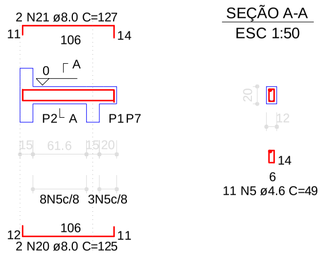
V1 (12 x 20)

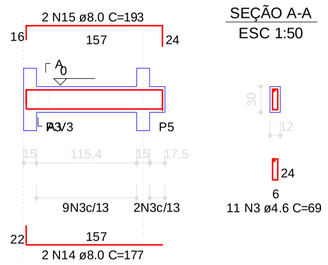
1:50



SEÇÃO A-A
ESC 1:50

V2 (12 x 30)

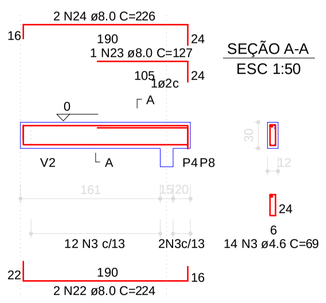
1:50



SEÇÃO A-A
ESC 1:50

V3 (12 x 30)

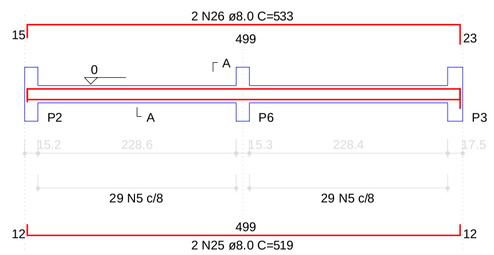
1:50



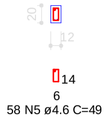
SEÇÃO A-A
ESC 1:50

V4 (12 x 20)

1:50

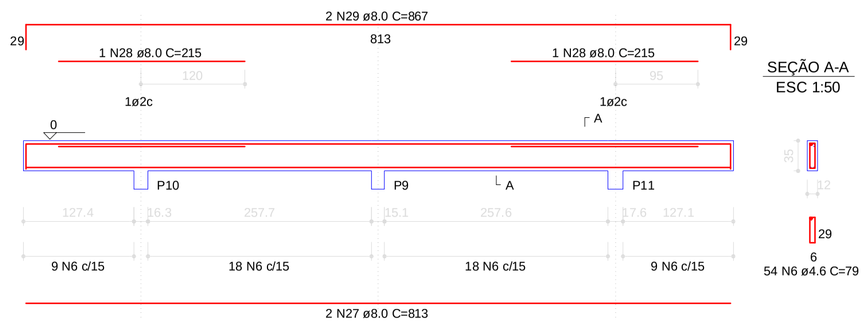


SEÇÃO A-A
ESC 1:50



V5 (12 x 35)

1:50



SEÇÃO A-A
ESC 1:50

RELAÇÃO DO AÇO

6xP2-L2	V1-L2	V2-L2
V3-L2	V4-L2	V5-L2
4x86-L1	3x89-L1	2x811-L1
3xP1-L1	3xP1-L1	4xP2-L1
4xP2-L1	2xP10-L1	2xP10-L1
V1-L1	V2-L1	V3-L1
V4-L1	V5-L1	

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	4.2	202	29	5858
	2	4.2	20	39	780
	3	4.6	140	69	9660
	4	4.6	2	277	554
	5	4.6	69	49	3381
	6	4.6	54	79	4266
50	7	6.3	18	172	3096
	8	6.3	18	130	2340
	9	8.0	2	644	1288
	10	8.0	2	109	218
	11	8.0	2	294	588
	12	8.0	2	146	292
	13	8.0	2	134	268
	14	8.0	4	177	708
	15	8.0	4	193	772
	16	8.0	2	230	460
	17	8.0	2	218	436
	18	8.0	2	539	1078
	19	8.0	2	527	1054
	20	8.0	2	125	250
	21	8.0	2	127	254
	22	8.0	2	224	448
	23	8.0	1	127	127
	24	8.0	2	226	452
	25	8.0	2	519	1038
	26	8.0	2	533	1066
	27	8.0	2	813	1626
	28	8.0	2	215	430
	29	8.0	2	867	1734
	30	10.0	24	265	6360
	31	10.0	40	73	2920
	32	10.0	32	116	3712

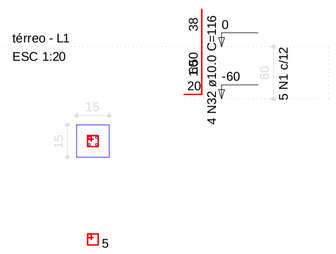
RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	6.3	54.4	14.7
	8.0	146.0	63.5
	10.0	129.7	88.0
CA60	4.2	65.8	7.9
	4.6	177.6	25.5
PESO TOTAL			
CA50	166.1		
CA60	33.4		

Volume de concreto total = 3.01 m³
Área de forma total = 47.71 m²
fck = 250.00 kg/cm²

