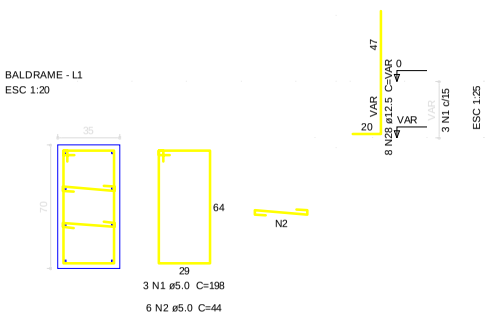
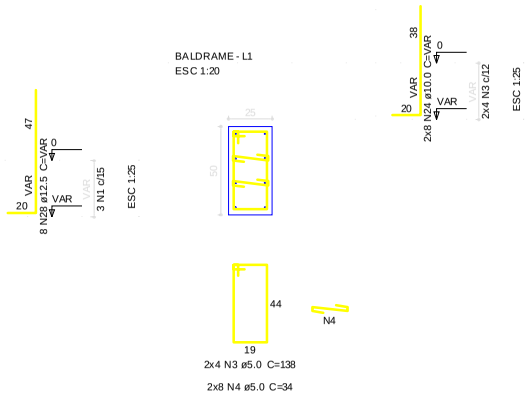
P16

BALDRAME - L1
ESC 1:20



P45=P50

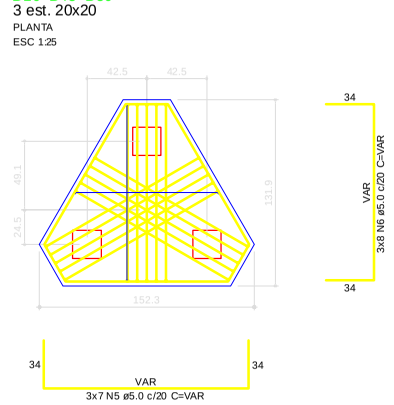
BALDRAME - L1
ESC 1:20



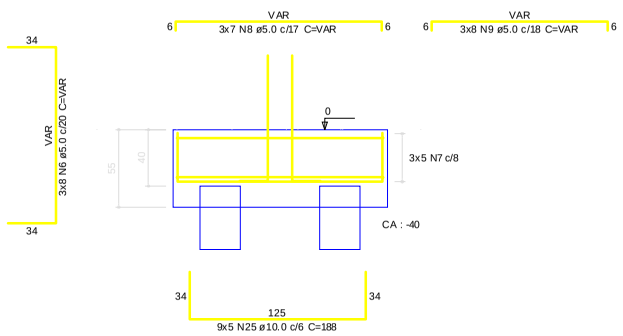
B16=B45=B50

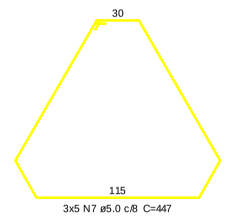
3 est. 20x20

PLANTA
ESC 1:25



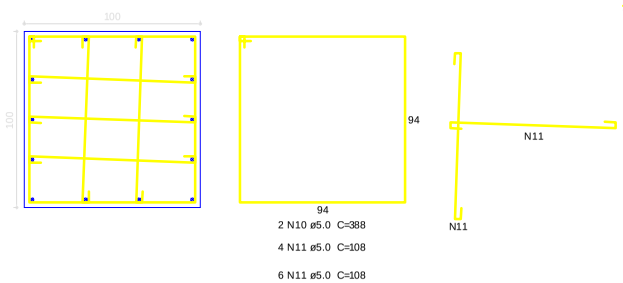
CORTE
ESC 1:25





P60

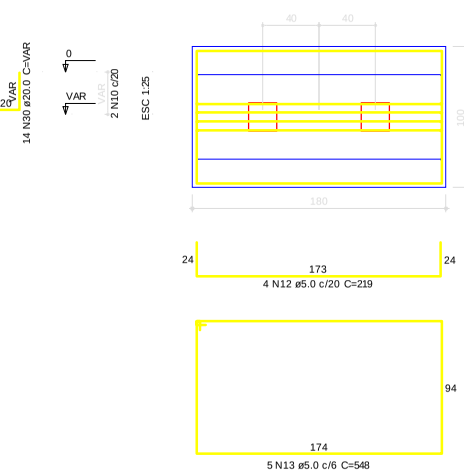
BALDRAME - L1
ESC 1:20



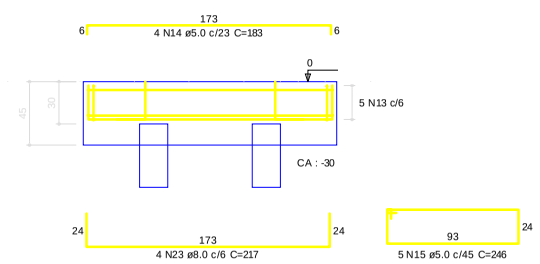
B60

2 est. 20x20

PLANTA
ESC 1:25

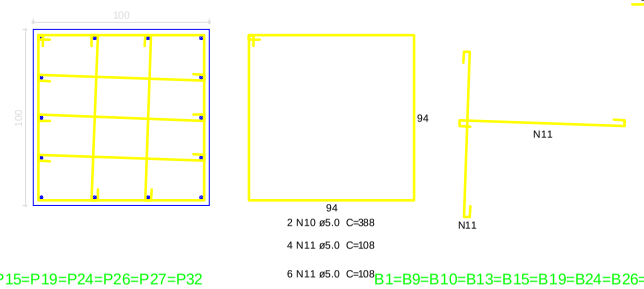


CORTE
ESC 1:25



P61

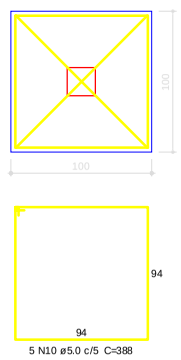
BALDRAME - L1
ESC 1:20



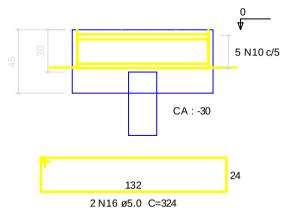
B61

1 est. 20x20

PLANTA
ESC 1:25

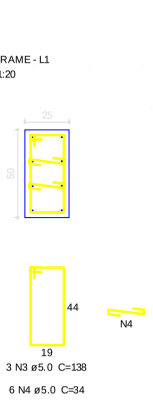


CORTE
ESC 1:25



P18=P31=P39=P43=P44=P51=P53=P54=P55=P56

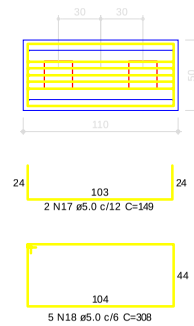
BALDRAME - L1
ESC 1:20



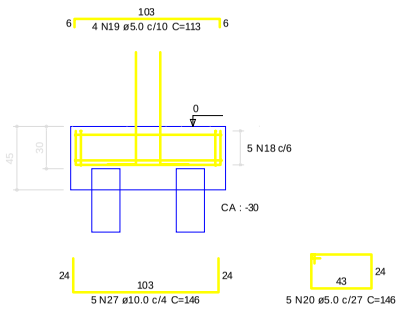
B18=B31=B39=B43=B44=B51=B53=B54=B55=B56

2 est. 20x20

PLANTA
ESC 1:25

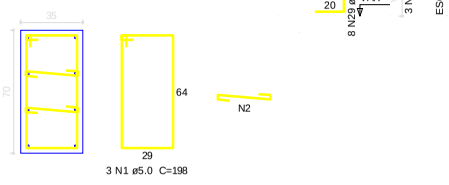


CORTE
ESC 1:25



P1=P9=P10=P13=P15=P19=P24=P26=P27=P32=P33=P36=P48

