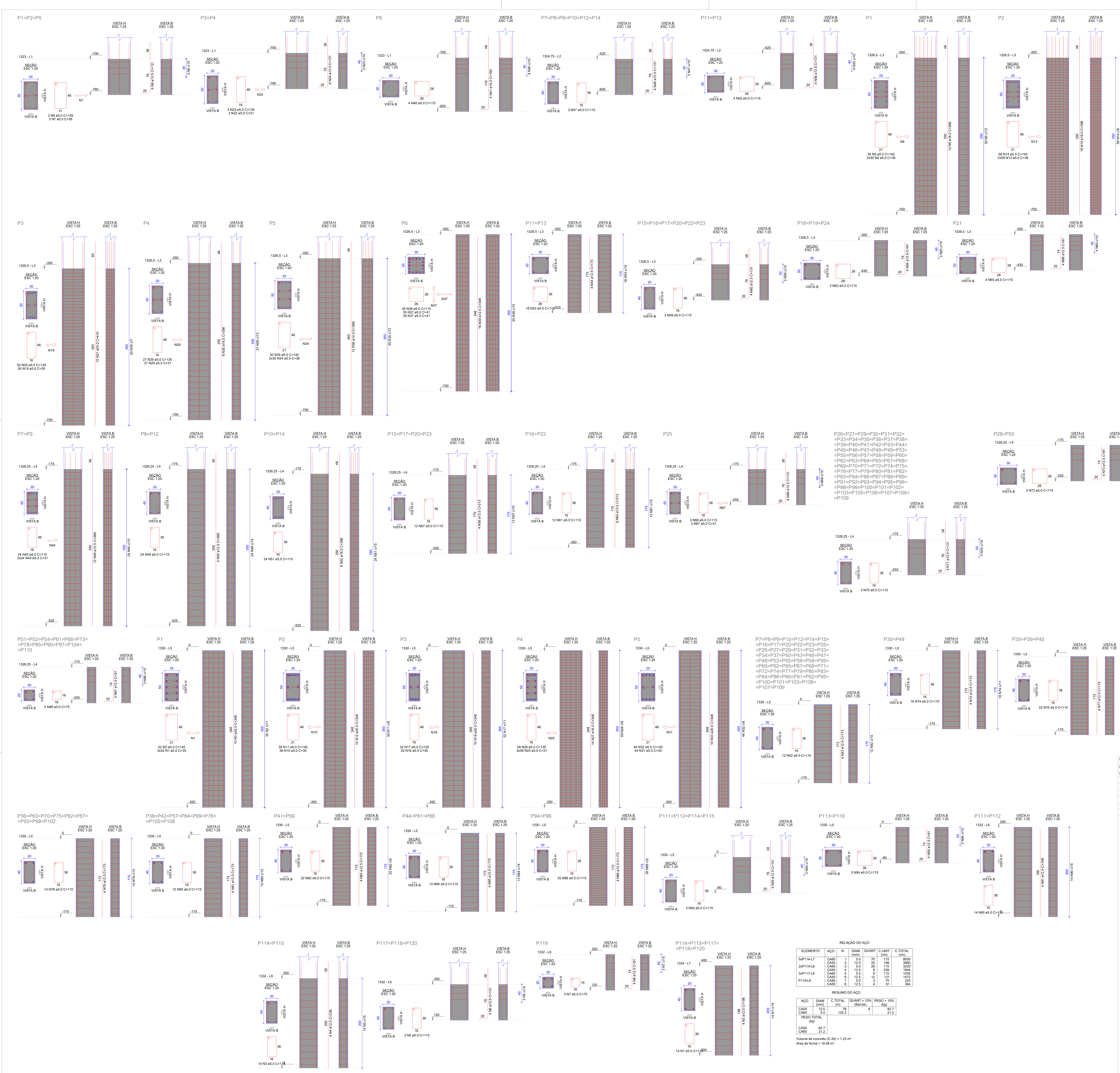




RELAÇÃO DO AÇO									
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C UNIT (cm)	C TOTAL (cm)			
P1-L5	CABO	1	5,0	96	25	3360			
P1-L5	CABO	3	20,0	10	348	3480			
P1-L5	CABO	4	5,0	30	145	4350			
3xP1-L1	CABO	8	5,0	9	388	3492			
3xP1-L1	CABO	7	5,0	9	36	324			
P2-L5	CABO	11	5,0	18	131	2358			
P2-L5	CABO	12	20,0	12	348	4176			
P2-L5	CABO	14	5,0	59	145	8550			
P3-L5	CABO	16	5,0	32	30	960			
P3-L5	CABO	18	20,0	10	348	3480			
P3-L5	CABO	20	5,0	50	131	6550			
2xP3-L1	CABO	22	20,0	10	410	4100			
2xP3-L1	CABO	23	5,0	6	135	810			
P4-L5	CABO	25	5,0	177	31	5487			
P4-L5	CABO	26	5,0	16	348	5568			
P4-L5	CABO	27	16,0	14	348	4872			
P4-L5	CABO	28	5,0	27	135	3645			
P5-L5	CABO	30	16,0	8	398	2388			
P5-L5	CABO	31	5,0	44	145	6380			
P5-L5	CABO	32	5,0	30	145	4350			
P5-L5	CABO	34	5,0	80	36	2880			
P5-L5	CABO	37	5,0	12	398	4776			
P6-L5	CABO	38	5,0	36	115	4140			
P6-L5	CABO	39	12,5	16	348	5568			
P6-L5	CABO	40	5,0	4	115	460			
55xP7-L5	CABO	42	5,0	880	115	100800			
55xP7-L5	CABO	43	12,5	200	173	34600			
2xP7-L4	CABO	44	5,0	115	115	13225			
2xP7-L4	CABO	45	5,0	48	115	5520			
2xP7-L4	CABO	46	12,5	34	131	4554			
2xP7-L4	CABO	47	5,0	18	115	2070			
2xP7-L4	CABO	50	5,0	8	388	3104			
2xP8-L4	CABO	48	5,0	48	115	5520			
2xP8-L4	CABO	51	5,0	48	115	5520			
2xP8-L4	CABO	52	16,0	36	398	6384			
2xP8-L4	CABO	53	5,0	36	115	4140			
2xP8-L4	CABO	54	12,5	8	173	1384			
2xP8-L4	CABO	55	5,0	27	135	3645			
2xP8-L4	CABO	56	5,0	48	115	5520			
2xP8-L4	CABO	57	5,0	48	115	5520			
2xP8-L4	CABO	58	12,5	16	213	3408			
