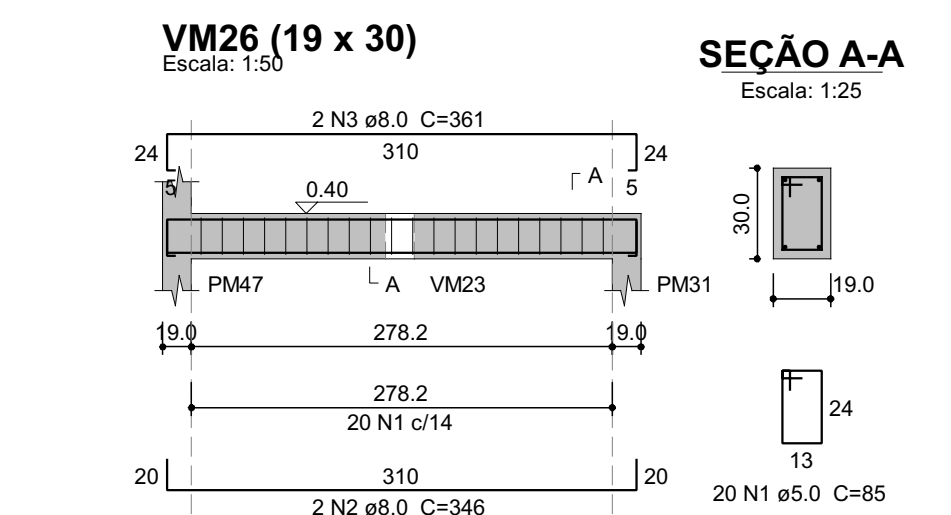
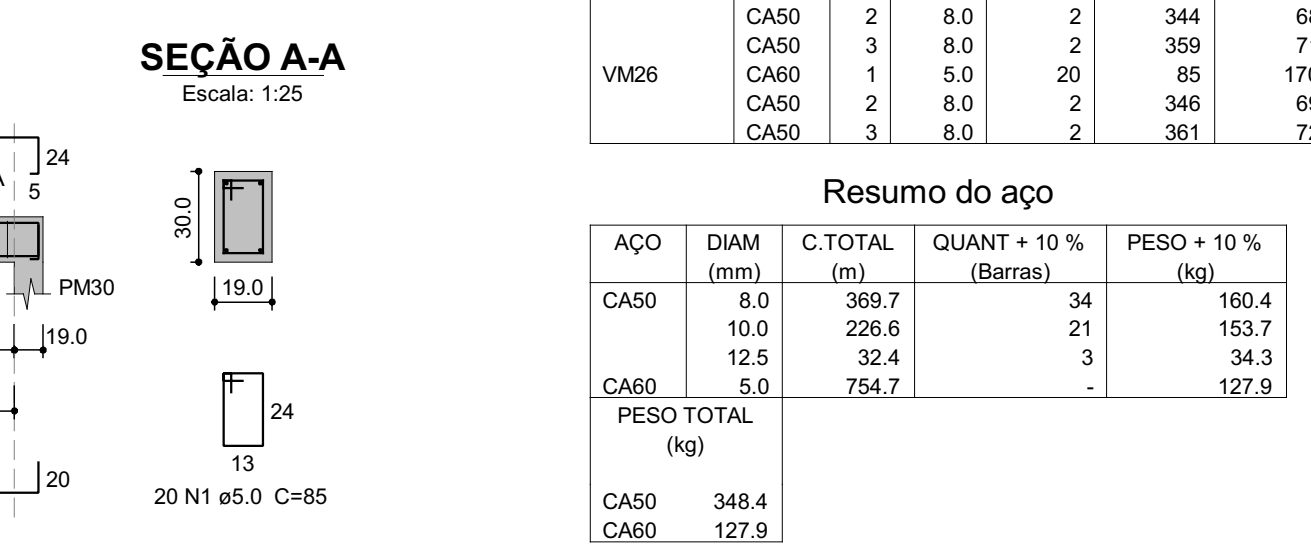
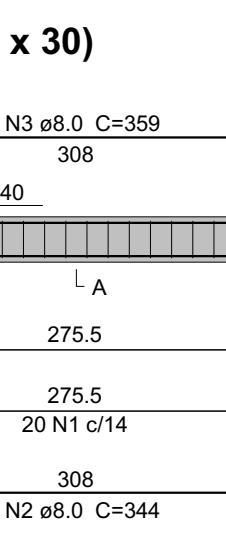
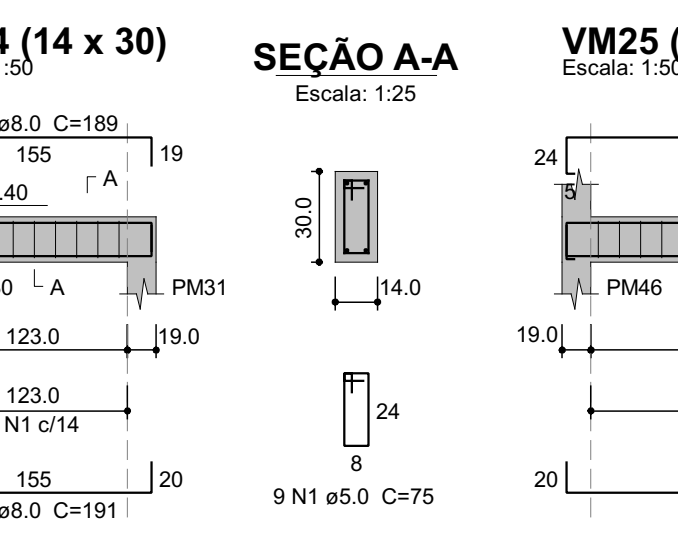
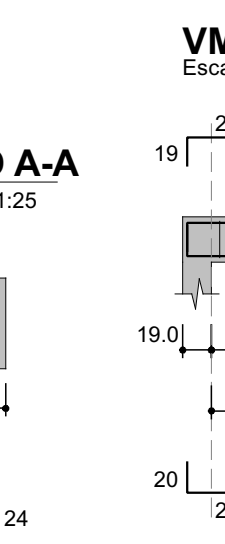
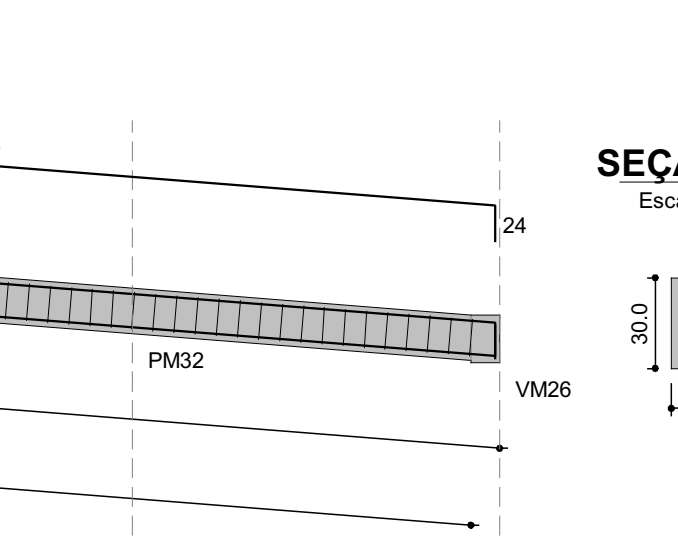
