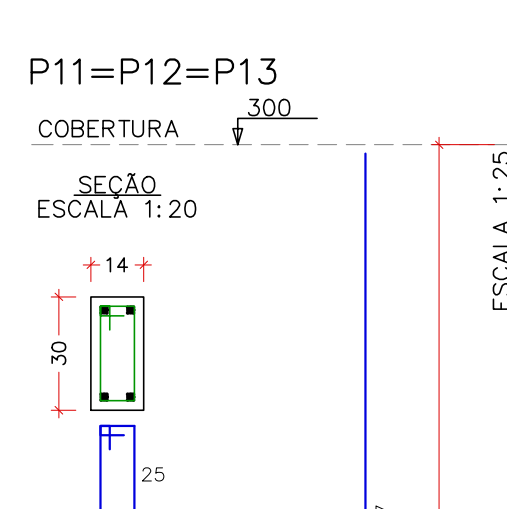
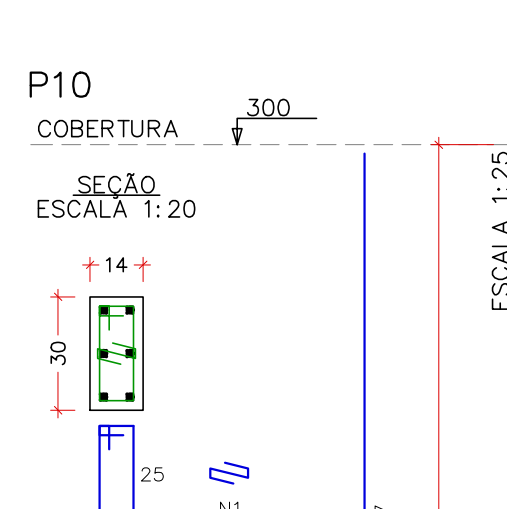
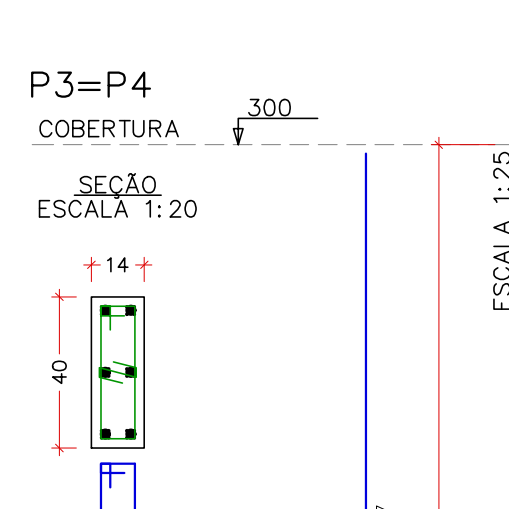
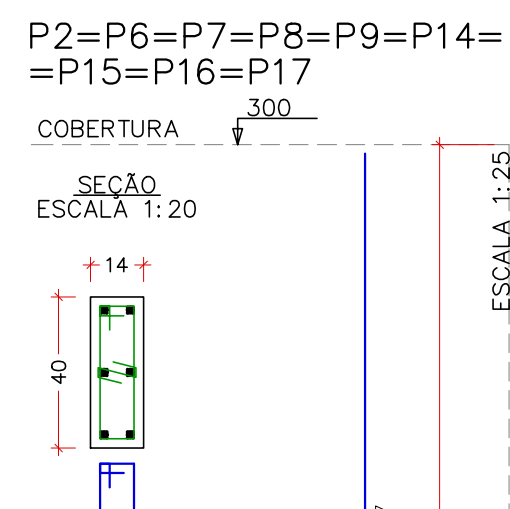
