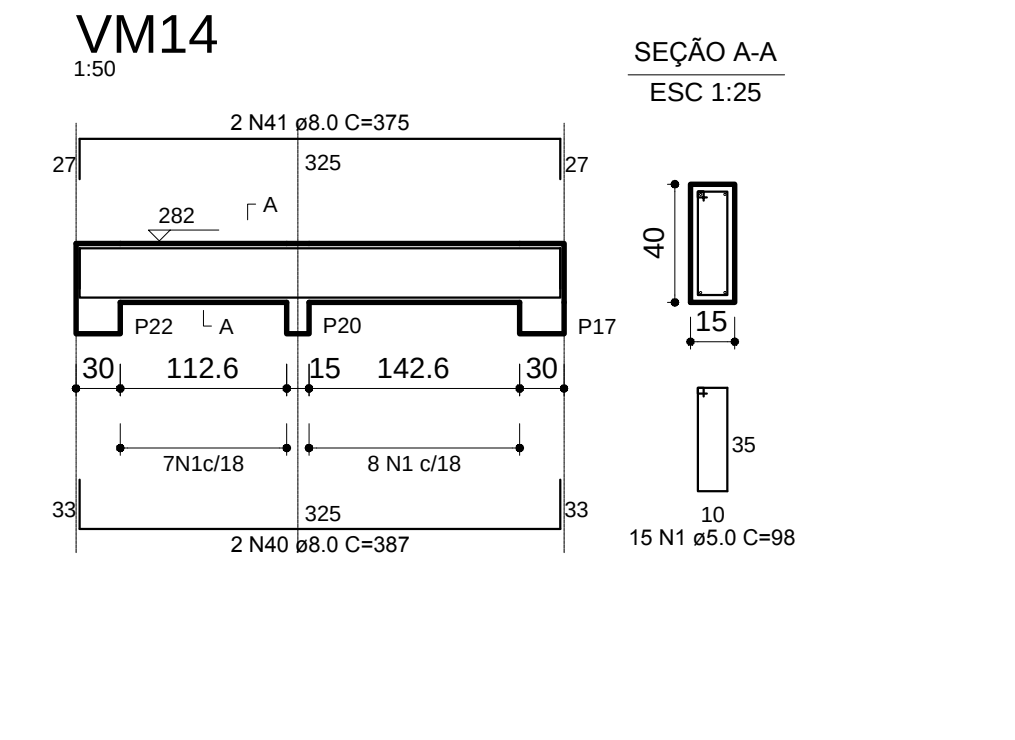
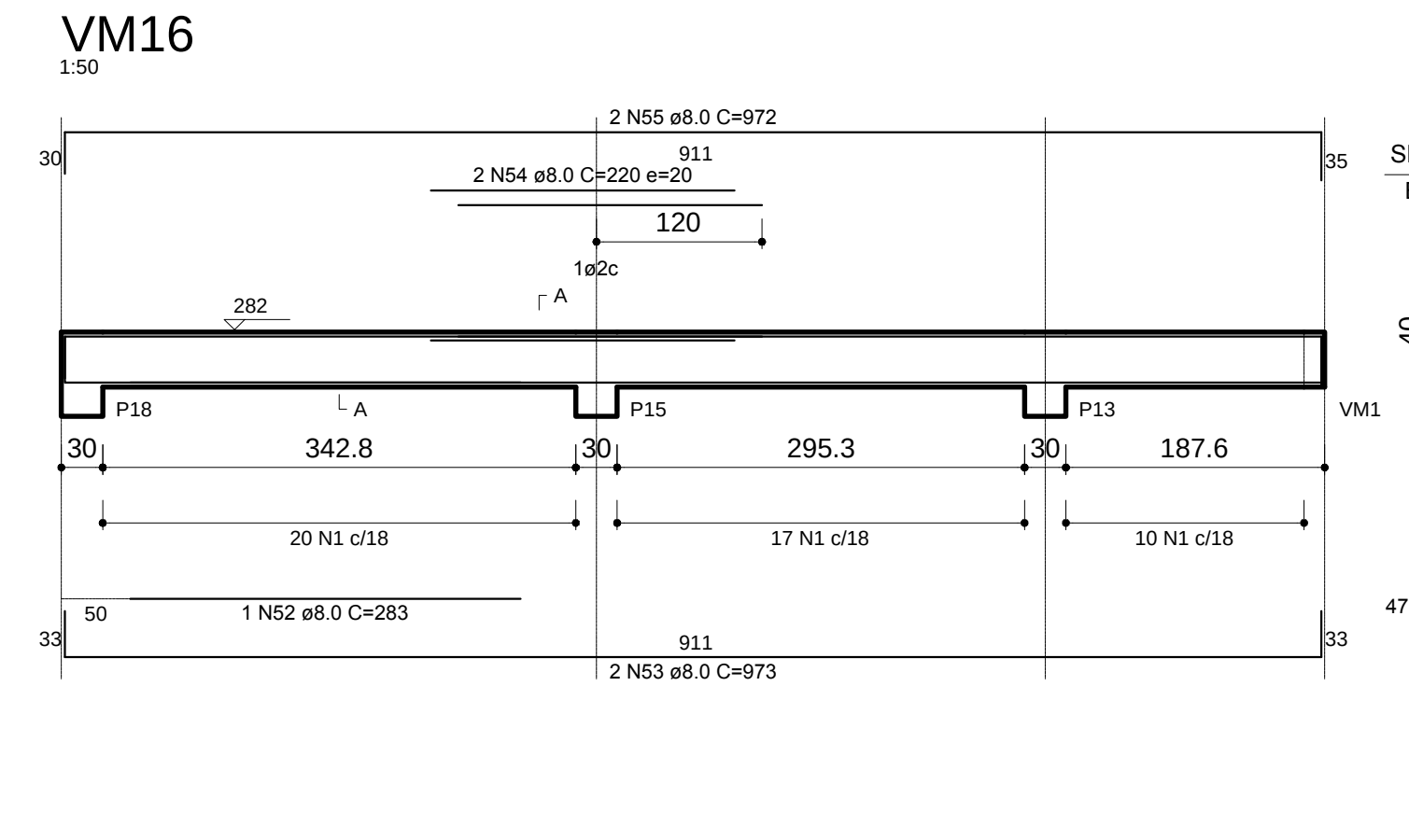
