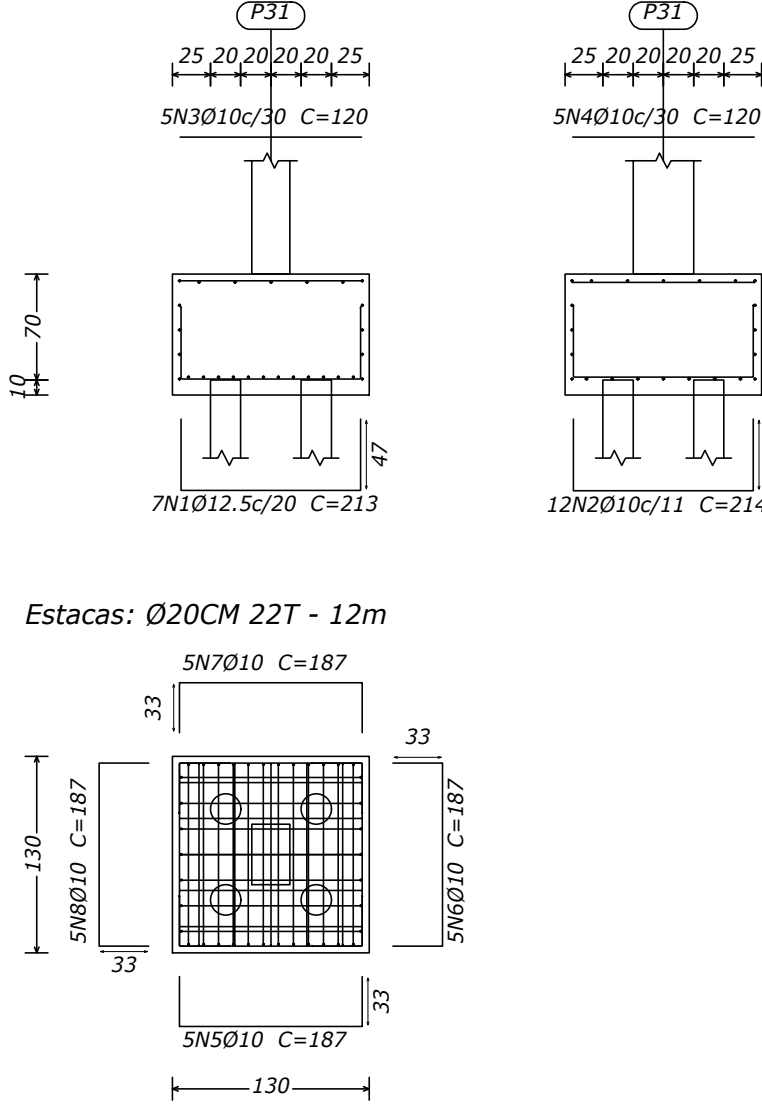
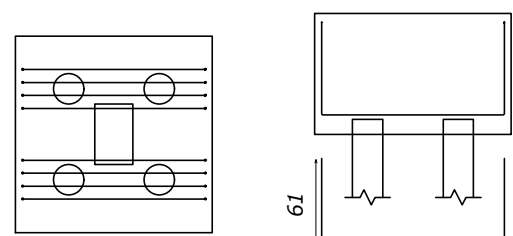


