1:75



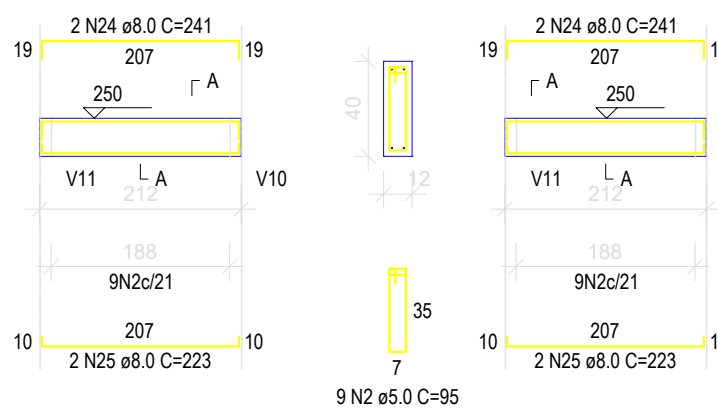
V5 (12 x 40)

ESC 1:75



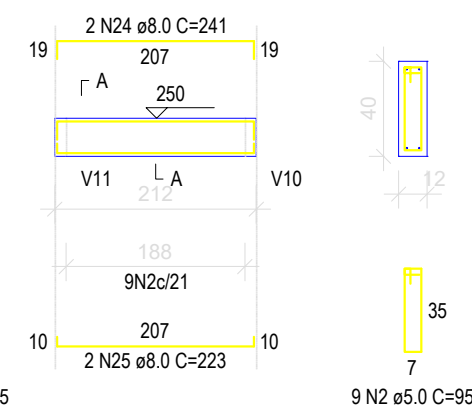
V16 (12 x 40)

ESC 1:75



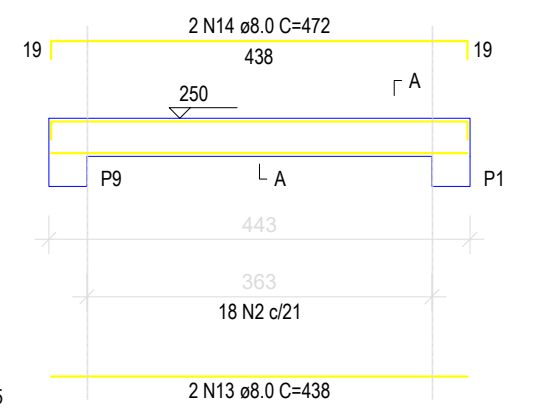
V17 (12 x 40)

ESC 1:75



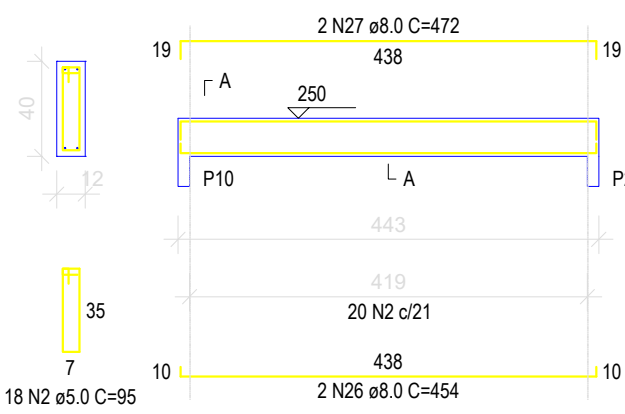
V18 (12 x 40)

ESC 1:75



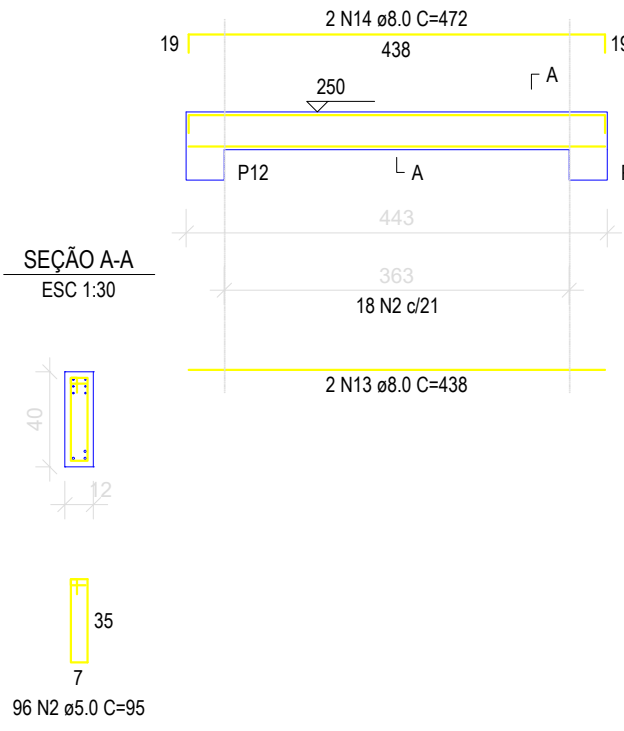
V19 (12 x 40)