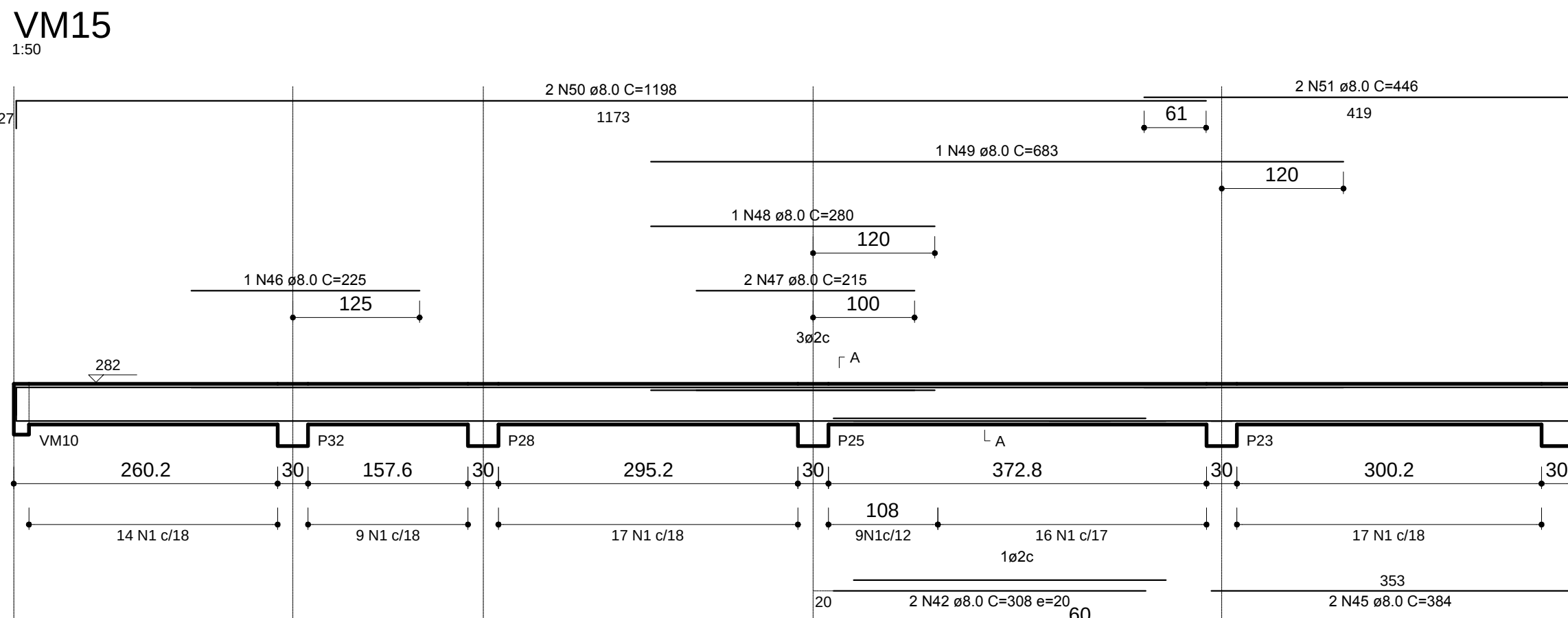
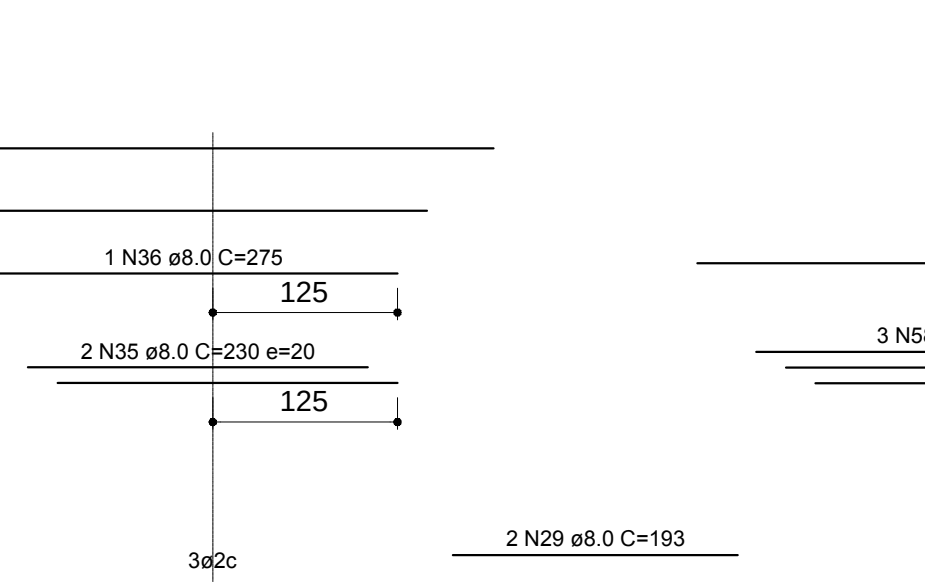