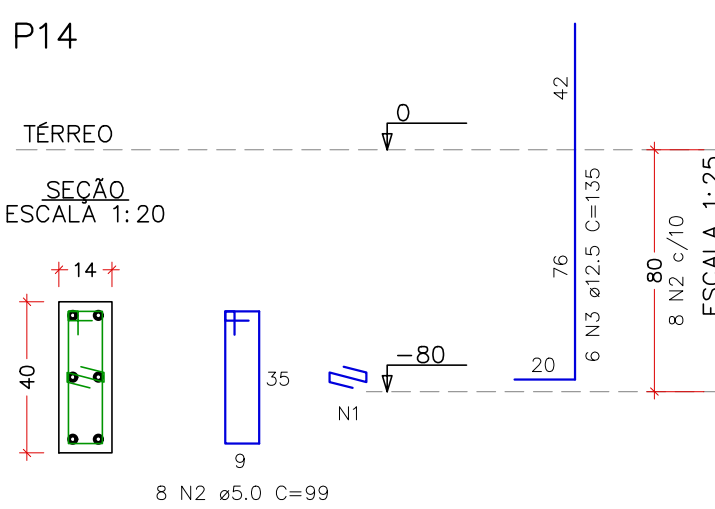
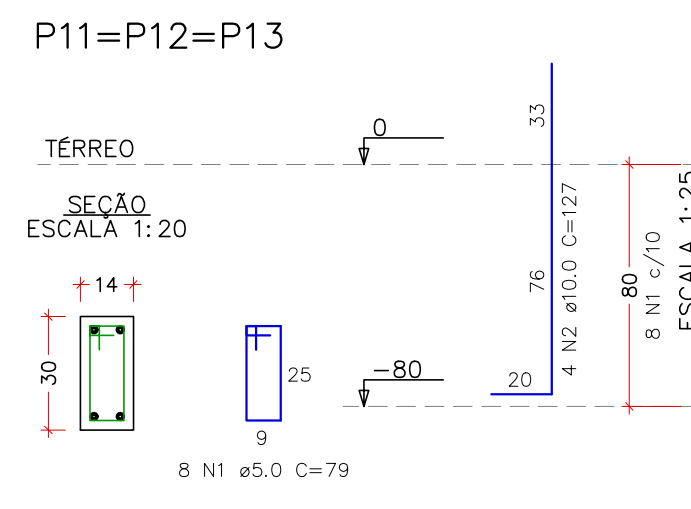
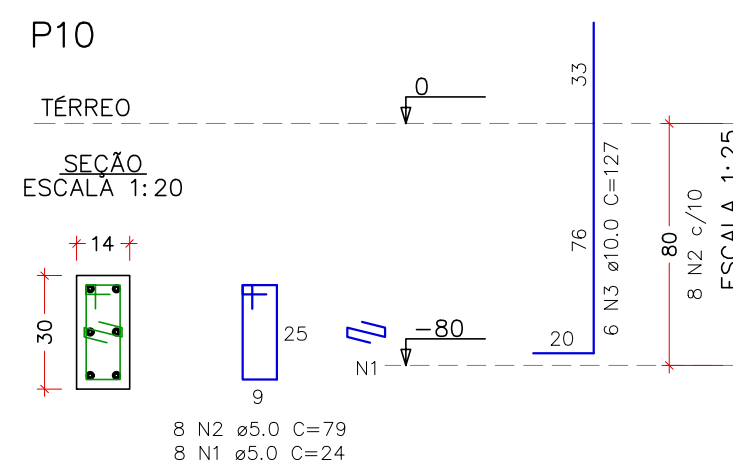
