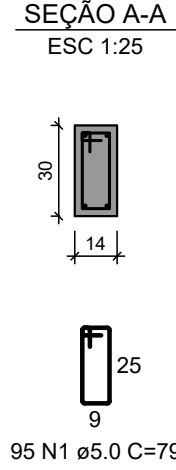
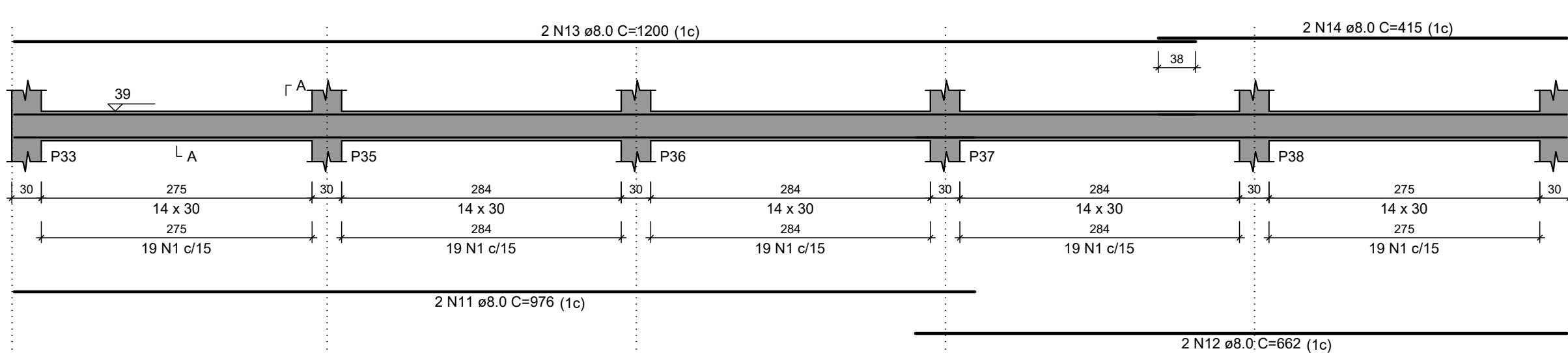
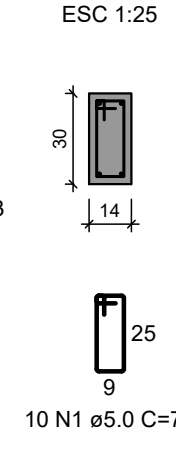
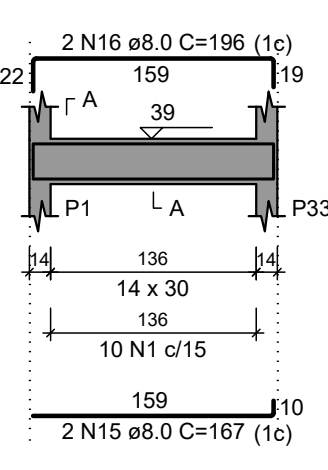


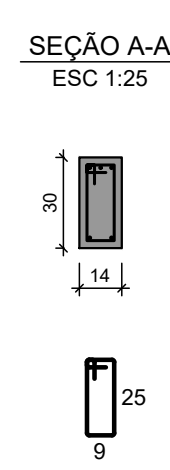
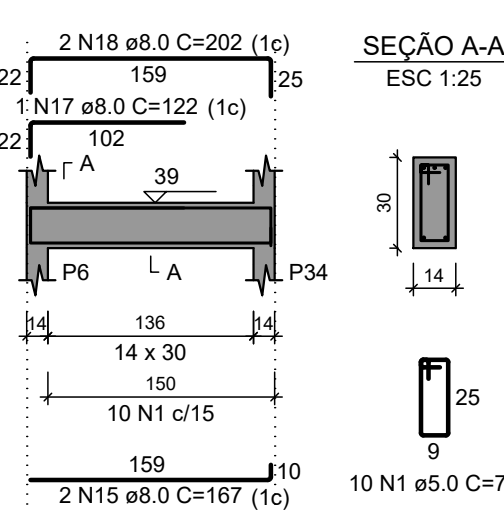
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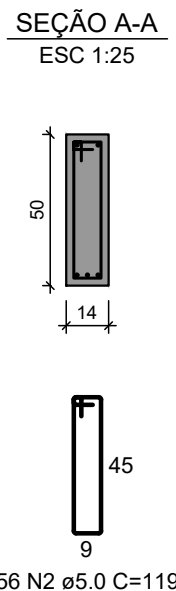
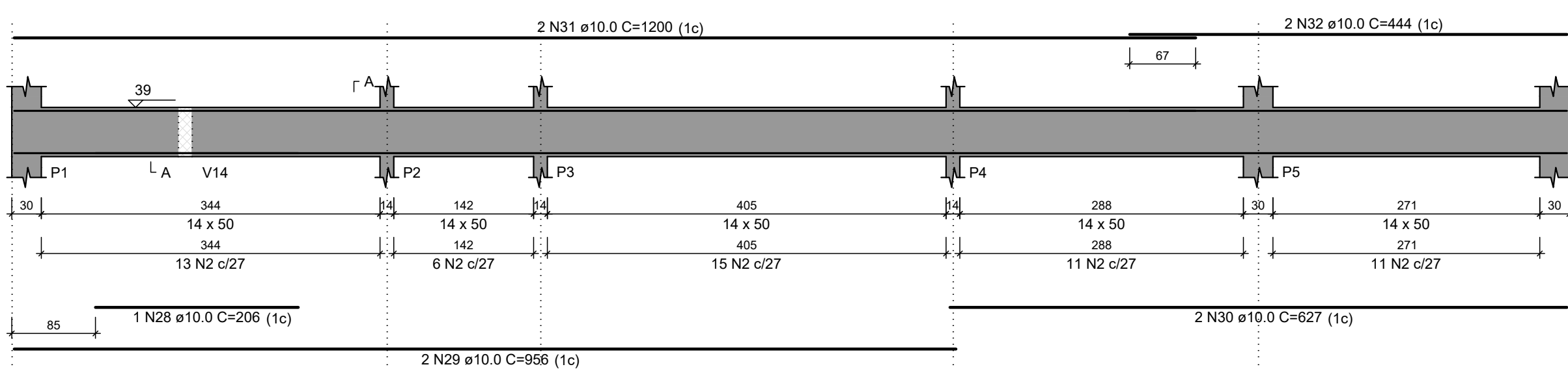
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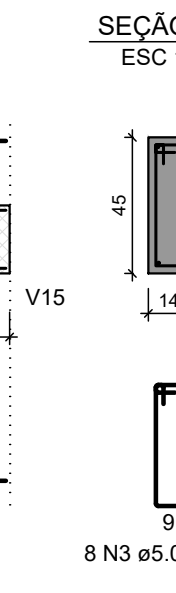
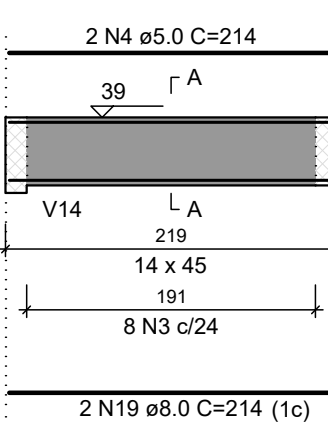