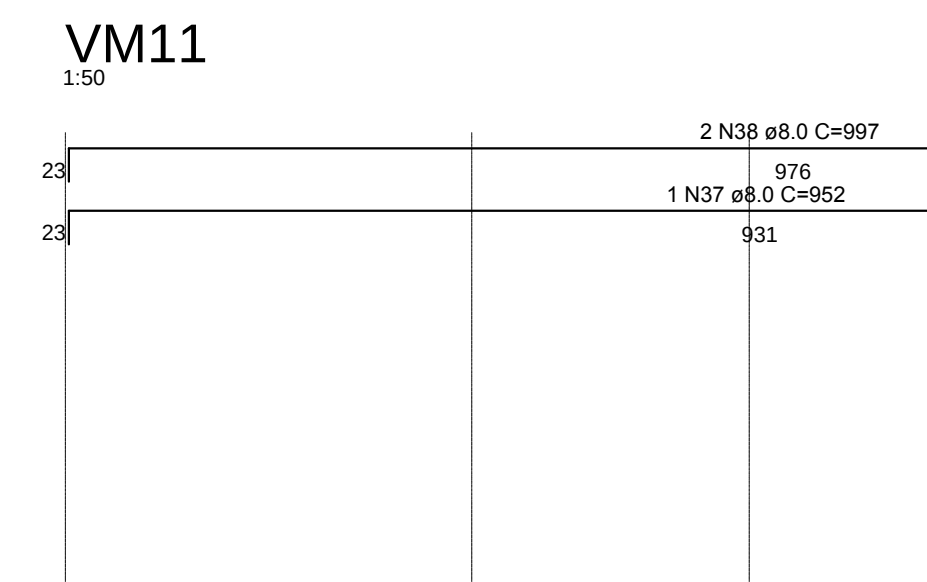
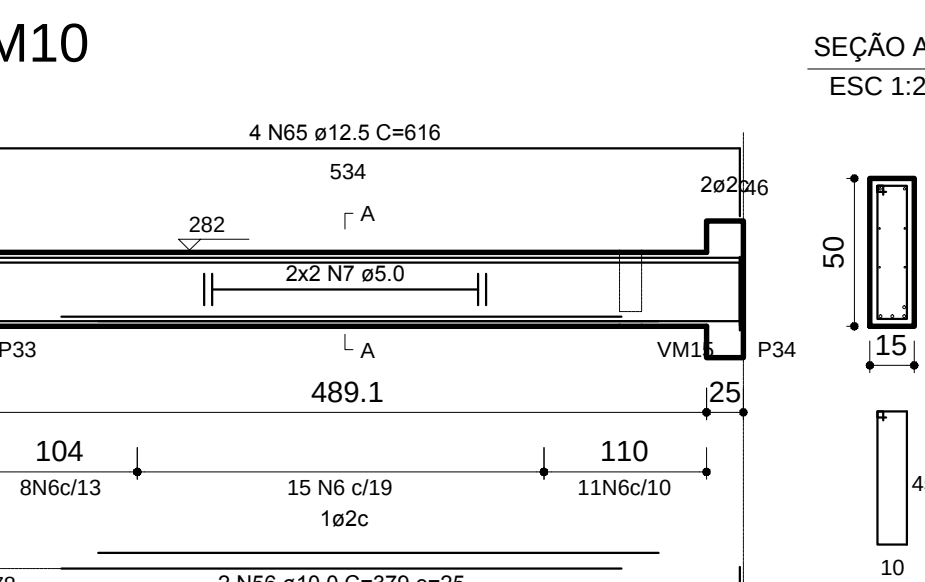