2xP8-L4	CABO	59	5,0	24	131	3144			
2xP8-L4	CABO	60	12,5	24	131	3144			
2xP8-L4	CABO	61	5,0	115	115	13225			
2xP8-L4	CABO	62	12,5	12	213	2556			
2xP8-L4	CABO	63	5,0	9	115	1035			
2xP8-L4	CABO	64	5,0	12	91	1092			
2xP8-L4	CABO	65	5,0	4	115	460			
2xP8-L4	CABO	66	12,5	3	91	273			
2xP8-L4	CABO	67	5,0	3	91	273			
2xP8-L4	CABO	68	5,0	3	115	345			
2xP8-L4	CABO	69	12,5	6	131	786			
2xP8-L4	CABO	70	5,0	213	115	24495			
2xP8-L4	CABO	71	12,5	284	131	37204			
2xP8-L4	CABO	72	5,0	6	115	690			
2xP8-L4	CABO	73	12,5	8	91	728			
2xP8-L4	CABO	74	5,0	32	115	3680			
2xP8-L4	CABO	75	5,0	96	115	11040			
2xP8-L4	CABO	76	5,0	96	115	11040			
2xP8-L4	CABO	77	12,5	12	173	2076			
2xP8-L4	CABO	78	5,0	136	115	14400			
2xP8-L4	CABO	79	12,5	36	173	6228			
2xP8-L4	CABO	80	5,0	120	115	13800			
2xP8-L4	CABO	81	5,0	40	115	4600			
2xP8-L4	CABO	82	5,0	39	115	4455			
2xP8-L4	CABO	83	12,5	8	173	1384			
2xP8-L4	CABO	84	5,0	36	75	2700			
2xP8-L4	CABO	85	12,5	12	173	2076			
2xP8-L4	CABO	86	5,0	115	115	13225			
2xP8-L4	CABO	87	12,5	48	91	4368			
2xP8-L4	CABO	88	5,0	70	115	8050			
2xP8-L4	CABO	89	12,5	8	173	1384			
2xP8-L4	CABO	90	5,0	198	154	30396			
2xP8-L4	CABO	92	5,0	12	115	1380			
2xP8-L4	CABO	93	12,5	16	131	2096			
2xP8-L4	CABO	94	5,0	8	115	920			
2xP8-L4	CABO	95	12,5	8	91	728			

RESUMO DO AÇO				
AÇO	DIAM (mm)	C TOTAL (cm)	QUANT + 10% (bars)	PESO + 10% (kg)
CABO	12,5	1463,3	136	1571,8
CABO	16,0	202,9	25	458,4
CABO	20,0	2940,3	18	507,7
PESO TOTAL				2538
CABO	2538			950

Volume de concreto (C-35) = 22,89 m³
Área de forma = 332,79 m²