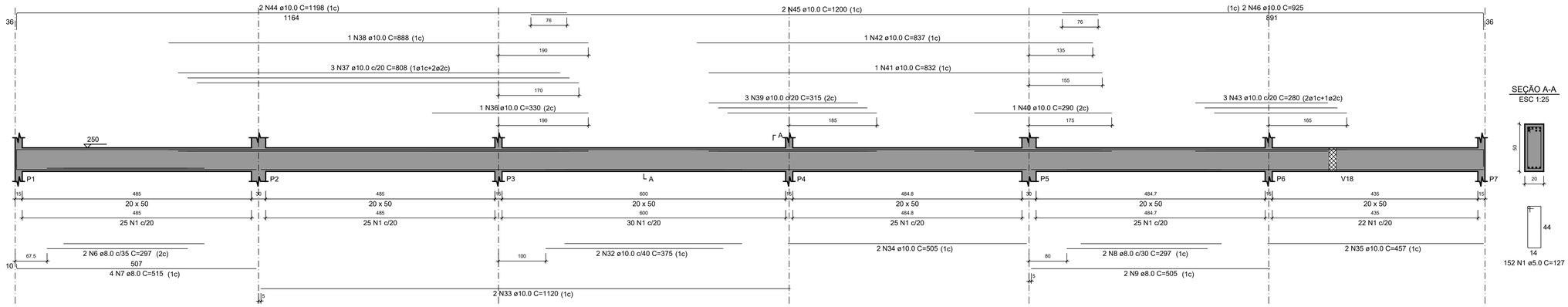
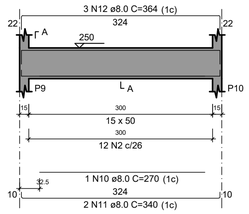
V1
ESC 1:50