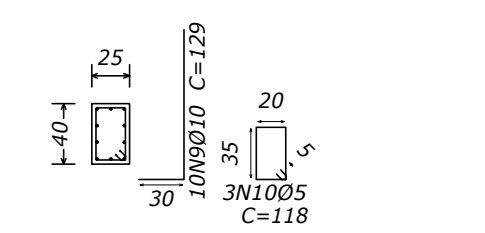
P31



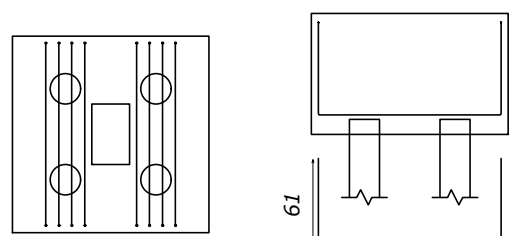
Viga paralela X



P31

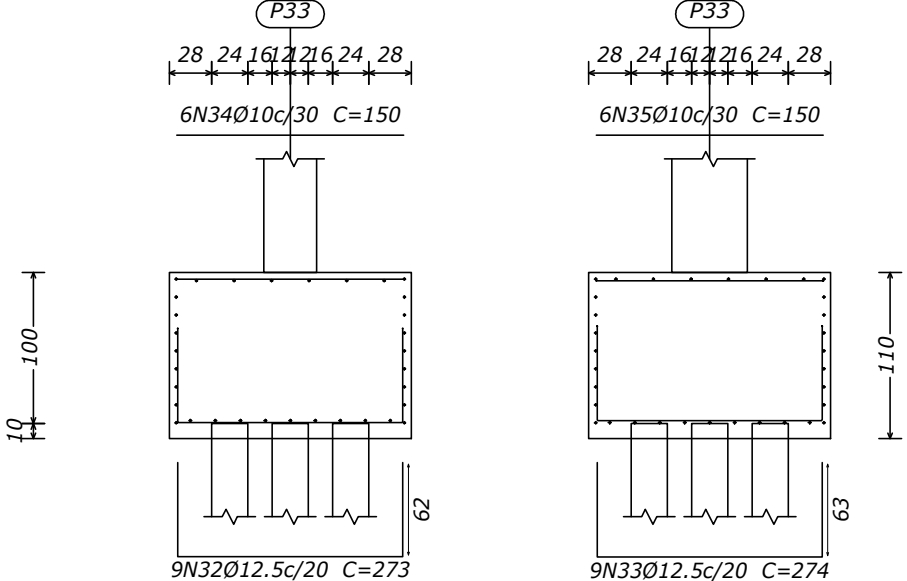


Viga paralela Y

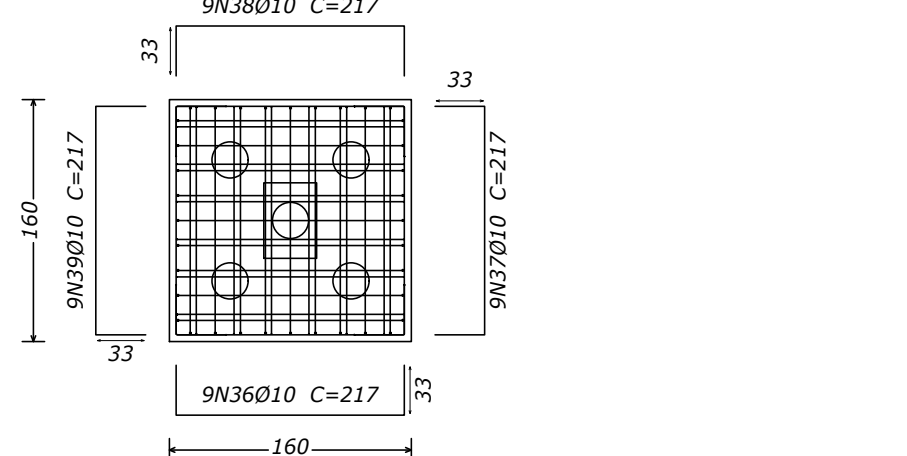


Resumo Aço Fundação			
Detalhamento	Comp. total (m)	Peso+10% (kg)	Total
CA-50	08	24.2	10
Ø10	2651.8	1798	
Ø12.5	2602.9	2758	
Ø16	154.2	268	4834
Ø4.2	33.8	4	
Ø5	167.5	29	33
Total			4867