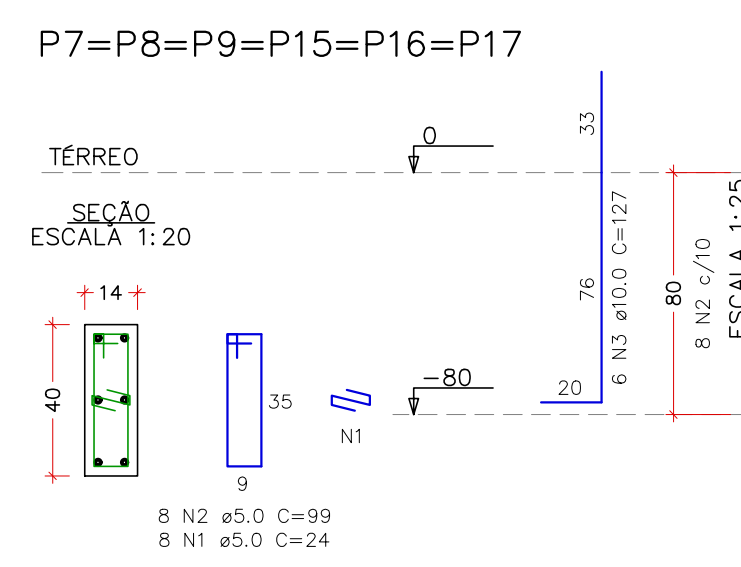
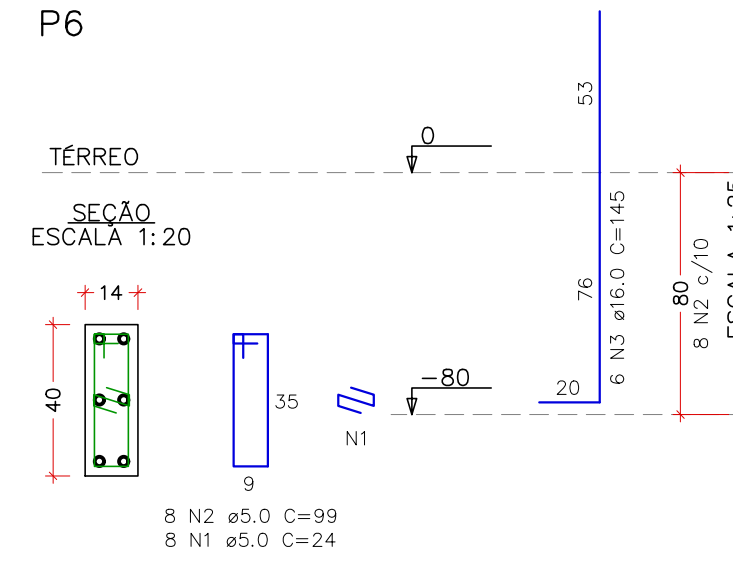
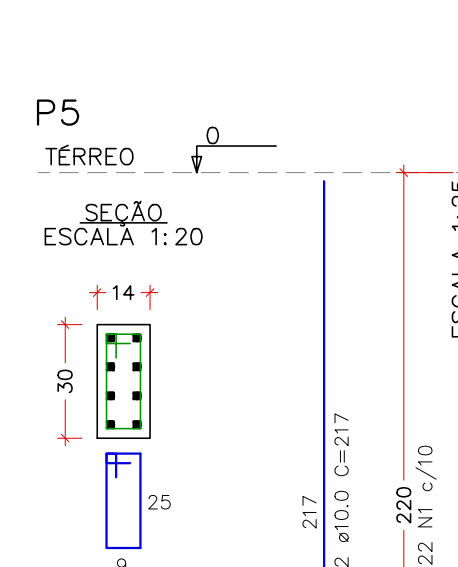
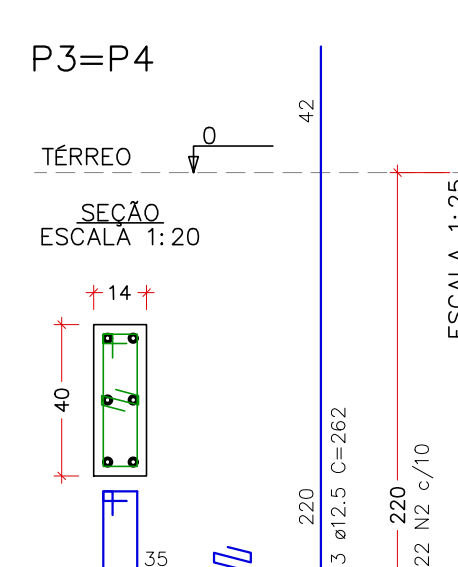
