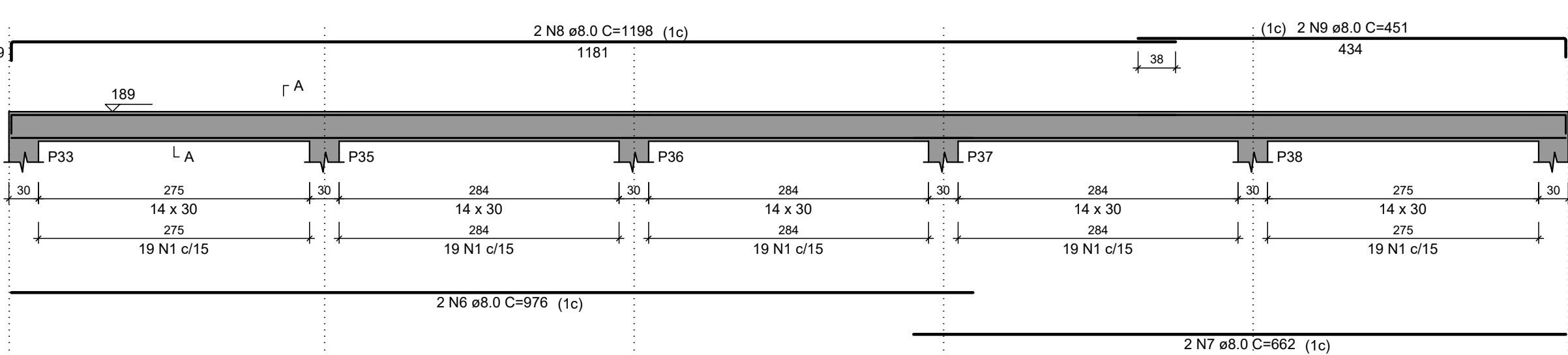
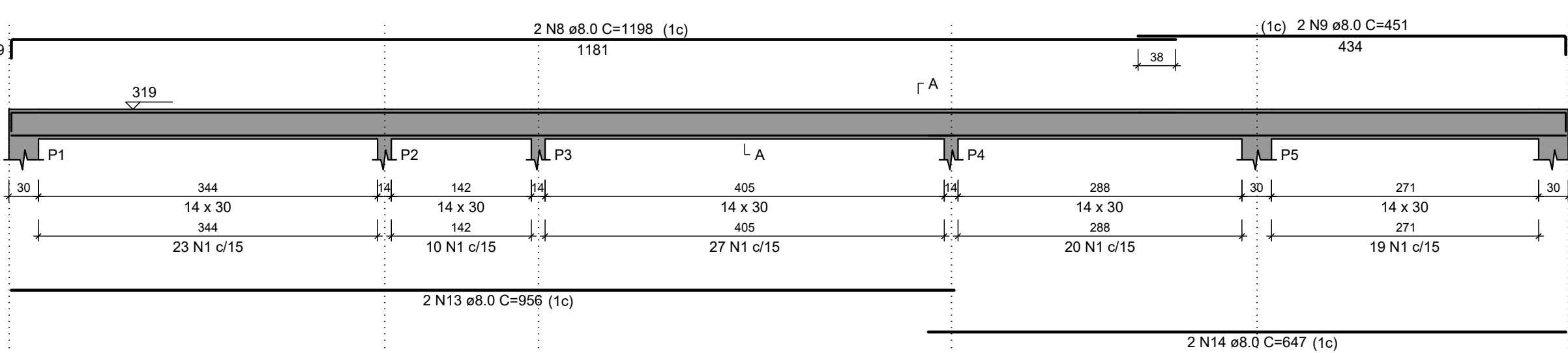


