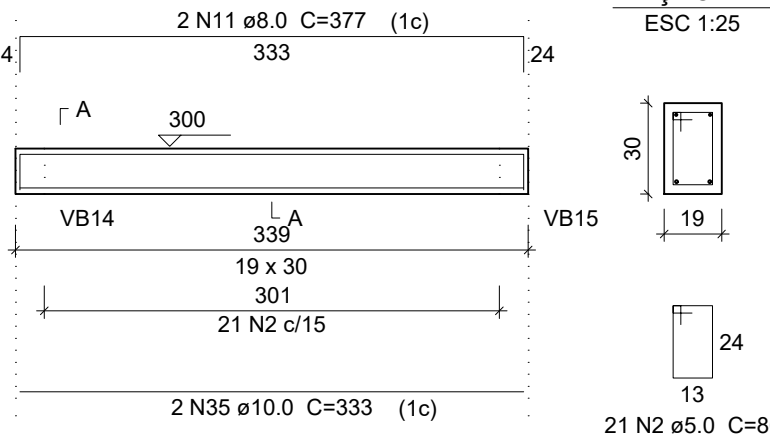


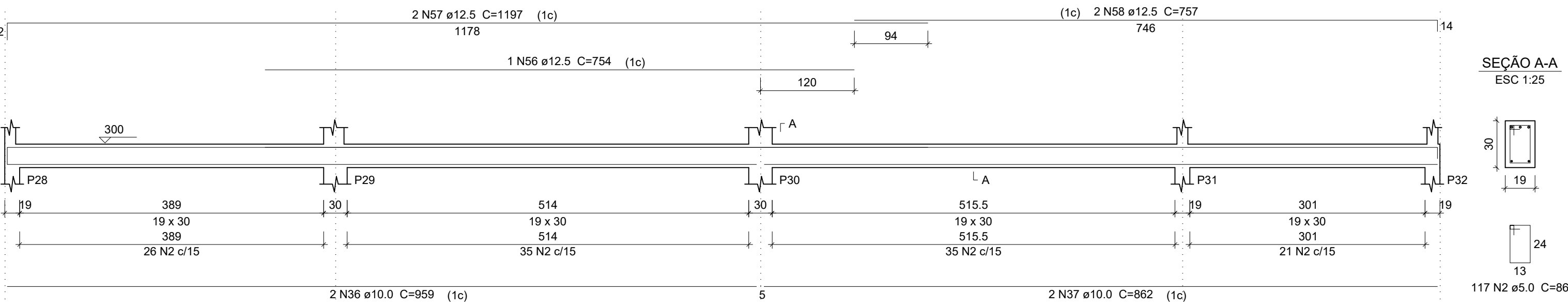
VB6

ESC 1:50