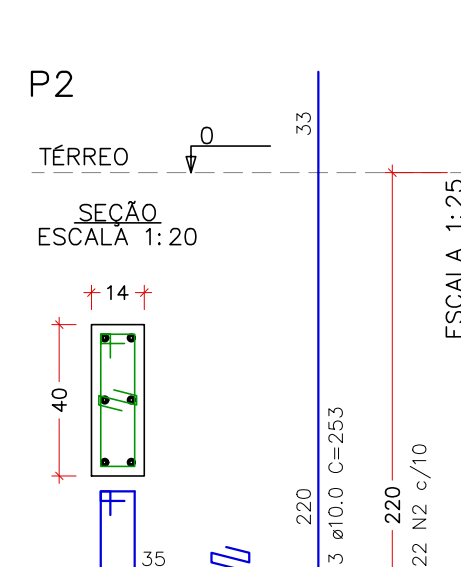
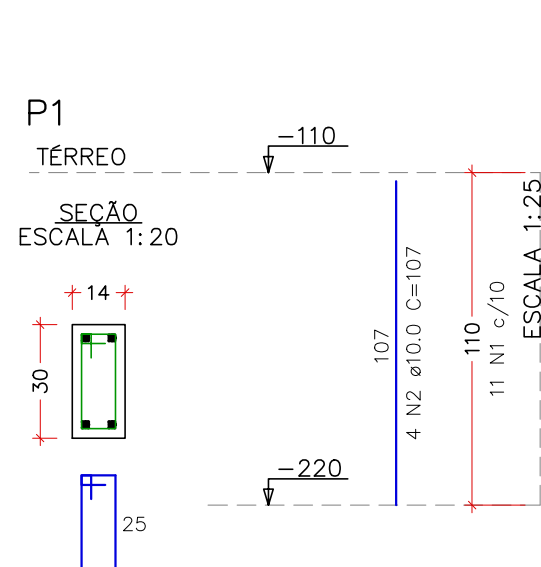
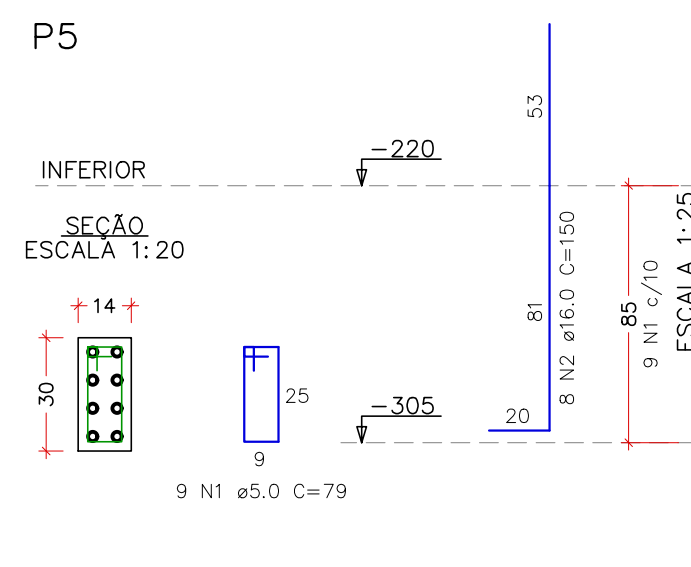