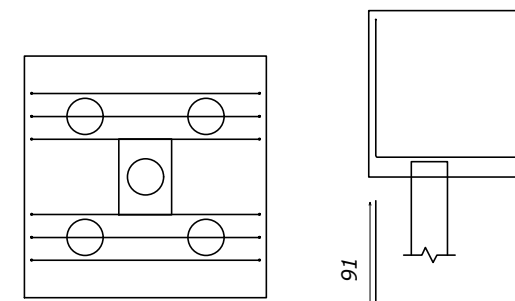
P33



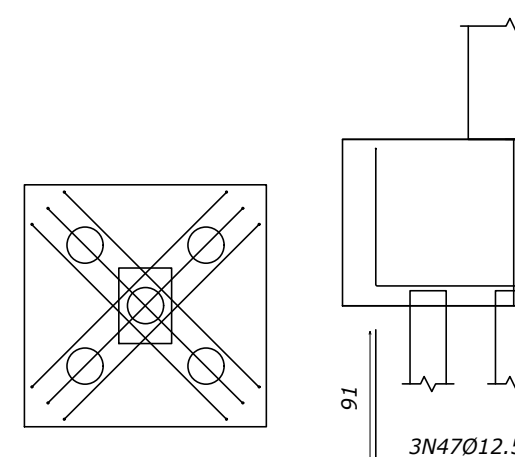
Estacas: Ø24cm 45T - 18m



Viga paralela X



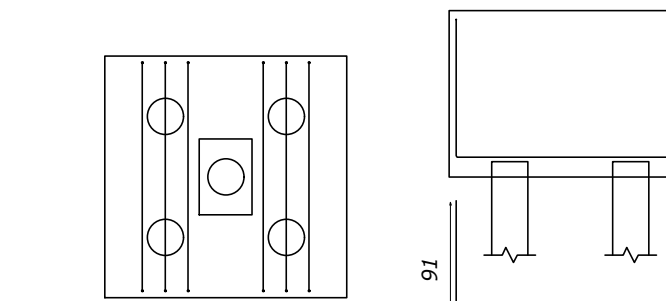
Viga diagonal



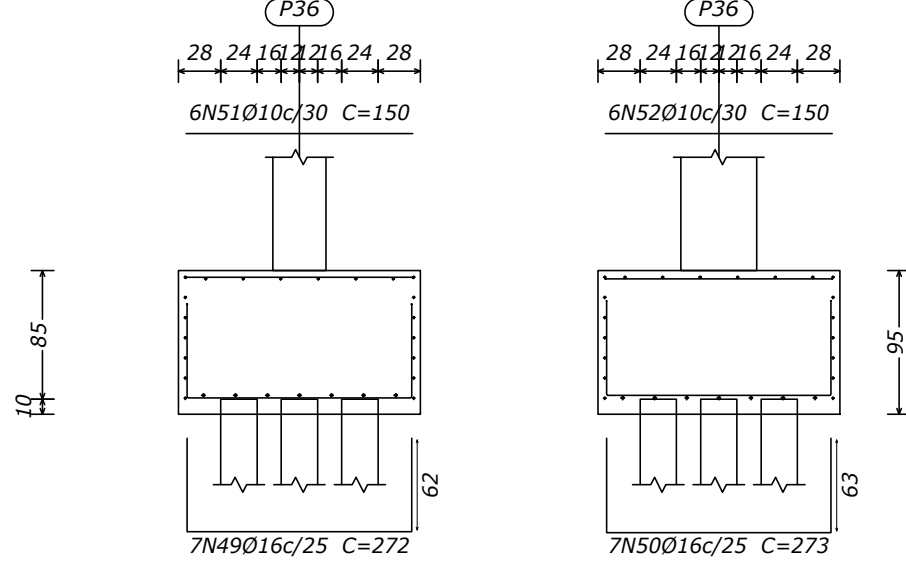
P33



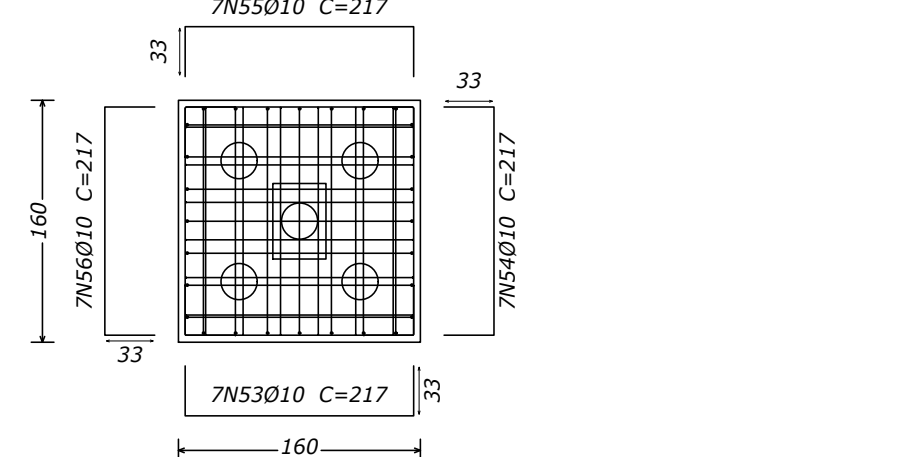
Viga paralela Y



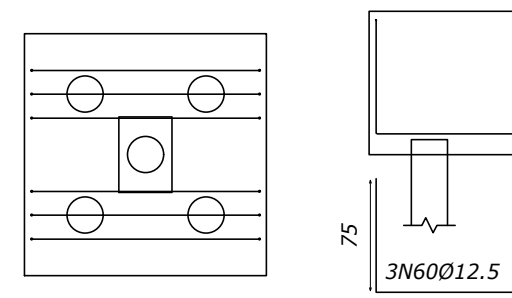
P36



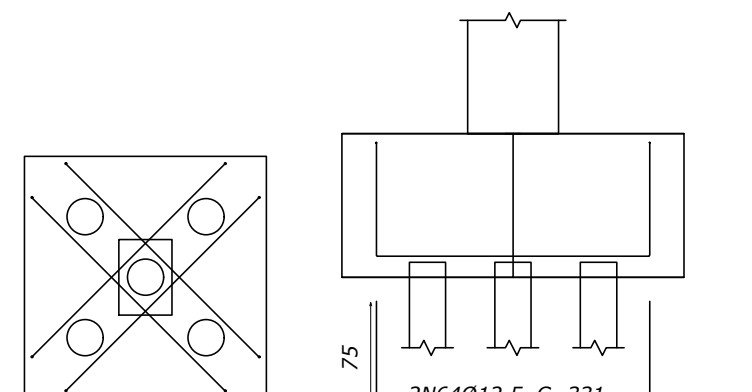
Estacas: Ø24cm 45T - 18m



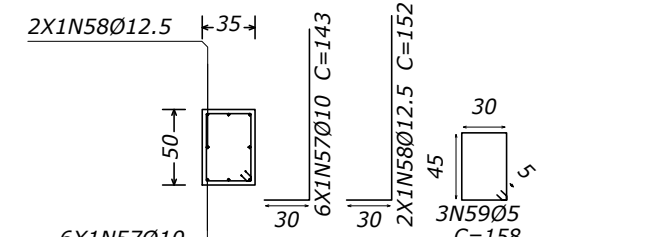
Viga paralela X



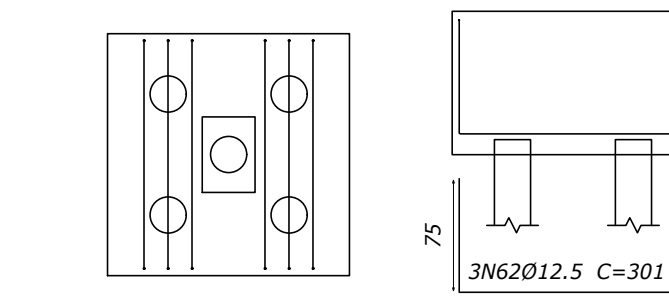
Viga diagonal



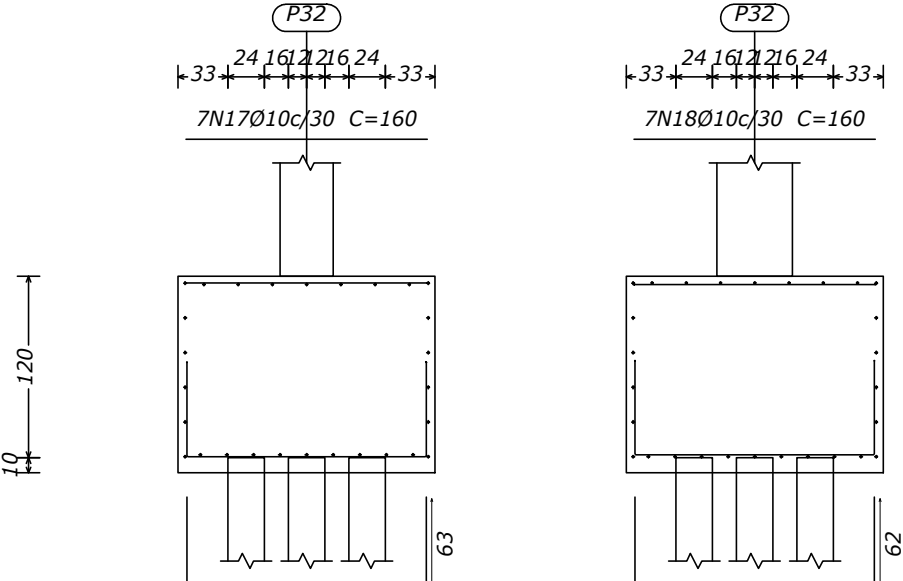
P36



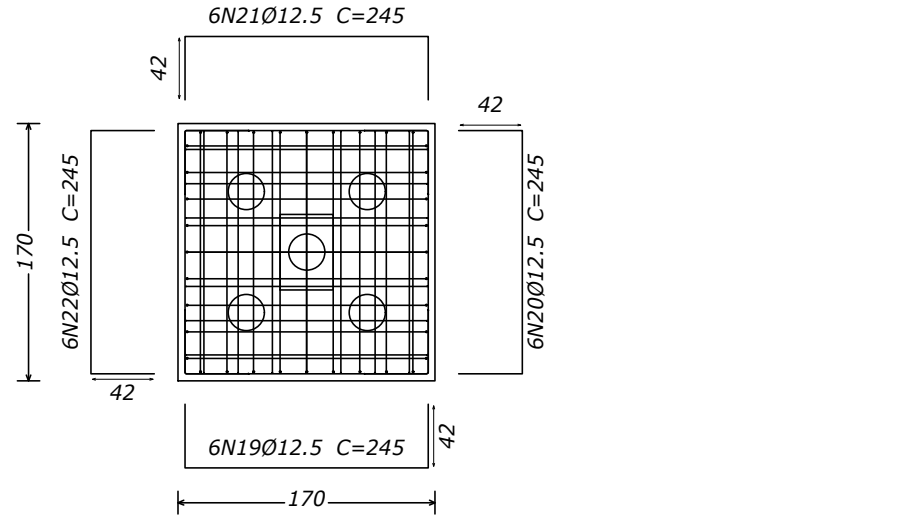
Viga paralela Y



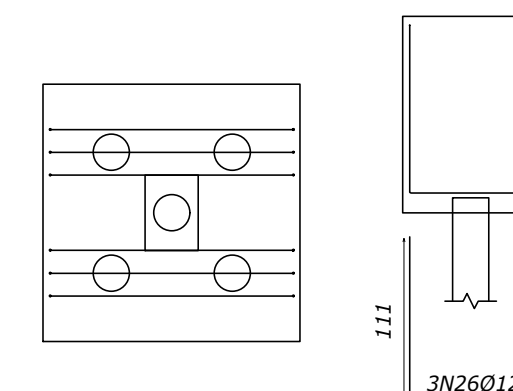
P32



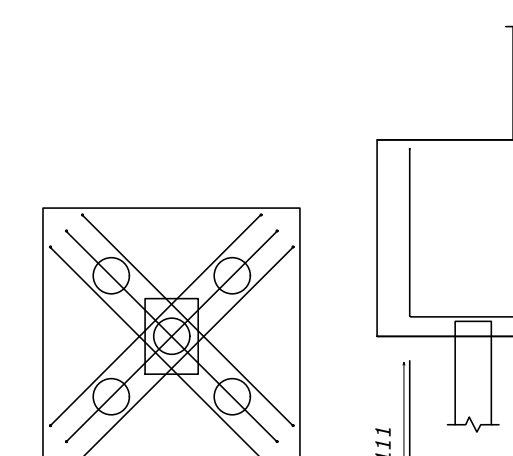
Estacas: Ø24cm 45T - 18m



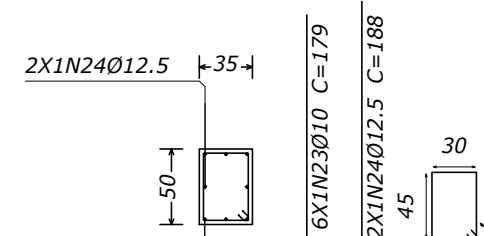
Viga paralela X



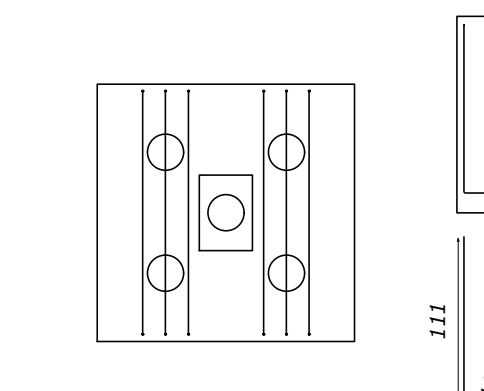
Viga diagonal