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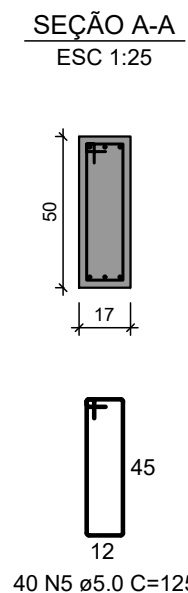
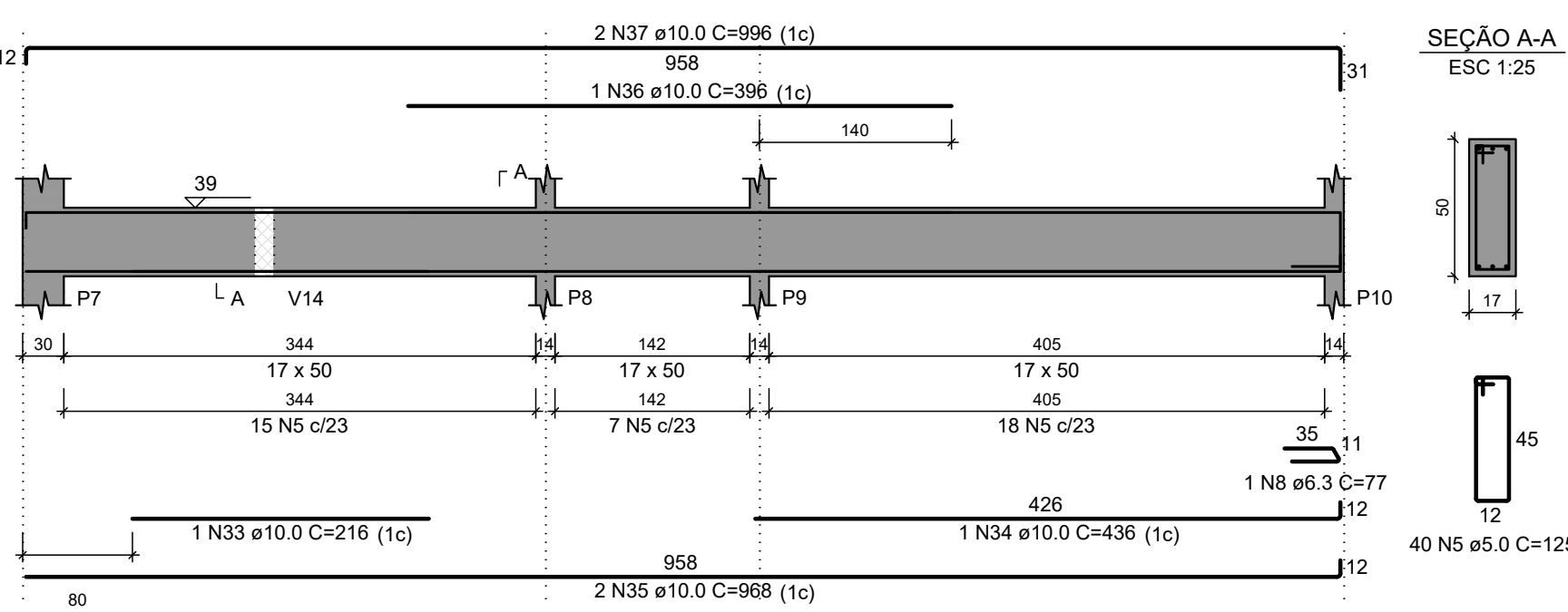
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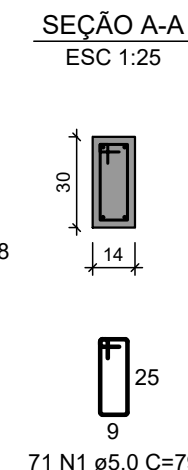
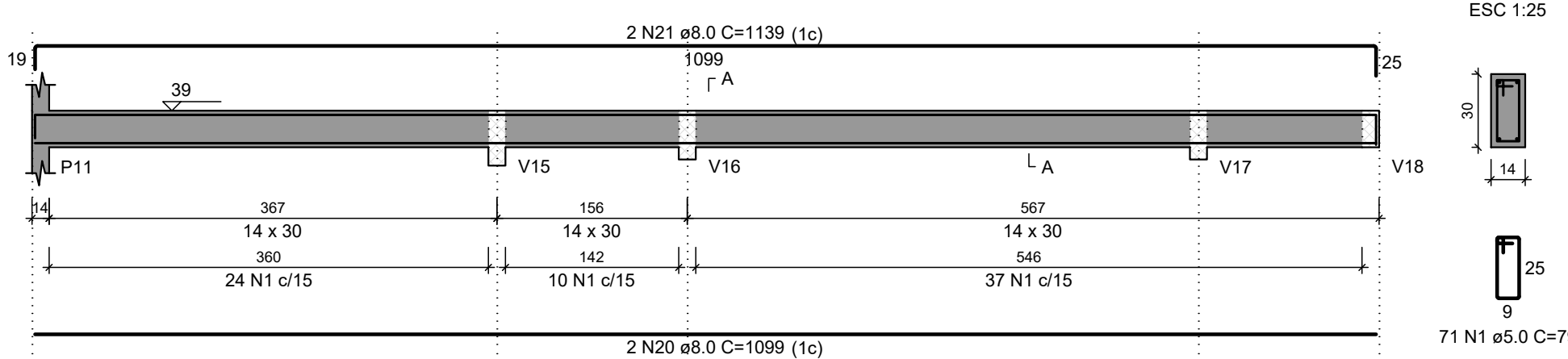
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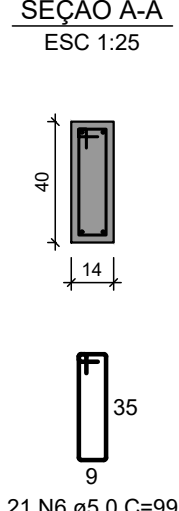
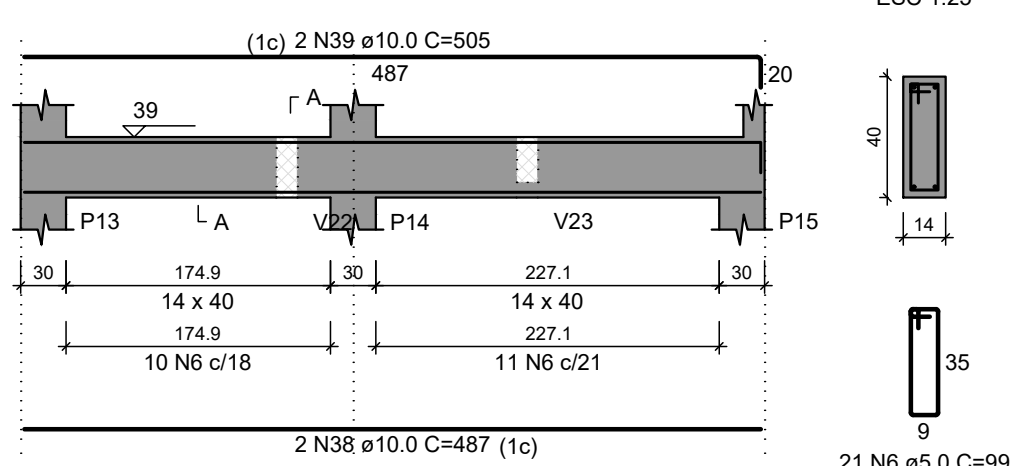
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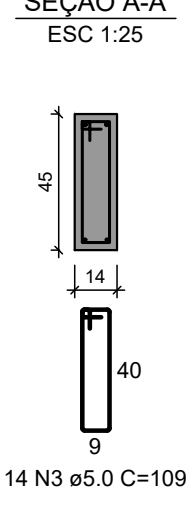
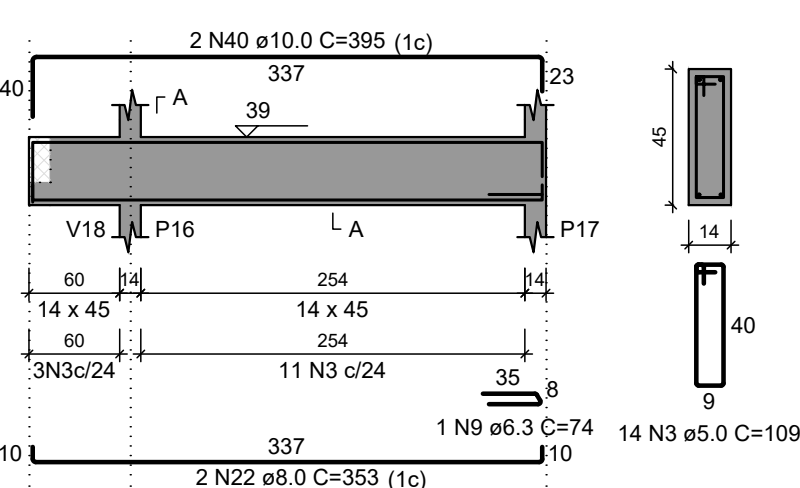