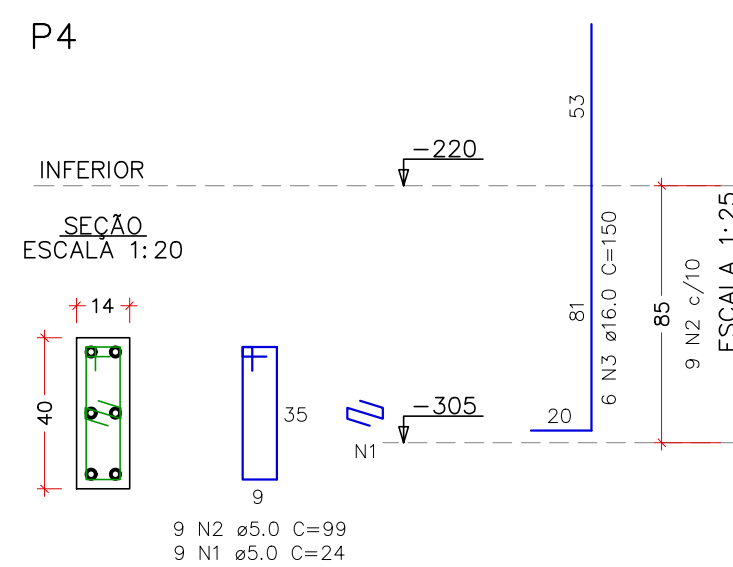
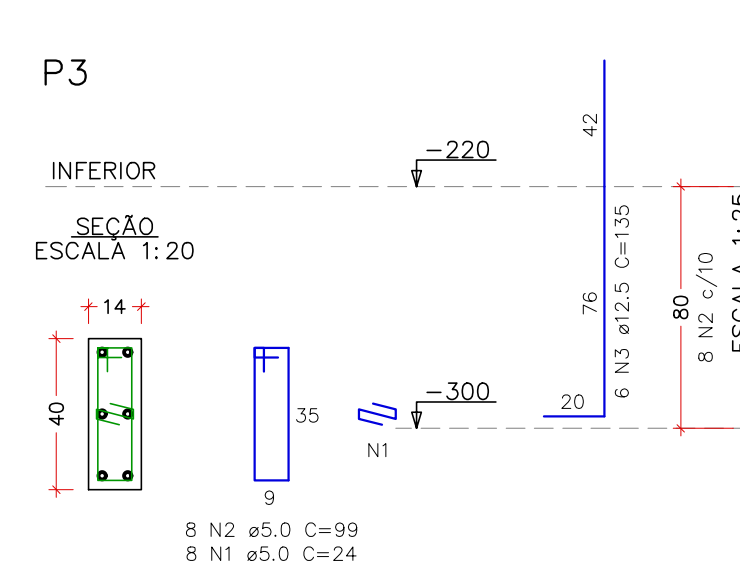
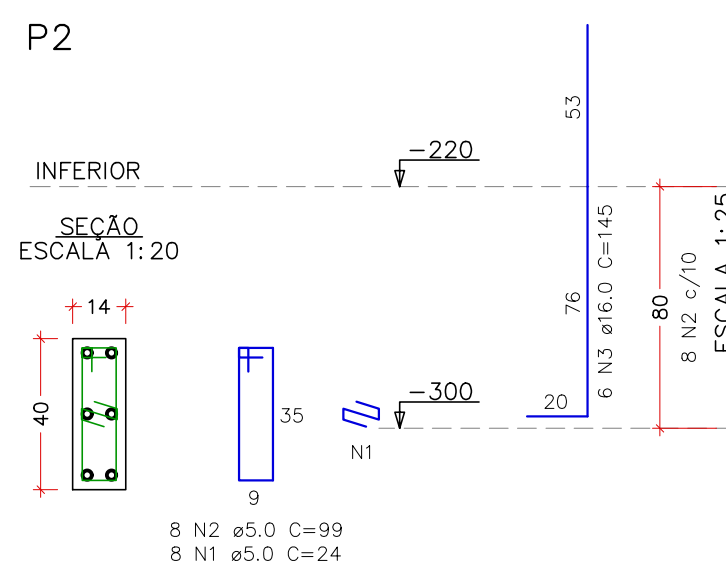
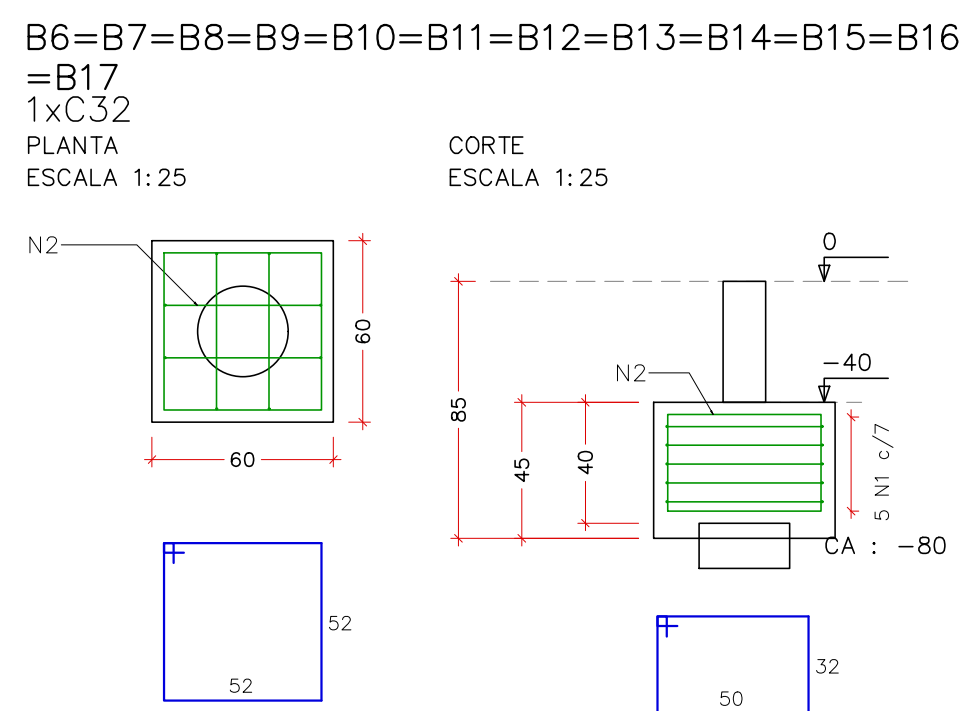