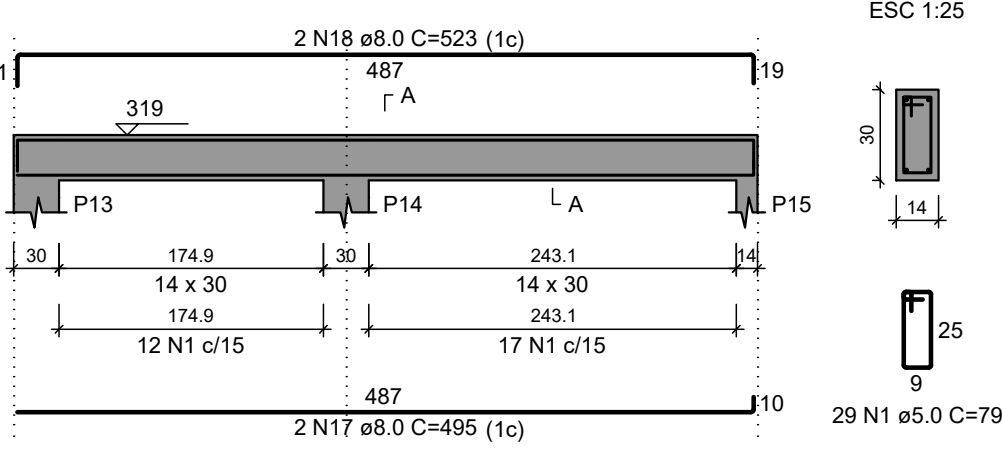
MC1



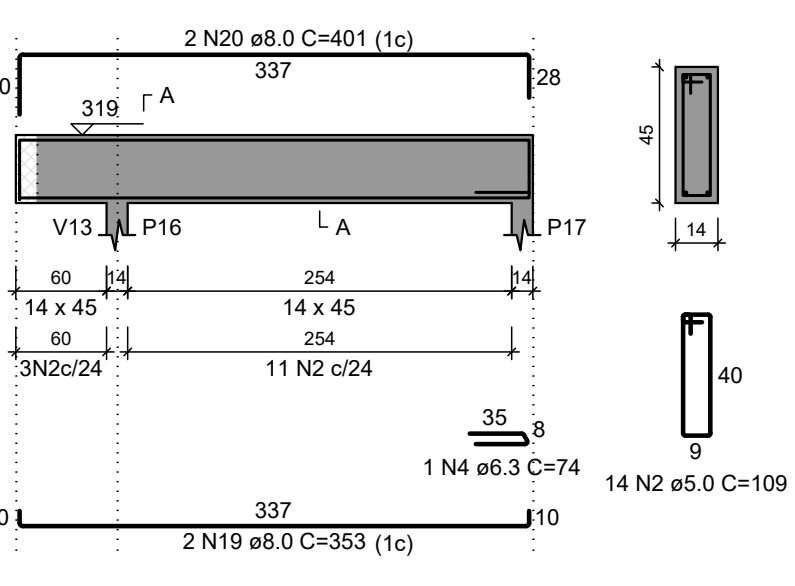
V1



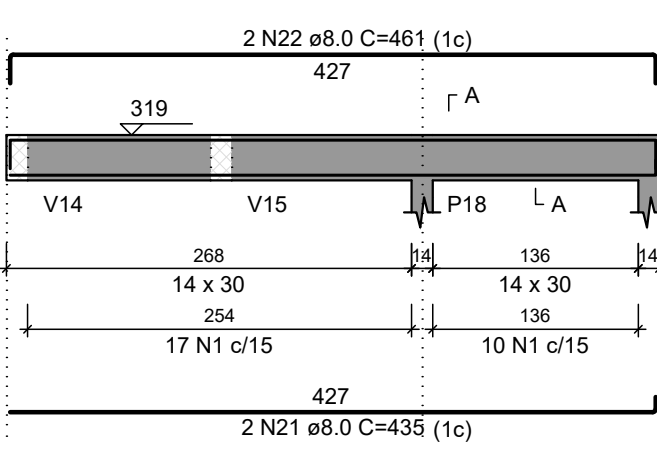
V3



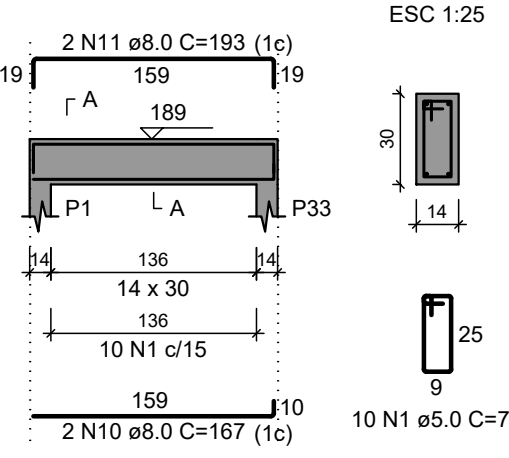
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