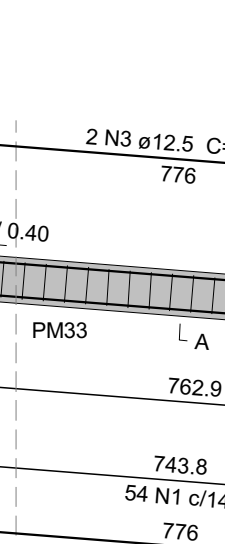
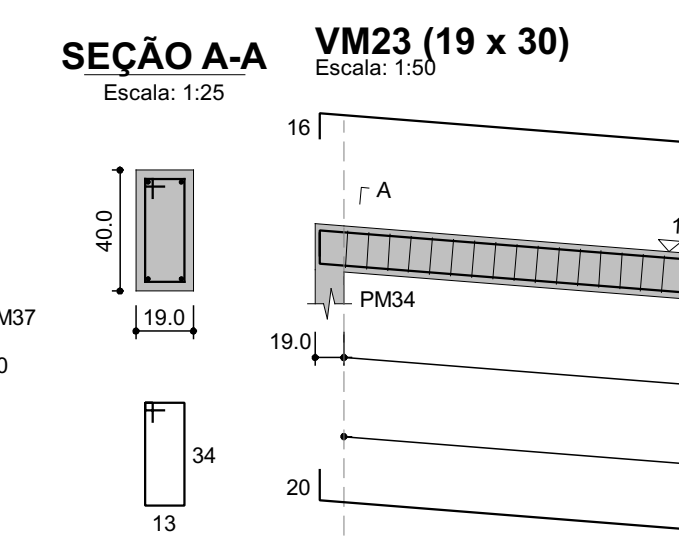
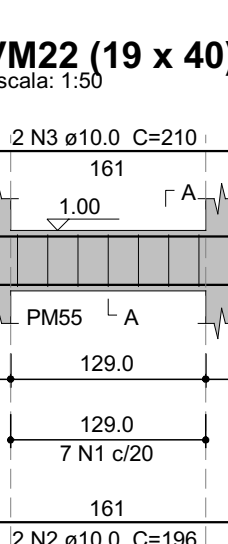
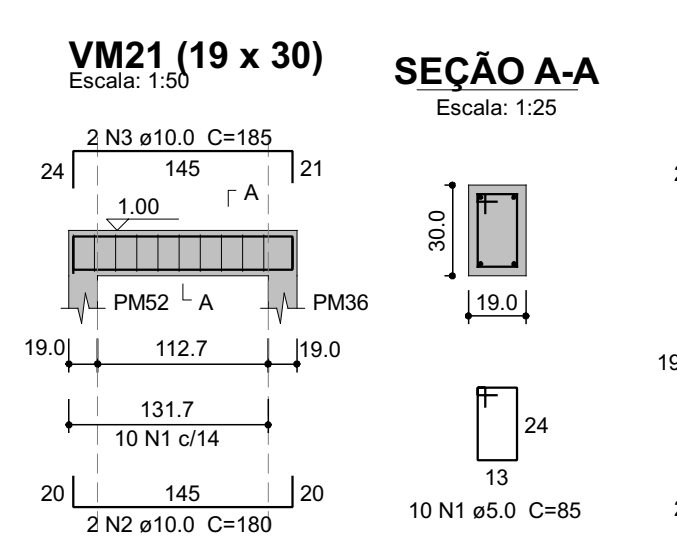
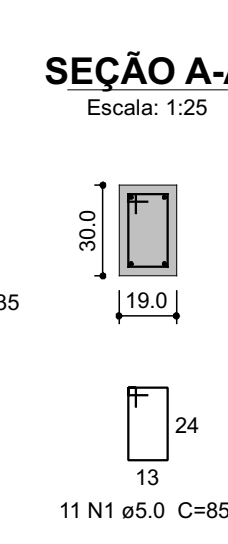
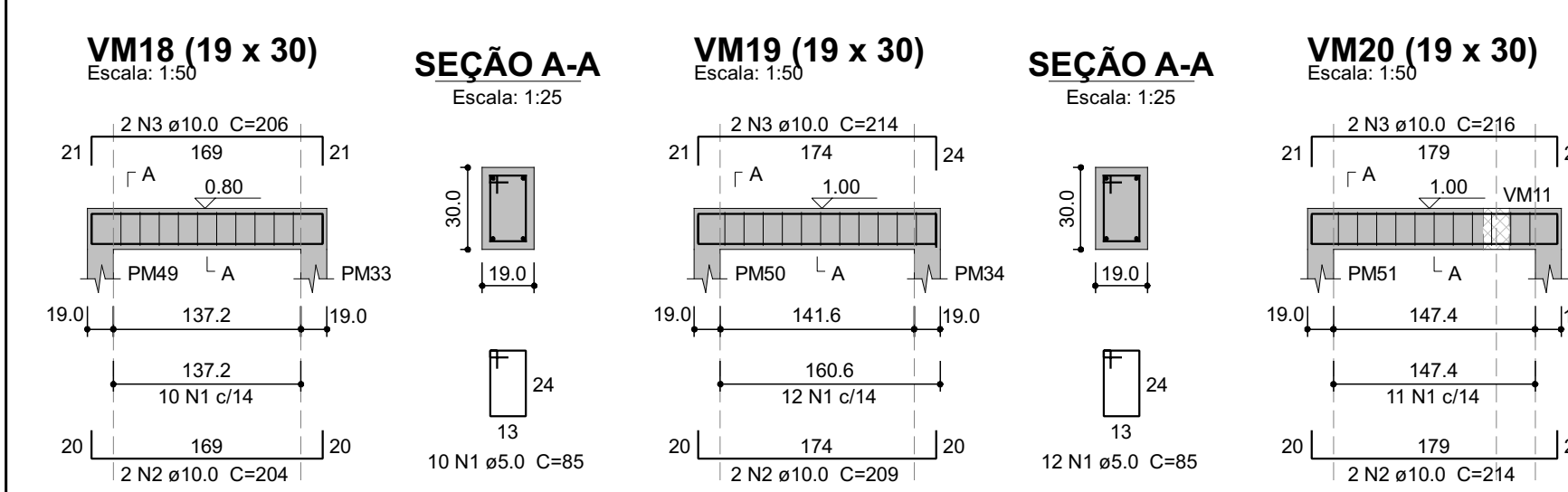