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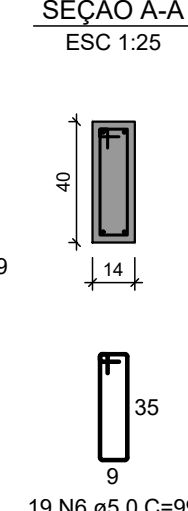
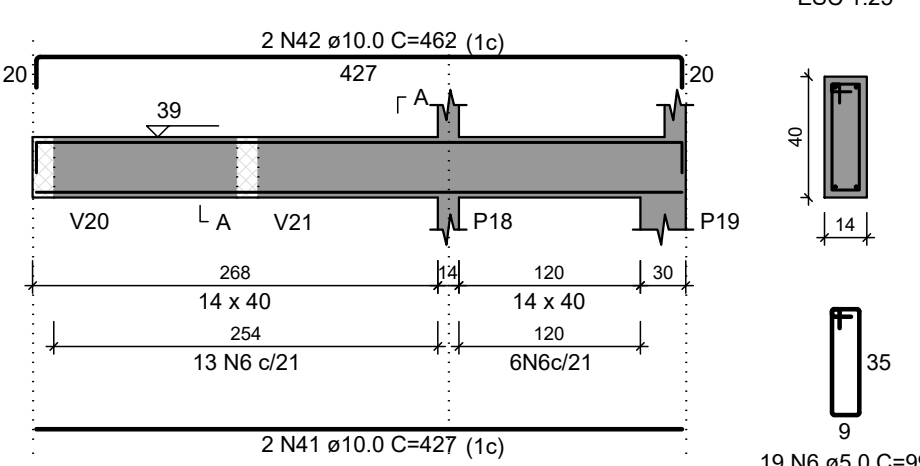
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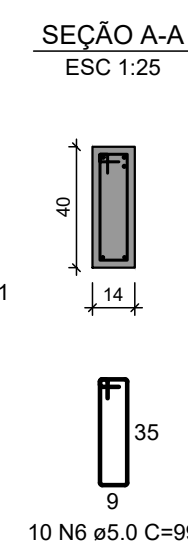
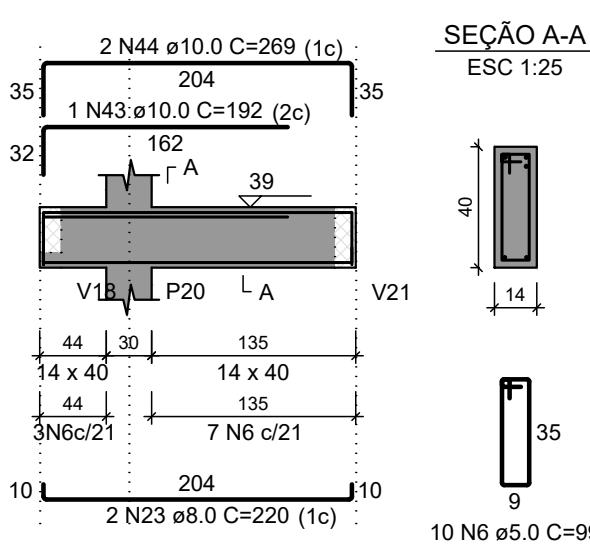
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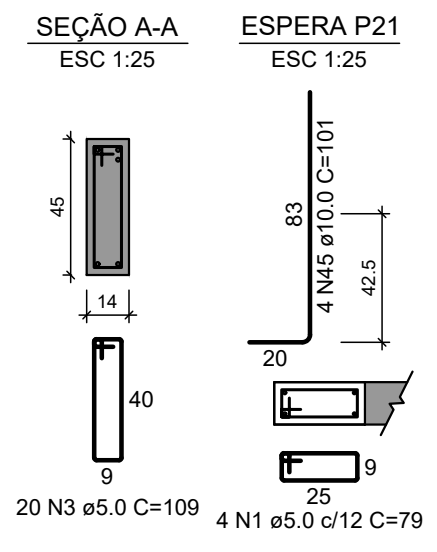
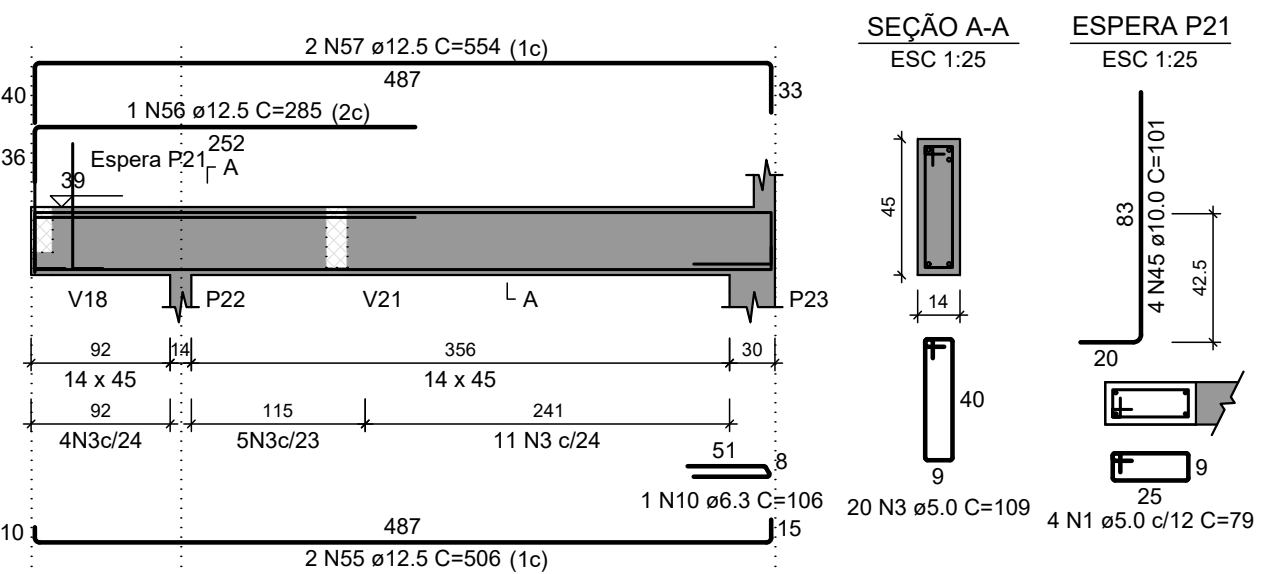
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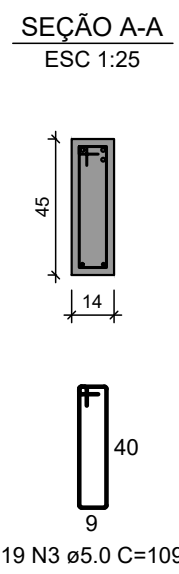
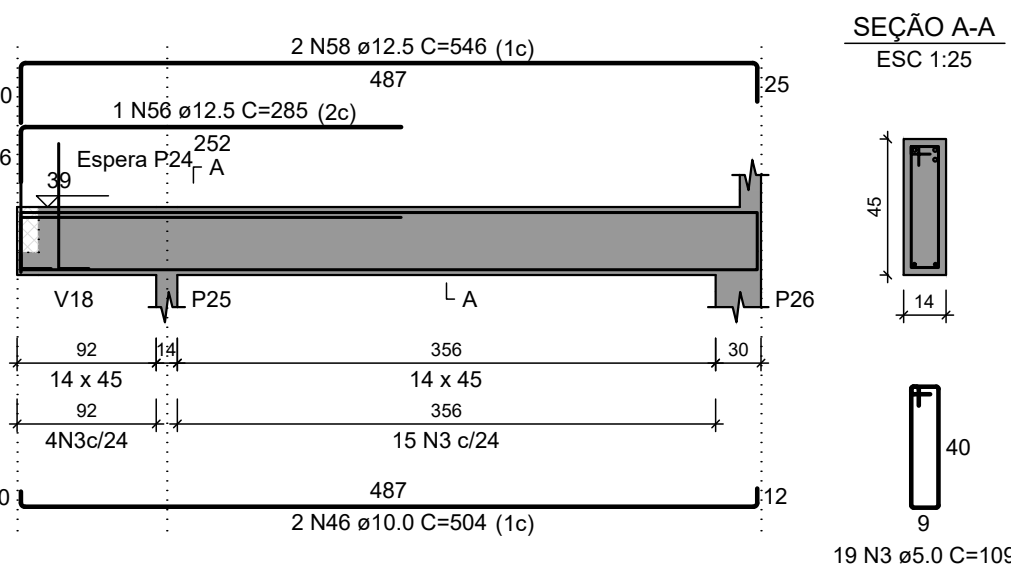
