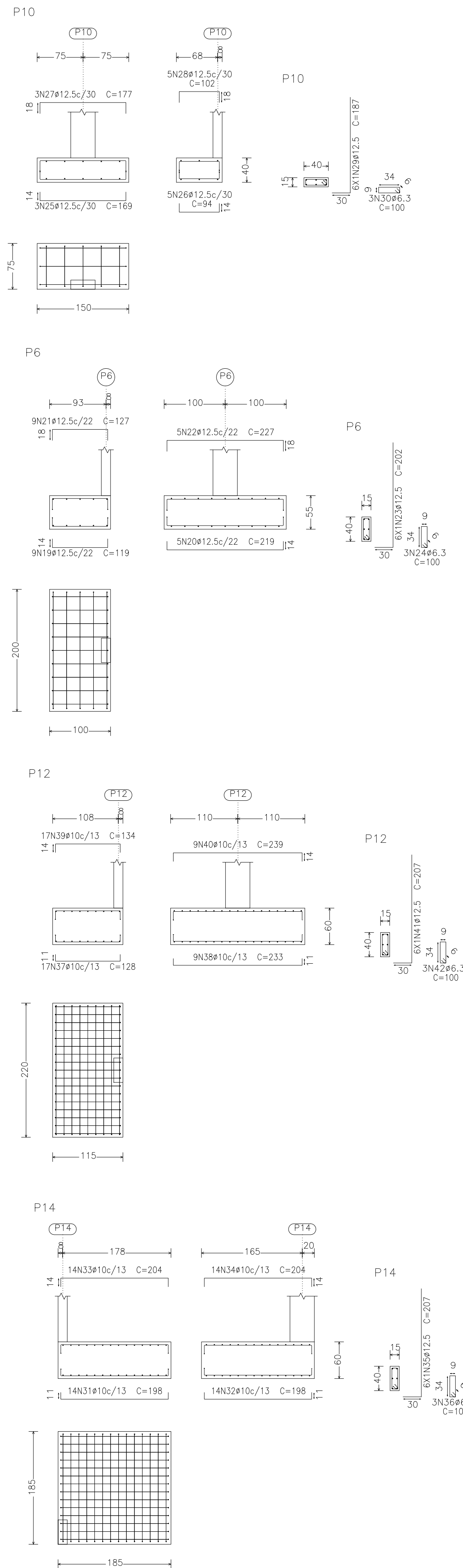
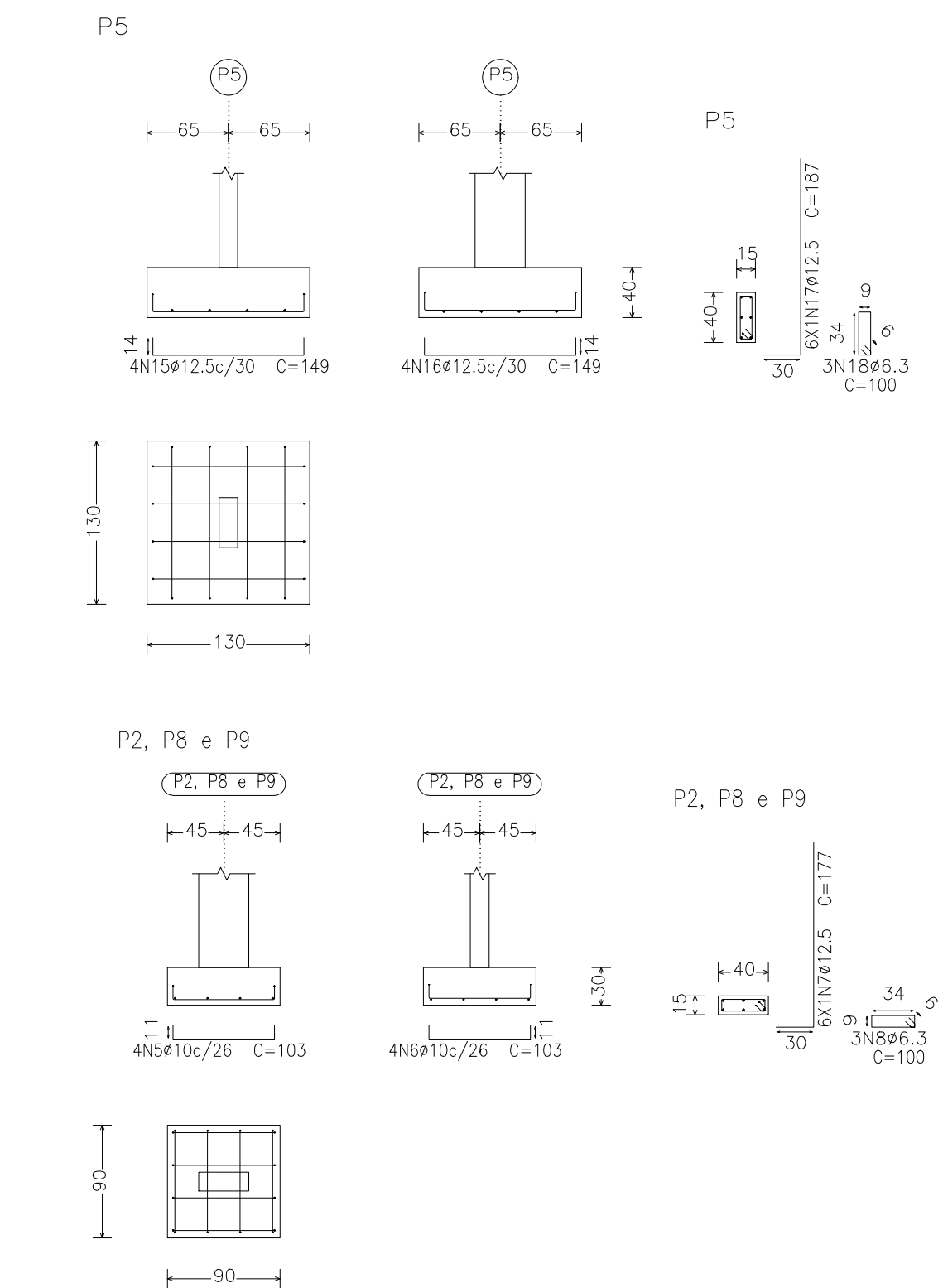
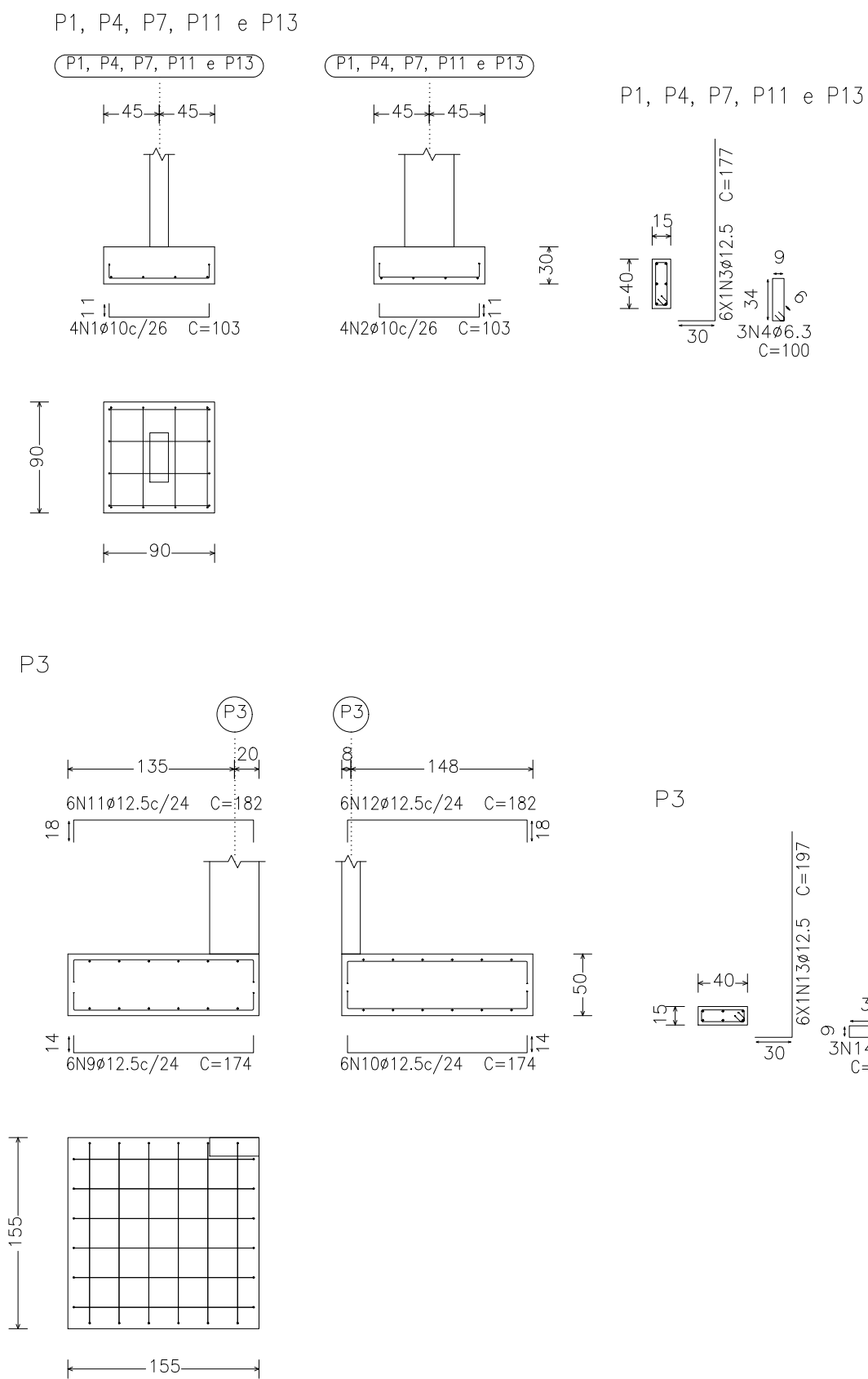


Fundação
Detalhamento fundação
Concreto em lajes: C30, em geral
Concreto em fundação: C30, em geral
Escala: 1:50

Resumo Aço	Comp. total (m)	Peso+10% (kg)	Total
Fundação			
Detalhamento fundação			
CA-50	42.0	11	
Ø6.3	265.5	180	
Ø10	275.4	292	483



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
P1=P4=P7=P11=P13	1	Ø10	4	11	81	11	103	412	2.5	
	2	Ø10	4	11	81	11	103	412	2.5	
	3	Ø12.5	6	30	147	177	1062	10.2		
	4	Ø6.3	3		100		100	300	0.7	
Total+10% (x5):									17.5	
Total+10% (x5):									87.5	
P2=P8=P9	5	Ø10	4	11	81	11	103	412	2.5	
	6	Ø10	4	11	81	11	103	412	2.5	
	7	Ø12.5	6	30	147	177	1062	10.2		
	8	Ø6.3	3		100		100	300	0.7	
