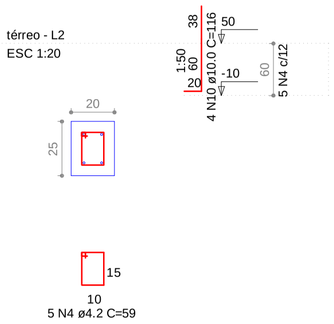
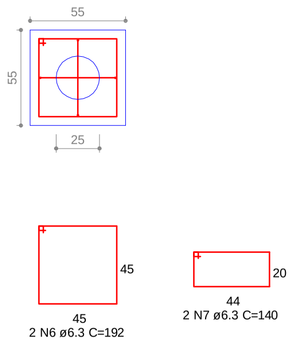
P1=P17=P18=P21=P23=P27

térreo - L2
ESC 1:20

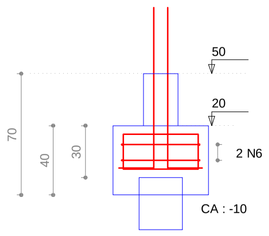


B1=B17=B18=B21=B23=B27

1ø25
Planta
ESC 1:25

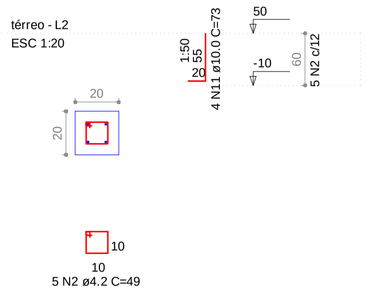


Corte
ESC 1:25



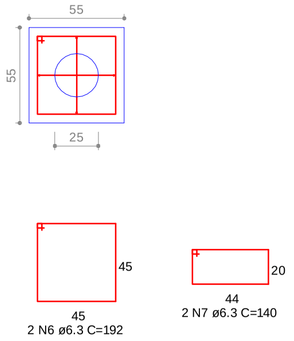
P20=P22=P24=P26

térreo - L2
ESC 1:20

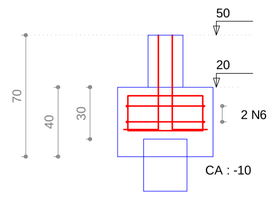


B20=B22=B24=B26

1ø25
Planta
ESC 1:25

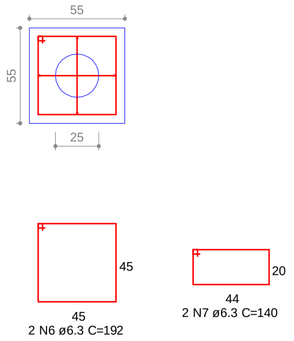


Corte
ESC 1:25

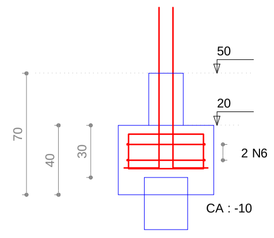


B2=B3=B4=B5=B28

1ø25
Planta
ESC 1:25

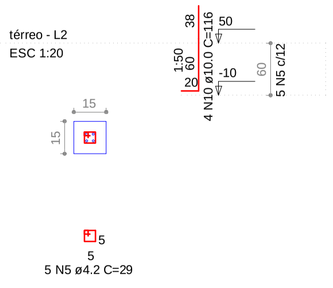


Corte
ESC 1:25



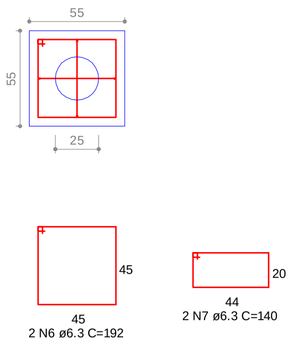
P29=P30

térreo - L2
ESC 1:20

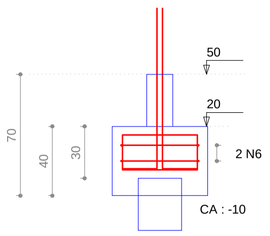


B29=B30

1ø25
Planta
ESC 1:25

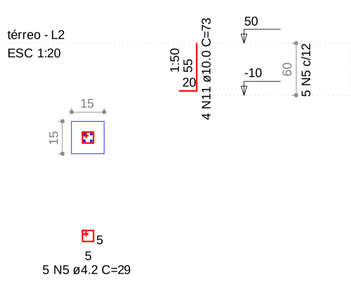


Corte
ESC 1:25



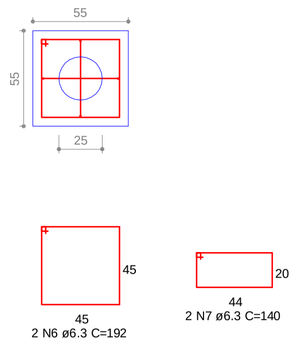
P31=P32

térreo - L2
ESC 1:20