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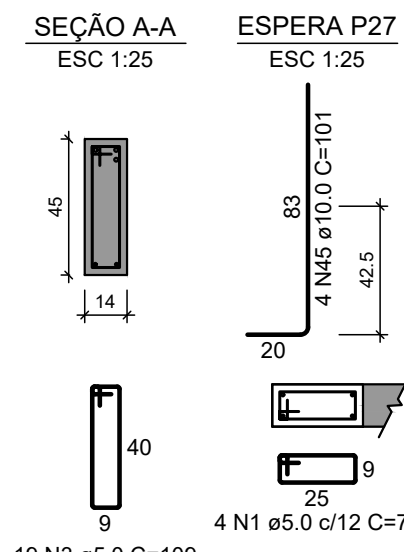
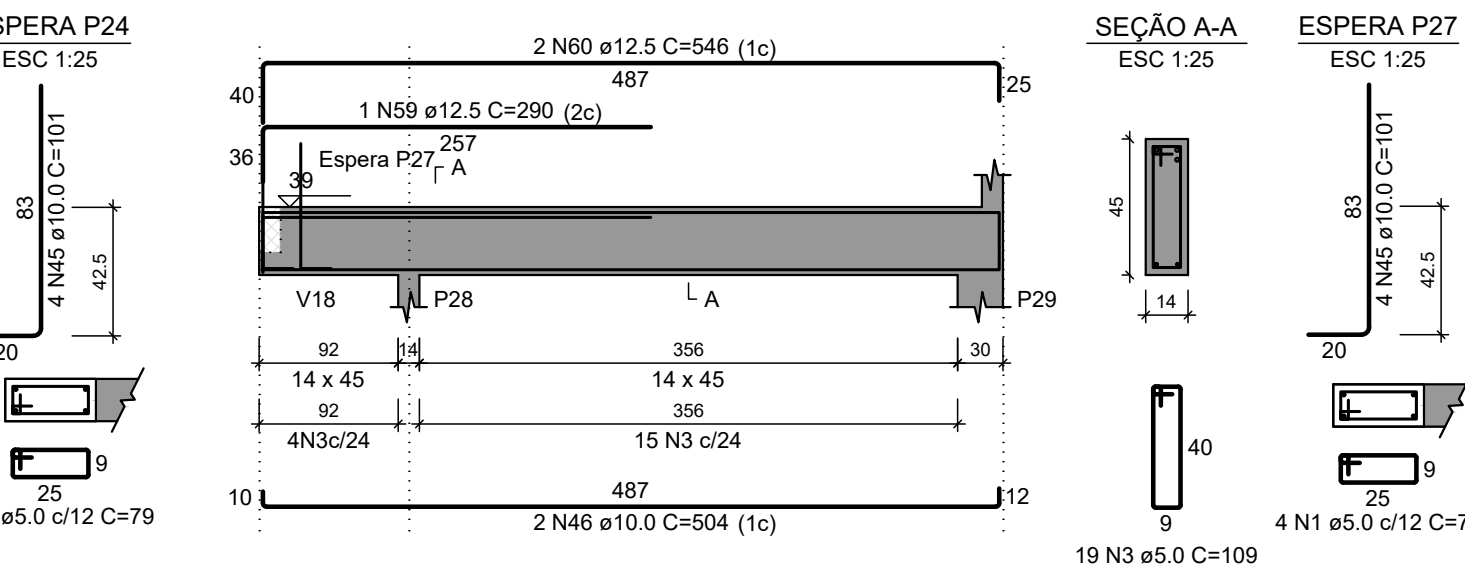
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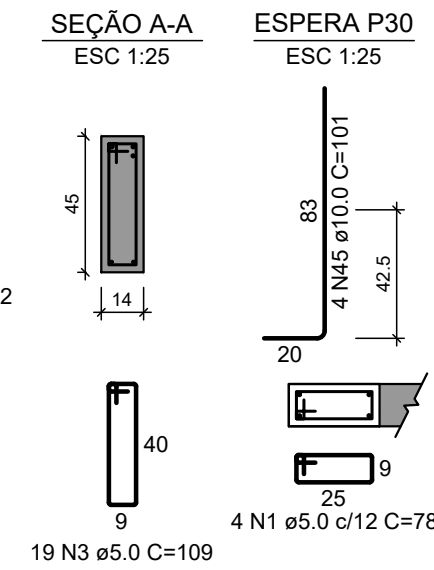
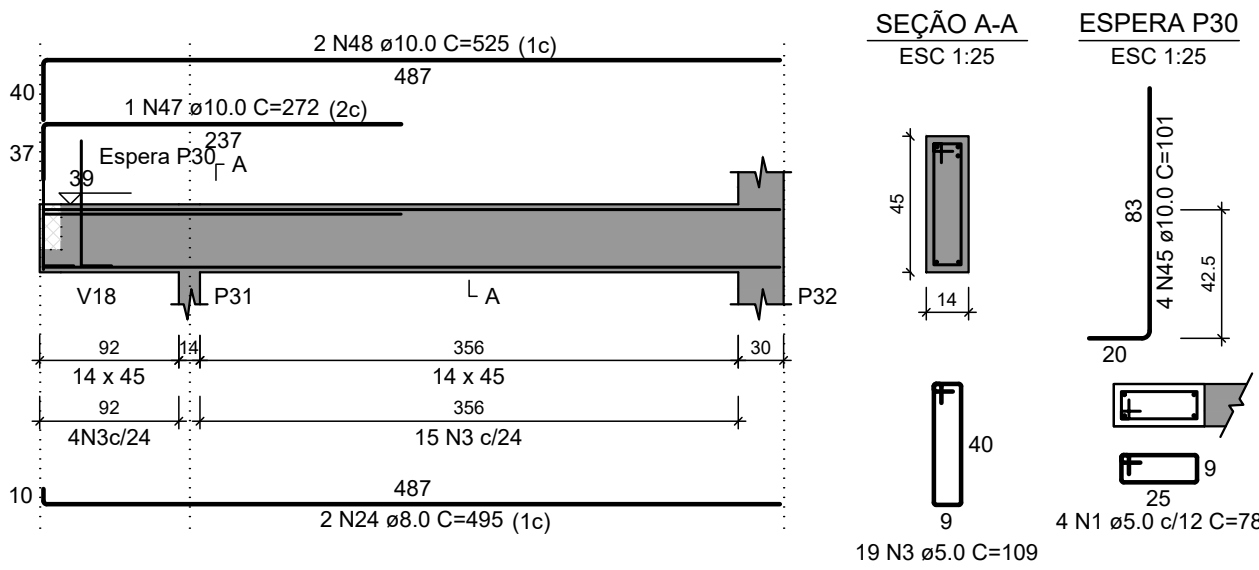
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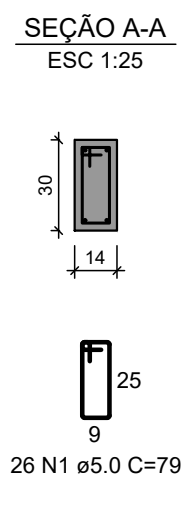
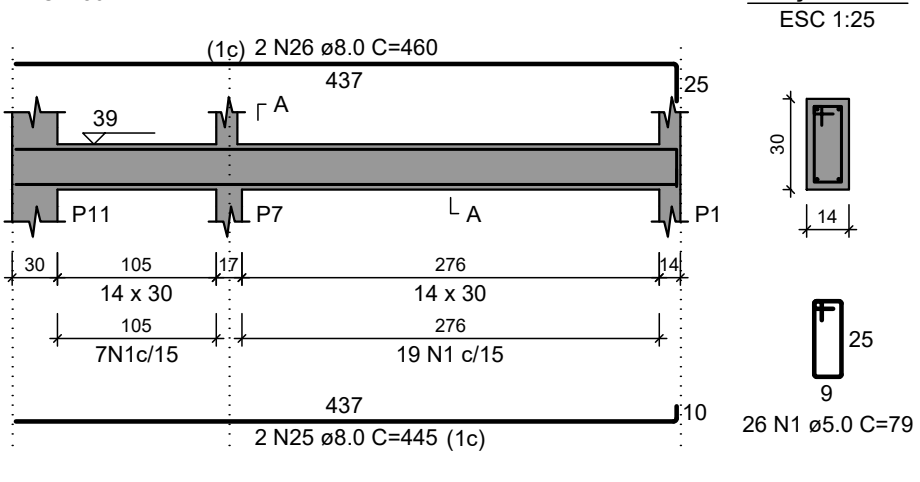
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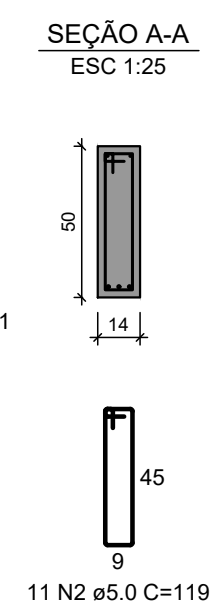
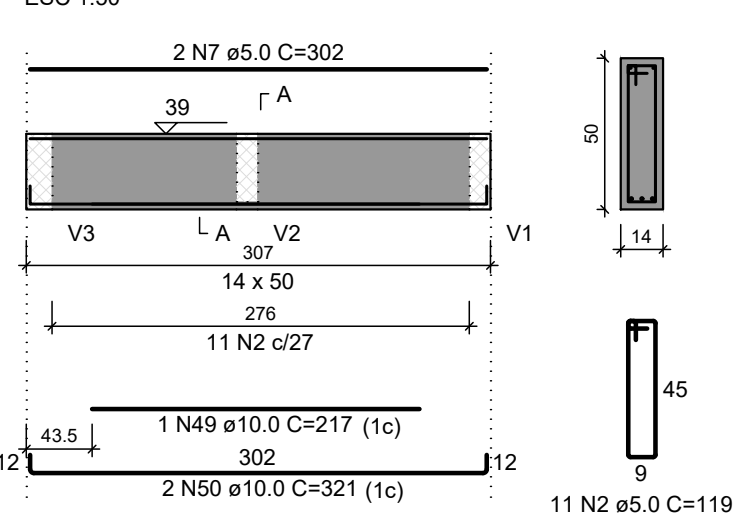