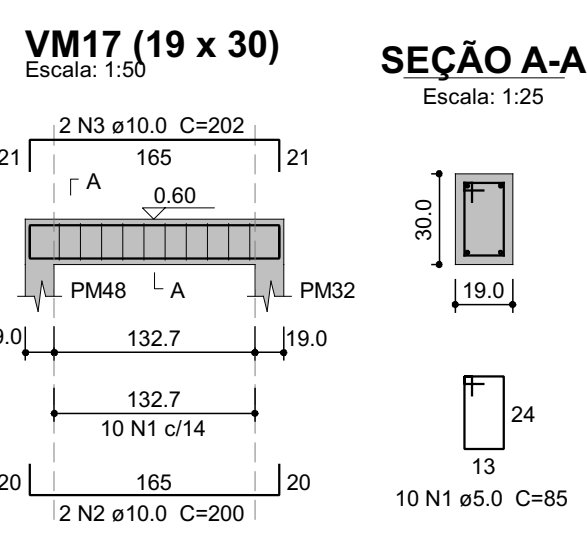
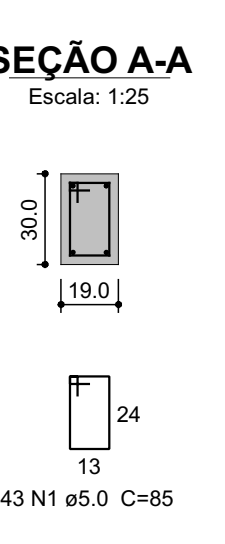
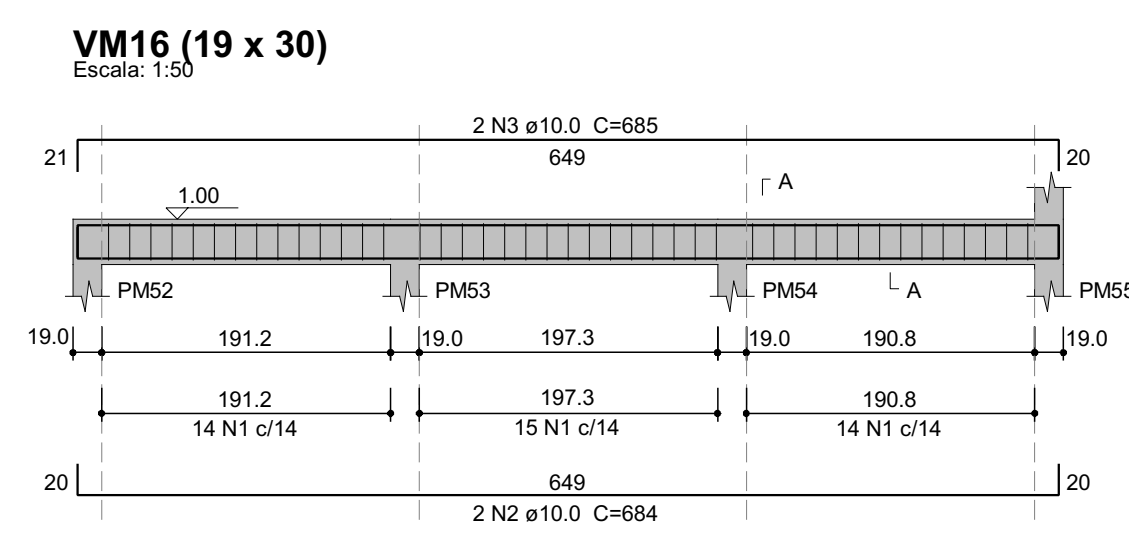
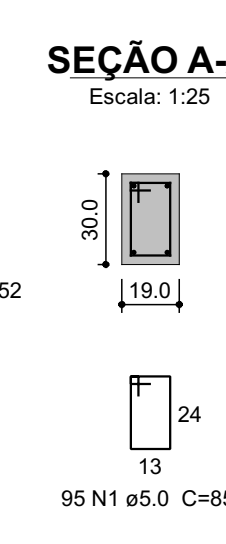
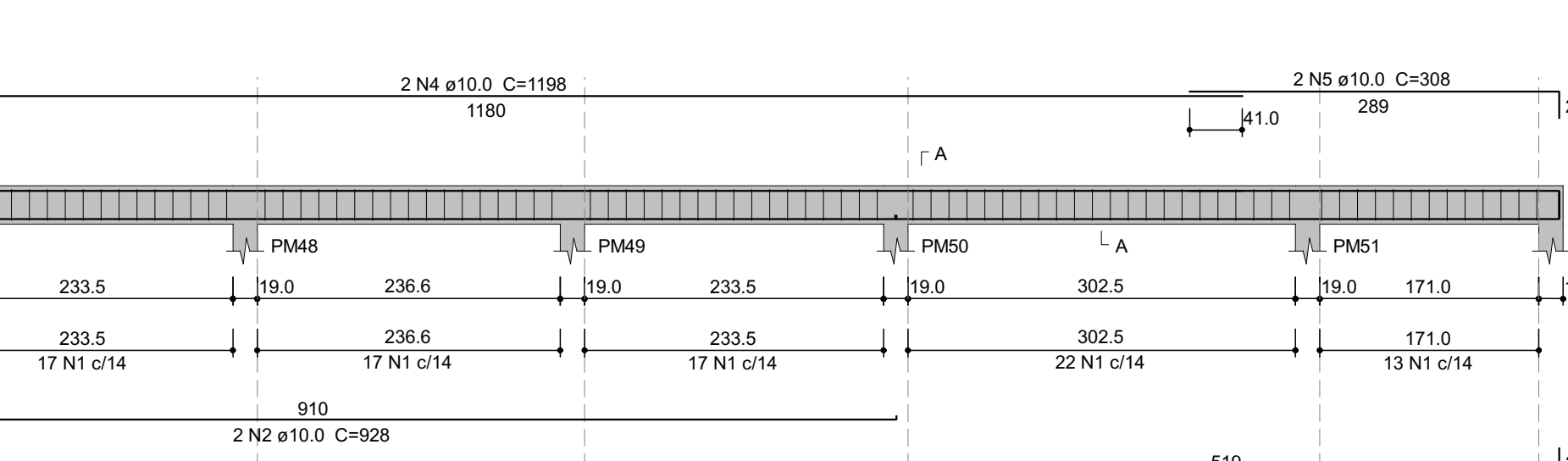
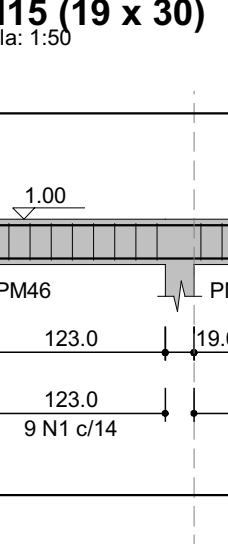