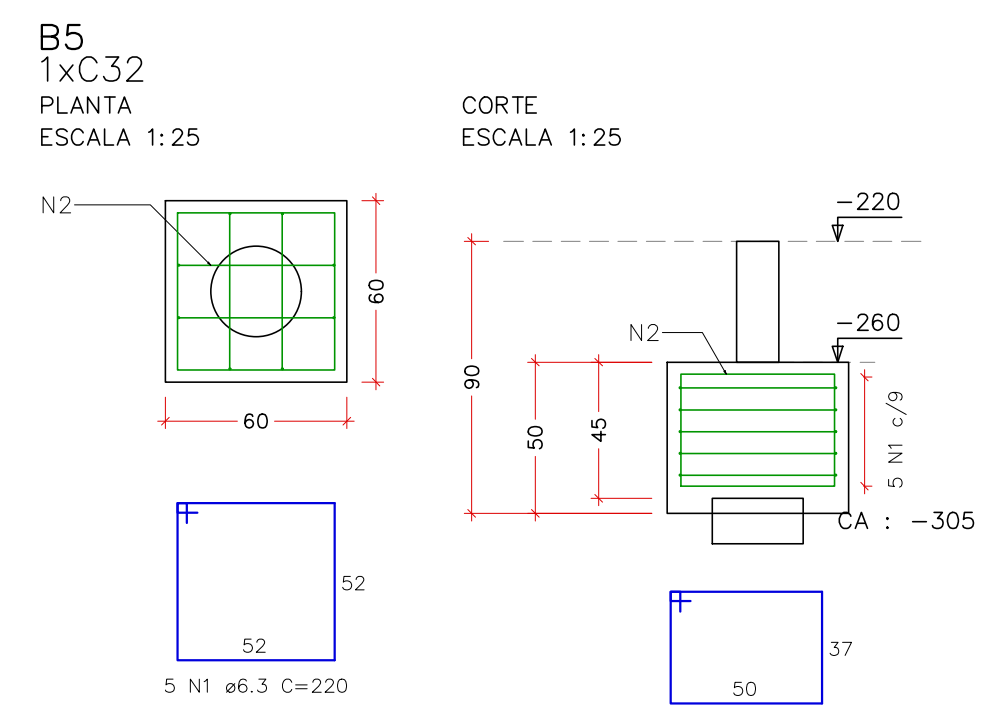
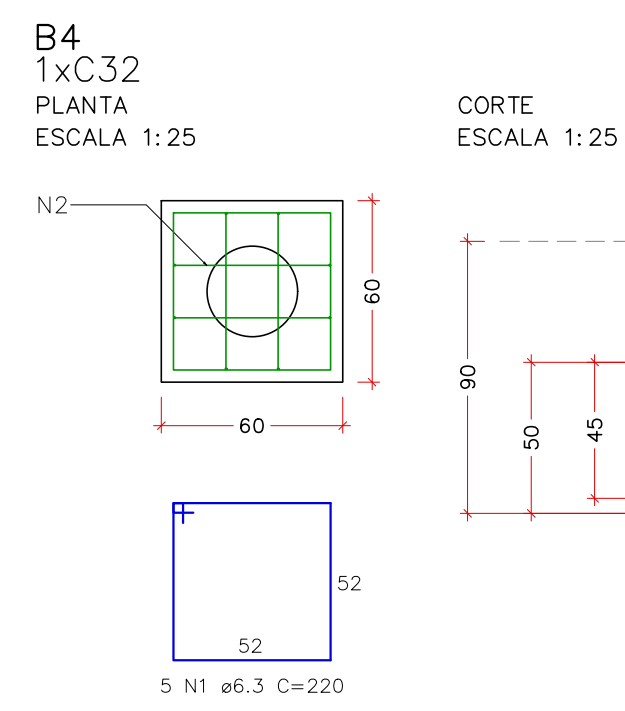
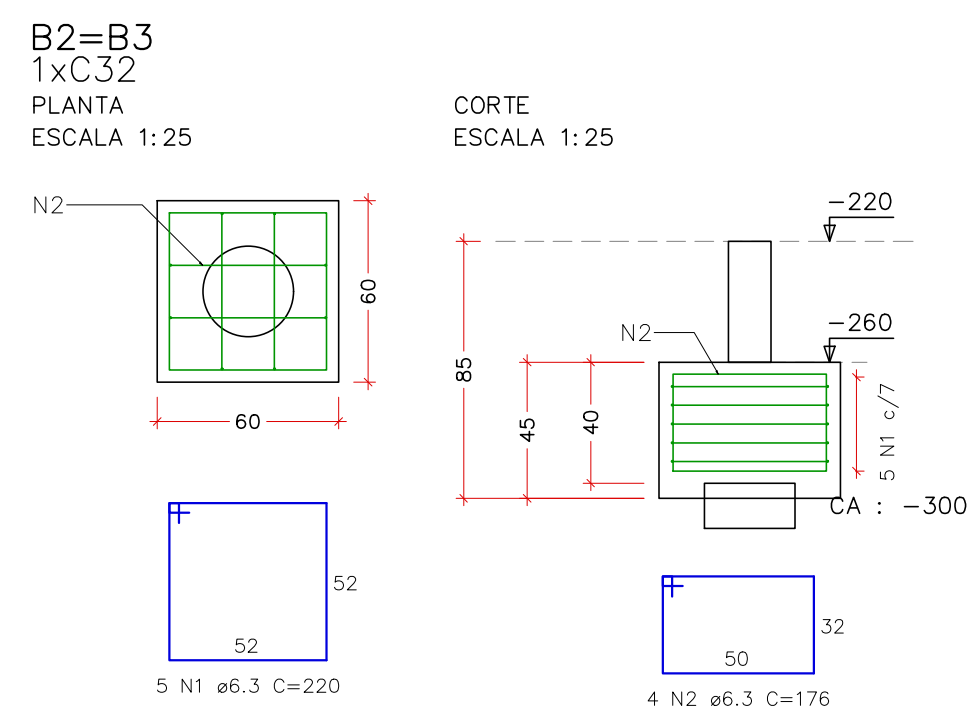