Total+10% (x3):									17.5	
Total+10% (x3):									52.5	
P3	9	Ø12.5	6	14	146	14	174	1044	10.1	
	10	Ø12.5	6	14	146	14	174	1044	10.1	
	11	Ø12.5	6	18	146	18	182	1092	10.5	
	12	Ø12.5	6	18	146	18	182	1092	10.5	
	13	Ø12.5	6	30	167	197	1182	11.4		
	14	Ø6.3	3		100		100	300	0.7	
Total+10% (x3):									58.6	
P5	15	Ø12.5	4	14	121	14	149	596	5.7	
	16	Ø12.5	4	14	121	14	149	596	5.7	
	17	Ø12.5	6	30	157		187	1122	10.8	
	18	Ø6.3	3		100		100	300	0.7	
Total+10% (x3):									25.2	
P6	19	Ø12.5	9	14	91	14	119	1071	10.3	
	20	Ø12.5	5	14	191	14	219	1095	10.5	
	21	Ø12.5	9	18	91	18	127	1143	11.0	
	22	Ø12.5	5	18	191	18	227	1135	10.9	
	23	Ø12.5	6	30	172		202	1212	11.7	
	24	Ø6.3	3		100		100	300	0.7	
Total+10% (x3):									60.6	
P10	25	Ø12.5	3	14	141	14	169	507	4.9	
