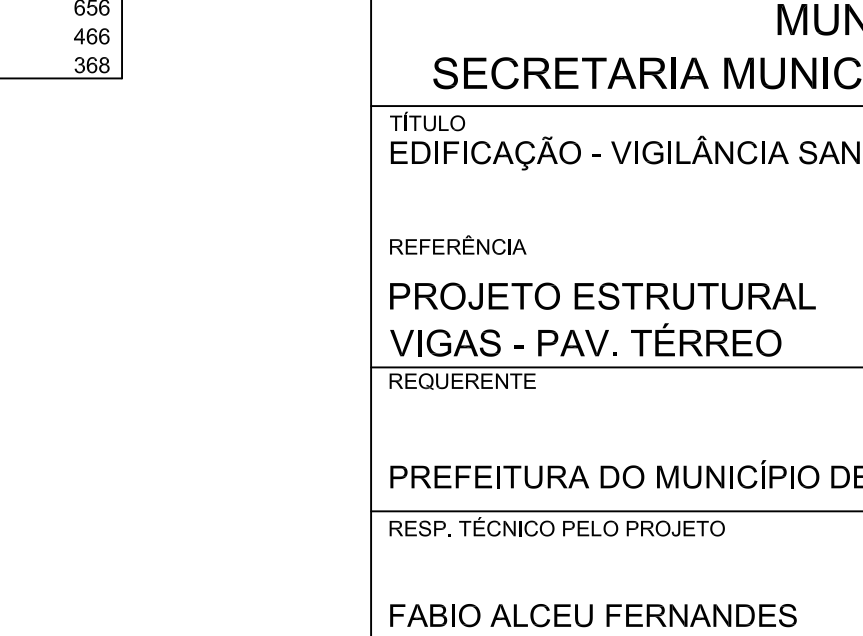
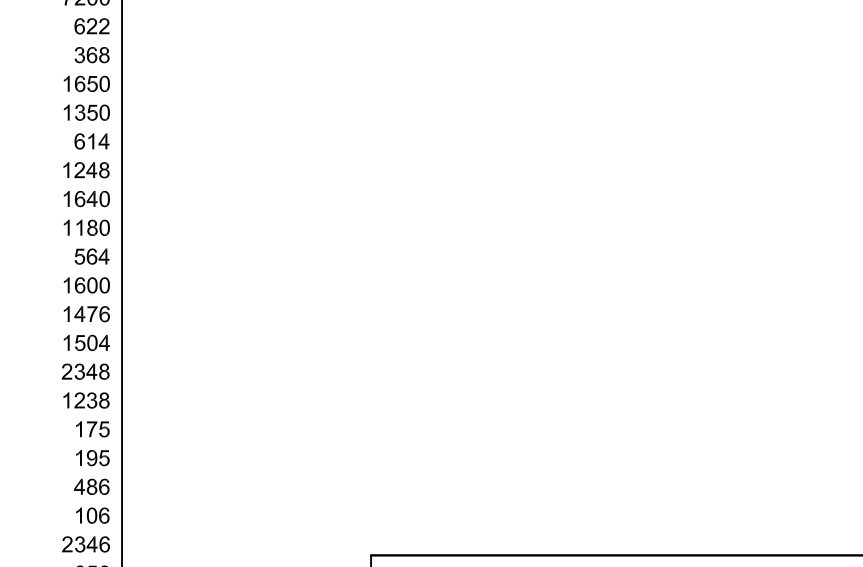
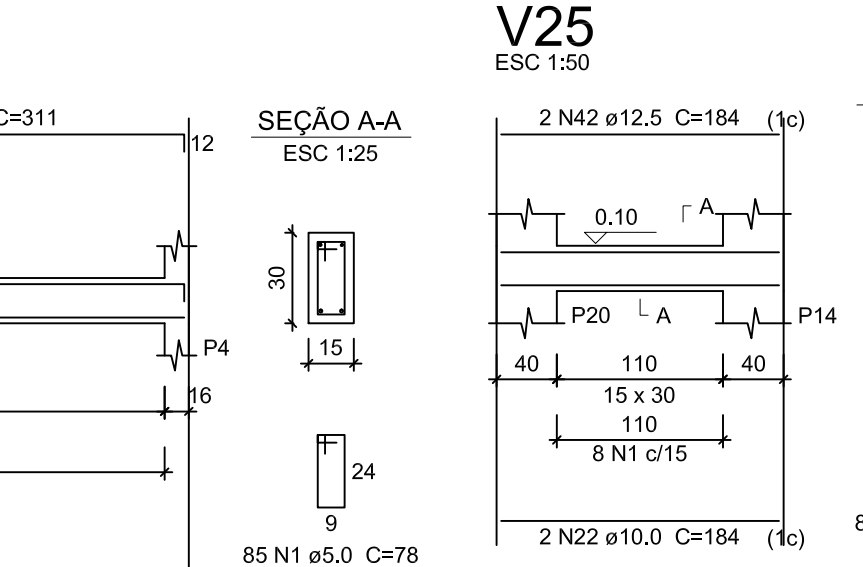
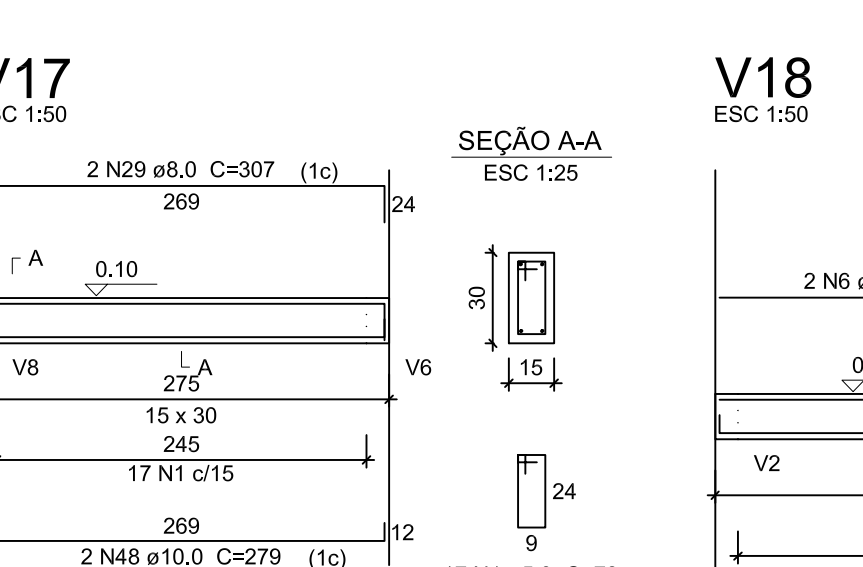
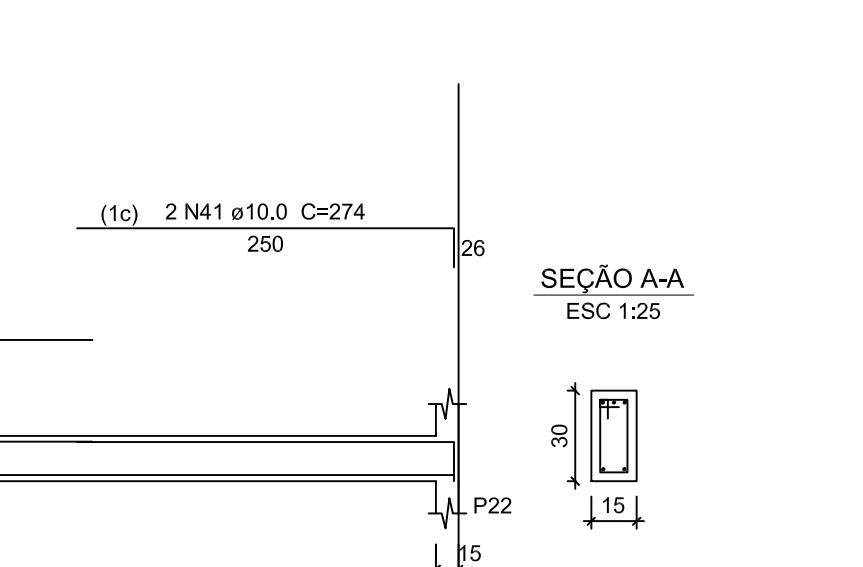
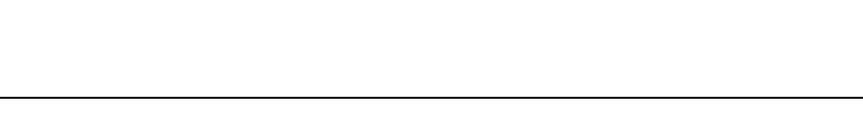
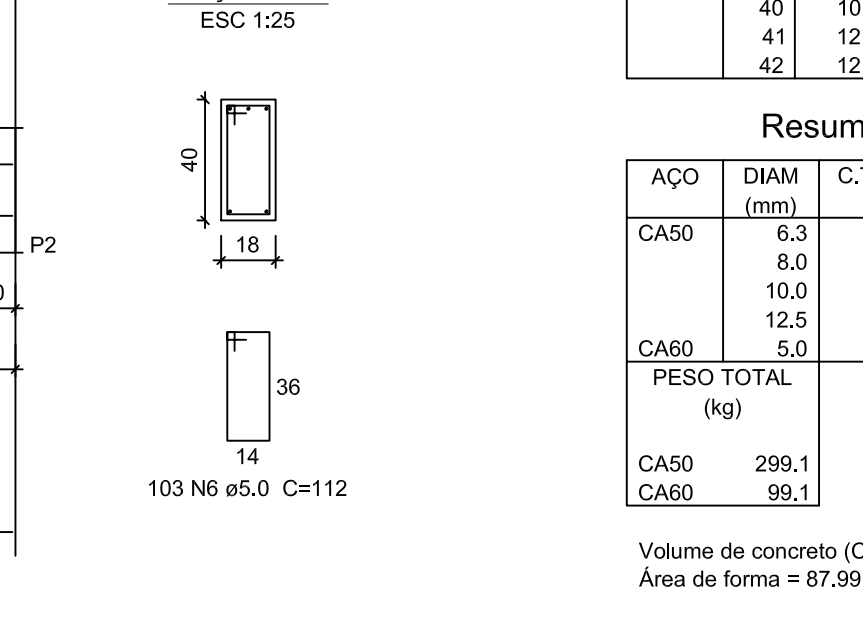