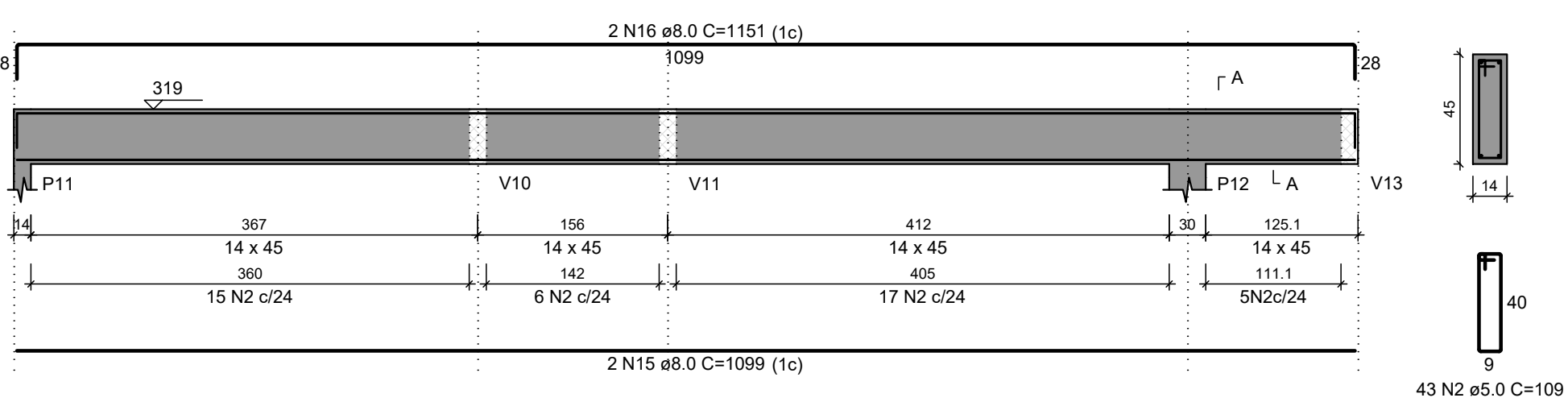
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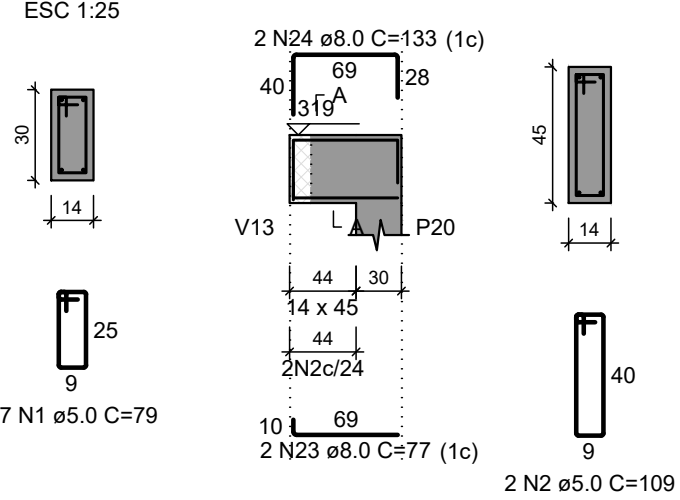
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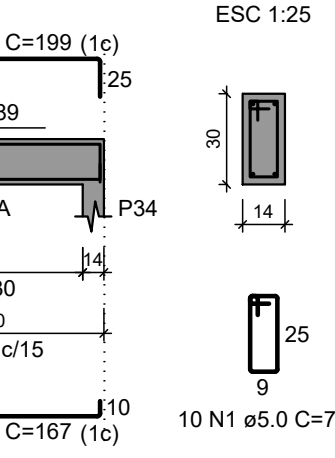
V2