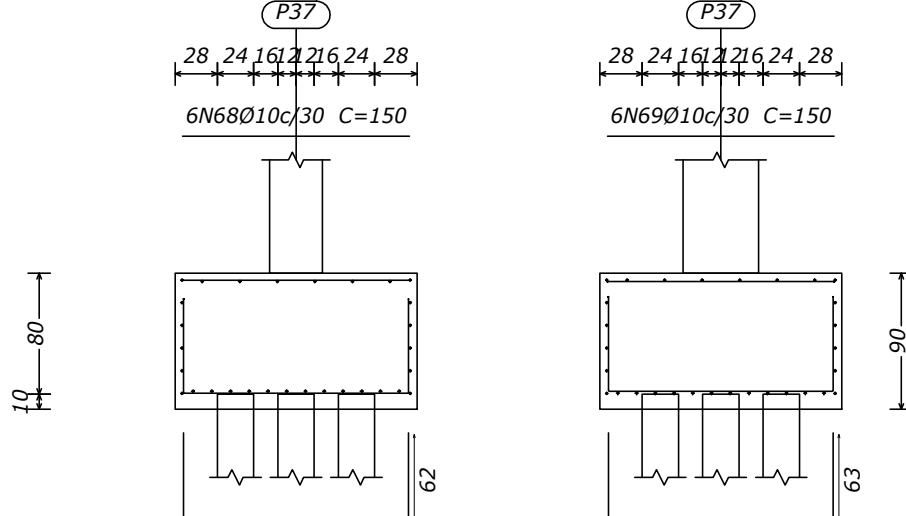
P32



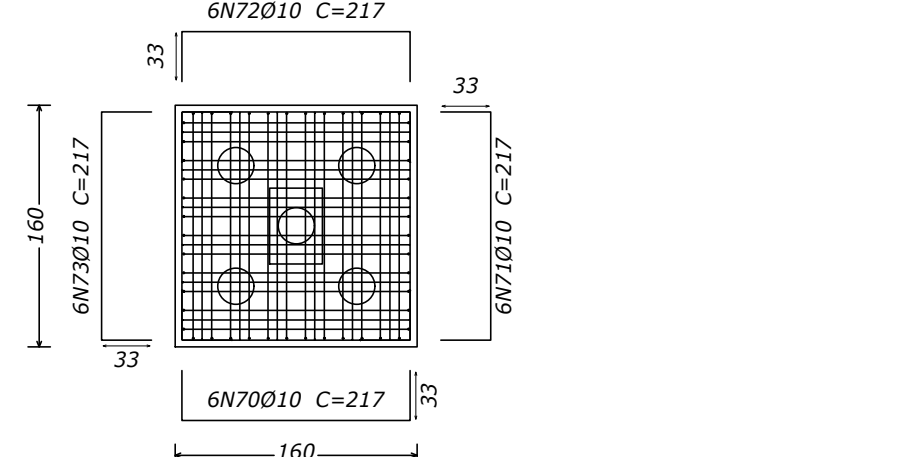
Viga paralela Y



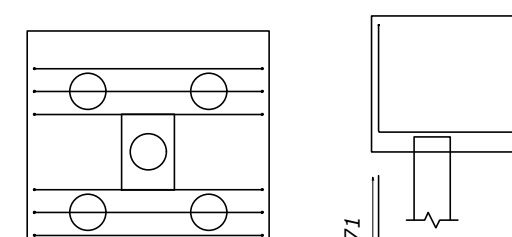
P37



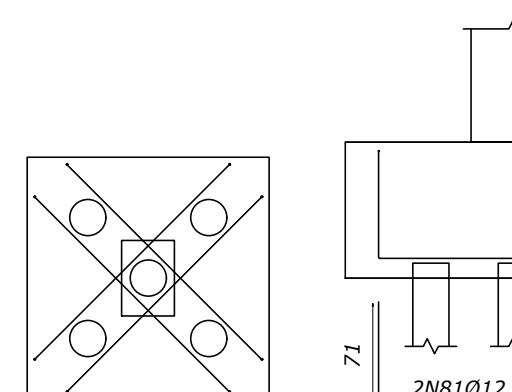
Estacas: Ø24cm 45T - 18m



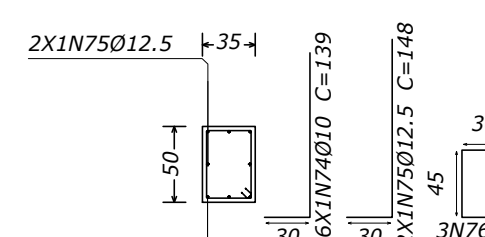
Viga paralela X



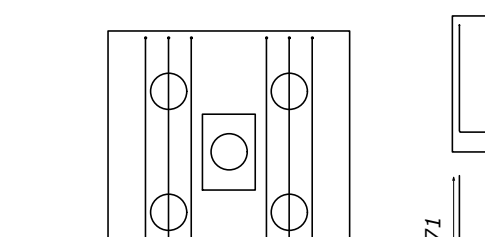
Viga diagonal



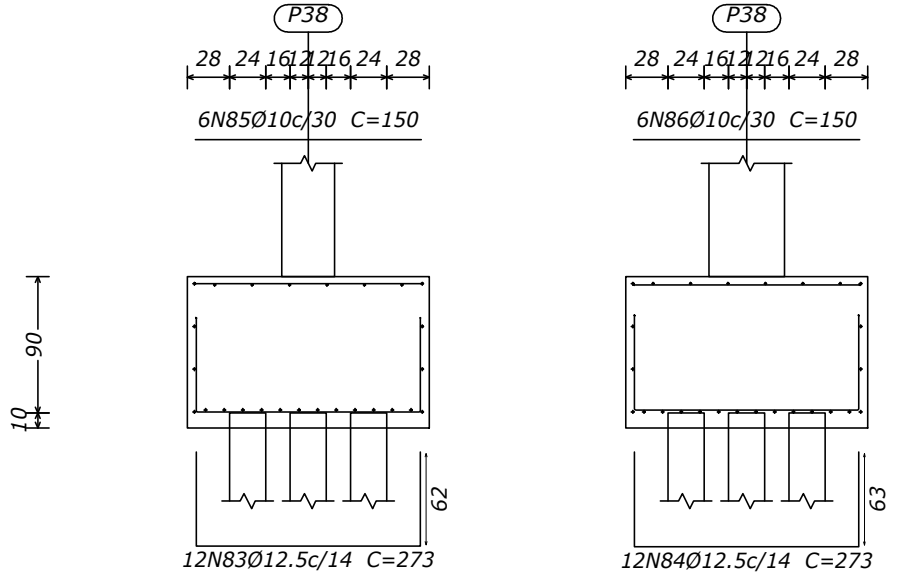
P37



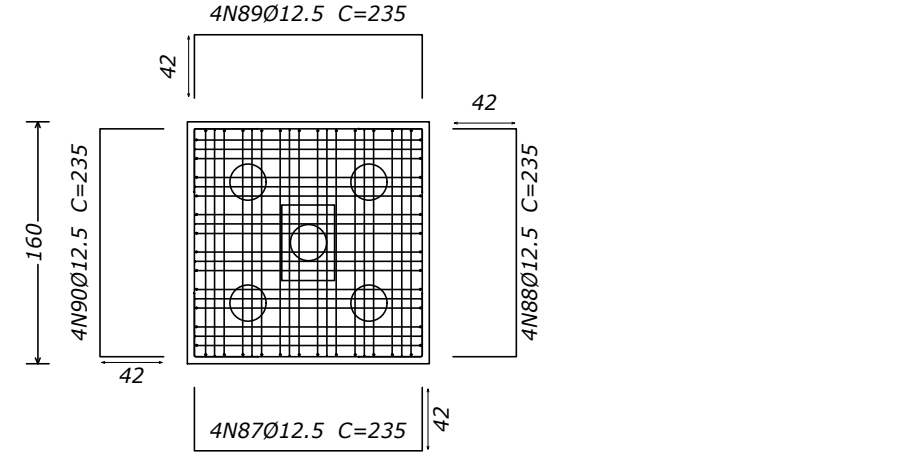
Viga paralela Y



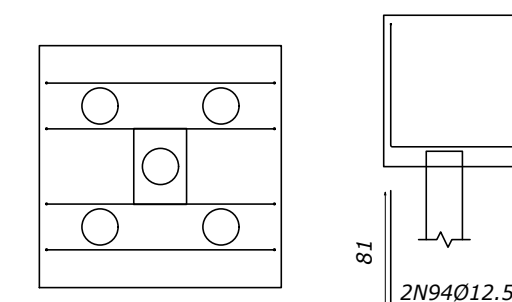
P38



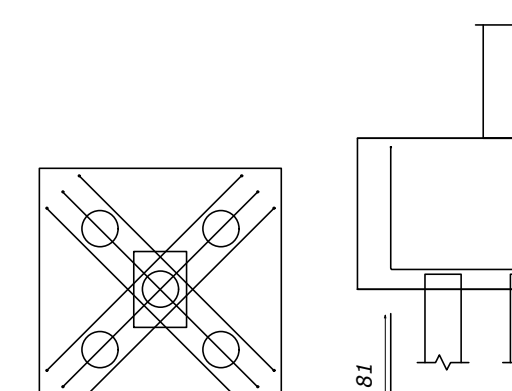
Estacas: Ø24cm 45T - 18m



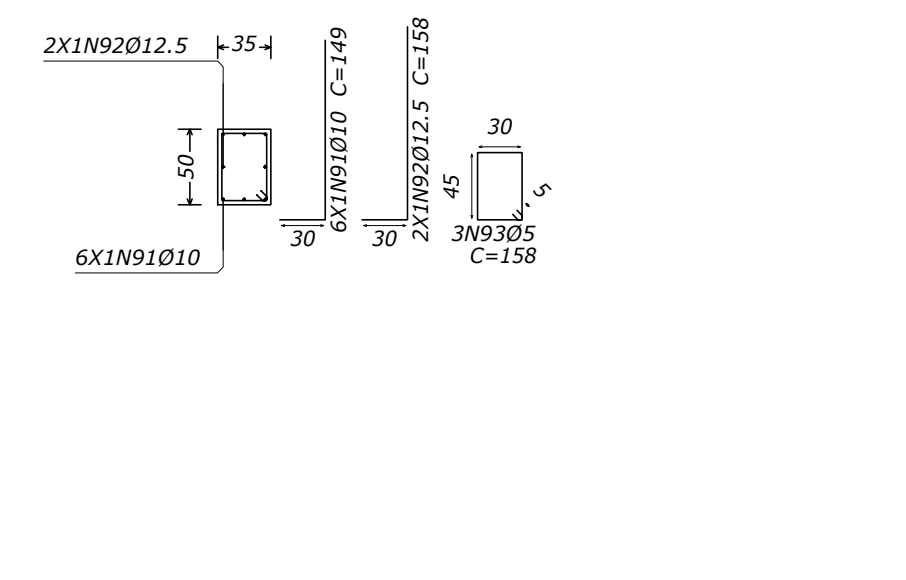
Viga paralela X



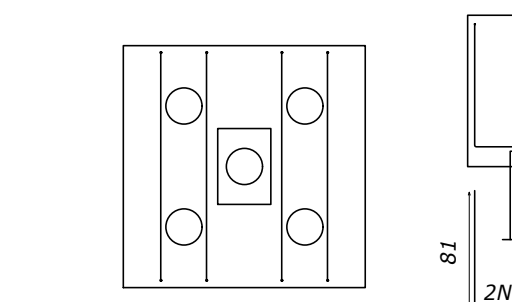
Viga diagonal



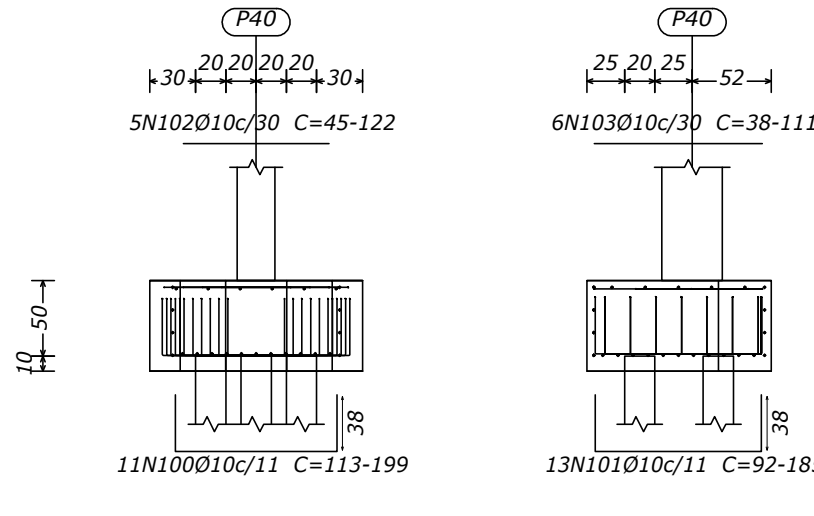
P38



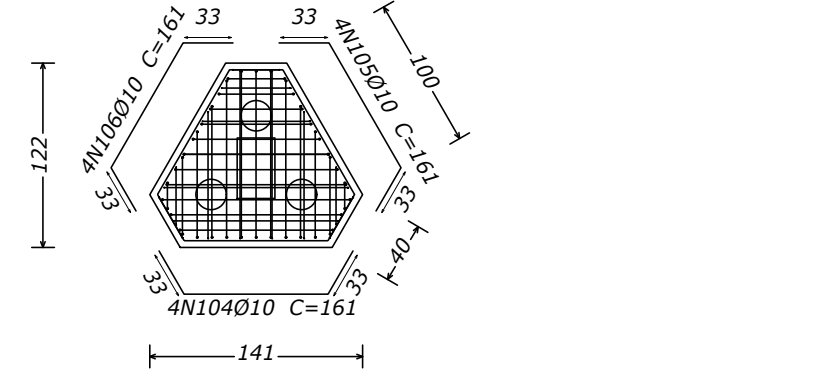
Viga paralela Y



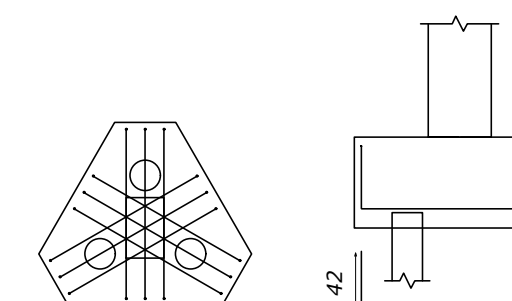
P40



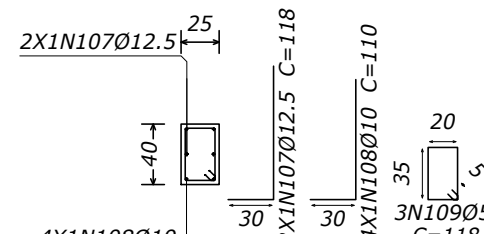
Estacas: Ø20CM 22T - 12m