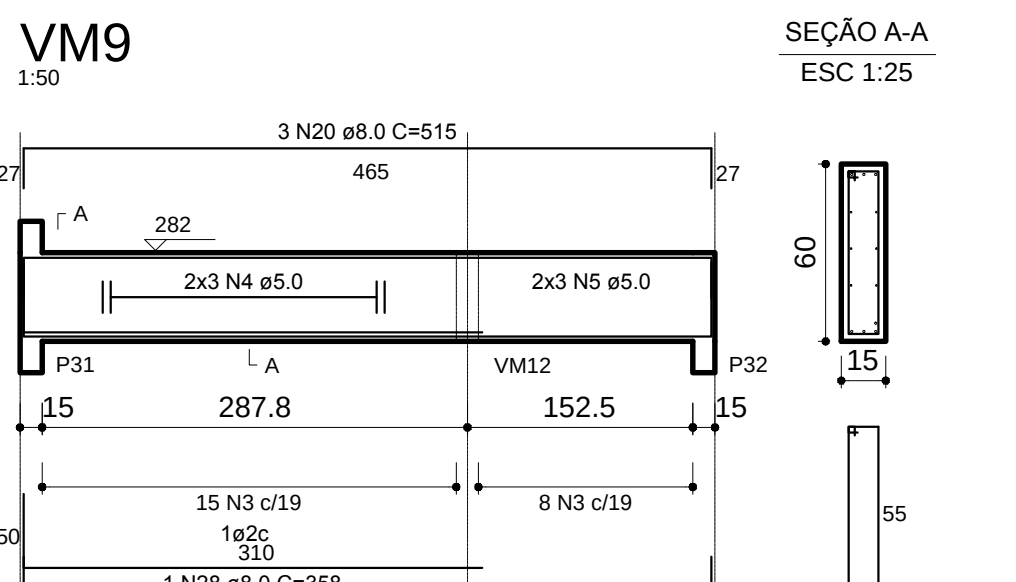
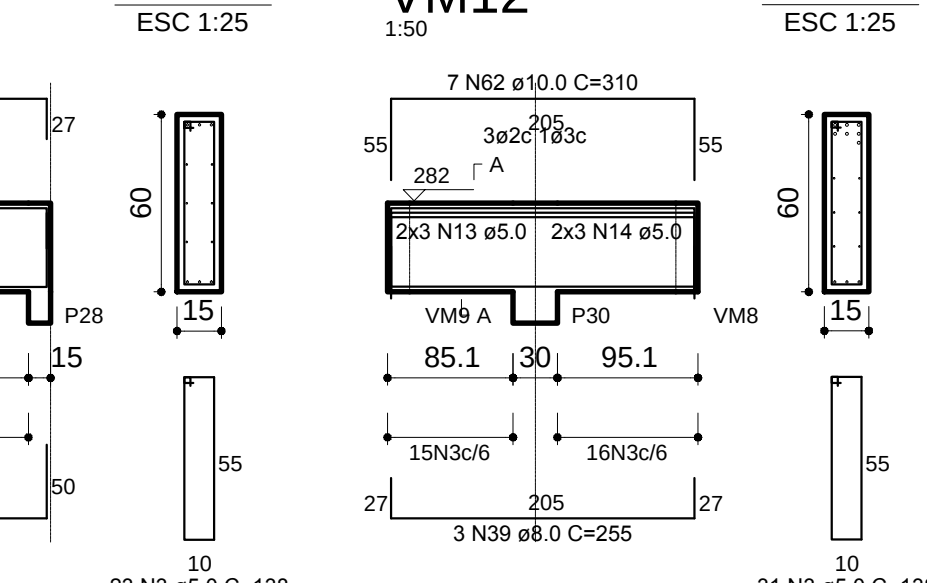
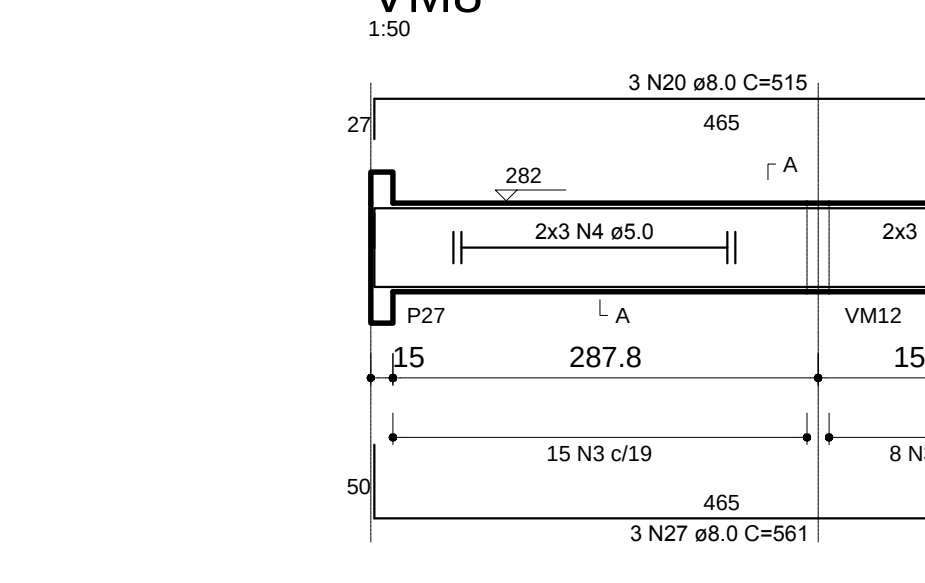