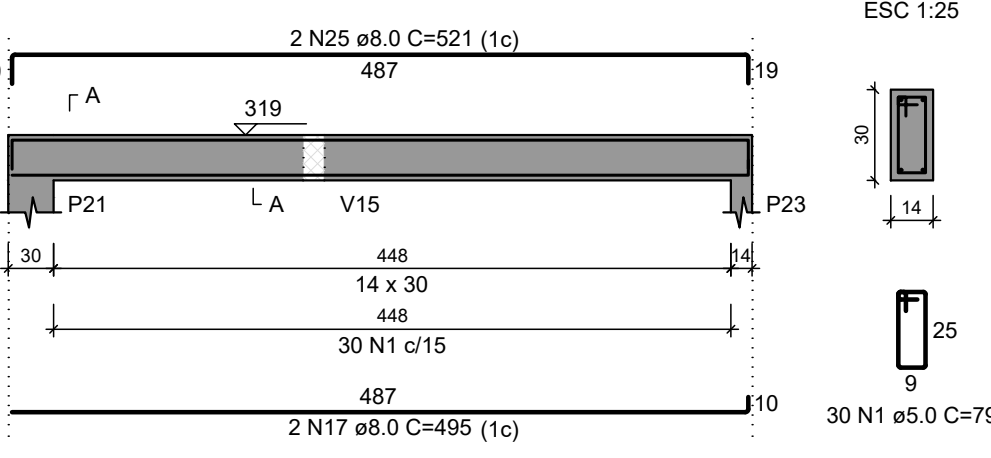
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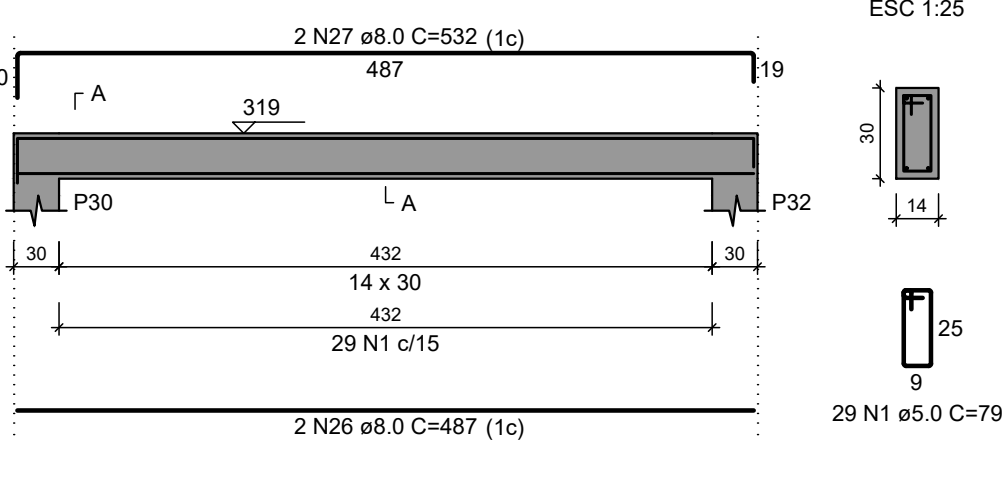
MC3