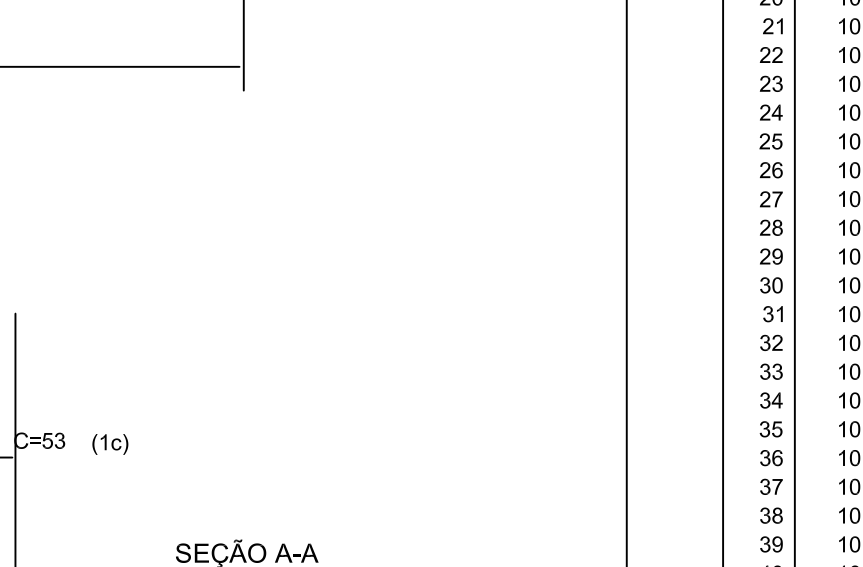
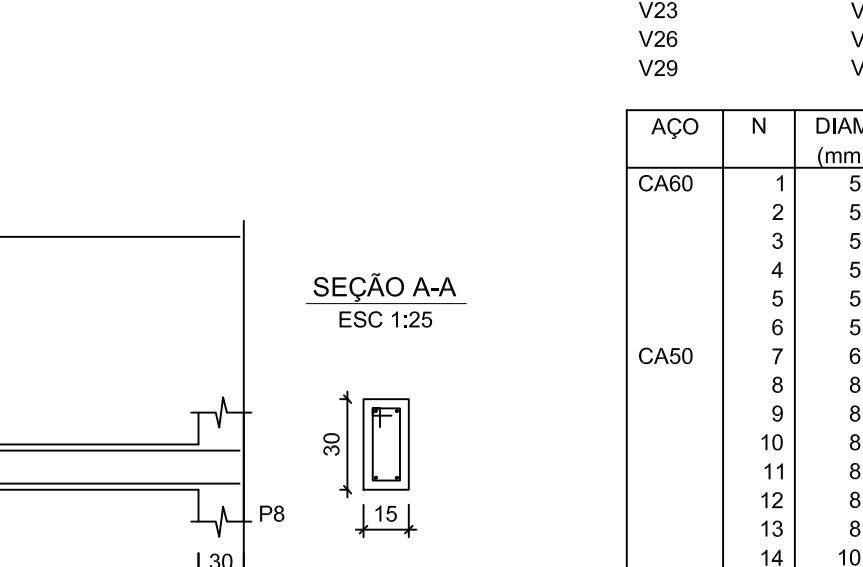
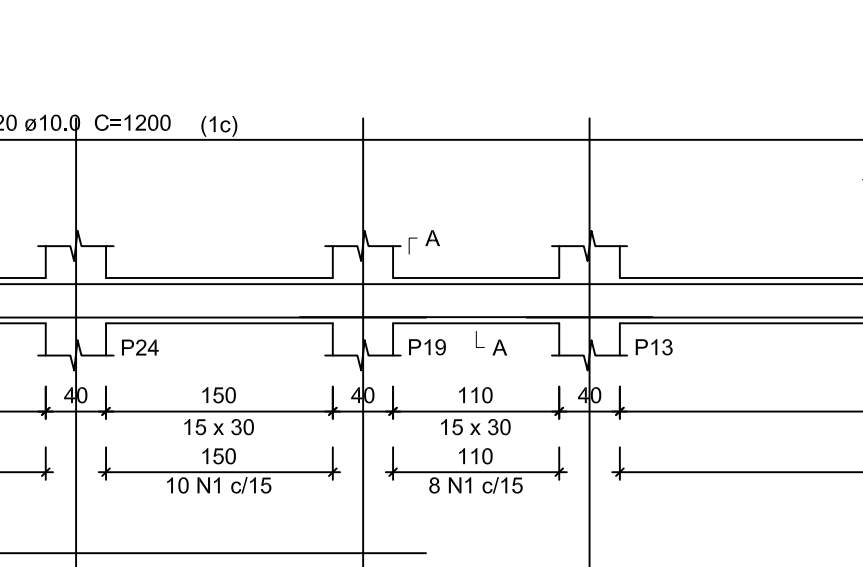
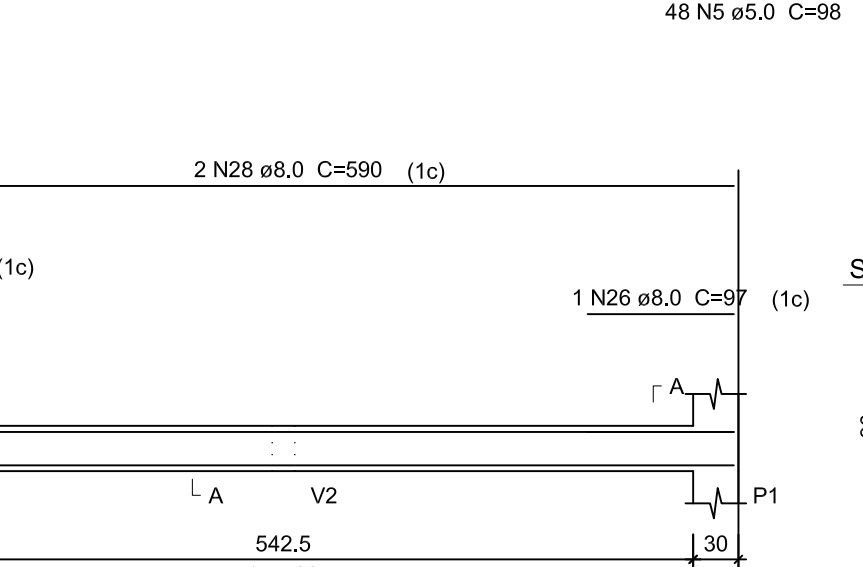
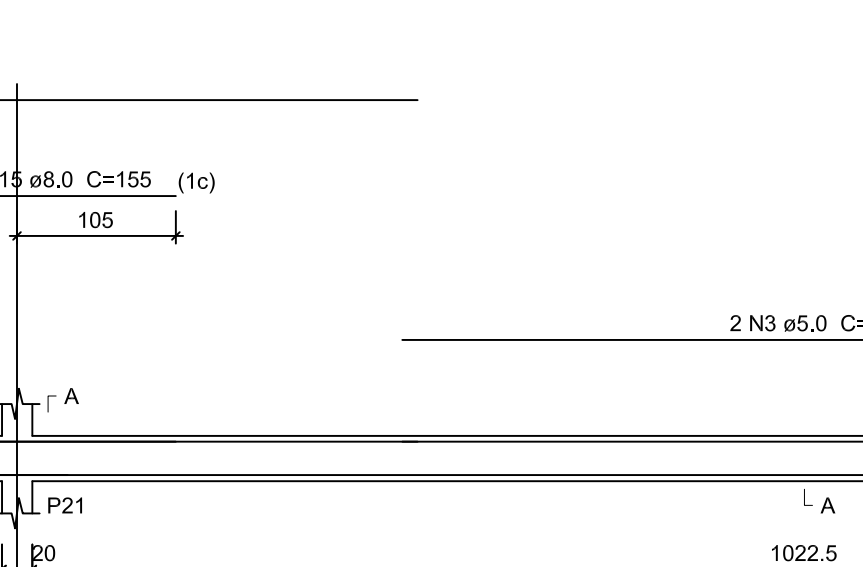
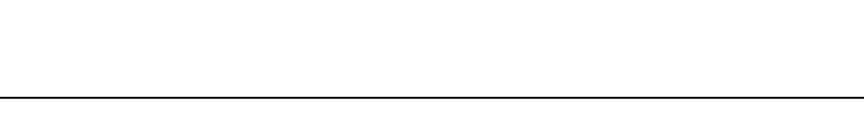
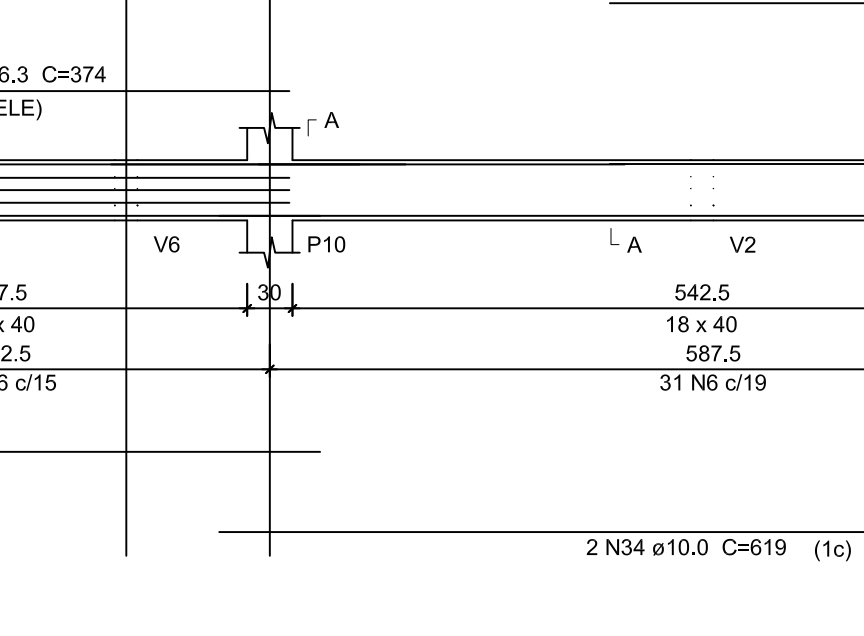
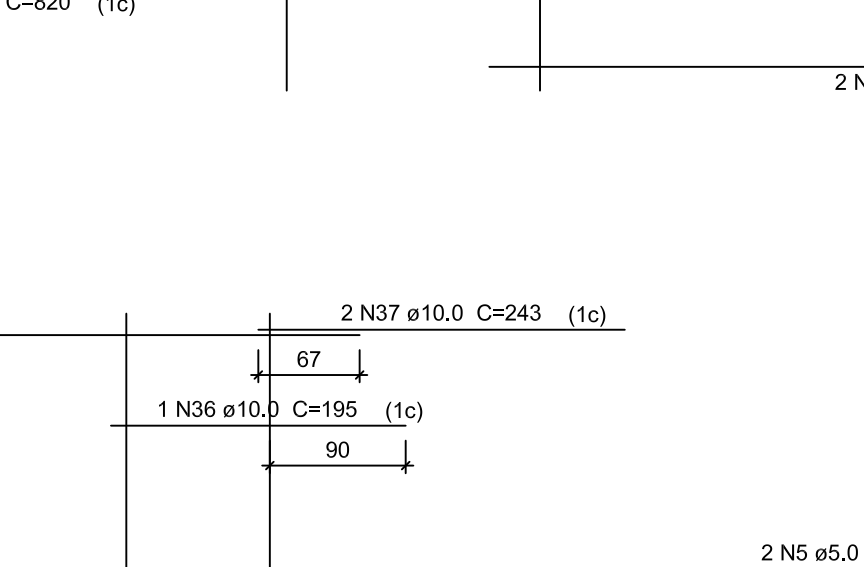