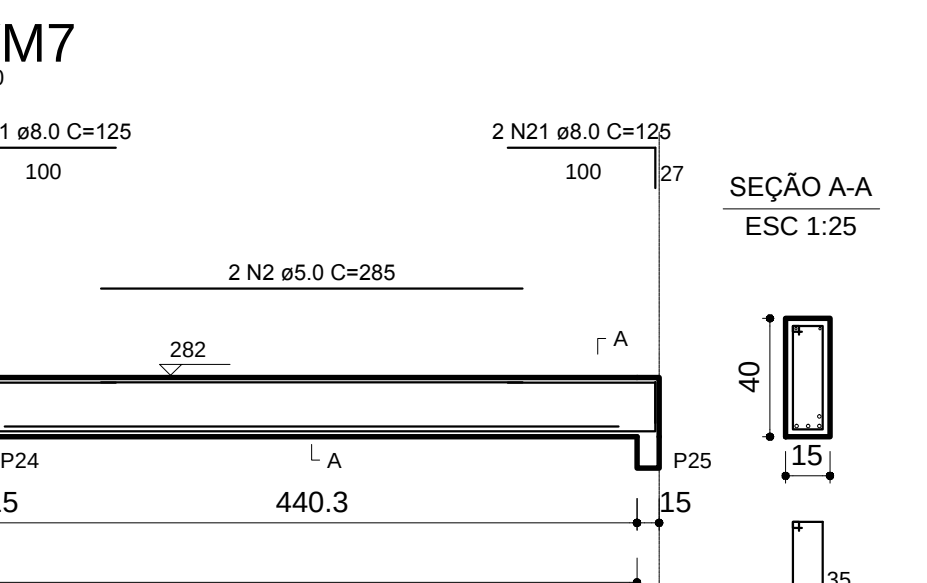
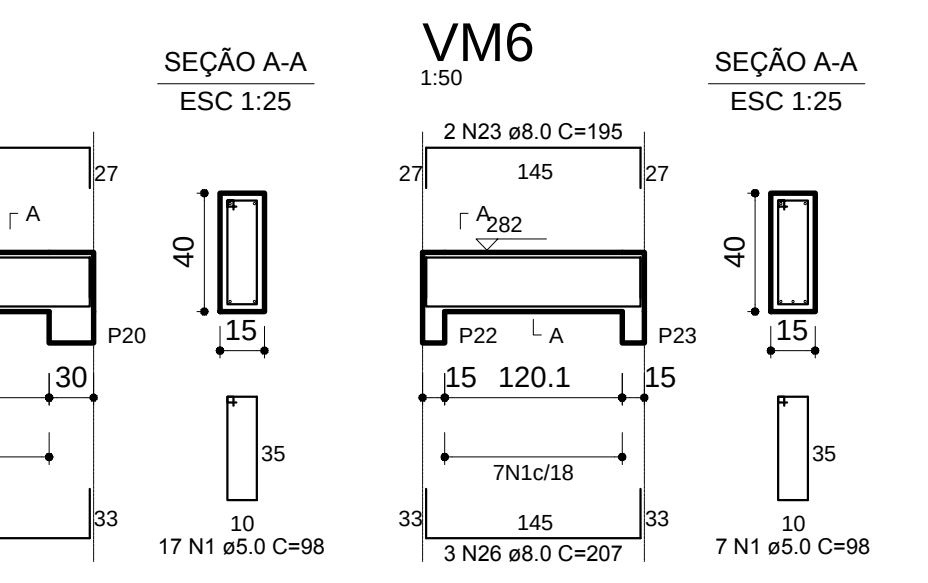