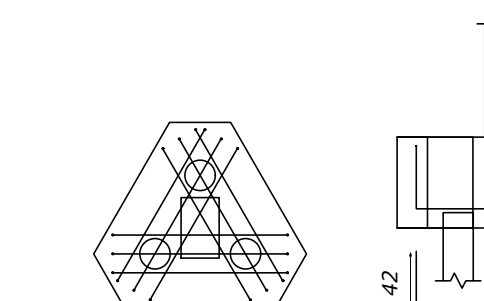
Viga intermediária



P40



Viga lateral



Elemento	Pos.	Diam.	Q	Dob.	Reta	Dob.	Comp.	Total	CA-50	CA-60
P31	1	Ø12.5	7	47	119	47	213	1491	14.4	
	2	Ø10	12	48	118	48	214	1491	14.4	
	3	Ø10	5	120	120	120	600	3.7		
	4	Ø10	5	120	120	120	600	3.7		
	5	Ø10	5	33	121	33	187	935	5.8	
	6	Ø10	5	33	121	33	187	935	5.8	
	7	Ø10	5	33	121	33	187	935	5.8	
	8	Ø10	5	33	121	33	187	935	5.8	
	9	Ø10	10	30	99	129	1290	7.9		
	10	Ø5	3	118	118	354				0.6
	11	Ø12.5	4	61	121	61	243	972	9.4	
	12	Ø12.5	4	61	121	61	243	972	9.4	
	13	Ø12.5	4	61	121	61	243	972	9.4	
	14	Ø12.5	4	61	121	61	243	972	9.4	
Total+10%:									116.9	0.7
P32	15	Ø12.5	9	63	157	63	283	2547	24.5	
	16	Ø12.5	9	62	159	62	283	2547	24.5	
	17	Ø10	7	160	160	160	1120	6.9		
	18	Ø10	7	160	160	160	1120	6.9		
	19	Ø12.5	6	42	161	42	245	1470	14.2	
	20	Ø12.5	6	42	161	42	245	1470	14.2	
	21	Ø12.5	6	42	161	42	245	1470	14.2	