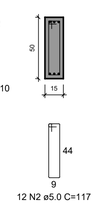


SEÇÃO A-A
ESC 1:25

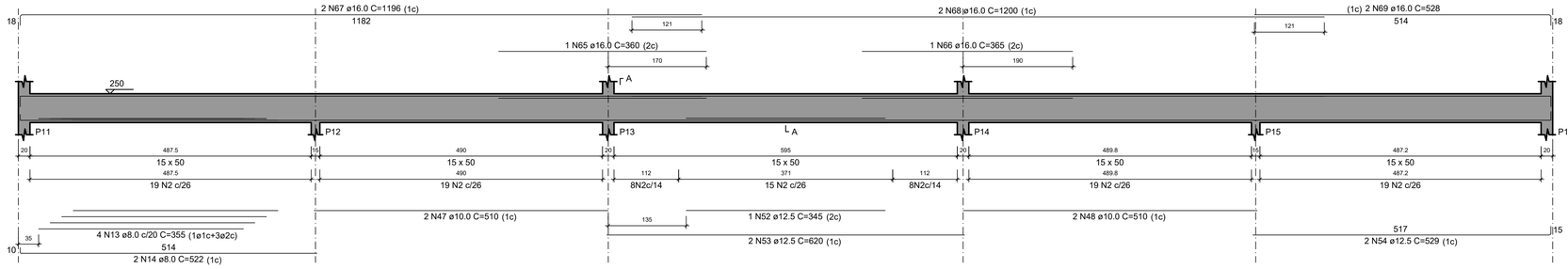
V2
ESC 1:50



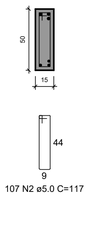
SEÇÃO A-A
ESC 1:25



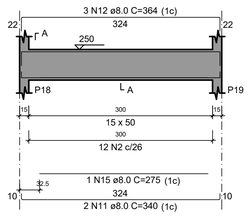
V3
ESC 1:50



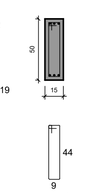
SEÇÃO A-A
ESC 1:25



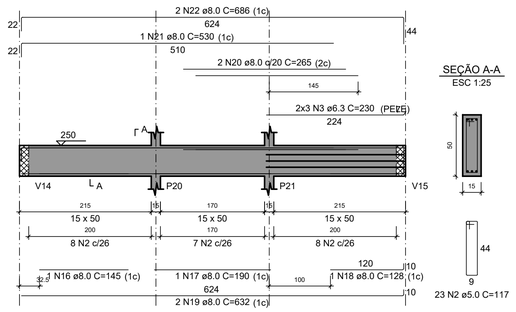
V4
ESC 1:50



SEÇÃO A-A
ESC 1:25

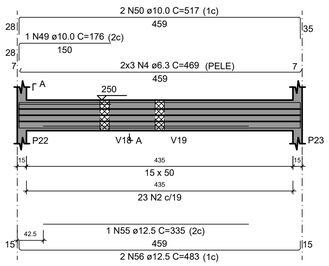


V5
ESC 1:50

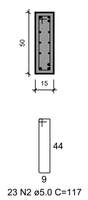


SEÇÃO A-A
ESC 1:25

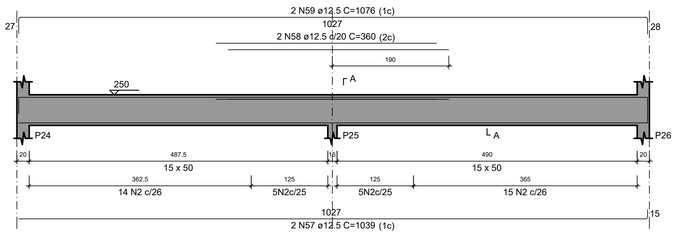
V6
ESC 1:50



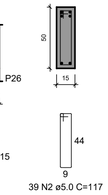
SEÇÃO A-A
ESC 1:25



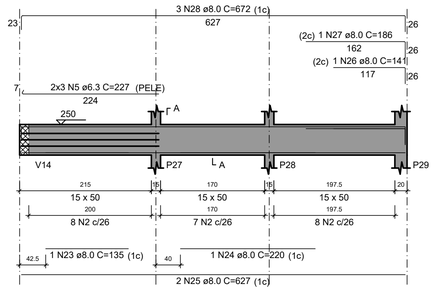
V7
ESC 1:50



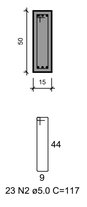
SEÇÃO A-A
ESC 1:25



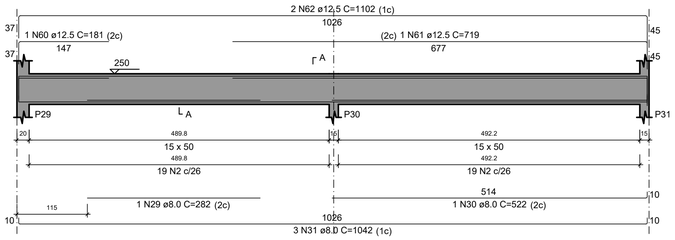
V8
ESC 1:50



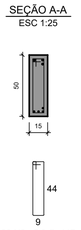
SEÇÃO A-A
ESC 1:25



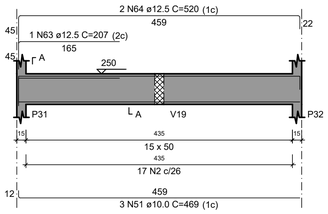
V9
ESC 1:50



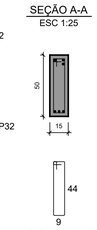
SEÇÃO A-A
ESC 1:25



V10
ESC 1:50



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO

V1 V2 V3
V4 V5 V6
V7 V8 V9
V10

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	152	127	19304
	2	5.0	294	117	34398
CA50	3	6.3	6	230	1380
	4	6.3	6	469	2814
	5	6.3	6	227	1362
	6	8.0	2	297	594
	7	8.0	4	515	2060
	8	8.0	2	297	594
	9	8.0	2	505	1010
	10	8.0	1	270	270
	11	8.0	4	340	1360
	12	8.0	6	364	2184
	13	8.0	4	355	1420
	14	8.0	2	522	1044
	15	8.0	1	275	275
	16	8.0	1	145	145
	17	8.0	1	190	190
	18	8.0	1	128	128
	19	8.0	2	632	1264
	20	8.0	2	265	530
	21	8.0	1	530	530
	22	8.0	2	686	1372
	23	8.0	1	135	135
	24	8.0	1	220	220
	25	8.0	2	627	1254
	26	8.0	1	141	141
	27	8.0	1	186	186
	28	8.0	3	672	2016
	29	8.0	1	282	282
	30	8.0	1	522	522
	31	8.0	3	1042	3126
	32	10.0	2	375	750
	33	10.0	2	1120	2240
	34	10.0	2	505	1010
	35	10.0	2	457	914
	36	10.0	1	330	330
	37	10.0	3	808	2424
	38	10.0	1	888	888
	39	10.0	3	315	945
	40	10.0	1	290	290
	41	10.0	1	832	832
	42	10.0	1	837	837
	43	10.0	3	280	840
	44	10.0	2	1198	2396
	45	10.0	2	1200	2400
	46	10.0	2	925	1850
	47	10.0	2	510	1020
	48	10.0	2	510	1020
	49	10.0	1	176	176
	50	10.0	2	517	1034
	51	10.0	3	469	1407
	52	12.5	1	345	345
	53	12.5	2	620	1240
	54	12.5	2	529	1058
	55	12.5	1	335	335
	56	12.5	2	483	966
	57	12.5	2	1039	2078
	58	12.5	2	360	720
	59	12.5	2	1076	2152
	60	12.5	1	181	181
	61	12.5	1	719	719
	62	12.5	2	1102	2204
	63	12.5	1	207	207
	64	12.5	2	520	1040
	65	16.0	1	360	360
	66	16.0	1	365	365
	67	16.0	2	1196	2392
	68	16.0	2	1200	2400
	69	16.0	2	528	1056

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	55.6	15
	8.0	228.5	99.2
	10.0	236	160.1
	12.5	132.4	140.4
	16.0	65.7	114.1
CA60	5.0	537	91.1
PESO TOTAL (kg)			
CA50	528.7		
CA60	91.1		

Volume de concreto (C-25) = 8.79 m³
Área de forma = 124.44 m²

WALMIR BARCELOS MOLINA
ENGENHEIRO CIVIL
CREA 5062060134
TEL. (016) 999978248

Estrutural - Vigas

CONSTRUÇÃO - COMERCIAL

07/11

VERSÃO: 01