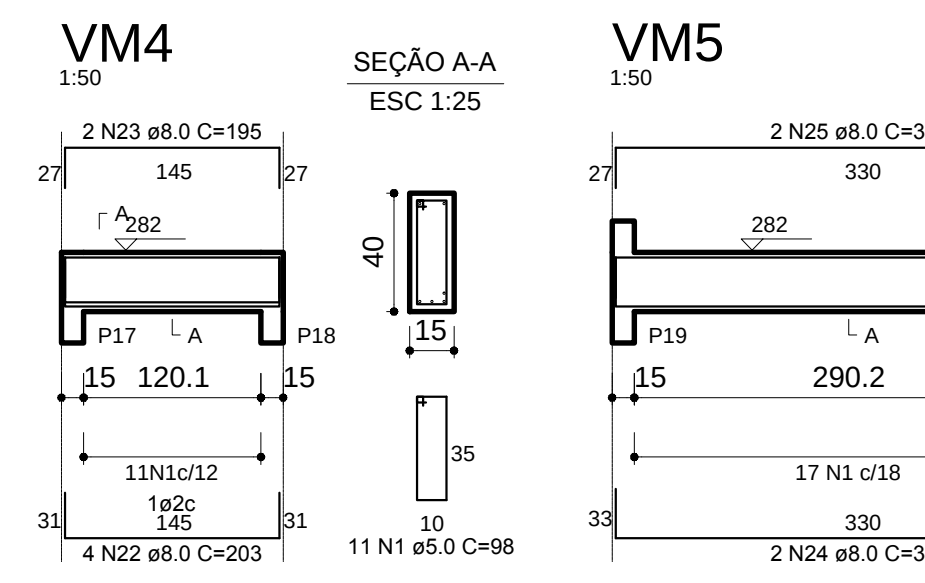
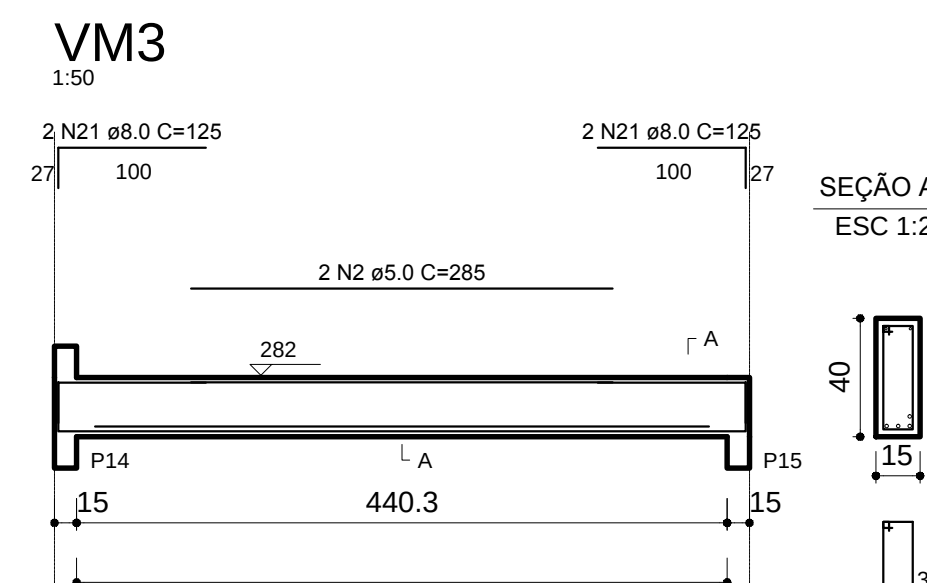
