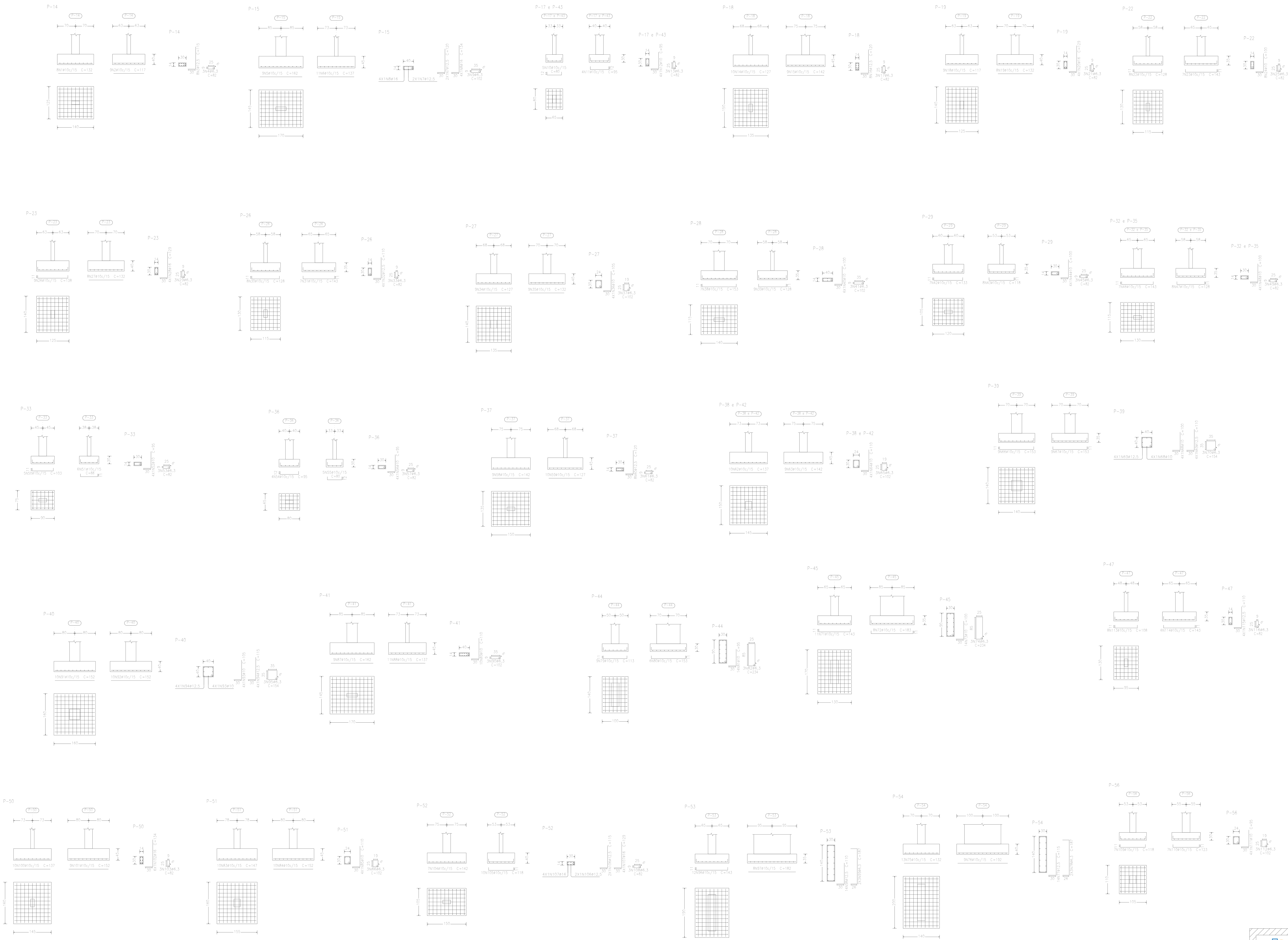

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
P-14	1	ø10	8		132		132	1056	6.5	
	2	ø10	9		117		117	1053	6.5	
	3	ø12.5	8	30	85		115	920	8.9	
	4	ø6.3	3		82		82	246	0.6	
								Total+10%:	24.8	
P-15	5	ø10	9		162		162	1458	9.0	
	6	ø10	11		137		137	1507	9.3	
	7	ø12.5	2	30	90		120	240	2.3	
	8	ø16	4	30	104		134	536	8.5	
	9	ø6.3	3		102		102	306	0.7	
								Total+10%:	32.8	
P-17=P-43	10	ø10	5	12	56	12	80	400	2.5	
	11	ø10	4	12	71	12	95	380	2.3	
	12	ø10	4	30	65		95	380	2.3	
	13	ø6.3	3		82		82	246	0.6	
								Total+10%:	8.5	
								(x2):	17.0	
P-18	14	ø10	10		127		127	1270	7.8	
	15	ø10	9		142		142	1278	7.9	
	16	ø12.5	8	30	90		120	960	9.2	
	17	ø6.3	3		82		82	246	0.6	
								Total+10%:	28.1	
P-19	18	ø10	9		117		117	1053	6.5	
	19	ø10	8		132		132	1056	6.5	
	20	ø16	4	30	99		129	516	8.1	
	21	ø6.3	3		82		82	246	0.6	
								Total+10%:	23.9	
P-22	22	ø10	8	11	106	11	128	1024	6.3	
	23	ø10	7	11	121	11	143	1001	6.2	
	24	ø10	8	30	70		100	800	4.9	
	25	ø6.3	3		82		82	246	0.6	
								Total+10%:	19.8	
P-23	26	ø10	9	11	116	11	138	1242	7.7	
	27	ø10	8		132		132	1056	6.5	
	28	ø16	4	30	99		129	516	8.1	
	29	ø6.3	3		82		82	246	0.6	
								Total+10%:	25.2	
P-26	30	ø10	8	11	106	11	128	1024	6.3	
	31	ø10	7	11	121	11	143	1001	6.2	
	32	ø12.5	4	30	80		110	440	4.2	
	33	ø6.3	3		82		82	246	0.6	
								Total+10%:	19.0	
P-27	34	ø10	9		127		127	1143	7.0	
	35	ø10	9		132		132	1188	7.3	
	36	ø10	4	30	75		105	420	2.6	
	37	ø6.3	3		102		102	306	0.7	
								Total+10%:	19.4	
P-28	38	ø10	7	11	131	11	153	1071	6.6	
	39	ø10	9	11	106	11	128	1152	7.1	
	40	ø10	6	30	70		100	600	3.7	
	41	ø6.3	3		102		102	306	0.7	
								Total+10%:	19.9	
P-29	42	ø10	7	11	111	11	133	931	5.7	