ESC 1:75



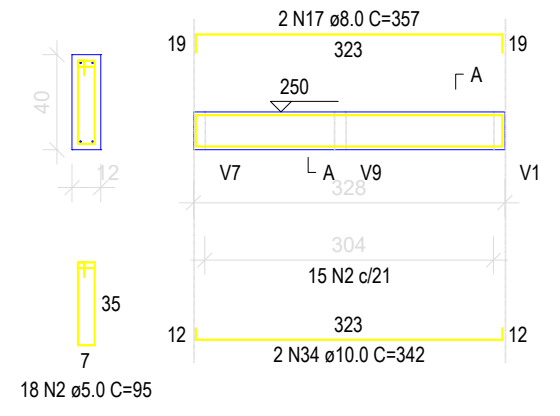
V4 (12 x 40)

ESC 1:75



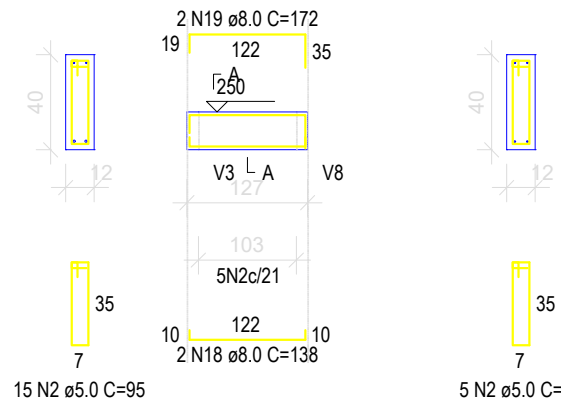
V8 (12 x 40)

ESC 1:75



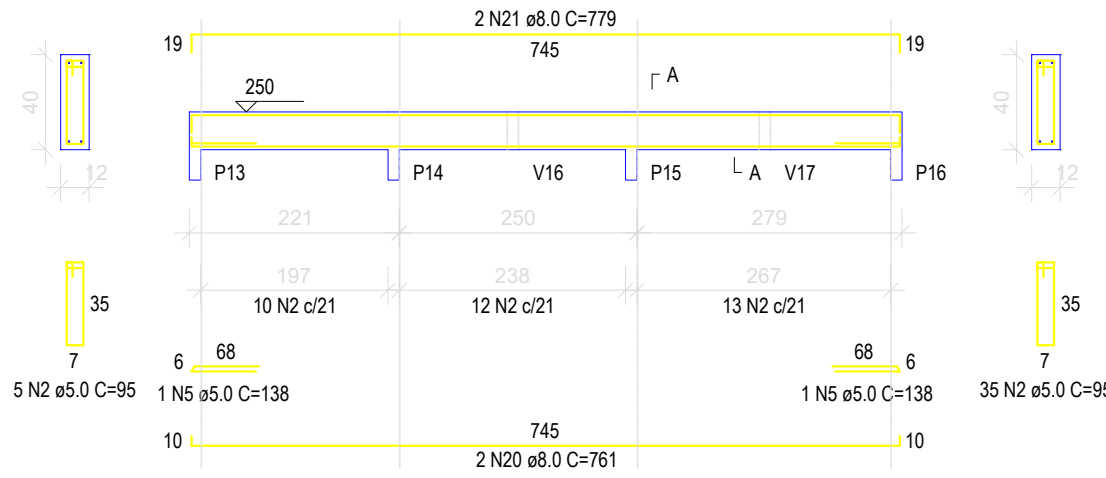
V9 (12 x 40)

ESC 1:75



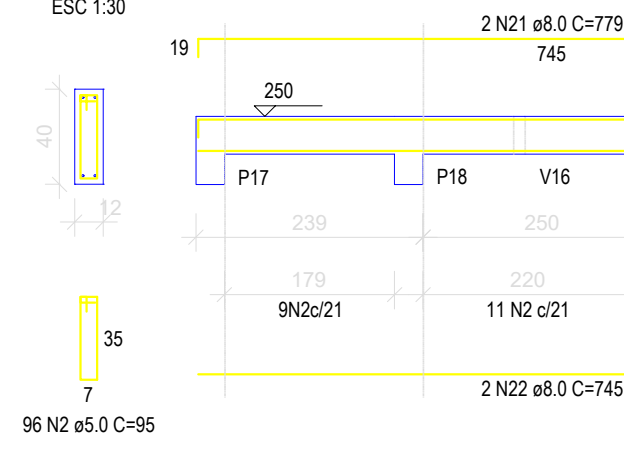
V10 (12 x 40)