	26	Ø12.5	5	14	66	14	94	470	4.5	
	27	Ø12.5	3	18	141	18	177	531	5.1	
	28	Ø12.5	5	18	66	18	102	510	4.9	
	29	Ø12.5	6	30	157		187	1122	10.8	
	30	Ø6.3	3		100		100	300	0.7	
Total+10% (x3):									34.0	
P14	31	Ø10	14	11	176	11	198	2772	17.1	
	32	Ø10	14	11	176	11	198	2772	17.1	
	33	Ø10	14	14	176	14	204	2856	17.6	
	34	Ø10	14	14	176	14	204	2856	17.6	
	35	Ø12.5	6	30	177		207	1242	12.0	
	36	Ø6.3	3		100		100	300	0.7	
Total+10% (x3):									90.3	
P12	37	Ø10	17	11	106	11	128	2176	13.4	
	38	Ø10	9	11	211	11	233	2097	12.9	
	39	Ø10	17	14	106	14	134	2278	14.0	
	40	Ø10	9	14	211	14	239	2151	13.3	
	41	Ø12.5	6	30	177		207	1242	12.0	
	42	Ø6.3	3		100		100	300	0.7	
Total+10% (x3):									72.9	
									Ø6.3: 11.0	0.0
									Ø10: 179.3	0.0
									Ø12.5: 291.3	0.0
									Total: 481.6	0.0