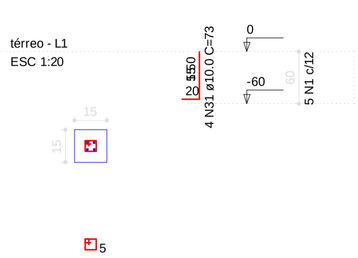
P2=P3=P5=P6

térreo - L1
ESC 1:20



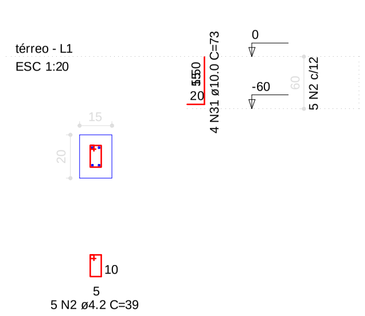
P1=P4=P9

térreo - L1
ESC 1:20



P10=P11

térreo - L1
ESC 1:20



P10=P11

térreo - L1
ESC 1:20

B10=B11

1ø20

Planta
ESC 1:25

Corte
ESC 1:25

P1=P4=P9

térreo - L1
ESC 1:20

B1=B4=B9

1ø20

Planta
ESC 1:25

Corte
ESC 1:25

P2=P3=P5=P6

térreo - L1
ESC 1:20

B2=B3=B5=B6

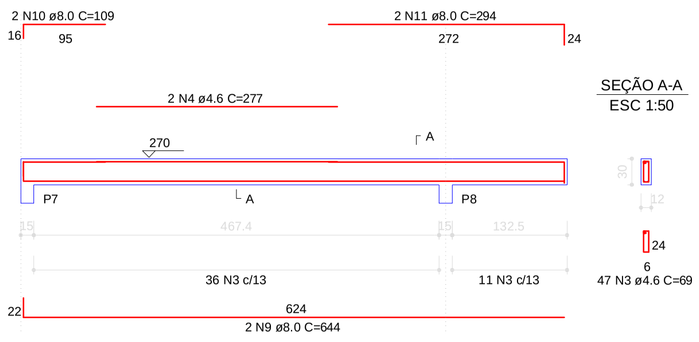
1ø20

Planta
ESC 1:25

Corte
ESC 1:25

V1 (12 x 30)

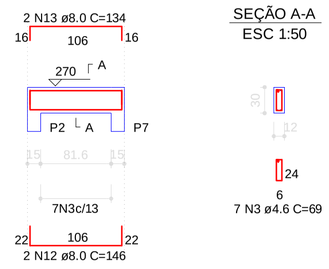
1:50



SEÇÃO A-A
ESC 1:50

V2 (12 x 30)

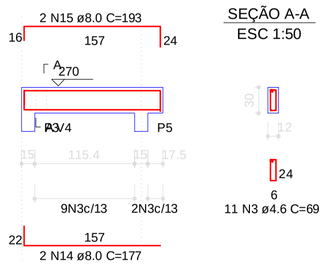
1:50



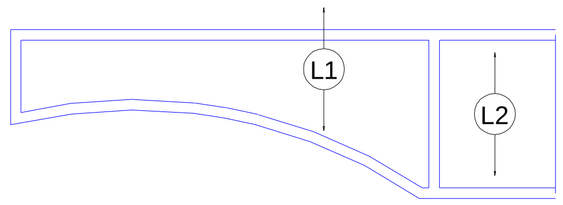
SEÇÃO A-A
ESC 1:50

V3 (12 x 30)

1:50



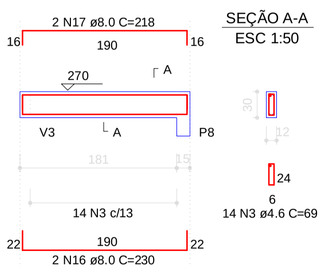
SEÇÃO A-A
ESC 1:50



LAJE MONTAGEM NIVEL 270

V4 (12 x 30)

1:50



SEÇÃO A-A
ESC 1:50

V5 (12 x 30)

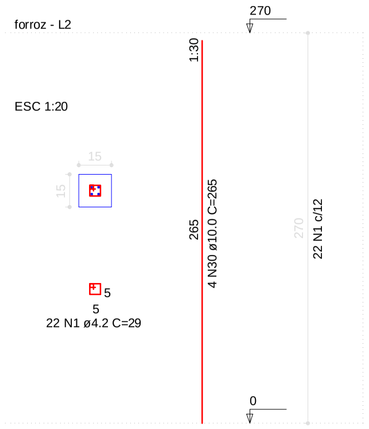
1:50

SEÇÃO A-A
ESC 1:50

P2=P3=P5=P6=P7=P8

forroz - L2

ESC 1:20



TÍTULO:	FERRAGEM PALCO
OBRA:	AUDITORIO PALCO
LOCAL:	FRANCA SP
CLIENTE:	UNIFACEF
ENG.	VIRGÍNIO H. V. REIS
CREA:	0600706662
ESCALA:	INDICADA
DATA	NOV 2012
OBS:	

1/2

BLUE - PENA 0,25
BLK - PENA 0,25
YCT - PENA 0,20
RED - PENA 0,30
DEMAIS - PENA 0,15