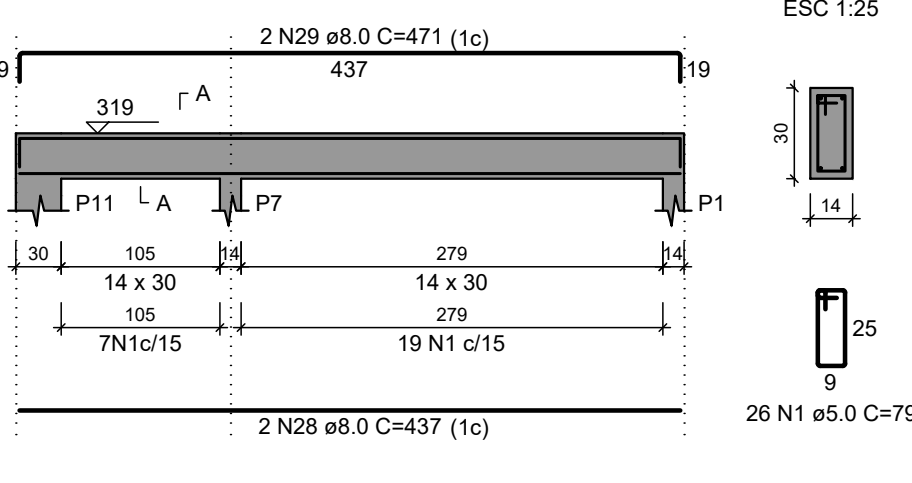
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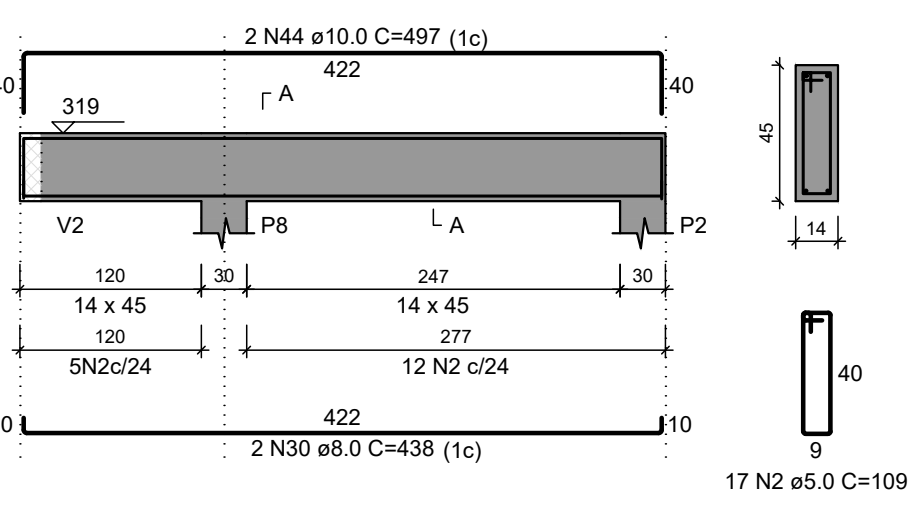
V8