ESC 1:75



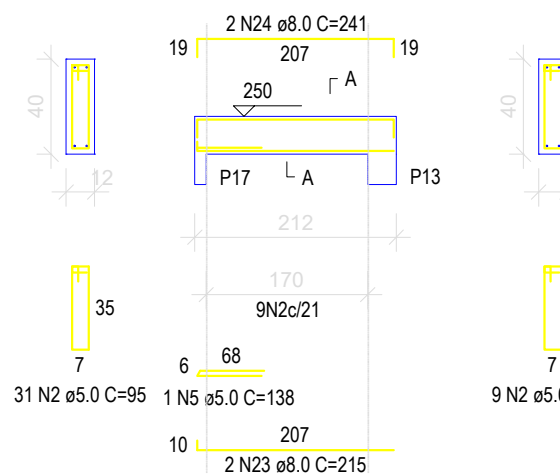
V11 (12 x 40)

ESC 1:75



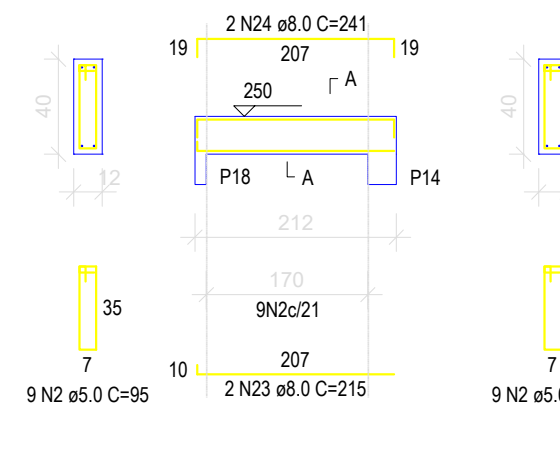
V12 (12 x 40)

ESC 1:75



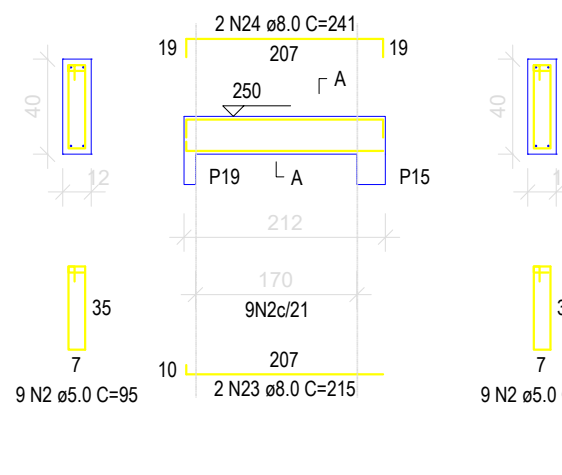
V13 (12 x 40)

ESC 1:75



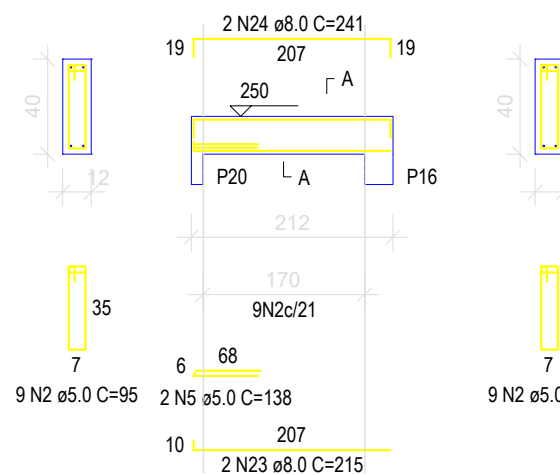
V14 (12 x 40)

ESC 1:75



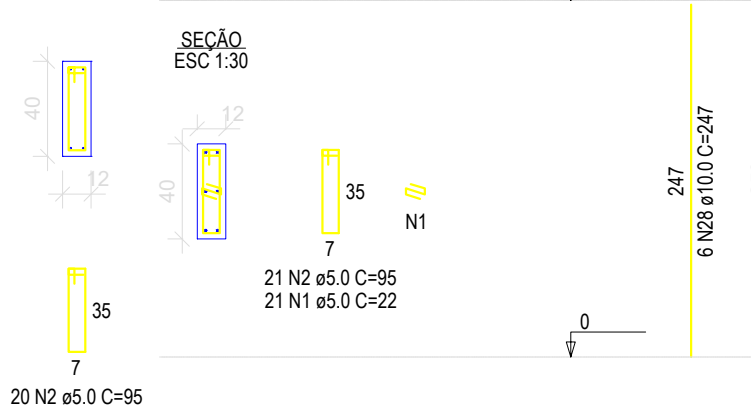
V15 (12 x 40)