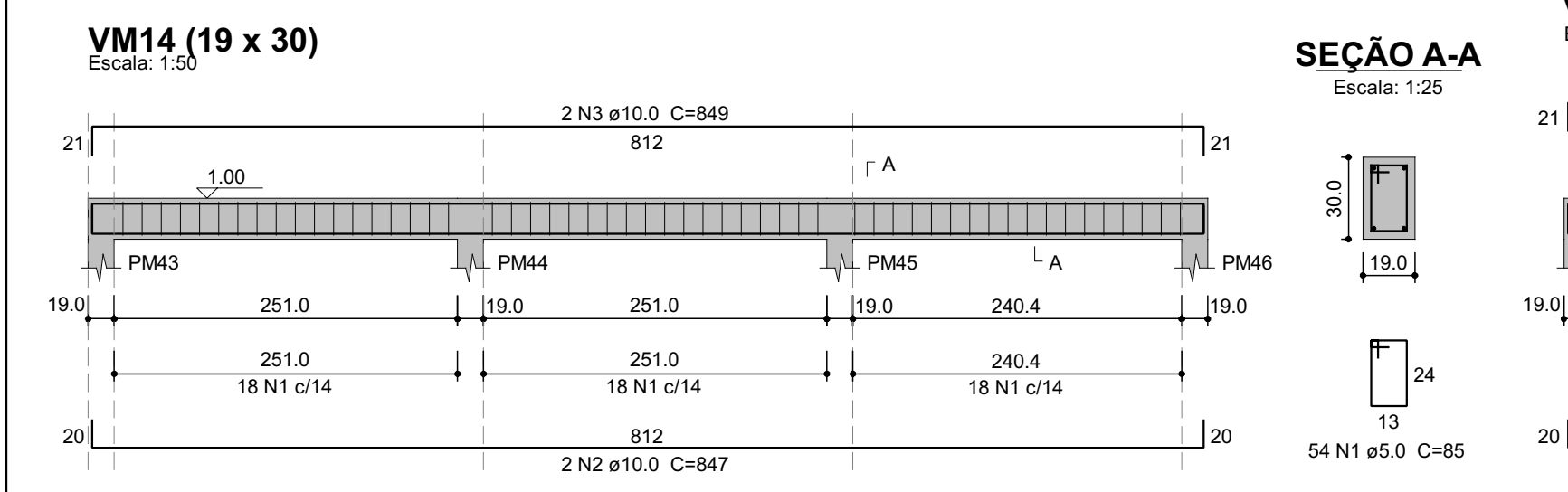
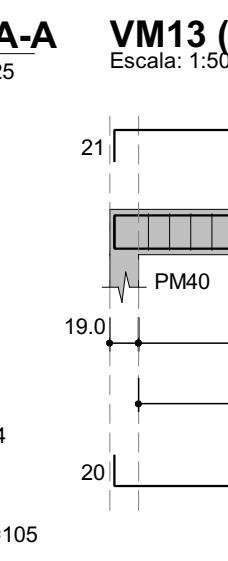
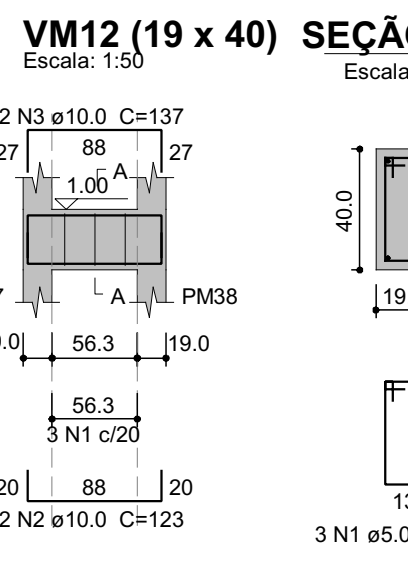
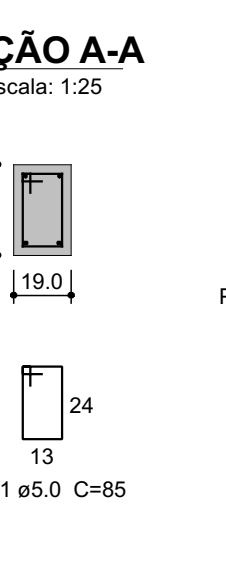
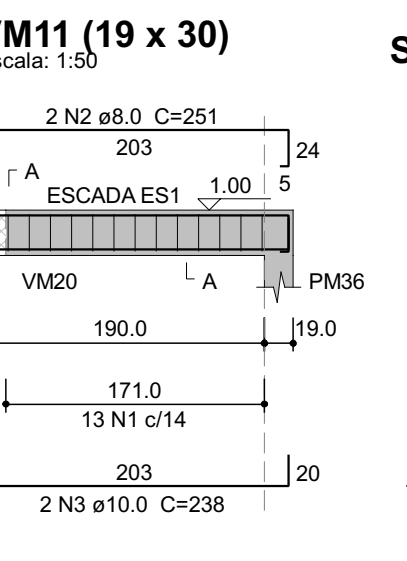
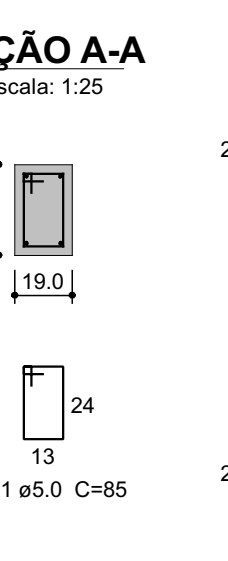
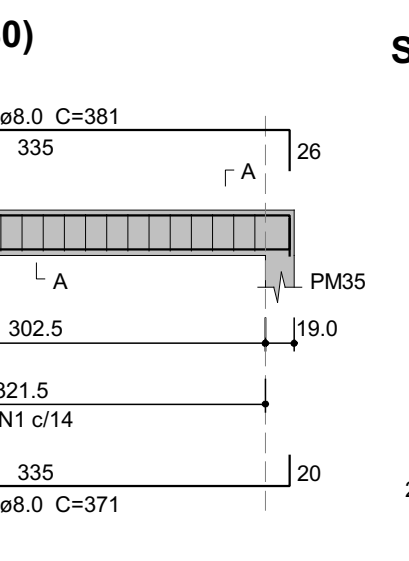