	43	ø10	8	11	96	11	118	944	5.8	
	44	ø10	4	30	70		100	400	2.5	
	45	ø6.3	3		82		82	246	0.6	
								Total+10%:	16.1	
P-32=P-35	46	ø10	7	11	121	11	143	1001	6.2	
	47	ø10	8	11	106	11	128	1024	6.3	
	48	ø10	4	30	70		100	400	2.5	
	49	ø6.3	3		82		82	246	0.6	
								Total+10%:	17.2	
								(x2):	34.4	
P-33	50	ø10	5	11	81	11	103	515	3.2	
	51	ø10	6	11	66	11	88	528	3.3	
	52	ø10	4	30	65		95	380	2.3	
	53	ø6.3	3		82		82	246	0.6	
								Total+10%:	10.3	
P-36	54	ø10	4	12	71	12	95	380	2.3	
	55	ø10	5	12	56	12	80	400	2.5	
	56	ø10	4	30	65		95	380	2.3	
	57	ø6.3	3		82		82	246	0.6	
								Total+10%:	8.5	
P-37	58	ø10	9		142		142	1278	7.9	
	59	ø10	10		127		127	1270	7.8	
	60	ø12.5	8	30	90		120	960	9.2	
	61	ø6.3	3		82		82	246	0.6	
								Total+10%:	28.1	
P-38=P-42	62	ø10	10		137		137	1370	8.4	
	63	ø10	9		142		142	1278	7.9	
	64	ø10	4	30	80		110	440	2.7	
	65	ø6.3	3		102		102	306	0.7	
								Total+10%:	21.7	
								(x2):	43.4	
P-39	66	ø10	9	11	131	11	153	1377	8.5	
	67	ø10	9	11	131	11	153	1377	8.5	
	68	ø10	4	30	70		100	400	2.5	
	69	ø12.5	4	30	80		110	440	4.2	
	70	ø6.3	3		154		154	462	1.1	
								Total+10%:	27.3	
P-45	71	ø10	11	11	121	11	143	1573	9.7	
	72	ø10	8	11	161	11	183	1464	9.0	
	73	ø10	14	30	70		100	1400	8.6	
	74	ø6.3	3		234		234	702	1.7	
								Total+10%:	31.9	
P-54	75	ø10	13		132		132	1716	10.6	
	76	ø10	9		192		192	1728	10.6	
	77	ø12.5	14	30	85		115	1610	15.5	
	78	ø6.3	6	26	135	26	187	1122	2.7	
								Total+10%:	43.3	
P-44	79	ø10	9	11	91	11	113	1017	6.3	
	80	ø10	6	11	131	11	153	918	5.7	
	81	ø10	14	30	65		95	1330	8.2	
	82	ø6.3	3		234		234	702	1.7	
								Total+10%:	24.1	
P-51	83	ø10	10		147		147	1470	9.1	
	84	ø10	10		152		152	1520	9.4	
	85	ø10	4	30	80		110	440	2.7	
	86	ø6.3	3		102		102	306	0.7	
