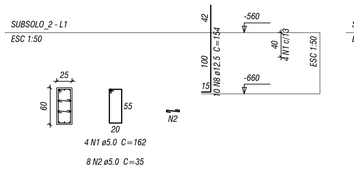
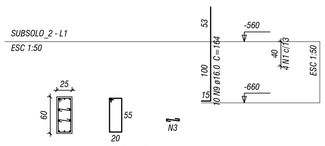
P10



4 N1 ø5.0 C=162

8 N2 ø5.0 C=35

P14

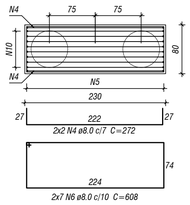


4 N1 ø5.0 C=162

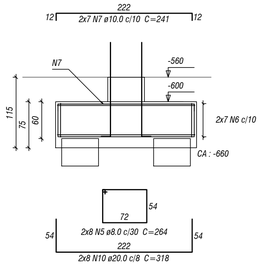
8 N3 ø5.0 C=35

B10=B14
2ø60

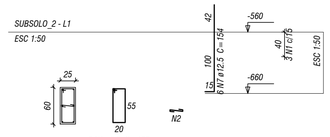
PLANTA
ESC 1:50



CORTE
ESC 1:50



P9

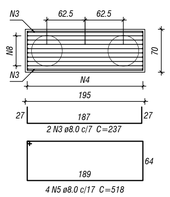


3 N1 ø5.0 C=162

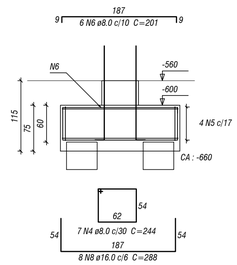
3 N2 ø5.0 C=35

B9
2ø50

PLANTA
ESC 1:50



CORTE
ESC 1:50



Relação do aço

ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
B3	CA60	1	5.0	5	132	660
	CA60	2	5.0	3	50	150
	CA60	3	5.0	7	40	280
	CA60	4	5.0	2	122	244
	CA60	5	5.0	2	35	70
	CA50	6	8.0	6	248	1488
	CA50	7	8.0	12	228	2736
	CA50	8	12.5	22	134	2948
B7	CA60	1	5.0	3	262	786
	CA60	2	5.0	12	35	420
	CA60	3	5.0	2	152	304
	CA60	4	5.0	4	30	120
	CA50	5	8.0	4	237	948
	CA50	6	8.0	14	244	3416
	CA50	7	8.0	8	518	4144
	CA50	8	8.0	12	201	2412
	CA50	9	16.0	20	154	3080
	CA50	10	16.0	14	288	4032
B9	CA60	1	5.0	3	162	486
	CA60	2	5.0	3	35	105
	CA50	3	8.0	2	237	474
	CA50	4	8.0	7	244	1708
	CA50	5	8.0	4	518	2072
	CA50	6	8.0	6	201	1206
	CA50	7	12.5	6	154	924
	CA50	8	16.0	8	288	2304
B10	CA60	1	5.0	8	162	1296
	CA60	2	5.0	8	35	280
	CA60	3	5.0	8	35	280
	CA50	4	8.0	4	272	1088
	CA50	5	8.0	16	264	4224
	CA50	6	8.0	14	608	8512
	CA50	7	10.0	14	241	3374
	CA50	8	12.5	10	154	1540
	CA50	9	16.0	10	164	1640
	CA50	10	20.0	16	318	5088
B18	CA60	1	5.0	4	122	488
	CA60	2	5.0	4	35	140
	CA50	3	8.0	2	326	652
	CA50	4	8.0	7	268	1876
	CA50	5	8.0	2	270	540
	CA50	6	16.0	12	179	2148
B19	CA60	1	5.0	3	152	456
	CA60	2	5.0	6	30	180
	CA50	3	10.0	8	151	1208
	CA50	4	12.5	2	358	716
	CA50	5	12.5	6	316	1896