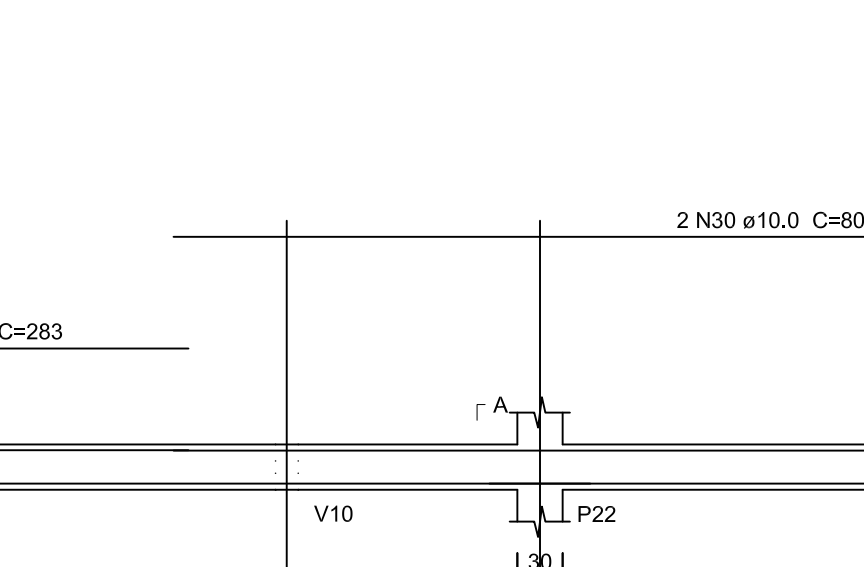
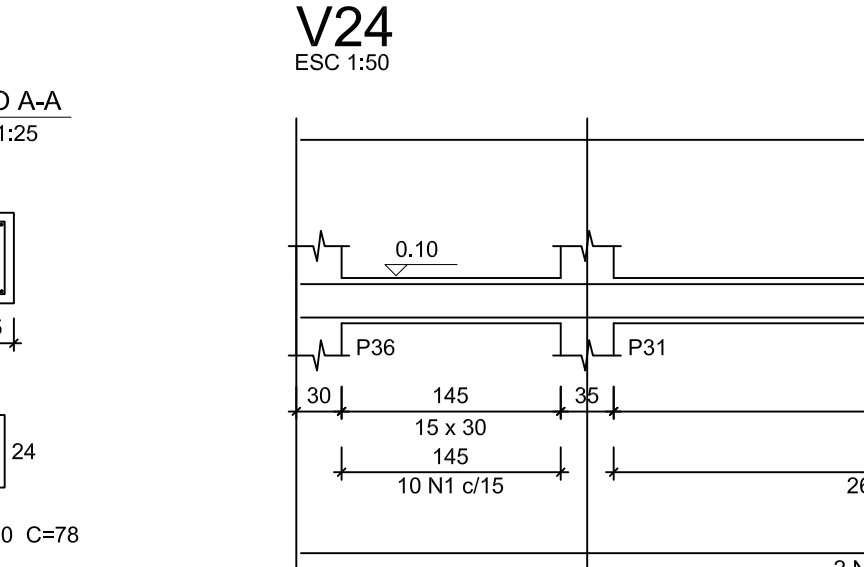
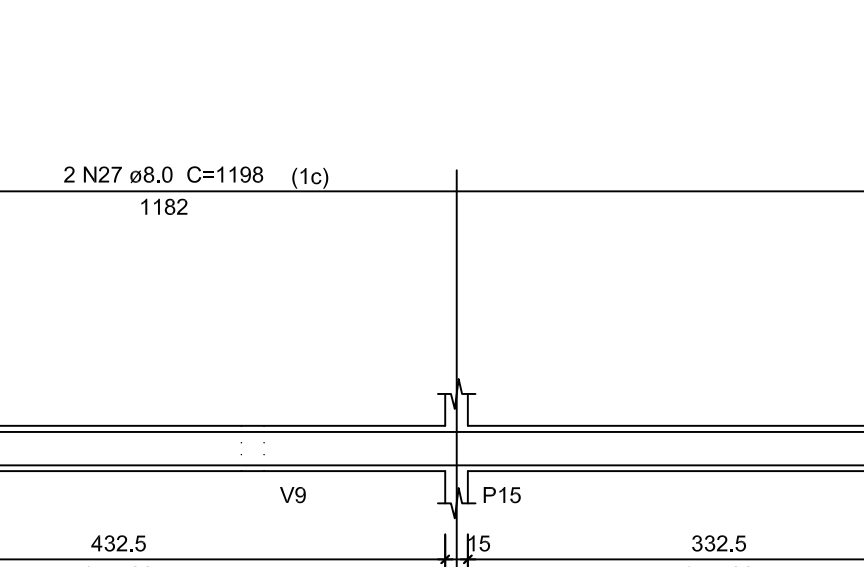
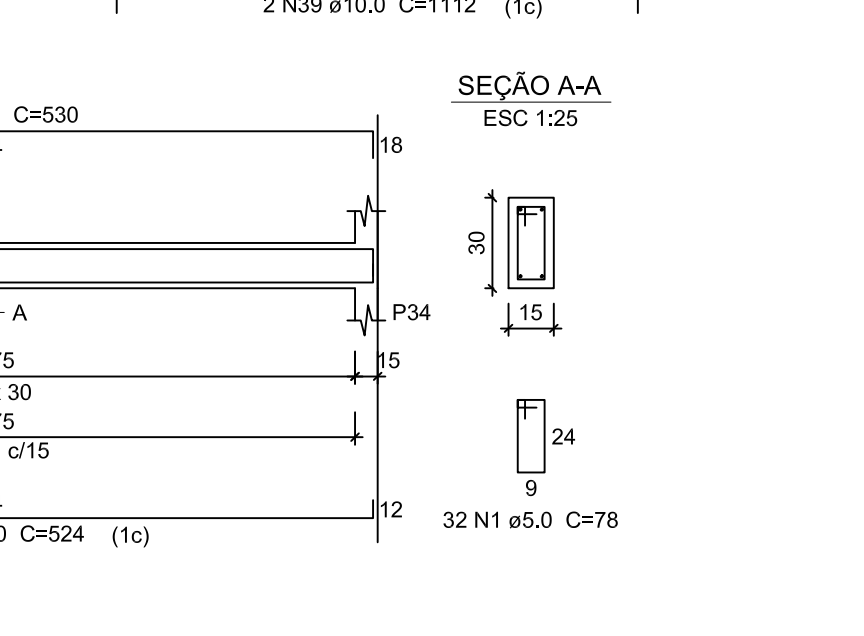
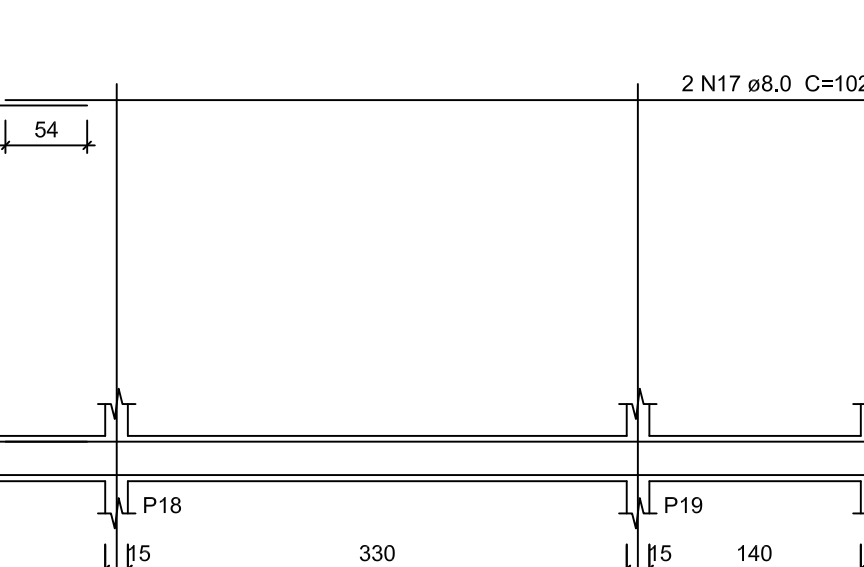
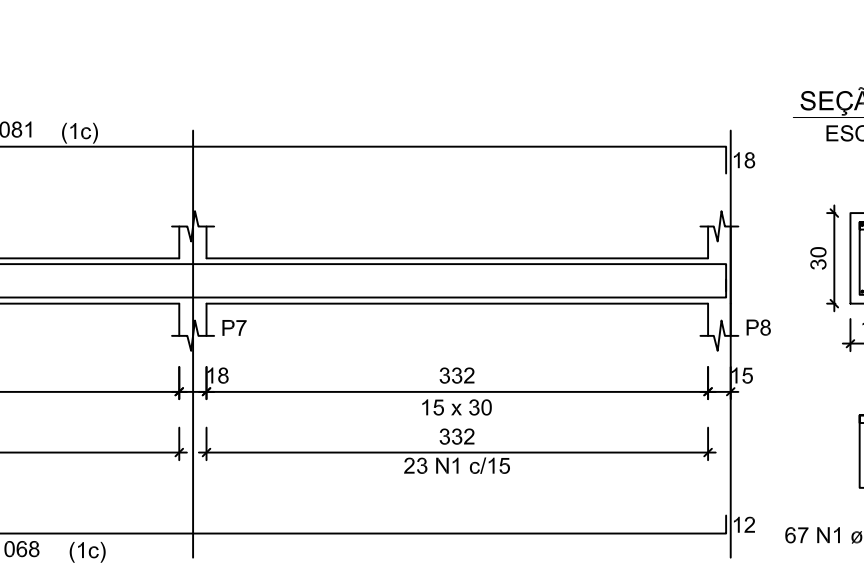
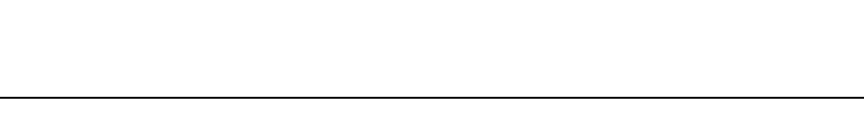