	22	Ø12.5	6	42	161	42	245	1470	14.2	
	23	Ø10	6	30	149	179	1074	6.6		
	24	Ø12.5	2	30	158	188	376	3.6		
	25	Ø5	3	111	158	158	474			0.7
	26	Ø12.5	3	111	160	111	382	1146	11.0	
	27	Ø12.5	3	111	160	111	382	1146	11.0	
	28	Ø12.5	3	111	160	111	382	1146	11.0	
Total+10%:									208.1	0.8
P33	32	Ø12.5	9	62	149	62	273	2457	23.7	
	33	Ø12.5	9	63	148	63	274	2460	23.8	
	34	Ø10	6	150	150	150	900	5.5		
	35	Ø10	6	150	150	150	900	5.5		
	36	Ø10	9	33	151	33	217	1513	12.0	
	37	Ø10	9	33	151	33	217	1513	12.0	
	38	Ø10	9	33	151	33	217	1513	12.0	
	39	Ø10	9	33	151	33	217	1513	12.0	
	40	Ø10	6	30	129	159	954	5.9		
	41	Ø12.5	3	30	138	168	336	3.2		
	42	Ø5	3	158	158	158	474			0.7
	43	Ø12.5	3	91	150	91	332	996	9.6	
	44	Ø12.5	3	91	150	91	332	996	9.6	
	45	Ø12.5	3	91	150	91	332	996	9.6	
Total+10%:									192.5	0.8
P36	49	Ø16	7	62	148	62	272	1904	30.1	
	50	Ø16	7	63	147	63	273	1911	30.2	
	51	Ø10	6	150	150	150	900	5.5		
	52	Ø10	6	150	150	150	900	5.5		