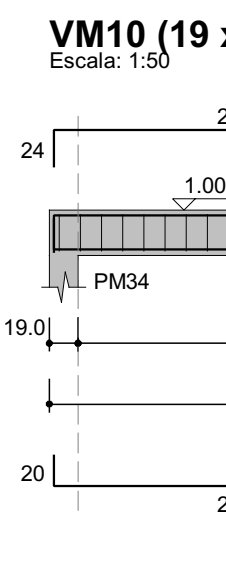
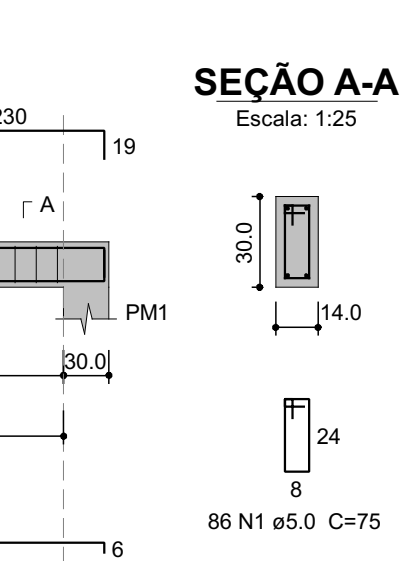
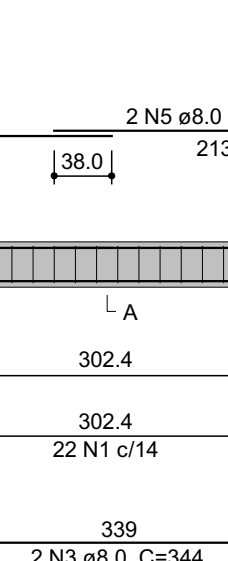
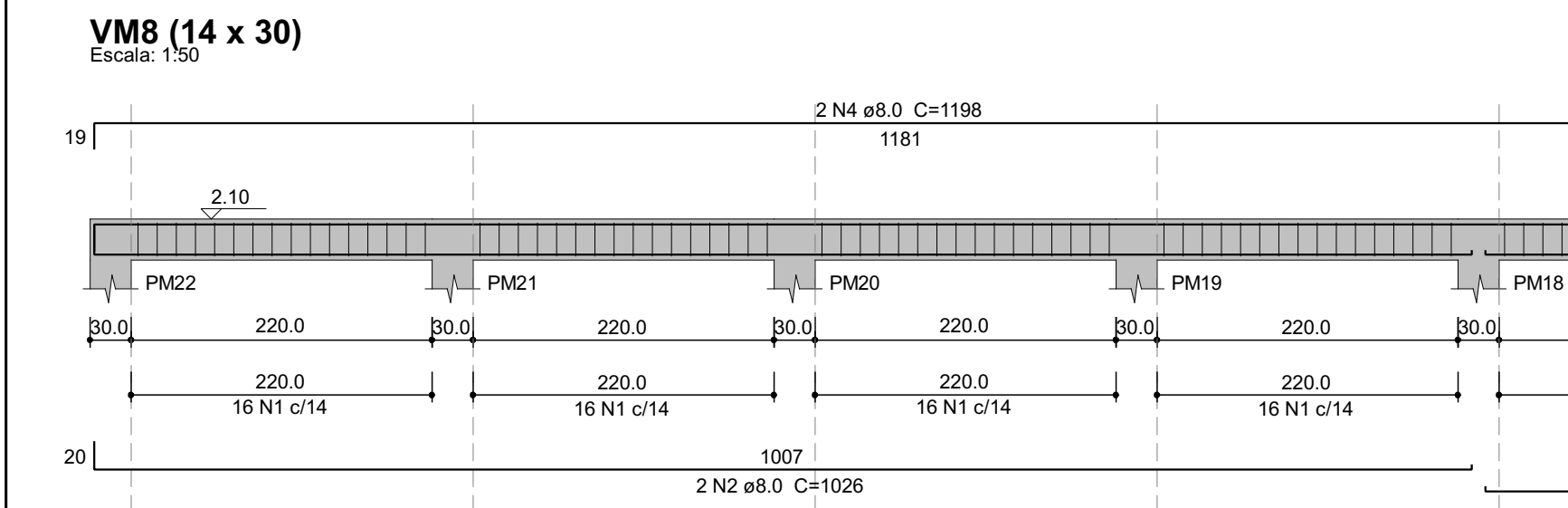
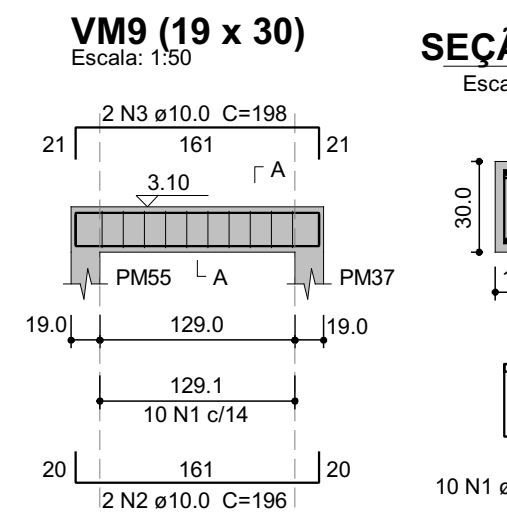
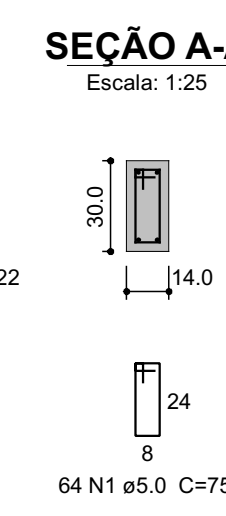