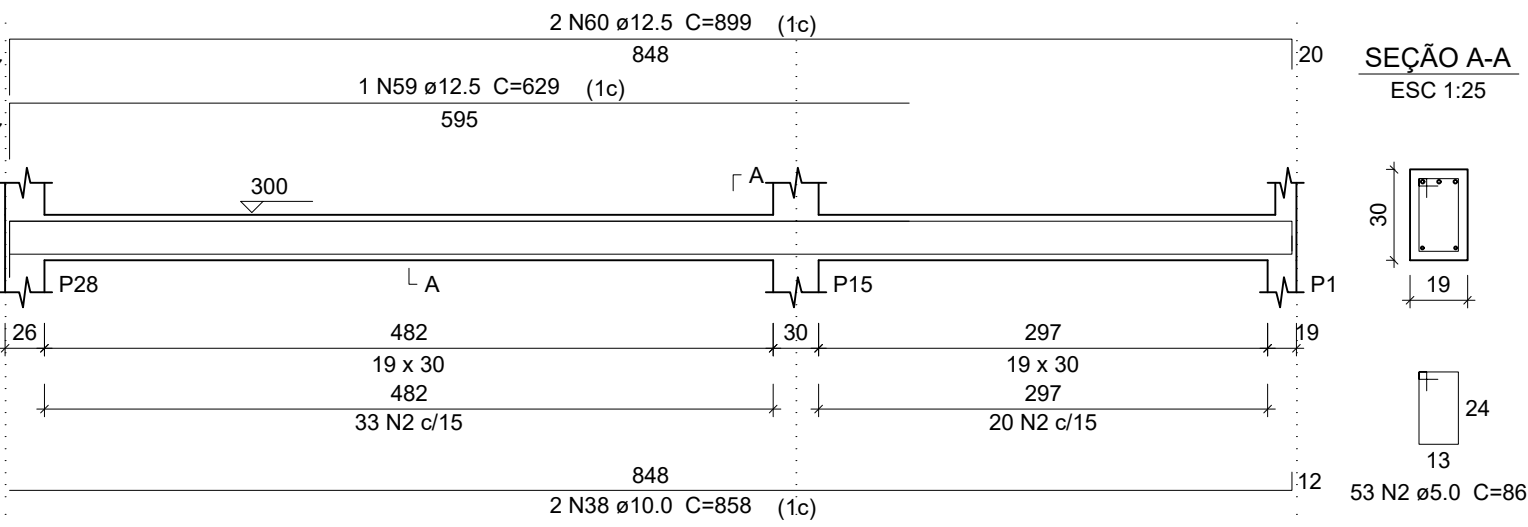
VB7

ESC 1:50



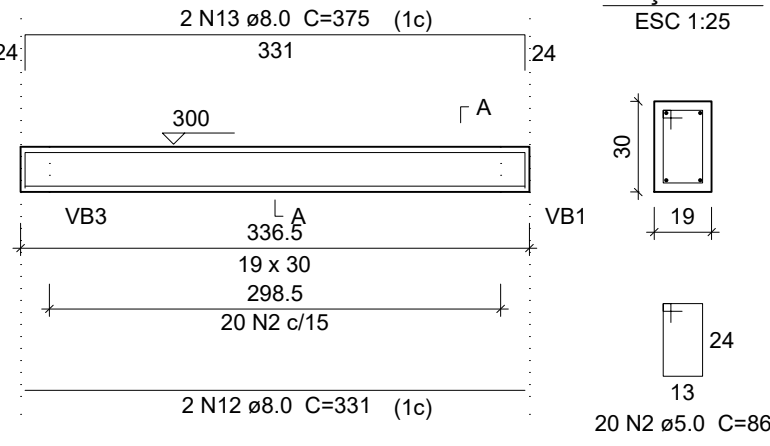
VB8

ESC 1:50