	53	Ø10	7	33	151	33	217	1519	9.4	
	54	Ø10	7	33	151	33	217	1519	9.4	
	55	Ø10	7	33	151	33	217	1519	9.4	
	56	Ø10	6	30	113	143	858	5.3		
Total+10%:									179.2	0.7
P37	66	Ø12.5	12	63	149	62	273	3276	31.6	
	67	Ø12.5	12	62	148	63	274	3288	31.7	
	68	Ø10	6	150	150	150	900	5.5		
	69	Ø10	6	150	150	150	900	5.5		
	70	Ø10	6	33	151	33	217	1302	8.0	
	71	Ø10	6	33	151	33	217	1302	8.0	
	72	Ø10	6	33	151	33	217	1302	8.0	
	73	Ø10	6	33	151	33	217	1302	8.0	
	74	Ø10	6	30	109	139	834	5.1		
	75	Ø12.5	2	30	118	148	296	2.9		
	76	Ø5	3	158	158	158	474			0.7
	77	Ø12.5	3	71	150	71	292	876	8.4	
	78	Ø12.5	3	71	150	71	292	876	8.4	
	79	Ø12.5	3	71	150	71	292	876	8.4	
Total+10%:									176.3	0.8
P38	83	Ø12.5	12	63	149	62	273	3276	31.6	
	84	Ø12.5	12	63	147	63	273	3276	31.6	
	85	Ø10	6	150	150	150	900	5.5		
	86	Ø10	6	150	150	150	900	5.5		
	87	Ø12.5	4	42	151	42	235	940	9.0	
	88	Ø12.5	4	42	151	42	235	940	9.0	