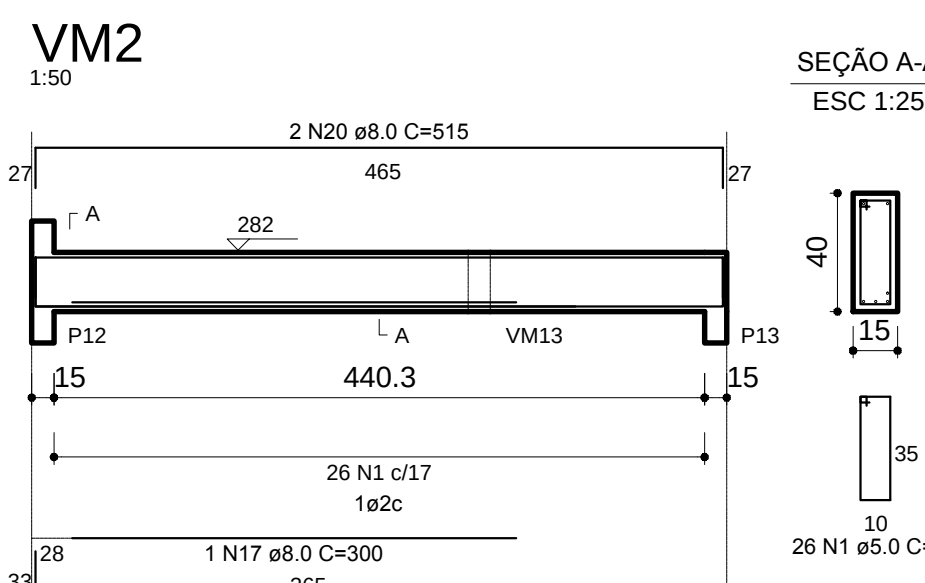
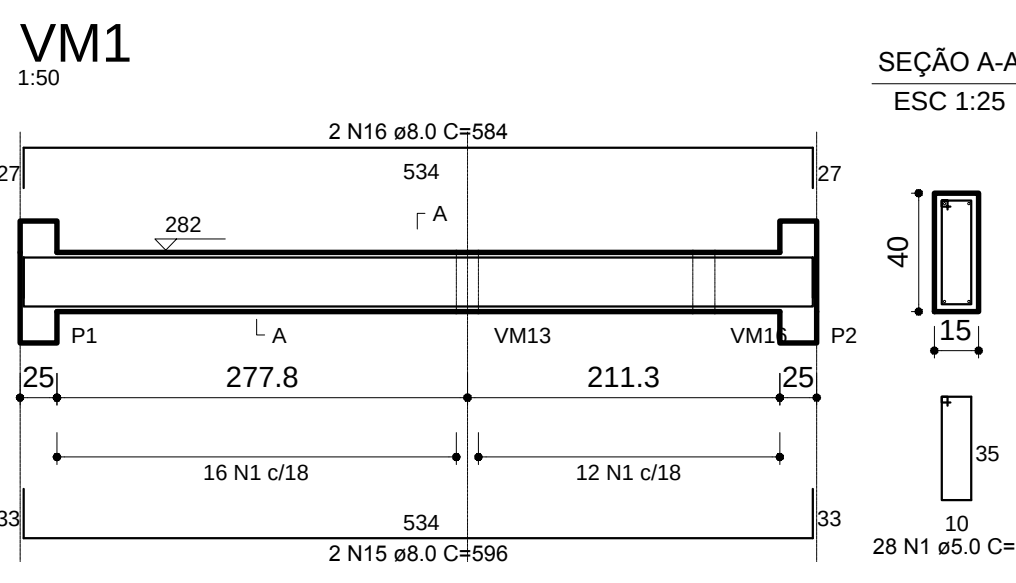