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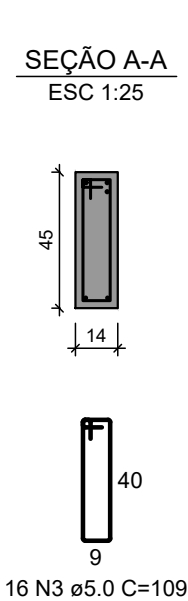
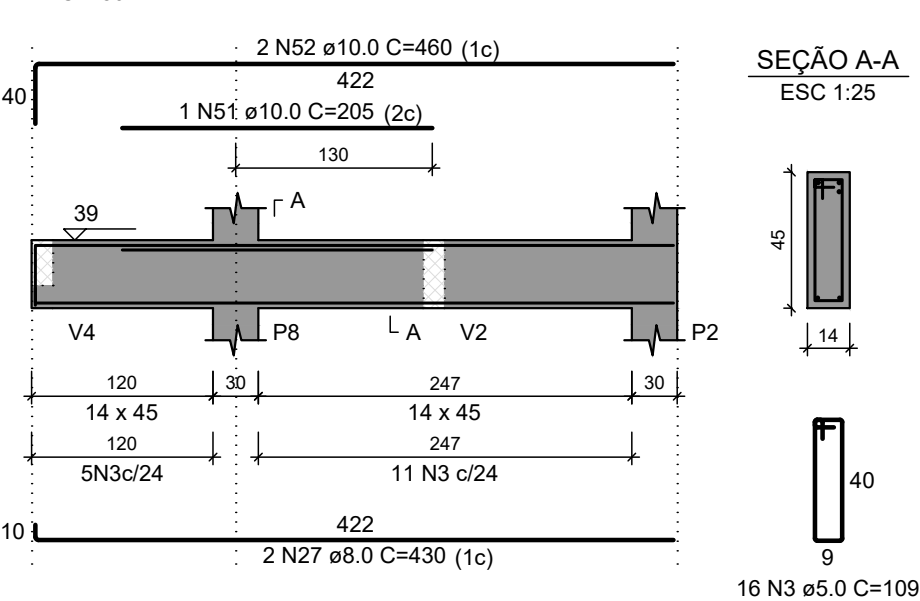
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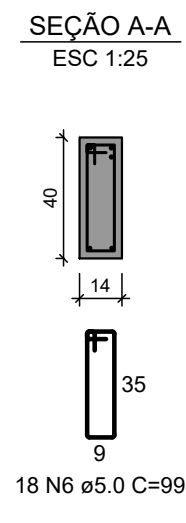
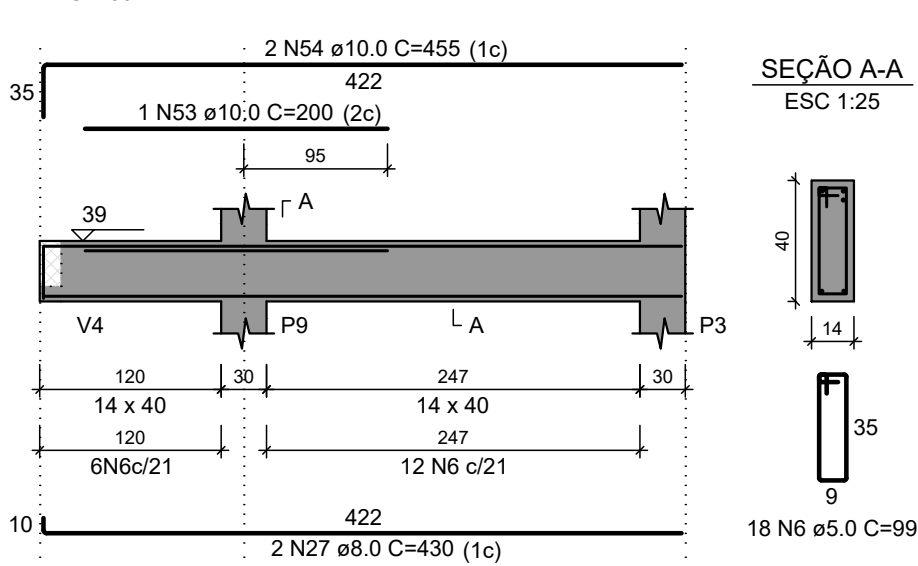
V14



V15



V16



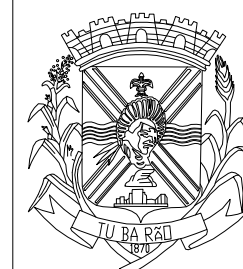
RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	228	79	18012
	2	5.0	67	119	7973
	3	5.0	115	109	12535
	4	5.0	54	214	428
	5	5.0	40	125	5000
	6	5.0	68	99	6732
	7	5.0	2	302	604
	8	6.3	1	77	77
	9	6.3	1	74	74
	10	6.3	1	106	106
	11	8.0	2	976	1952