ESC 1:75



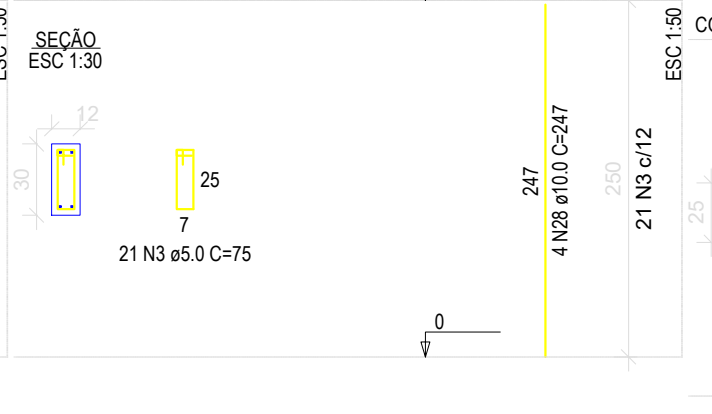
P1=P2=P3=P4=P6=P9=P10=P12

ESC 1:30



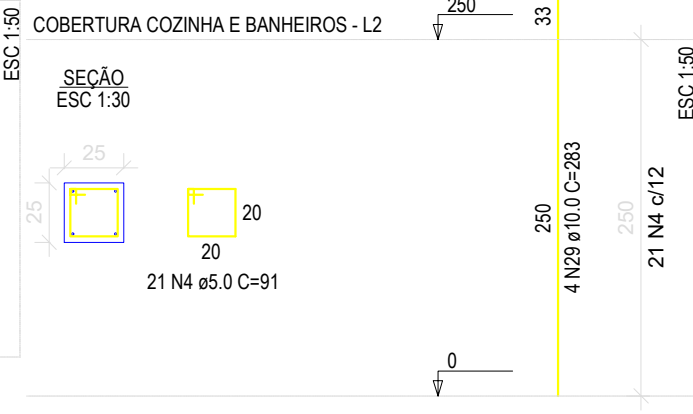
P13=P14=P15=P16=P17=P18=P19=P20

ESC 1:30



P21=P22=P23=P24=P25=P26=P27=P28=P29=P30

ESC 1:30



RELAÇÃO DO AÇO

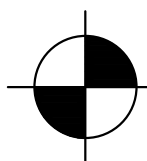
5xP1	5xP13	10xP21
V1	V5	V5
V8	V9	V10
V11	V12	V13
V14	V15	V16
V17	V18	V19

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	168	22	3696
	2	5.0	356	95	52820
	3	5.0	169	75	12600
	4	5.0	210	91	19110
CA50	5	5.0	9	138	1242
	6	8.0	2	830	1660
	7	8.0	2	820	1640
	8	8.0	1	220	220
	9	8.0	1	750	750
	10	8.0	2	780	1560
	11	8.0	2	1198	2396
	12	8.0	2	998	1996
	13	8.0	4	438	1752
	14	8.0	4	472	1888
	15	8.0	2	812	1624
	16	8.0	2	802	1604
CA20	17	8.0	2	357	714
	18	8.0	2	138	276
	19	8.0	2	172	344
	20	8.0	2	781	1562
	21	8.0	4	779	3116
	22	8.0	2	745	1490
	23	8.0	8	215	1720
	24	8.0	12	241	2892
	25	8.0	4	223	892
	26	8.0	2	454	908
	27	8.0	2	472	944
	28	10.0	80	247	19760
	29	10.0	40	283	11320
	30	10.0	1	335	335
CA10	31	10.0	4	523	2092
	32	10.0	2	1198	2396
	33	10.0	2	995	1990
	34	10.0	2	342	684

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	319.1	138.5
CA60	10.0	385.9	281.6
CA10	5.0	894.7	151.7
PESO TOTAL (kg)			
CA50		400.1	
CA60		151.7	

Volume de concreto (C-30) = 7.46 m³
Área de forma = 143.39 m²



Planta Baixa - Projeto Estrutural
Escala: 1/100

Prefeitura Municipal de Tijucas



PREFEITURA MUNICIPAL DE TIJUCAS
SECRETARIA DE OBRAS

AMPLIAÇÃO ESCOLA BRILHO DO SOL
RUA ESTEVÃO CAETANO RITA, BAIRRO JOAIA, TIJUCAS - SC.

Projeto Estrutural

Juelmir

08/09/2020

Indicada

0608