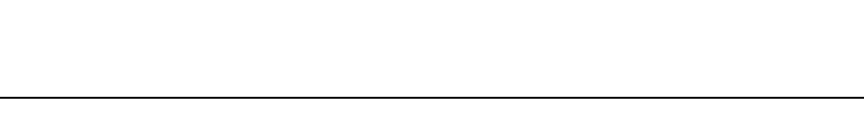
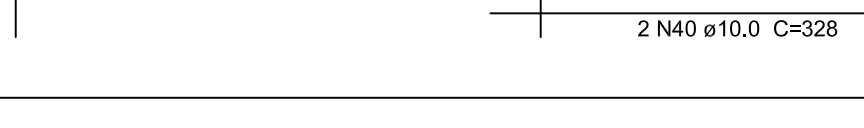
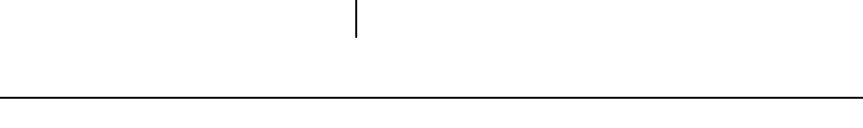
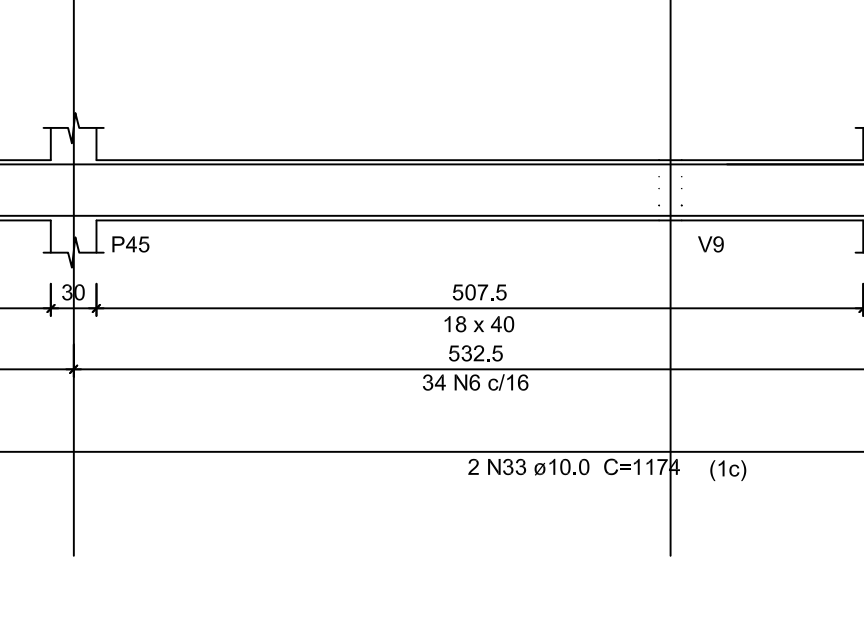
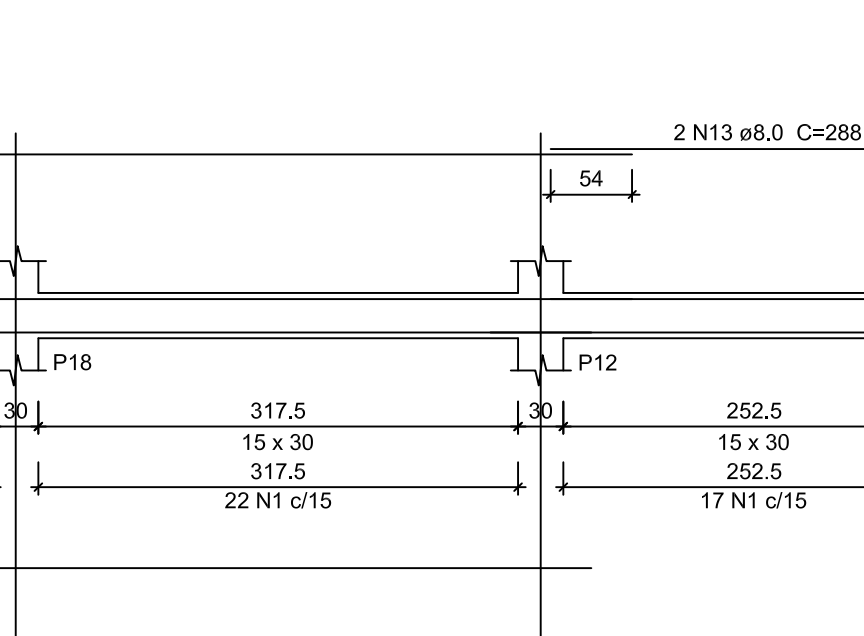
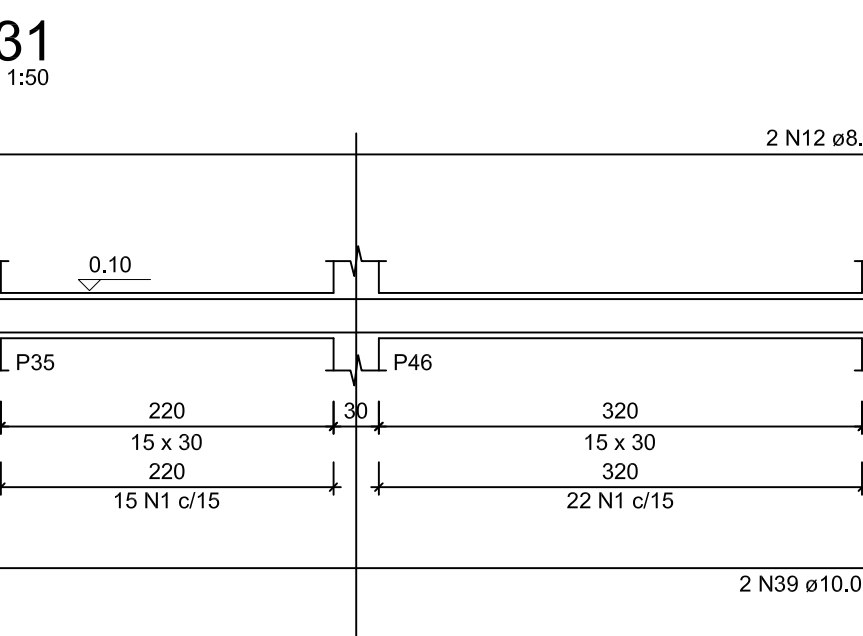
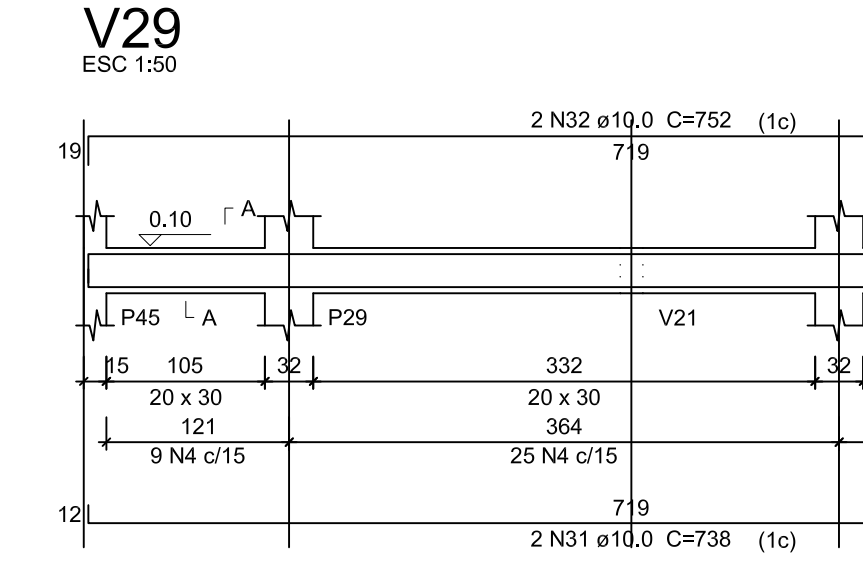