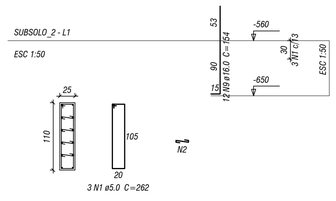
Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8.0	375	148
	10.0	45.9	28.2
	12.5	80.3	77.3
	16.0	132.1	208.4
	20.0	50.9	125.5
CA60	5.0	67.5	10.4

PESO TOTAL	
CA50	587.4
CA60	10.4

Vol. de concreto total (C-30) = 8.39 m³
Área de forma total = 46.13 m²

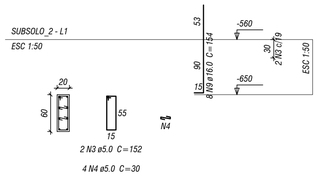
P5



3 N1 ø5.0 C=262

12 N2 ø5.0 C=35

P7

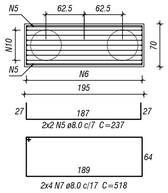


2 N3 ø5.0 C=152

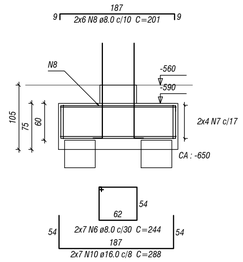
4 N4 ø5.0 C=30

B5=B7
2ø50

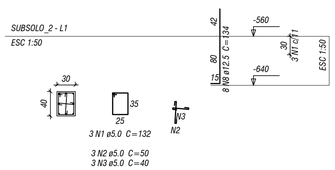
PLANTA
ESC 1:50



CORTE
ESC 1:50



P1

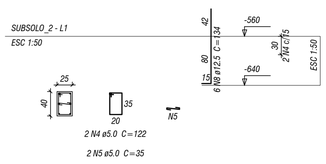


3 N1 ø5.0 C=132

3 N2 ø5.0 C=50

3 N3 ø5.0 C=40

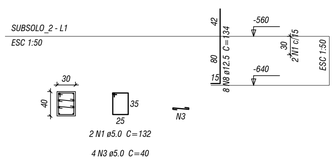
P2



2 N4 ø5.0 C=122

2 N5 ø5.0 C=35

P3

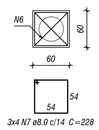


2 N1 ø5.0 C=132

4 N3 ø5.0 C=40

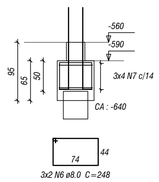
B1=B2=B3
1ø40

PLANTA
ESC 1:50



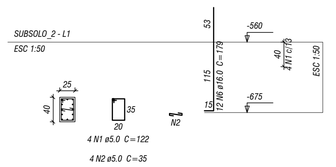
3x4 N7 ø8.0 c/14 C=228

CORTE
ESC 1:50



3x2 N6 ø8.0 C=248

P18

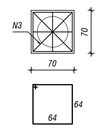


4 N1 ø5.0 C=122

4 N2 ø5.0 C=35

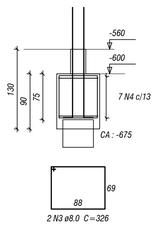
B18
1ø50

PLANTA
ESC 1:50



7 N4 ø8.0 c/13 C=268

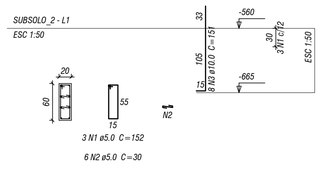
CORTE
ESC 1:50



2 N3 ø8.0 C=326

2 N5 ø8.0 c/1 C=270

P19

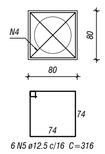


3 N1 ø5.0 C=152

6 N2 ø5.0 C=30

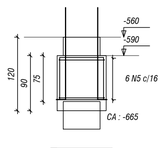
B19
1ø60

PLANTA
ESC 1:50



6 N5 ø12.5 c/16 C=316

CORTE
ESC 1:50



2 N4 ø12.5 C=358

| CORES | PENAS PARA PLOTAGEM | | |