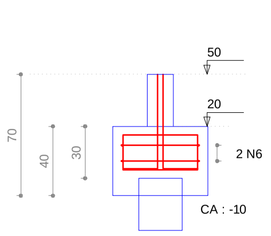


B31=B32

1ø25
Planta
ESC 1:25

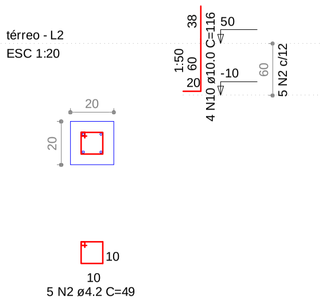


Corte
ESC 1:25



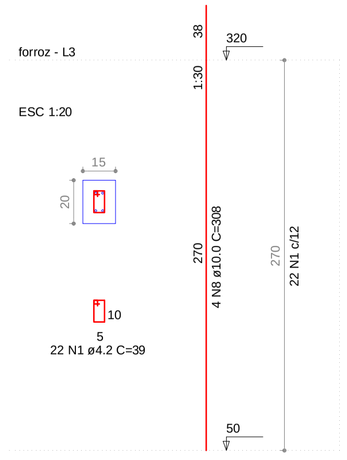
P2=P3=P4=P5=P28

térreo - L2
ESC 1:20



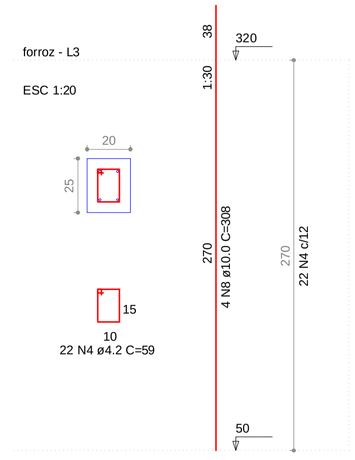
P1

forroz - L3
ESC 1:20



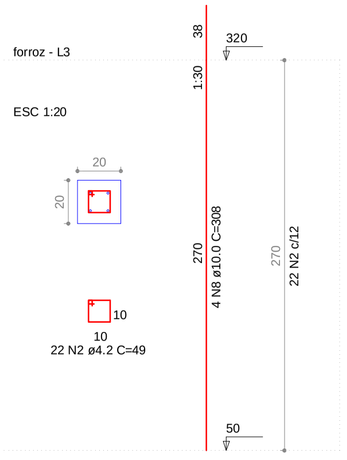
P17=P18=P19=P23=P25

forroz - L3
ESC 1:20



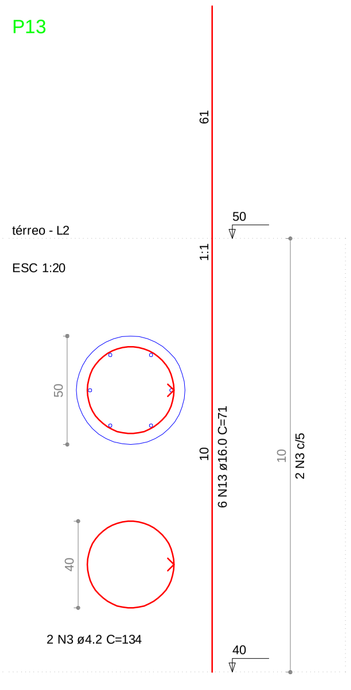
P2=P3=P4=P5=P28

forroz - L3
ESC 1:20



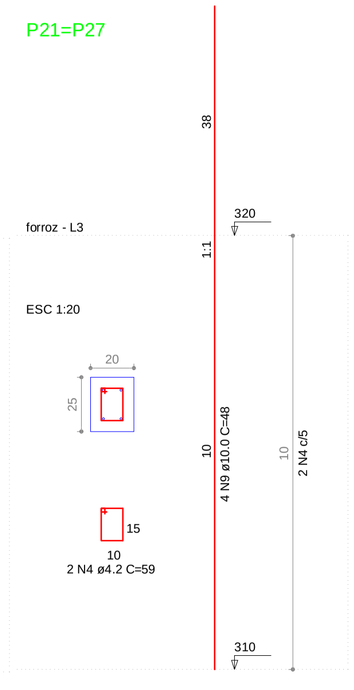
P13

térreo - L2
ESC 1:20



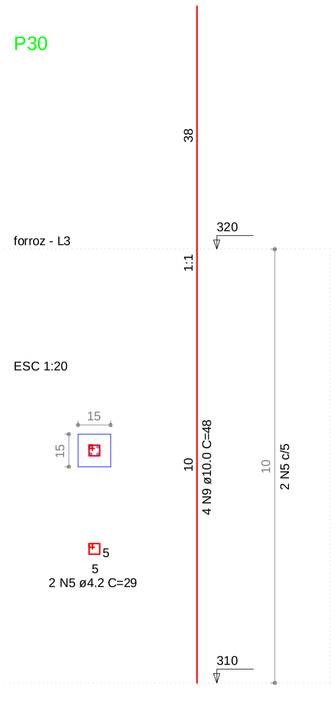
P21=P27

forroz - L3
ESC 1:20



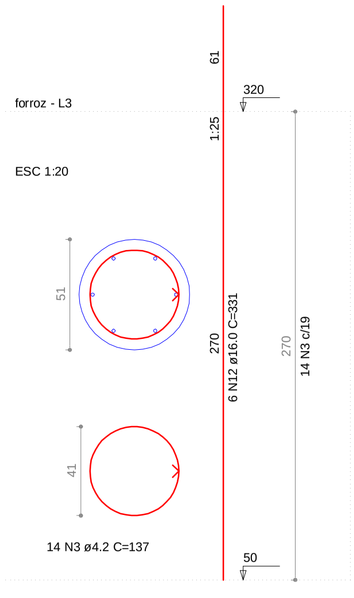
P30

forroz - L3
ESC 1:20



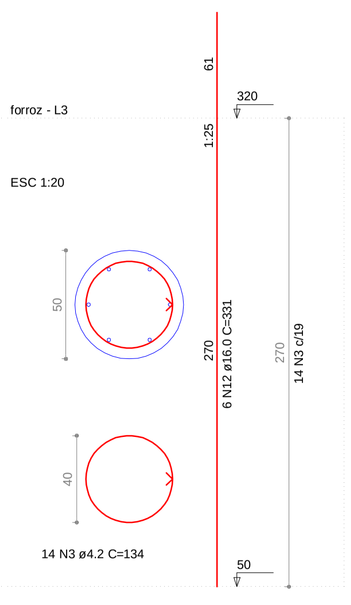
P7

forroz - L3
ESC 1:20



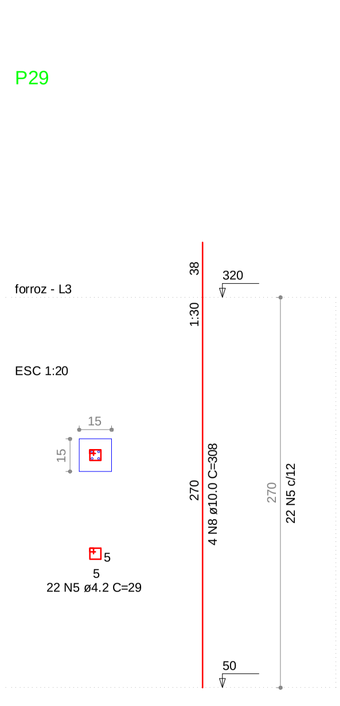
P9=P13

forroz - L3
ESC 1:20



P29

forroz - L3
ESC 1:20



RELAÇÃO DO AÇO

P1-L3	5xP2-L3	P7-L3
2xP9-L3	5xP17-L3	2xP21-L3