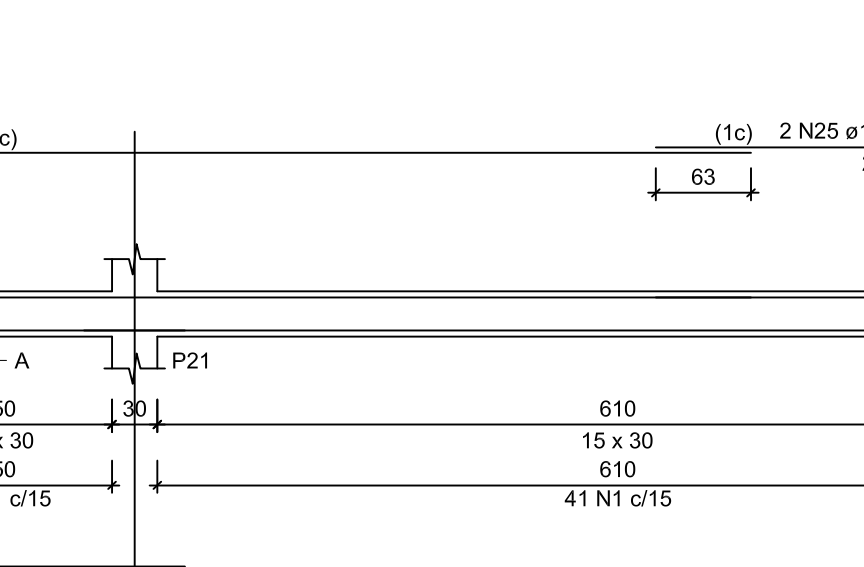
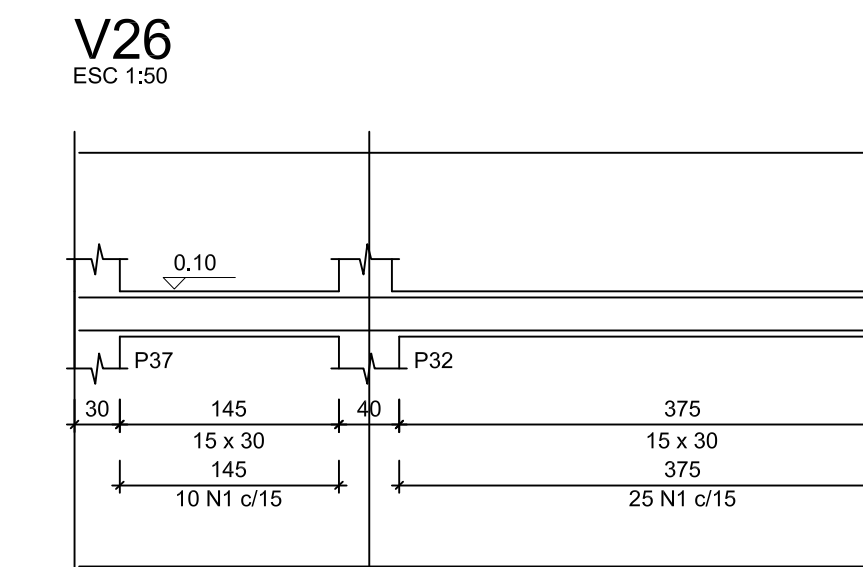
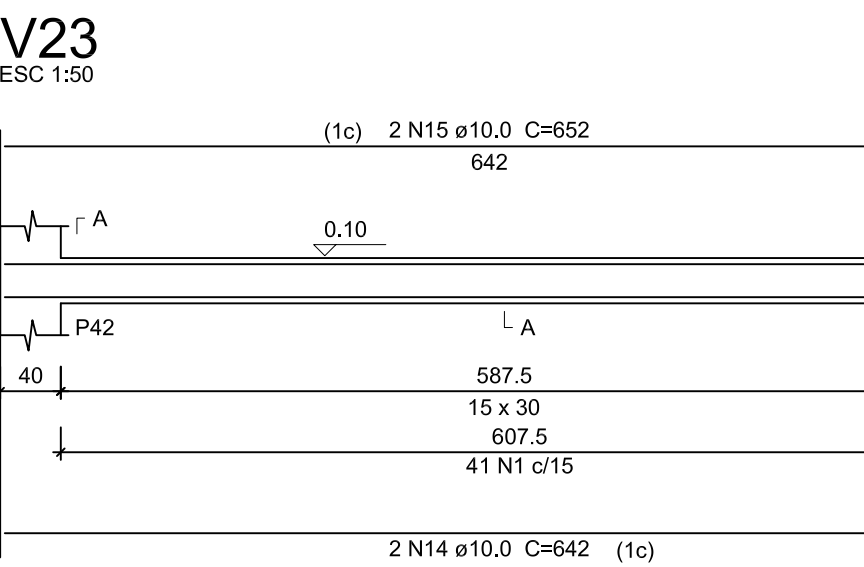
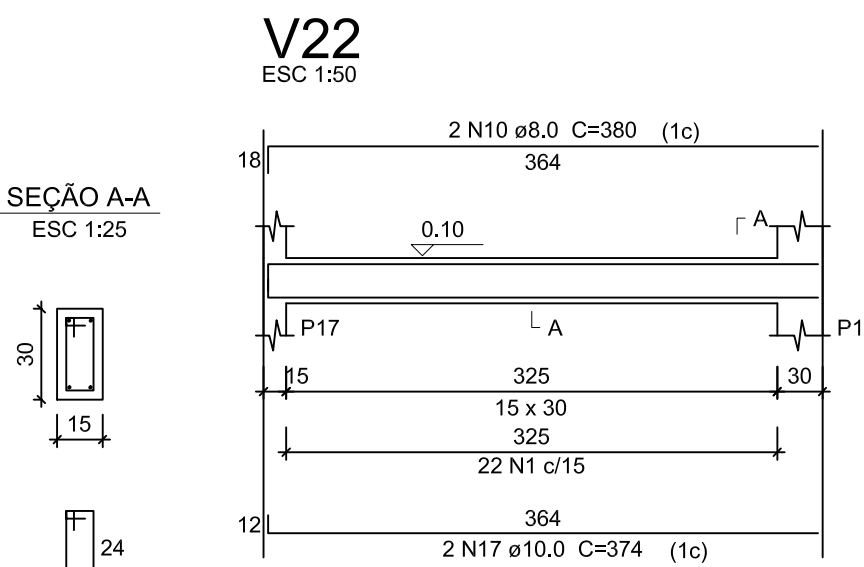
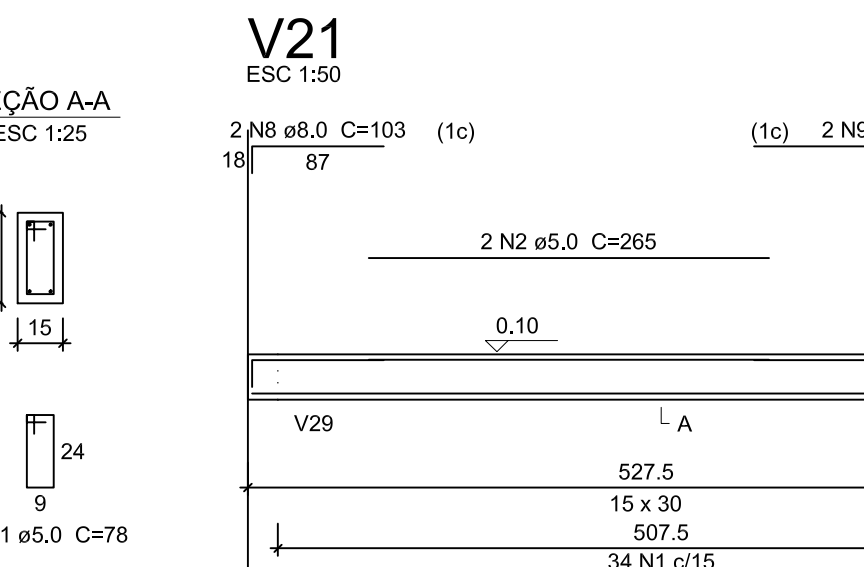
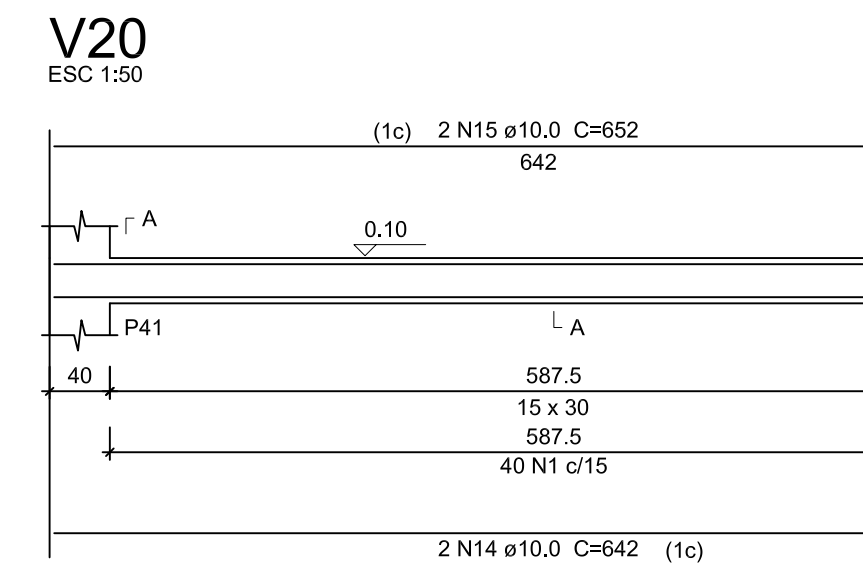
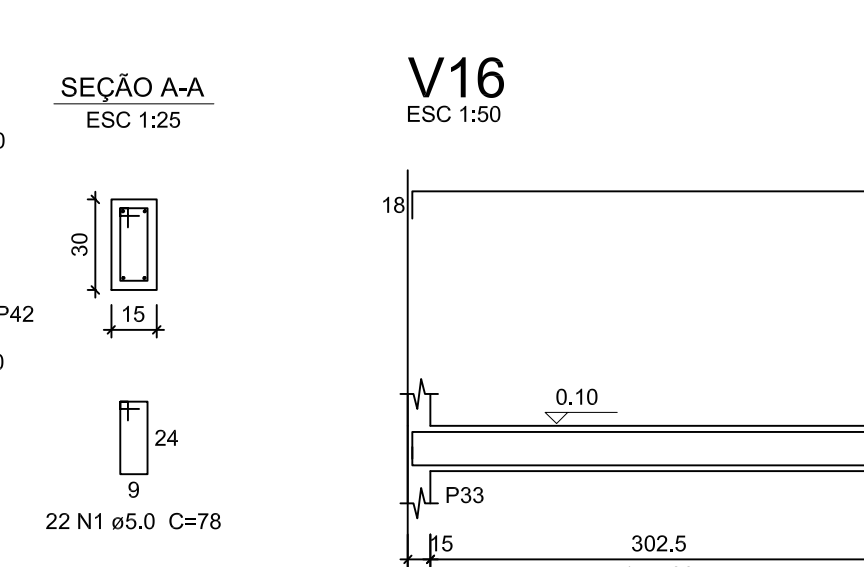