RELACÃO DO AÇO – PAV TERREIRO						
ELEMENTO	ACO	N	DIAM	QUANT	C.UNIT (cm)	C.TOTAL (cm)
P1	CA60	1	5,0	11	79	869
P2	CA50	2	10,0	4	107	428
	CA60	1	5,0	22	24	2178
2xP3	CA50	3	10,0	3	22	138
	CA60	1	5,0	44	24	1056
P5	CA50	3	12,5	44	99	4356
	CA60	1	5,0	12	262	3138
P6	CA50	2	10,0	8	217	1738
	CA60	1	5,0	24	24	1738
6xP7	CA50	3	16,0	8	99	792
	CA60	1	5,0	145	80	1152
P10	CA50	2	5,0	89	479	4752
	CA60	3	10,0	36	107	4572
3xP11	CA50	2	5,0	8	24	192
	CA60	2	5,0	12	24	288
P12	CA50	3	10,0	6	127	762
	CA60	1	5,0	24	79	1896
P14	CA50	2	10,0	12	127	1524
	CA60	1	5,0	8	24	192
7xP8	CA50	2	5,0	78	79	780
	CA50	3	12,5	6	135	810

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	105.4	71.5
	12.5	39.5	41.9
	16.0	8.7	15.1
CA60	6.0	213.2	16.1