P29-L3	P30-L3	4xB26-L2
6xB27-L2	5xB28-L2	2xB30-L2
2xB32-L2	6xP1-L2	5xP2-L2
P13-L2	4xP20-L2	2xP29-L2
2xP31-L2		

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	4.2	22	39	858
	2	4.2	155	49	7595
	3	4.2	44	137	6028
	4	4.2	144	59	8496
	5	4.2	44	29	1276
50	6	6.3	38	192	7296
	7	6.3	38	140	5320
	8	10.0	48	308	14784
	9	10.0	12	48	576
	10	10.0	52	116	6032
	11	10.0	24	73	1752
	12	16.0	18	331	5958
	13	16.0	6	71	426

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	6.3	126.2	34.0
	10.0	231.2	156.9
	16.0	63.8	110.9
CA60	4.2	240.7	28.9
PESO TOTAL			
CA50	301.8		
CA60	28.9		

Volume de concreto total = 5.66 m³
Área de forma total = 65.39 m²
fck = 250.00 kgf/cm²

BLUE = PEÇA 0,25
9 = PEÇA 0,50
WHITE = PEÇA 0,00
RED = PEÇA 0,75
DENSE = PEÇA 0,05

TÍTULO: FERRAGEM

OBRA: AUDITÓRIO RECEP

LOCAL: FRANCA SP

CLIENTE: UNIFACEF

ENG. VIRGÍNIO H. V. REIS
CREA: 0600706662

ESCALA: INDICADA

DATA NOV 2012

OBS:

5/8

A1 - 841x594