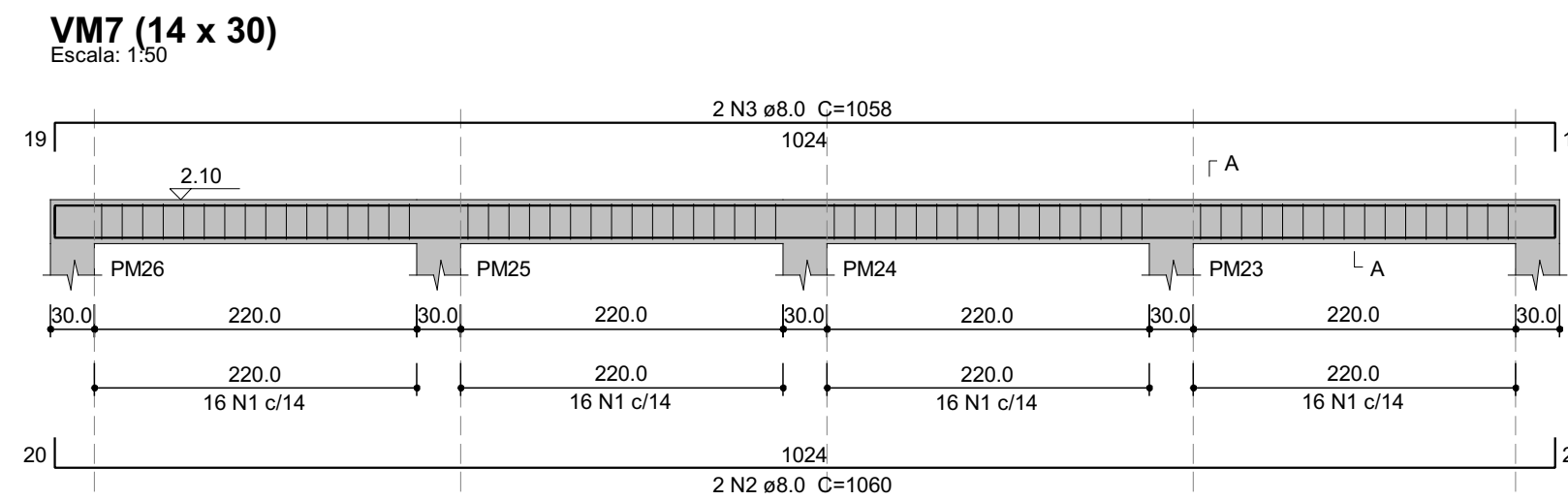
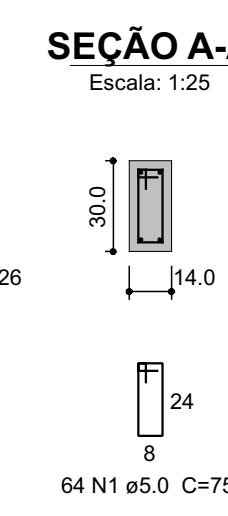
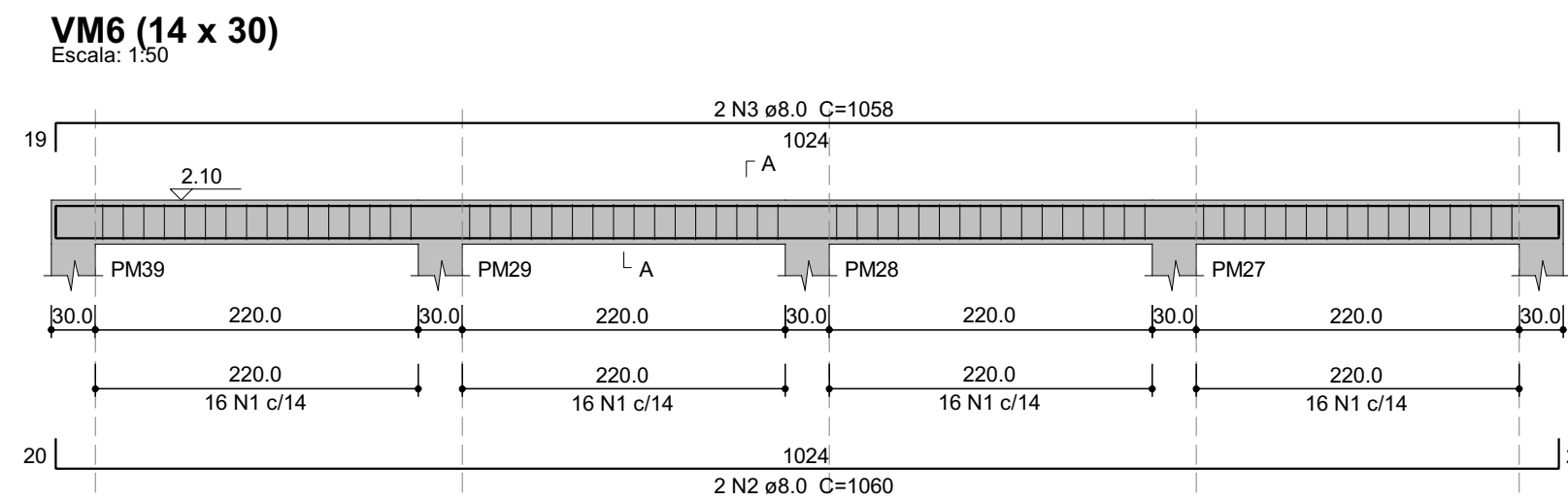
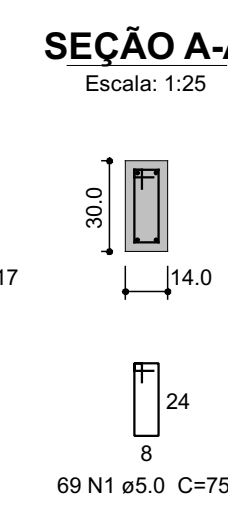
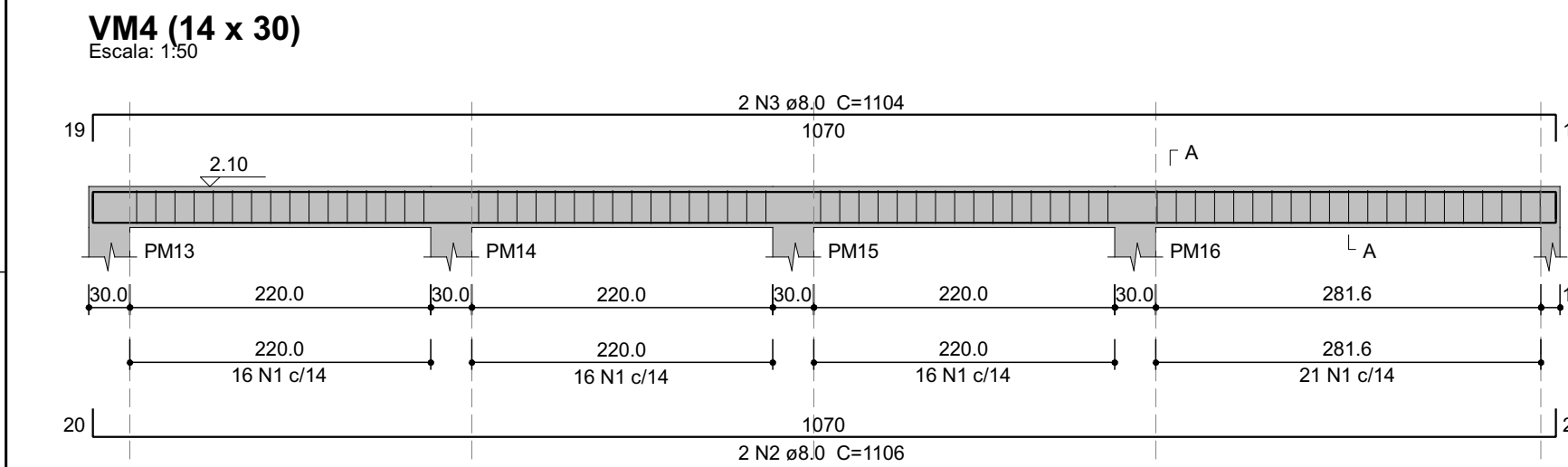
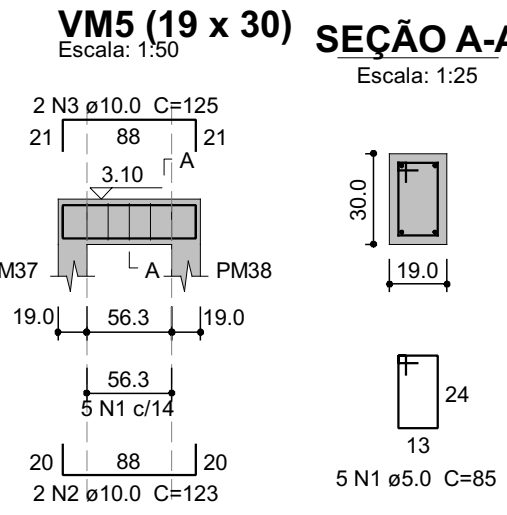