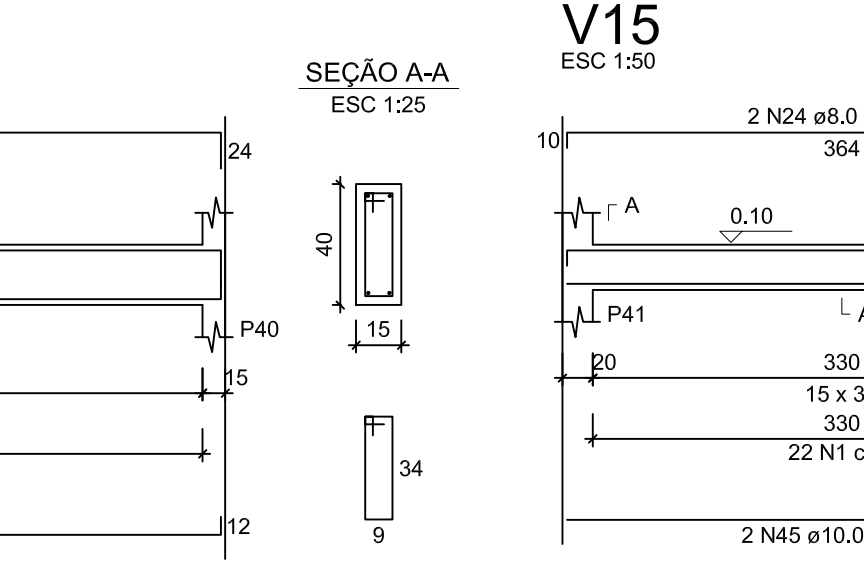
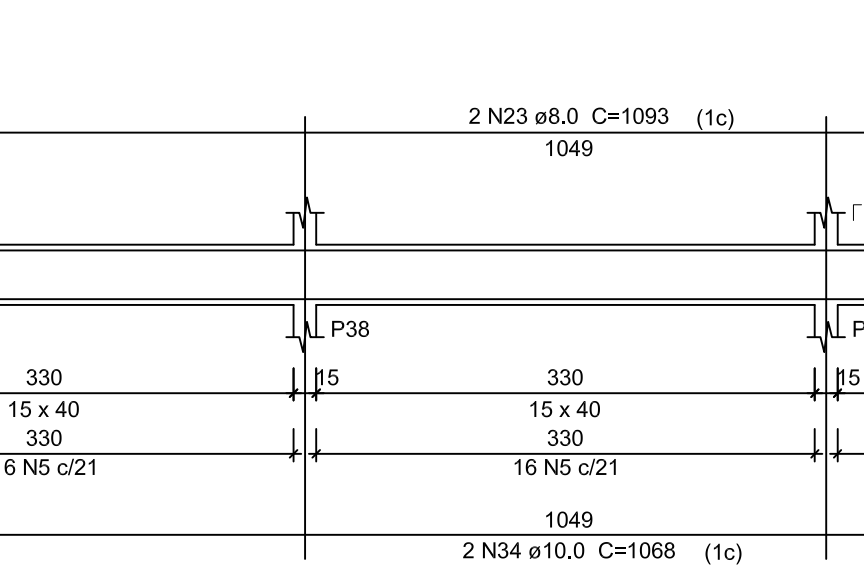
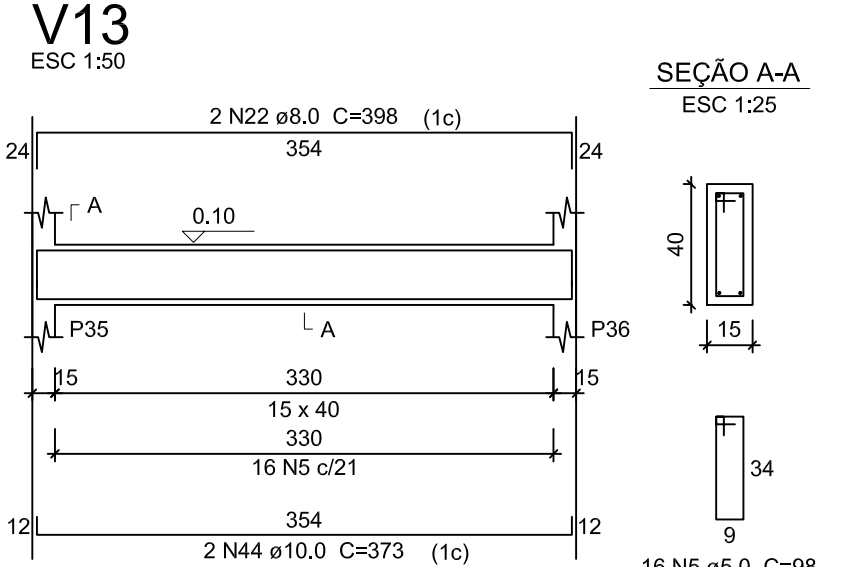
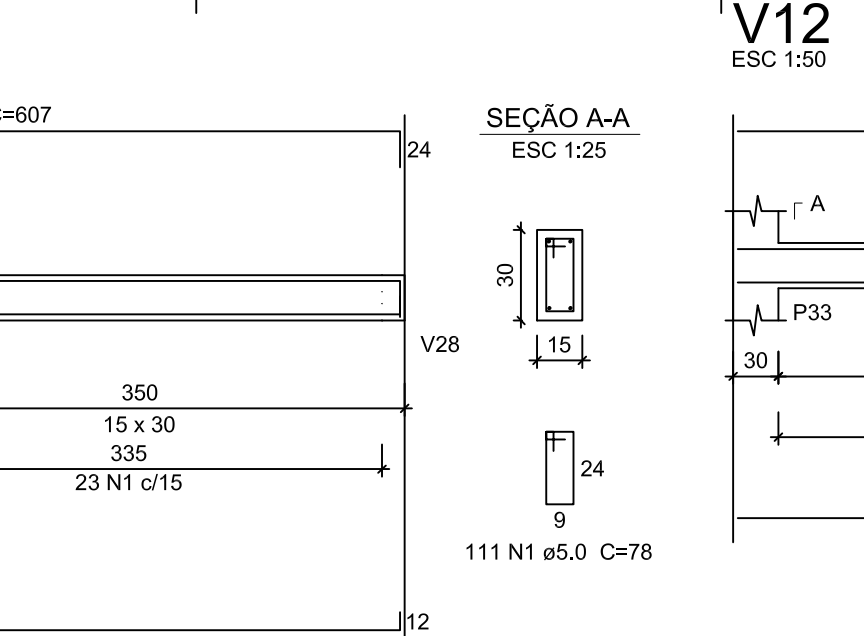
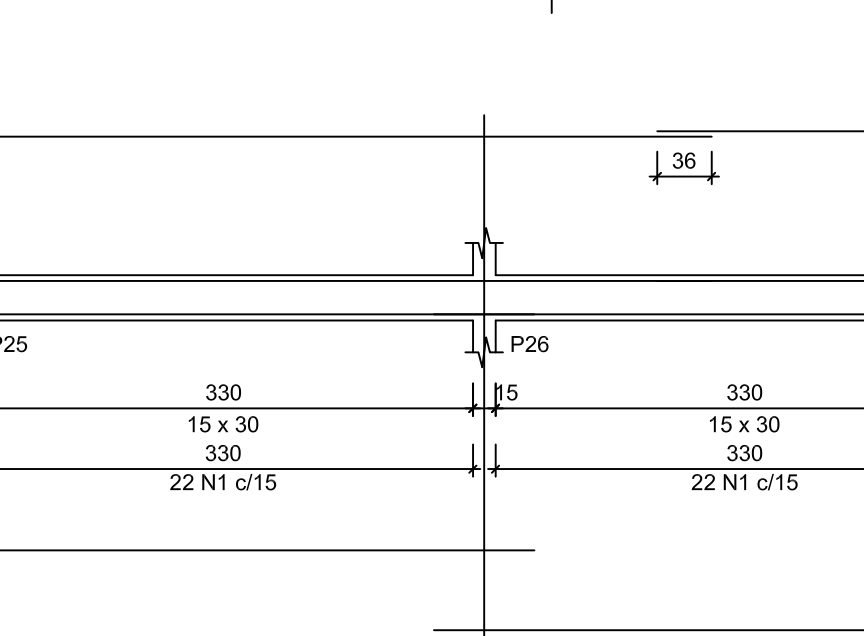
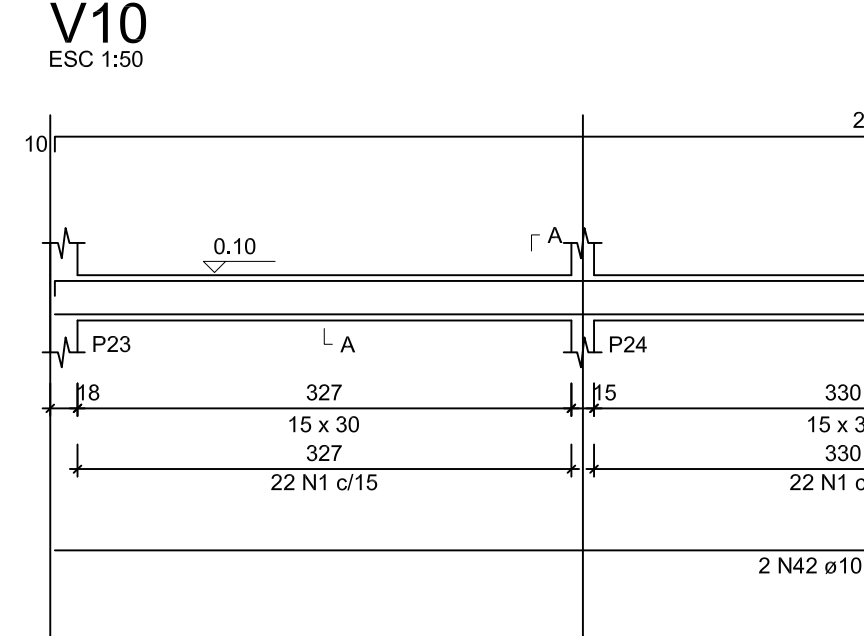
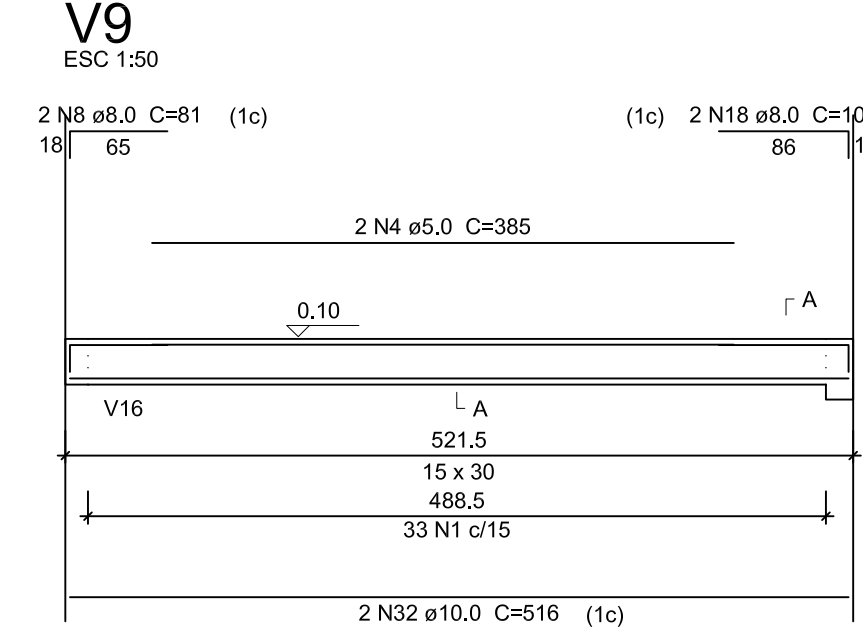
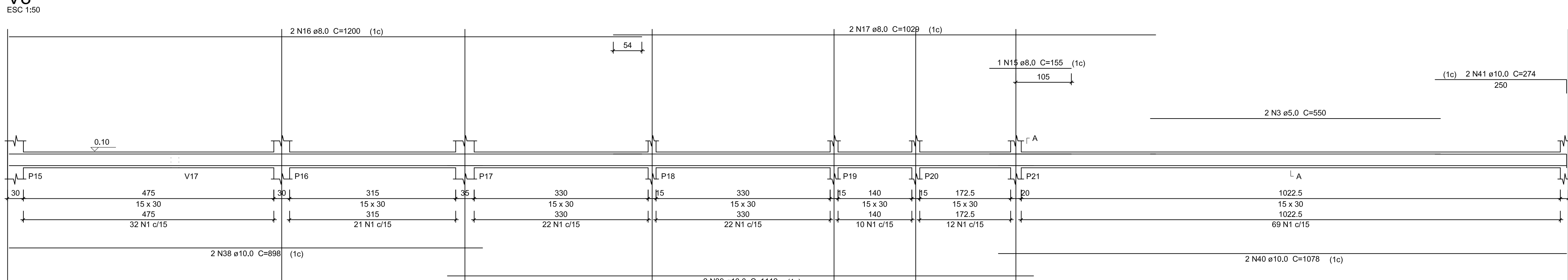