VOLUME DE CONCRETO (C-30) = 0.75 m³
ÁREA DE FORMA = 14.90 m²

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
9xP2	CA60	1	5,0	270	24	6480
	CA60	2	5,0	270	99	26730
2xP3	CA60	1	5,0	60	24	16038
	CA60	1	5,0	60	24	1440
	CA60	2	5,0	60	99	5940
P10	CA60	1	12,5	12	297	3564
	CA60	1	5,0	30	24	720
	CA60	2	5,0	30	79	2320
	CA60	3	10,0	297	297	1782
5xP11	CA60	5	10,0	90	79	7110
	CA50	2	10,0	12	297	3564

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	213.8	145
	12.5	35.6	37.8
CA60	5.0	507.9	86.1

VOLUME DE CONCRETO (C-30) = 2.35 m³
ÁREA DE FORMA = 46.20 m²

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
C. LATERAL	CA50	1	10.0	40	275	11000

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	110.0	74.7
PESO TOTAL (kg)			
CA50	74.7	VOLUME DE GRAUTE 15 MPa = 0.71 m³ BLOCO ESTRUTURAL 14x19x39 = 11.3 m³	

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
2x83	CA50	1	6,3	10	220	2200
B4	CA50	2	6,3	8	176	1408
	CA50	1	6,3	5	220	1100
B5	CA50	2	6,3	4	186	744
	CA50	1	6,3	5	220	1100
	CA50	2	6,3	4	186	744

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	73	19.6
PESO TOTAL (kg)			
CA50	19.6		

VOLUME DE CONCRETO (C-30) = 0.67 m³
ÁREA DE FORMA = 4.56 m²

RELAÇÃO DO AÇO – PAV TÉRREO						
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
12xB17	CA50	1	6.3	60	220	13200
	CA50	2	6.3	48	176	8448

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	216.5	58.3
PESO TOTAL (kg)			
CA50	58.3		

VOLUME DE CONCRETO (C-30) = 1.90 m³
ÁREA DE FORMA = 12.96 m²

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
P2	CA60	1	5,0	8	24	192
	CA50	2	5,0	9	99	792
P3	CA50	3	5,0	6	145	870
	CA60	1	5,0	8	24	192
P4	CA60	2	5,0	8	99	792
	CA50	1	12,5	6	135	810
P5	CA60	1	5,0	9	24	216
	CA60	2	5,0	9	99	891
P5	CA50	3	16,0	6	150	900
	CA60	1	5,0	9	79	711
	CA50	2	16,0	8	150	1200

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	12.5	8.1	8.6
	16.0	29.7	51.6
CA60	5.0	37.9	6.4
PESO TOTAL (kg)			
CA50	60.1		
CA60	6.4		

VOLUME DE CONCRETO (C-30) = 0.08 m³
ÁREA DE FORMA = 1.65 m²

DETALHE DE DOBRAS	
SEM ESCALA	
DIÂMETRO MÍNIMO DOS PINOS DE DOBRAMENTO DAS BARRAS:	
ESTRIBOS	BARRAS DE TRAÇÃO
ø (mm)	ø (mm)
5,0	5,0
6,3	6,3
8,0	8,0
10,0	10,0
12,5	12,5
16,0	16,0
≥ 20,0	≥ 20,0
8ø	8ø