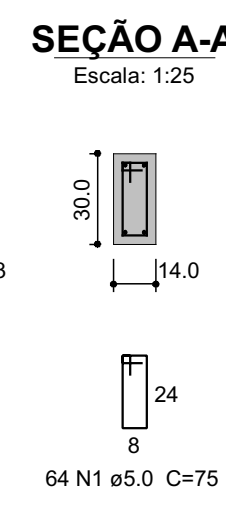
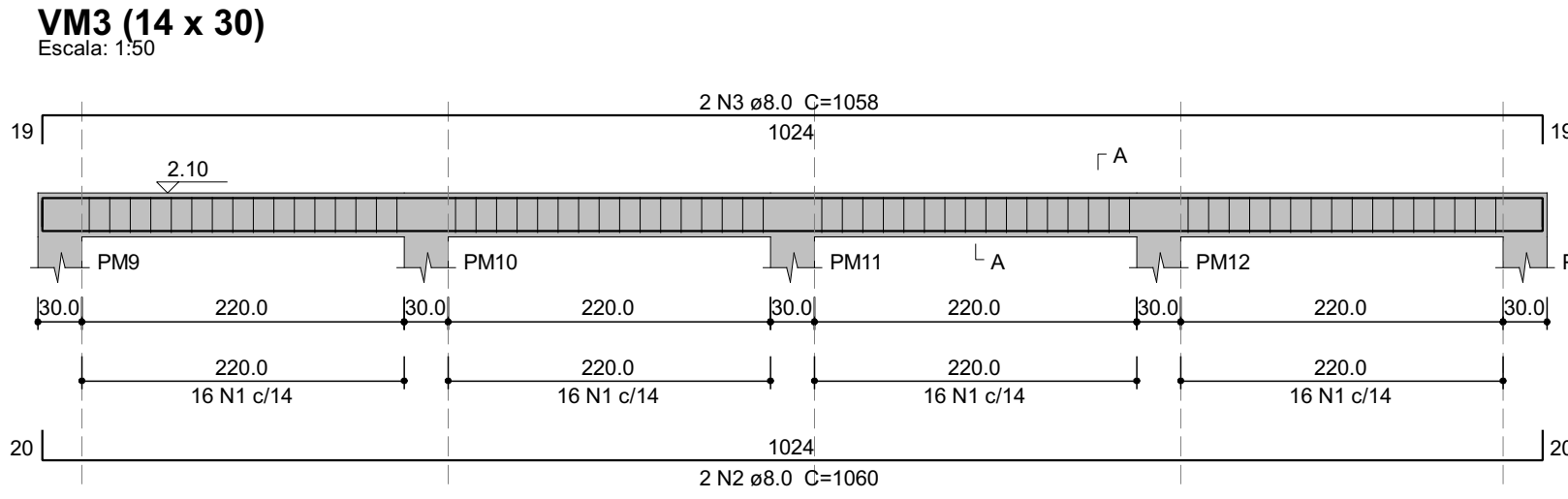
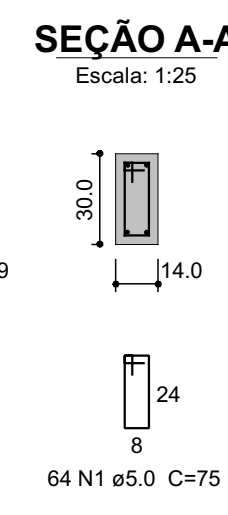
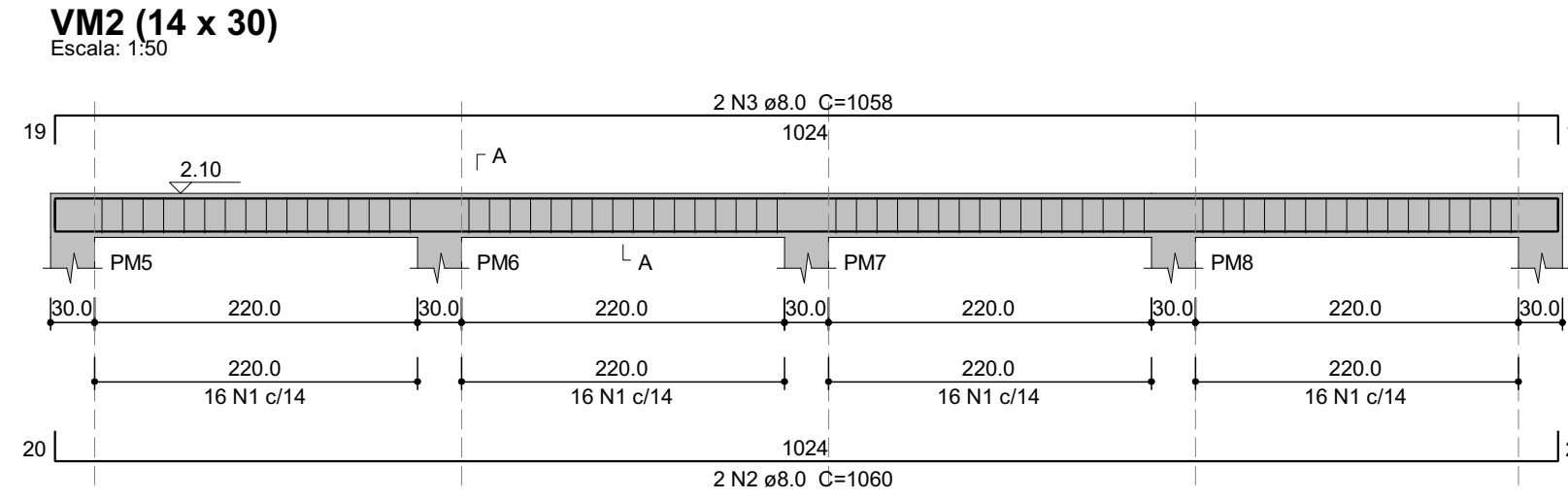
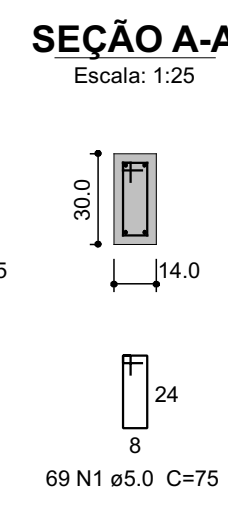
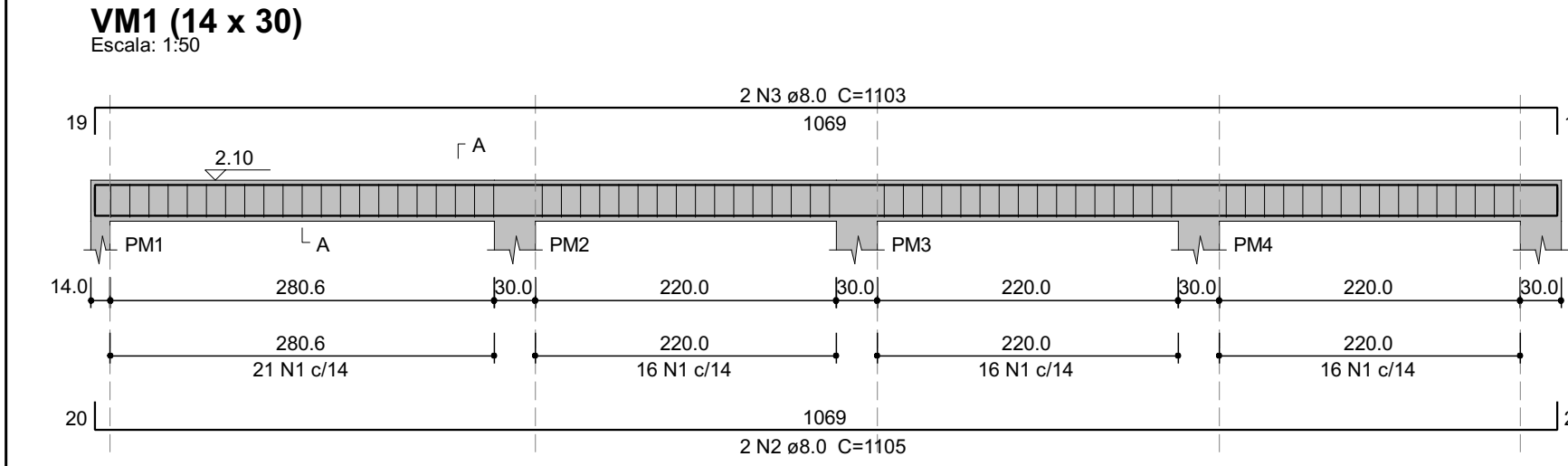




