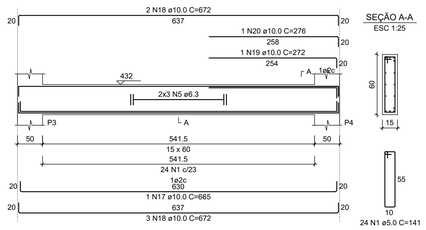
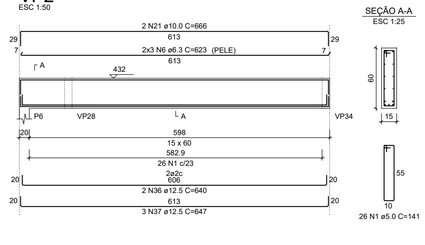
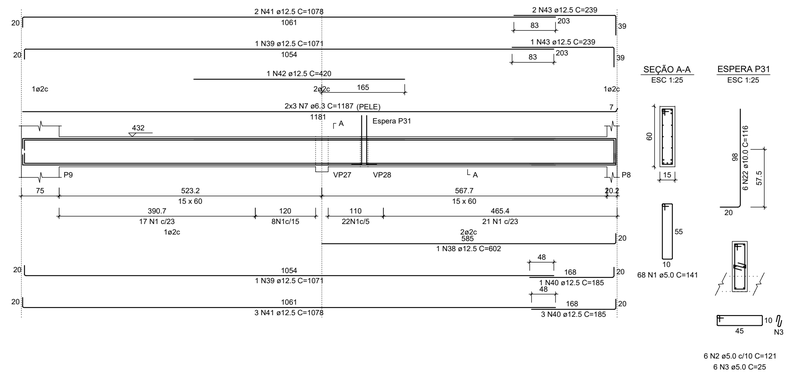
VP1
ESC 1:50