								Total+10%:	24.1	
P-41	87	ø10	9		162		162	1458	9.0	
	88	ø10	11		137		137	1507	9.3	
	89	ø10	10	30	80		110	1100	6.8	
	90	ø6.3	3		102		102	306	0.7	
								Total+10%:	28.4	
P-40	91	ø10	10		152		152	1520	9.4	
	92	ø10	10		152		152	1520	9.4	
	93	ø10	4	30	75		105	420	2.6	
	94	ø12.5	4	30	85		115	460	4.4	
	95	ø6.3	3		154		154	462	1.1	
								Total+10%:	29.6	
P-53	96	ø10	12	11	121	11	143	1716	10.6	
	97	ø10	8		182		182	1456	9.0	
	98	ø12.5	14	30	80		110	1540	14.8	
	99	ø6.3	6	26	135	26	187	1122	2.7	
								Total+10%:	40.8	
P-50	100	ø10	10		137		137	1370	8.4	
	101	ø10	9		152		152	1368	8.4	
	102	ø16	6	30	104		134	804	12.7	
	103	ø6.3	3		82		82	246	0.6	
								Total+10%:	33.1	
P-52	104	ø10	7		142		142	994	6.1	
	105	ø10	10	11	96	11	118	1180	7.3	
	106	ø12.5	2	30	85		115	230	2.2	
	107	ø16	4	30	99		129	516	8.1	
	108	ø6.3	3		82		82	246	0.6	
								Total+10%:	26.7	
P-56	109	ø10	7	11	96	11	118	826	5.1	
	110	ø10	7	11	101	11	123	861	5.3	
	111	ø10	4	30	65		95	380	2.3	
	112	ø6.3	3		102		102	306	0.7	
								Total+10%:	14.7	
P-47	113	ø10	8	11	86	11	108	864	5.3	
	114	ø10	6	11	121	11	143	858	5.3	
	115	ø12.5	4	30	80		110	440	4.2	
	116	ø6.3	3		82		82	246	0.6	
								Total+10%:	16.9	
								ø6.3:	29.8	0.0
								ø10:	544.7	0.0
								ø12.5:	87.1	0.0
								ø16:	50.0	0.0
								Total:	711.6	0.0

Resumo Aço Fundação Detalhamento fundação		Comp. total (m)	Peso+10% (kg)	Total
CA-50	ø6.3	159.3	43	
	ø10	1193.2	809	
	ø12.5	91.6	97	
	ø16	28.9	50	999

PROJETO ESTRUTURAL

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CONTEM:

Continuação de detalhes Sapatas;

FOLHA 2/24

OBRA:

Sede Administrativa do Município de Serra Azul de Minas – MG

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