Relação do aço						
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
VM1	CA60	1	5.0	69	5175	5175
	CA50	2	8.0	2	1105	2210
	CA50	3	8.0	2	1103	2206
VM2	CA60	1	5.0	64	75	4800
	CA50	2	8.0	2	1060	2120
	CA50	3	8.0	2	1058	2116
VM3	CA60	1	5.0	64	75	4800
	CA50	2	8.0	2	1060	2120
	CA50	3	8.0	2	1058	2116
VM4	CA60	1	5.0	69	75	5175
	CA50	2	8.0	2	1105	2212
	CA50	3	8.0	2	1104	2208
VM5	CA60	1	5.0	5	85	425
	CA50	2	10.0	2	123	246
	CA50	3	10.0	2	125	250
VM6	CA60	1	5.0	64	75	4800
	CA50	2	8.0	2	1060	2120
	CA50	3	8.0	2	1058	2116
VM7	CA60	1	5.0	64	75	4800
	CA50	2	8.0	2	1060	2120
	CA50	3	8.0	2	1058	2116
VM8	CA60	1	5.0	86	75	6450
	CA50	2	8.0	2	1026	2052
	CA50	3	8.0	2	344	688
VM9	CA60	1	5.0	2	1198	2396
	CA50	5	8.0	2	230	460
	CA60	1	5.0	10	85	850
VM10	CA60	1	5.0	10	196	392
	CA50	2	10.0	2	198	396
	CA50	3	10.0	2	198	396
VM11	CA60	1	5.0	23	85	1955
	CA50	2	8.0	2	371	742
	CA50	3	8.0	2	381	762
VM12	CA60	1	5.0	13	85	1105
	CA50	2	8.0	2	251	502
	CA50	3	10.0	2	238	476
VM13	CA60	1	5.0	3	105	315
	CA50	2	10.0	2	123	246
	CA50	3	10.0	2	137	274
VM14	CA60	1	5.0	54	85	4590
	CA50	2	10.0	2	858	1716
	CA50	3	10.0	2	860	1720
VM15	CA60	1	5.0	54	85	4590
	CA50	2	10.0	2	847	1694
	CA50	3	10.0	2	849	1698
VM16	CA60	1	5.0	95	85	8075
	CA50	2	10.0	2	928	1856
	CA50	3	10.0	2	537	1074
VM17	CA60	1	5.0	2	1198	2396
	CA50	5	10.0	2	308	616
	CA60	1	5.0	43	85	3655
VM18	CA60	1	5.0	35	85	2975
	CA50	2	10.0	2	884	1768
	CA50	3	10.0	2	685	1370
VM19	CA60	1	5.0	10	85	850
	CA50	2	10.0	2	200	400
	CA50	3	10.0	2	202	404
VM20	CA60	1	5.0	10	85	850
	CA50	2	10.0	2	204	408
	CA50	3	10.0	2	206	412
VM21	CA60	1	5.0	12	85	1020
	CA50	2	10.0	2	209	418
	CA50	3	10.0	2	214	428
VM22	CA60	1	5.0	11	85	935
	CA50	2	10.0	2	214	428
	CA50	3	10.0	2	216	432
VM23	CA60	1	5.0	10	85	850
	CA50	2	10.0	2	180	360
	CA50	3	10.0	2	185	370
VM24	CA60	1	5.0	7	105	735
	CA50	2	10.0	2	196	392
	CA50	3	10.0	2	210	420
VM25	CA60	1	5.0	54	85	4590
	CA50	2	12.5	2	810	1620
	CA50	3	12.5	2	810	1620
VM26	CA60	1	5.0	9	75	675
	CA50	2	8.0	2	191	382
	CA50	3	8.0	2	189	378
VM27	CA60	1	5.0	20	85	1700
	CA50	2	8.0	2	344	688
	CA50	3	8.0	2	359	718
VM28	CA60	1	5.0	20	85	1700
	CA50	2	8.0	2	346	692
	CA50	3	8.0	2	361	722

Resumo do aço				
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	PESO + 10 % (kg)
CA50	8.0	369.7	34	160.4
	10.0	226.6	21	153.7
	12.5	32.4	3	34.3
CA60	5.0	754.7	-	127.9
PESO TOTAL (kg)				
CA50	348.4			
CA60	127.9			
Volume de concreto (C-25) = 6.46 m³				
Área de forma = 98.19 m²				

#	data:	observação:
0	24/08/2026	emissão inicial

DESTRO
ENGENHARIA

ASSUNTO

ENDEREÇO

Rua Machado de Assis, sem nº, Bairro Progresso, Nova Hartz/RS

PROPRIETÁRIOS

MUNICÍPIO DE NOVA HARTZ
CNPJ sob nº 91.995.365/0001-59

PRANCHA

9/14

ÁREA

366,83 m²

ESCALA

Indicada

RESPONSÁVEL TÉCNICO

NICOLAS BEZ BATTI BERGMANN
Engenheiro Civil | CREA