RELAÇÃO DO AÇO

ACO	N	DIAM	Q	UNIT	C.TOTAL
				(CM)	(CM)
50	1	5.0	285	98	27930
	2	5.0	4	295	1140
	3	5.0	77	138	10626
	4	5.0	12	cor	3636
	5	5.0	12	cor	2016
	6	5.0	131	118	17818
	7	5.0	4	cor	2156
	8	5.0	4	cor	1100
	9	5.0	4	cor	52
	10	5.0	8	cor	2600
	11	5.0	8	cor	4424
	12	5.0	4	cor	812
	13	5.0	6	cor	600
	14	5.0	6	cor	660
	15	8.0	2	596	1192
	16	8.0	2	584	1168
	17	8.0	1	300	300
	18	8.0	1	396	396
	19	8.0	8	517	4136
	20	8.0	8	515	4120
	21	8.0	4	203	812
	22	8.0	4	203	812
	23	8.0	2	392	784
	24	8.0	2	390	780
	25	8.0	1	561	561
	26	8.0	3	207	621
	27	8.0	6	501	3006
	28	8.0	1	368	368
	29	8.0	2	163	326
	30	8.0	3	837	2511
	31	8.0	2	383	766
	32	8.0	2	378	756
	33	8.0	2	1136	2272
	34	8.0	3	577	1731
	35	8.0	2	530	1060
	36	8.0	1	275	275
	37	8.0	1	652	652
	38	8.0	2	997	1994
	39	8.0	3	255	765
	40	8.0	2	387	774
	41	8.0	2	375	750
	42	8.0	2	308	616
	43	8.0	2	1029	2058
	44	8.0	2	380	760
	45	8.0	2	384	768
	46	8.0	1	225	225
	47	8.0	2	415	830
	48	8.0	1	280	280
	49	8.0	1	683	683
	50	8.0	2	1198	2396
	51	8.0	2	446	892
	52	8.0	1	283	283
	53	8.0	2	973	1946
	54	8.0	2	220	440
	55	8.0	2	972	1944
	56	10.0	2	379	758
	57	10.0	2	315	630
	58	10.0	3	330	990
	59	10.0	3	390	1170
	60	10.0	2	1183	2366
	61	10.0	2	323	646
	62	10.0	2	310	620
	63	12.5	2	415	830
	64	12.5	6	525	3150
	65	12.5	4	616	2464

RESUMO DO AÇO

CASO	DIAM	C.TOTAL (m)	PESO+0% (kg)
5.0	5.0	765.2	117.8
8.0	8.0	445.8	176.2
10.0	10.0	65.4	52.7
12.5	12.5	64.5	62.1
PESO TOTAL CASO		498.8	

Vol. de concreto total = 6.48 m³
Área de forma total = 100.57 m²

IFF – UEP URUGUAIANA / GINÁSIO

PROJETO ESTRUTURAL

Planta Detalham. Armadura Vigas Mezanino

Proprietário: UEP – Uruguiana

R. Monteiro Lobato, 4442 – Uruguiana/RS

Engº Civil Valtier O. S. Orea

CREA RS-144527/D

1.114,41m2

07/08

Escala: 1:100