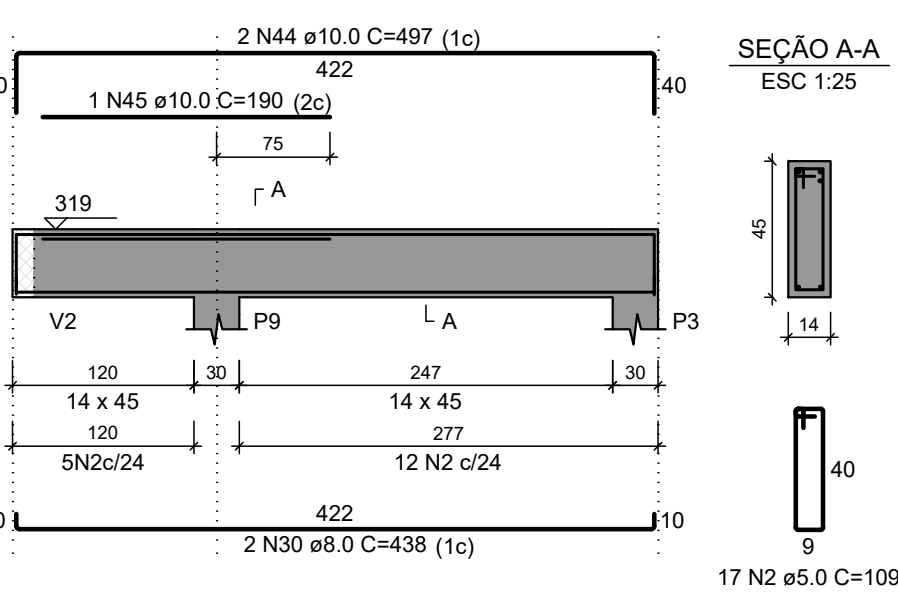
V9



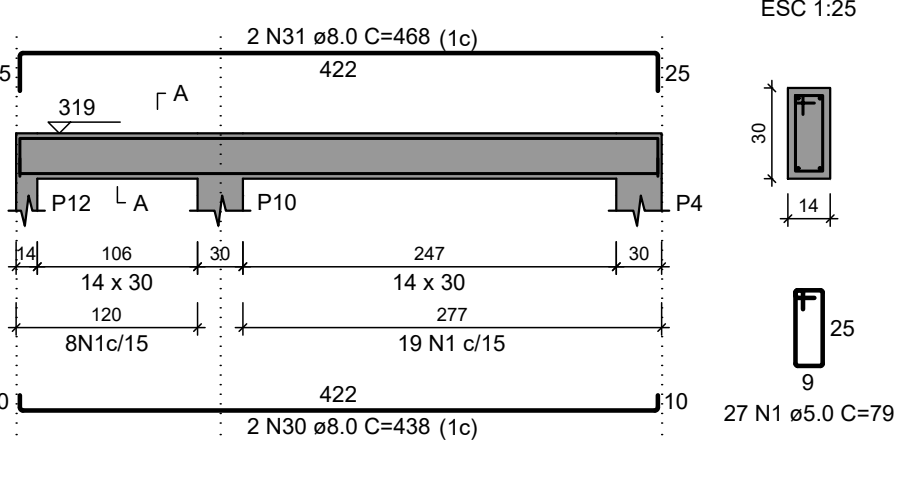
V10



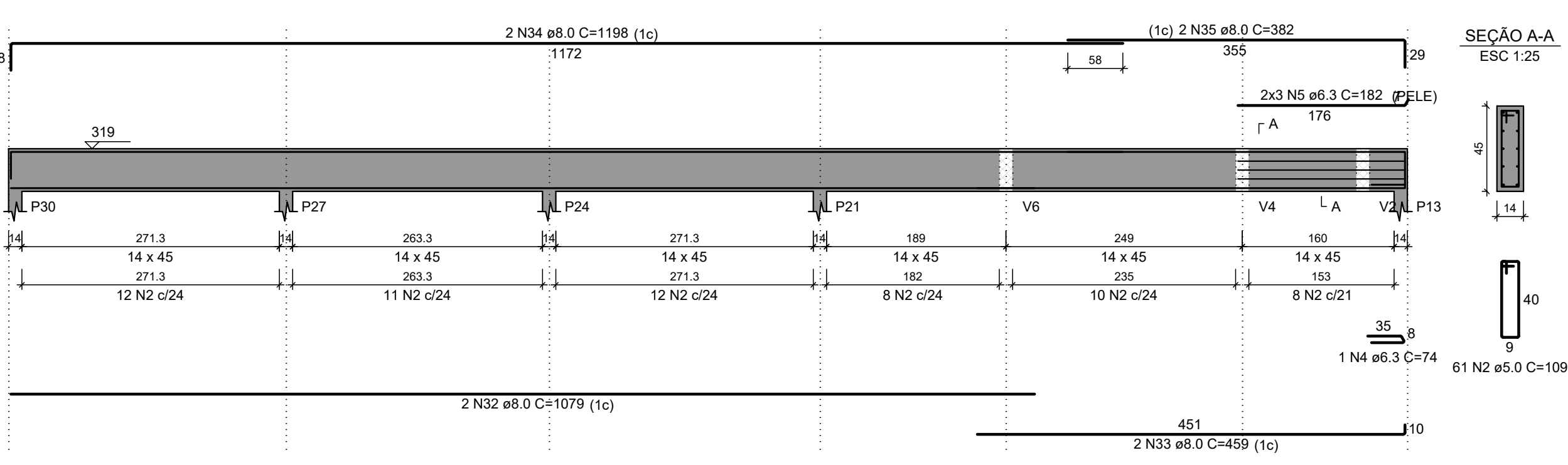
V11



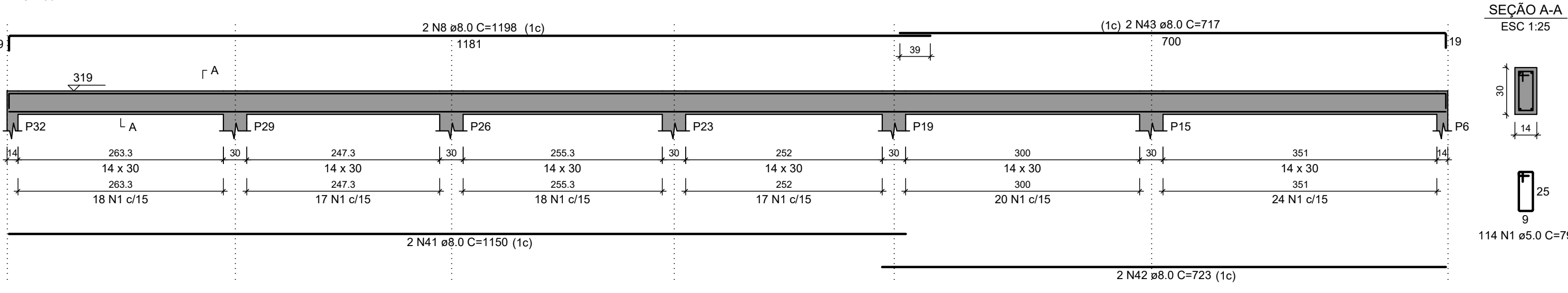
V12



V13



V17



RELAÇÃO DO AÇO					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
MC1	1	5.0	537	79	42423
V1	2	5.0	154	109	16786
V4	3	5.0	2	291	582
V7	4	6.3	2	74	148
V9	5	6.3	6	182	1092
V10	6	8.0	2	976	1952
V13	7	8.0	2	662	1324
V16	8	8.0	6	1198	7188
	9	8.0	4	451	1804
	10	8.0	4	167	668
	11	8.0	2	193	386
	12	8.0	2	199	398
	13	8.0	2	956	1912
	14	8.0	2	647	1294
	15	8.0	2	1099	2198
	16	8.0	2	1151	2302
	17	8.0	4	495	1980
	18	8.0	2	523	1046
	19	8.0	2	353	706
	20	8.0	2	401	802
	21	8.0	2	435	870
	22	8.0	2	467	922
	23	8.0	2	77	154
	24	8.0	2	133	266
	25	8.0	2	521	1042
	26	8.0	2	461	922
	27	8.0	2	532	1064
	28	8.0	2	437	874
	29	8.0	2	471	942
	30	8.0	6	438	2628
	31	8.0	2	468	936
	32	8.0	2	1079	2158
	33	8.0	2	459	918