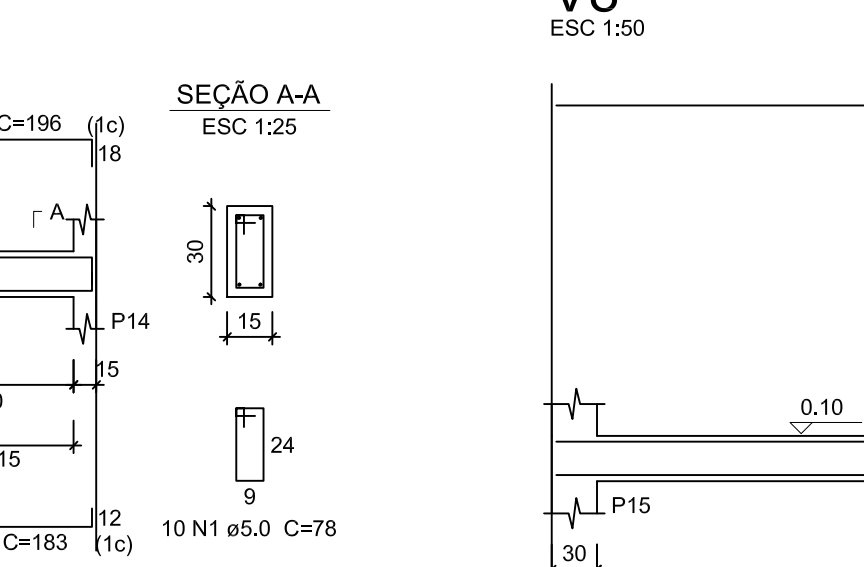
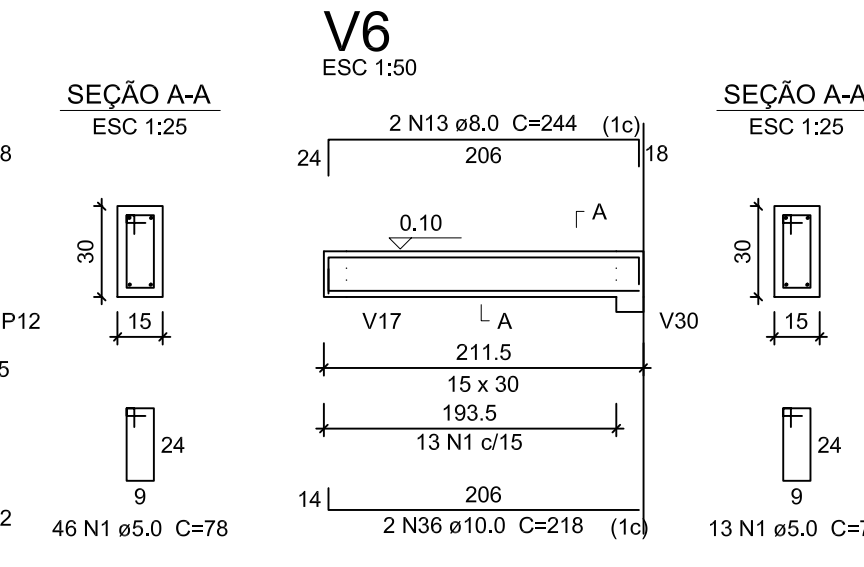
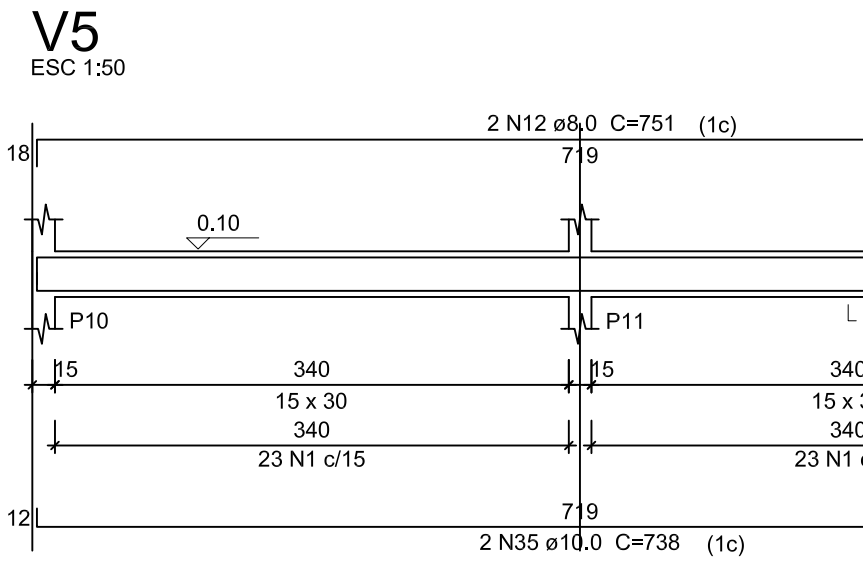
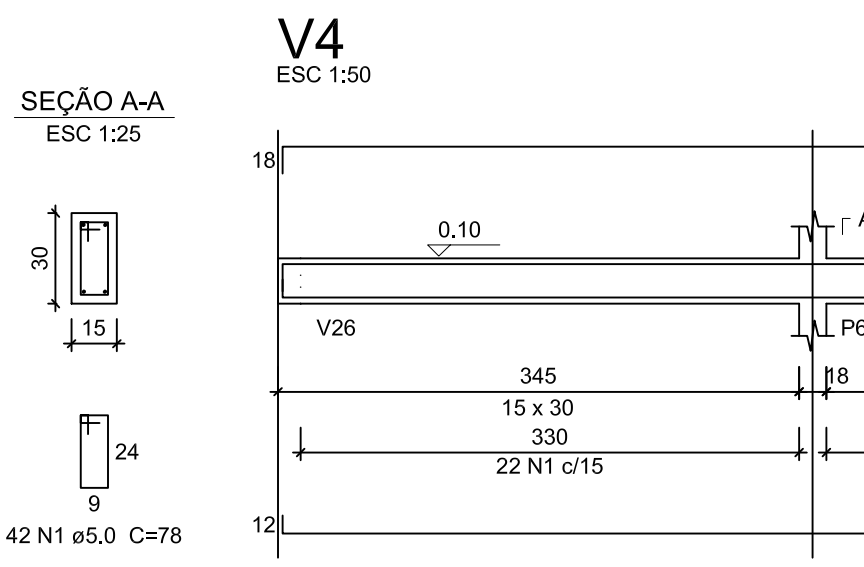
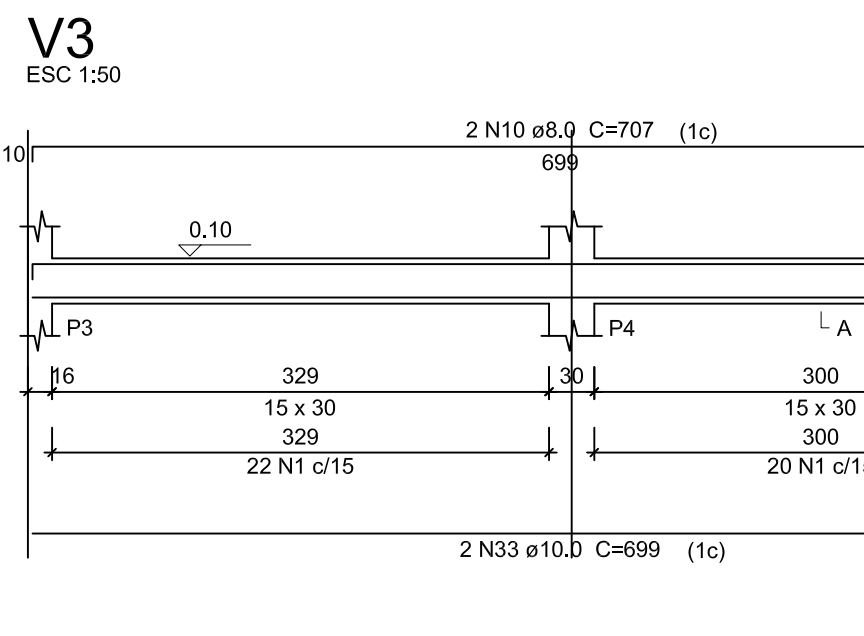
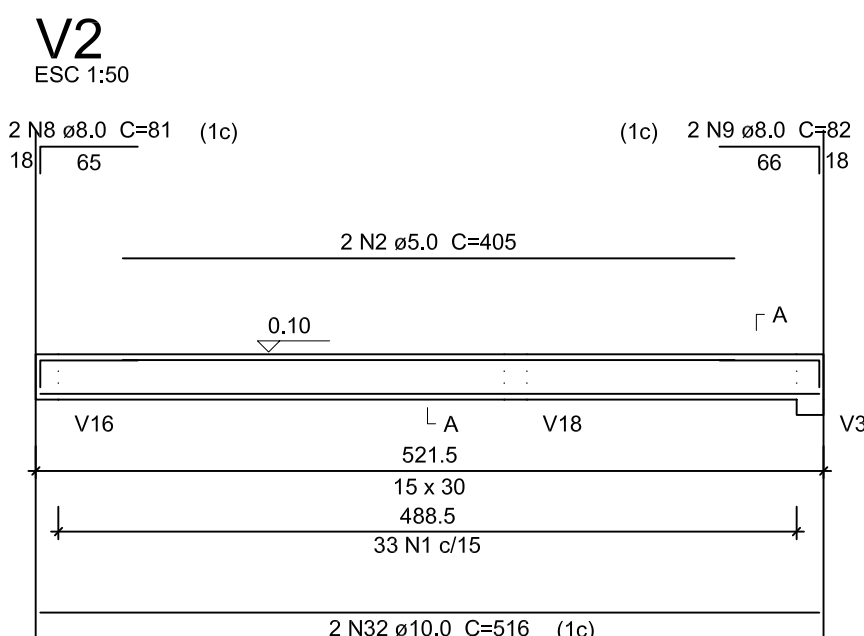
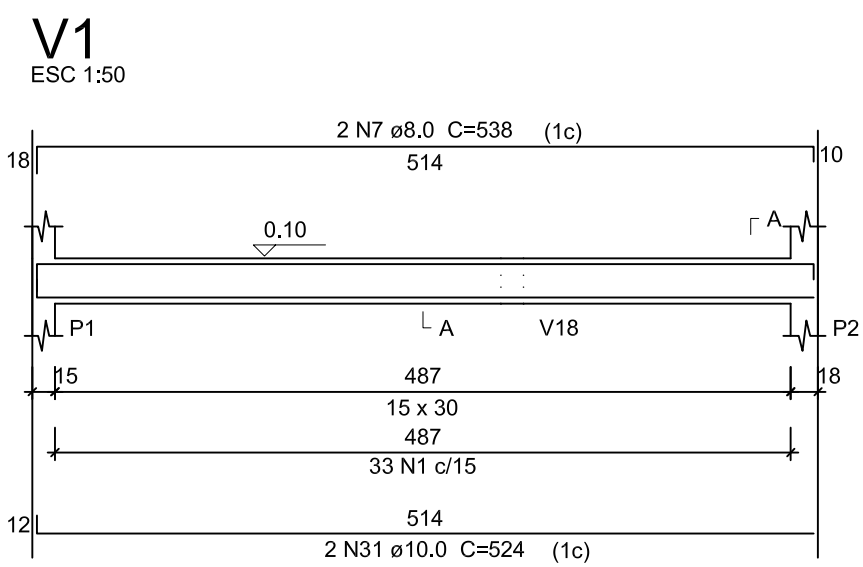