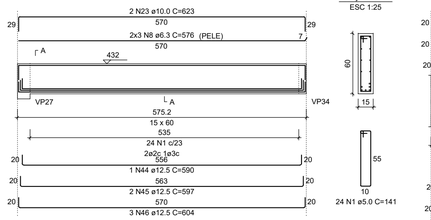
VP2
ESC 1:50



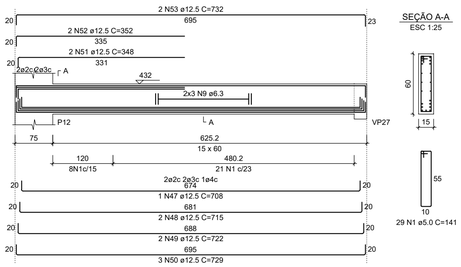
VP3
ESC 1:50



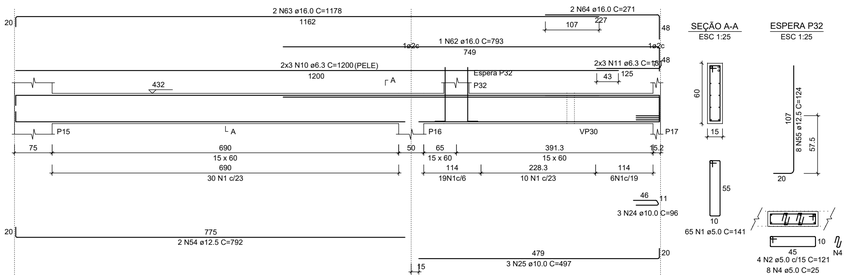
VP4
ESC 1:50



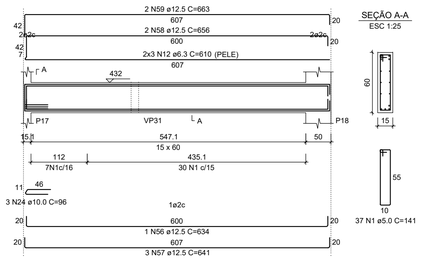
VP5
ESC 1:50



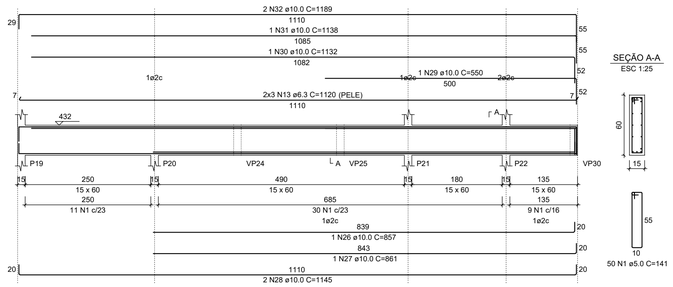
VP6
ESC 1:50



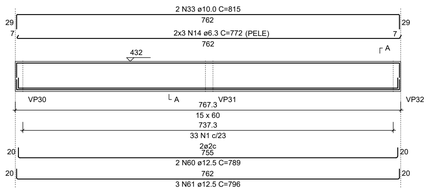
VP7
ESC 1:50



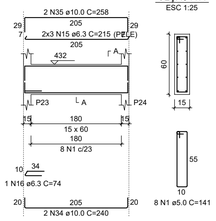
VP8
ESC 1:50



VP9
ESC 1:50



VP10
ESC 1:50



RELAÇÃO DO AÇO

VP1 VP2 VP3
VP4 VP5 VP6
VP7 VP8 VP9
VP10

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	364	141	51324
	2	5.0	10	121	1210
	3	5.0	6	25	150
	4	5.0	8	25	200
CA50	5	6.3	6	corr	3822
	6	6.3	6	623	3738
	7	6.3	6	1187	7122
	8	6.3	6	576	3456
	9	6.3	6	corr	4170
	10	6.3	6	1200	7200
	11	6.3	6	131	786
	12	6.3	6	610	3660
	13	6.3	6	1120	6720
	14	6.3	6	772	4632
	15	6.3	6	215	1290
	16	6.3	1	74	74
	17	10.0	1	665	665
	18	10.0	5	672	3360
	19	10.0	1	272	272
	20	10.0	1	276	276
	21	10.0	2	666	1332
	22	10.0	6	116	696
	23	10.0	2	623	1246
	24	10.0	6	96	576
	25	10.0	3	497	1491
	26	10.0	1	857	857
	27	10.0	1	861	861
	28	10.0	2	1145	2290
	29	10.0	1	550	550
	30	10.0	1	1132	1132
	31	10.0	1	1138	1138
	32	10.0	2	1189	2378
	33	10.0	2	815	1630
	34	10.0	2	240	480
	35	10.0	2	258	516
	36	12.5	2	640	1280
	37	12.5	3	647	1941
	38	12.5	1	602	602
	39	12.5	2	1071	2142
	40	12.5	4	185	740
	41	12.5	5	1078	5390
	42	12.5	1	420	420
	43	12.5	3	239	717
	44	12.5	1	590	590
	45	12.5	2	597	1194
	46	12.5	3	604	1812
	47	12.5	1	708	708
	48	12.5	2	715	1430
	49	12.5	2	722	1444
	50	12.5	3	729	2187
	51	12.5	2	348	696
	52	12.5	2	352	704
	53	12.5	2	732	1464
	54	12.5	2	792	1584
	55	12.5	8	124	992
	56	12.5	1	634	634
	57	12.5	3	641	1923
	58	12.5	2	656	1312
	59	12.5	2	663	1326
	60	12.5	2	789	1578
	61	12.5	3	796	2388
	62	16.0	1	793	793
	63	16.0	2	1178	2356
	64	16.0	2	271	542

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	466.7	125.6
	10.0	217.5	147.5
	12.5	372	394.2
	16.0	36.9	64.1
CA60	5.0	528.8	89.7

PESO TOTAL (kg)	
CA50	731.4
CA60	89.7

Volume de concreto (C-30) = 6.37 m³
Área de forma = 83.26 m²

PROJETO ESTRUTURAL

VIGAS PLENÁRIO

Proprietário: Câmara Municipal de Araponga	CPF / CNPJ: 05.967.206/0001-09
Responsável Técnico: Gladston Ramaldes Moreira (GLADSTON RAMALDES MOREIRA:10585835659; Assinado de forma digital por GLADSTON RAMALDES MOREIRA:10585835659 Dados: 2025.11.07 13:41:35 -03'00')	CREA: 208617/D
Finalidade: Construção de um imovél institucional	Data: Setembro / 2025
Endereço: Rua José Ernesto Kummel, SN, Centro, Araponga, Minas Gerais	CEP: 36.594-000
Desenho:	Folha: 01 / 02