	12	8.0	2	662	1324
	13	8.0	2	1200	2400
	14	8.0	2	415	830
	15	8.0	4	167	668
	16	8.0	2	196	392
	17	8.0	1	122	122
	18	8.0	2	202	404
	19	8.0	2	214	428
	20	8.0	2	1099	2198
	21	8.0	2	1139	2278
	22	8.0	2	353	706
	23	8.0	2	220	440
	24	8.0	2	405	810
	25	8.0	2	445	890
	26	8.0	2	460	920
	27	8.0	1	430	860
	28	10.0	1	206	412
	29	10.0	2	956	1912
	30	10.0	2	627	1254
	31	10.0	2	1200	2400
	32	10.0	2	444	888
	33	10.0	1	216	432
	34	10.0	1	436	872
	35	10.0	2	968	1936
	36	10.0	1	396	792
	37	10.0	2	996	1992
	38	10.0	2	487	974
	39	10.0	2	505	1010
	40	10.0	2	395	790
	41	10.0	2	427	854
	42	10.0	2	462	924
	43	10.0	1	192	384
	44	10.0	2	269	538
	45	10.0	16	101	1616
	46	10.0	4	504	2016
	47	10.0	1	272	544
	48	10.0	2	525	1050
	49	10.0	1	217	434
	50	10.0	2	321	642
	51	10.0	1	205	410
	52	10.0	2	460	920
	53	10.0	1	200	400
	54	10.0	2	455	910
	55	12.5	2	506	1012
	56	12.5	2	285	570
	57	12.5	2	554	1108
	58	12.5	2	546	1092
	59	12.5	1	290	580
	60	12.5	2	546	1092

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	2.6	0.7
	8.0	186.6	81
	10.0	249.7	169.3
	12.5	51.6	54.7
CA60	5.0	512.8	86.9
PESO TOTAL (kg)			
CA50		305.7	
CA60		86.9	

Volume de concreto (C-25) = 6.33 m³
Área de forma = 103.78 m²



Prefeitura Municipal de Tubarão

Secretaria de Urbanismo,
Mobilidade e Planejamento

Projeto Estrutural

BALEIA	AMPLIAÇÃO UBS BOM PASTOR	ENGENHEIRO:	Rua Hilário Damian Bairro Bom Pastor - Tubarão/SC
ADJUNTO	DETALHAMENTO DAS VIGAS DO BALDRAME - 01/02	RESP. TÉCNICO:	RICHARD RODRIGUES ALEXANDRE Engenheiro Civil - CREA/SC nº 544.982-2
ESCALA	DATA	ARQUIVO	
Indicada	Fev/2020	est_UBS Bom Pastor 02.dwg	

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