	34	8.0	2	1198	2396
	35	8.0	2	382	764
	36	8.0	2	258	516
	37	8.0	2	292	584
	38	8.0	2	291	582
	39	8.0	2	172	344
	40	8.0	2	206	412
	41	8.0	2	1150	2300
	42	8.0	2	723	1446
	43	8.0	2	717	1434
	44	10.0	4	497	1988
	45	10.0	1	190	190

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	12.4	3.3
	8.0	504.9	219.1
	10.0	21.8	14.8
CA60	5.0	597.9	101.4
PESO TOTAL (kg)			
CA50	237.2		
CA60	101.4		
Volume de concreto (C-25) = 6.14 m³ Área de forma = 105.52 m²			



Prefeitura Municipal de Tubarão
Secretaria de Urbanismo,
Mobilidade e Planejamento

Projeto Estrutural

OBJETO AMPLIAÇÃO UBS BOM PASTOR			PROJETO Rua Hilário Damian Bairro Bom Pastor - Tubarão/SC
ASSINADO DETALHAMENTO DAS VIGAS DA COBERTURA			RESP. TÉCNICO: RICHARD RODRIGUES ALEXANDRE Engenheiro Civil - CREA/SC nº 044.082-2
ESCALA Indicada	DATA Fev/2020	ARQUIVO est_UBS Bom Pastor 02.dwg	

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