	89	Ø12.5	4	42	151	42	235	940	9.0	
	90	Ø12.5	4	42	151	42	235	940	9.0	
	91	Ø10	6	30	119	149	894	5.5		
	92	Ø12.5	2	30	128	158	316	3.0		
	93	Ø5	3	158	158	158	474			0.7
	94	Ø12.5	2	81	150	81	312	624	6.0	
	95	Ø12.5	2	81	150	81	312	624	6.0	
	96	Ø12.5	2	81	150	81	312	624	6.0	
Total+10%:									179.2	0.8
P40	100	Ø10	11	VAR.	VAR.	VAR.	1793	110.0		
	101	Ø10	11	VAR.	VAR.	VAR.	1821	112.0		
	102	Ø10	5	VAR.	VAR.	VAR.	445	2.7		
	103	Ø10	16	VAR.	VAR.	VAR.	460	2.9		
	104	Ø10	4	33	95	33	161	644	4.0	
	105	Ø10	4	33	95	33	161	644	4.0	
	106	Ø10	4	33	95	33	161	644	4.0	
	107	Ø12.5	2	30	88	118	236	2.3		
	108	Ø10	4	30	80	110	440	2.7		0.6
	109	Ø5	3	118	118	354				
	110	Ø10	3	42	111	42	195	585	3.6	
	111	Ø10	3	42	111	42	195	585	3.6	
	112	Ø10	3	42	111	42	195	585	3.6	
	113	Ø10	3	42	111	42	199	597	3.7	
Total+10%:									74.4	0.7
85:									272.7	0.0
Ø10:									188.6	0.0
Ø12.5:									66.2	0.0
Ø16:									112.8	5.4