Relação do aço

ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA50	1	5,0	776	78	60628
	2	5,0	2	405	810
	3	5,0	2	550	1100
	4	5,0	2	385	770
	5	5,0	64	98	6272
	6	5,0	2	228	456
	7	5,0	2	538	1076
	8	8,0	4	81	324
	9	8,0	2	82	164
	10	8,0	2	707	1414
	11	8,0	2	1081	2162
	12	8,0	2	751	1502
	13	8,0	2	244	488
	14	8,0	2	196	392
	15	8,0	1	155	155
	16	8,0	2	1200	2400
	17	8,0	2	1020	2040
	18	8,0	2	102	204
	19	8,0	2	1198	2396
	20	8,0	2	607	1214
	21	8,0	2	530	1060
	22	8,0	2	386	776
	23	8,0	2	1093	2186
	24	8,0	2	380	760
	25	8,0	1	135	135
	26	8,0	1	97	97
	27	8,0	2	1198	2396
	28	8,0	2	590	1180
	29	8,0	2	307	614
	30	8,0	2	101	202
	31	10,0	4	524	2096
	32	10,0	4	516	2064
	33	10,0	2	699	1398
	34	10,0	2	1098	2196
	35	10,0	2	738	1476
	36	10,0	2	218	436
	37	10,0	2	183	366
	38	10,0	2	898	1796
	39	10,0	2	1112	2224
	40	10,0	2	1078	2156
	41	10,0	2	274	548
	42	10,0	2	1073	2146
	43	10,0	2	743	1486
	44	10,0	2	373	746
	45	10,0	2	364	728
	46	10,0	2	1183	2366
	47	10,0	2	618	1236
	48	10,0	2	279	558
	49	10,0	2	313	626

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (cm)	PESO + 10% (kg)
CA50	8,0	253,8	110,1
	10,0	287,3	194,9
	5,0	695,4	118,6
PESO TOTAL (kg)			
CA50	304,9		
CA60	118,6		

Volume de concreto (C-30) = 6,4 m³
Área de forma = 105,98 m²

Relação do aço

ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA50	1	5,0	505	78	49950
	2	5,0	2	265	530
	3	5,0	2	283	566
	4	5,0	48	88	4224
	5	5,0	2	318	636
	6	5,0	103	112	11536
	7	6,3	6	374	2244
	8	8,0	2	103	206
	9	8,0	2	221	442
	10	8,0	2	380	760
	11	8,0	2	624	1248
	12	8,0	2	1200	2400
	13	8,0	2	288	576
	14	10,0	4	652	2608
	15	10,0	4	652	2608
	16	10,0	2	537	1074
	17	10,0	2	374	748
	18	10,0	2	839	1678
	19	10,0	2	529	1058
	20	10,0	6	1200	7200
	21	10,0	2	311	622
	22	10,0	2	184	368
	23	10,0	2	825	1650
	24	10,0	2	675	1350
	25	10,0	2	307	614
	26	10,0	2	624	1248
	27	10,0	2	820	1640
	28	10,0	2	590	1180
	29	10,0	2	282	564
	30	10,0	2	800	1600
	31	10,0	2	738	1476
	32	10,0	2	752	1504
	33	10,0	2	1174	2348
	34	10,0	2	619	1238
	35	10,0	1	175	175
	36	10,0	2	1173	2346
	37	10,0	2	243	486
	38	10,0	2	53	106
	39	10,0	2	1173	2346
	40	10,0	2	328	656
	41	12,5	2	233	466
	42	12,5	2	184	368

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (cm)	PESO + 10% (kg)
CA50	8,0	22,5	6,1
	10,0	56,4	24,4
	12,5	8,4	6,8
	5,0	58,5	99,1
PESO TOTAL (kg)			
CA50	289,1		
CA60	99,1		

Volume de concreto (C-30) = 5,59 m³
Área de forma = 87,99 m²

MUNICÍPIO DE ARAUCÁRIA
SECRETARIA MUNICIPAL DE OBRAS PÚBLICAS - SMOP

TÍTULO
EDIFICAÇÃO - VIGILÂNCIA SANITÁRIA - BLOCO 1

REFERÊNCIA
PROJETO ESTRUTURAL
VIGAS - PAV. TERREO

REQUERENTE
PREFEITURA DO MUNICÍPIO DE ARAUCÁRIA

FABIO ALCEU FERNANDES
CREA PR 73.222/D

LOCAL: OLÍMPICO
QUADRA: INDICADA
LOTE: INDICADA
DESENHO: OUT/15
DATA: 11/11

MODIFICADO EM