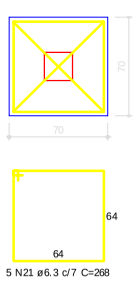
BALDRAME - L1
ESC 1:20



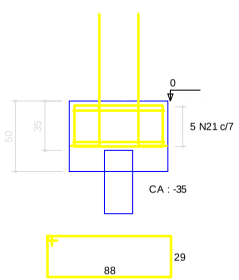
B1=B9=B10=B13=B15=B19=B24=B26=B27=B32=B33=B36=B48

1 est. 20x20

PLANTA
ESC 1:25



CORTE
ESC 1:25



Relação do aço

13xB48 B50 10xB56
B60 B61

AÇO	N	DIAM	Q	UNIT (cm)	C. TOTAL (cm)
CA60	1	5.0	42	198	8316
	2	5.0	84	44	3696
	3	5.0	38	138	5244
	4	5.0	76	34	2584
	5	5.0	21	VAR	VAR
	6	5.0	24	VAR	VAR
	7	5.0	15	447	6705
	8	5.0	21	VAR	VAR
	9	5.0	24	VAR	VAR
	10	5.0	9	388	3492
	11	5.0	20	108	2160
	12	5.0	4	219	876
	13	5.0	5	548	2740
	14	5.0	4	183	732
	15	5.0	5	246	1230
	16	5.0	2	324	648
	17	5.0	20	149	2980
	18	5.0	50	308	15400
	19	5.0	40	113	4520
	20	5.0	50	146	7300
CA50	21	6.3	65	268	17420
	22	6.3	26	246	6396
	23	8.0	4	217	868
	24	10.0	16	VAR	VAR
	25	10.0	45	188	8460
	26	10.0	80	VAR	VAR
	27	10.0	50	146	7300
	28	12.5	8	VAR	VAR
	29	12.5	104	VAR	VAR
	30	20.0	28	VAR	VAR

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	238.2	64.1
	8.0	8.7	3.8
	10.0	241.8	164
	12.5	111.3	117.9
	20.0	11.5	31.1
CA60	5.0	841.6	142.7
PESO TOTAL			
CA50	380.9		
CA60	142.7		

Vol. de concreto total (C-25) = 11.17 m³
Área de forma total = 62.95 m²