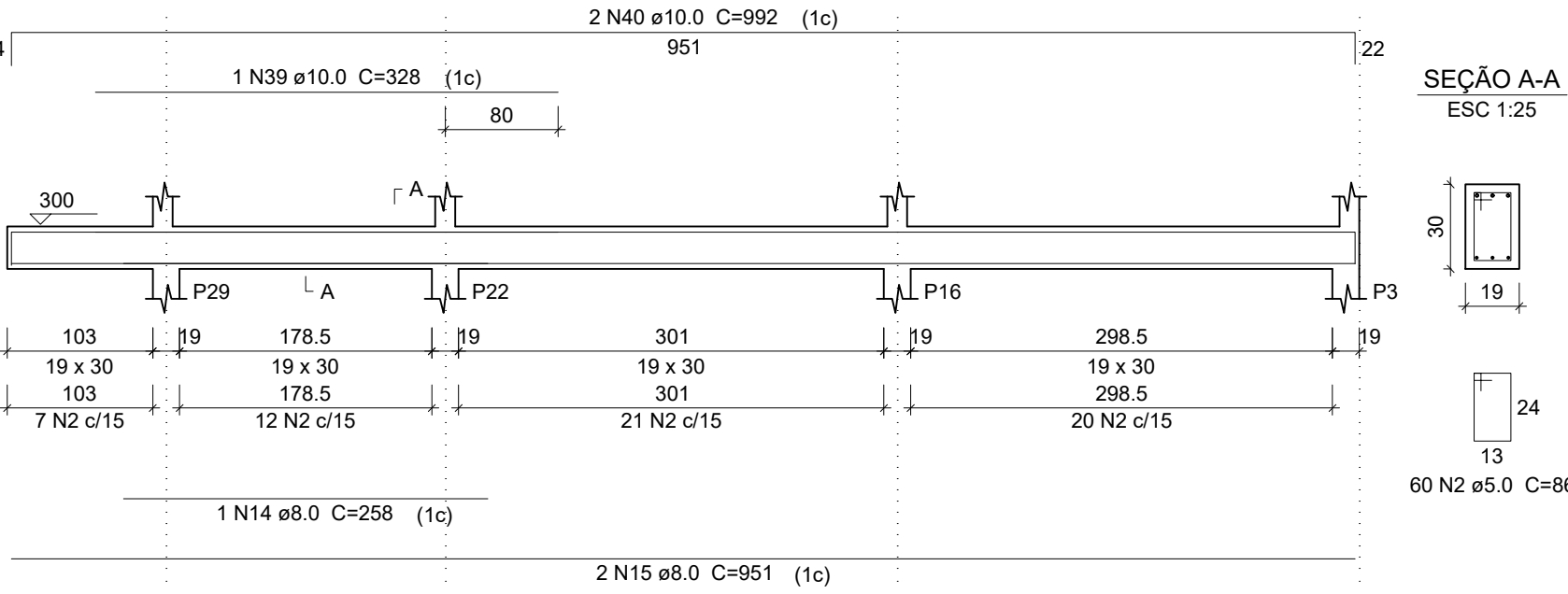
VB9

ESC 1:50



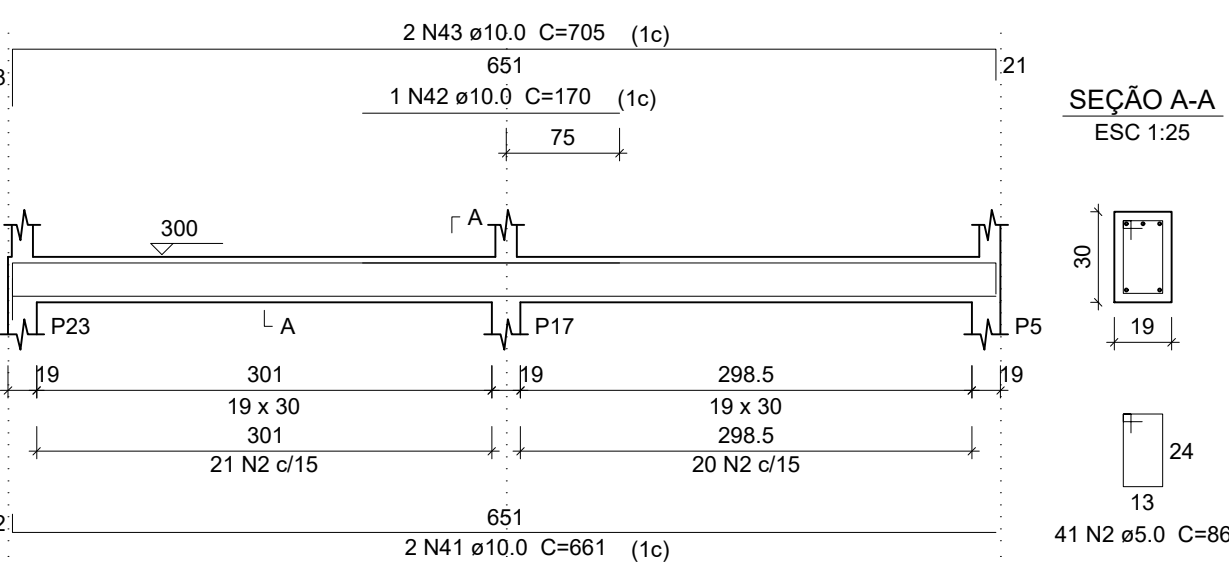
VB10

ESC 1:50



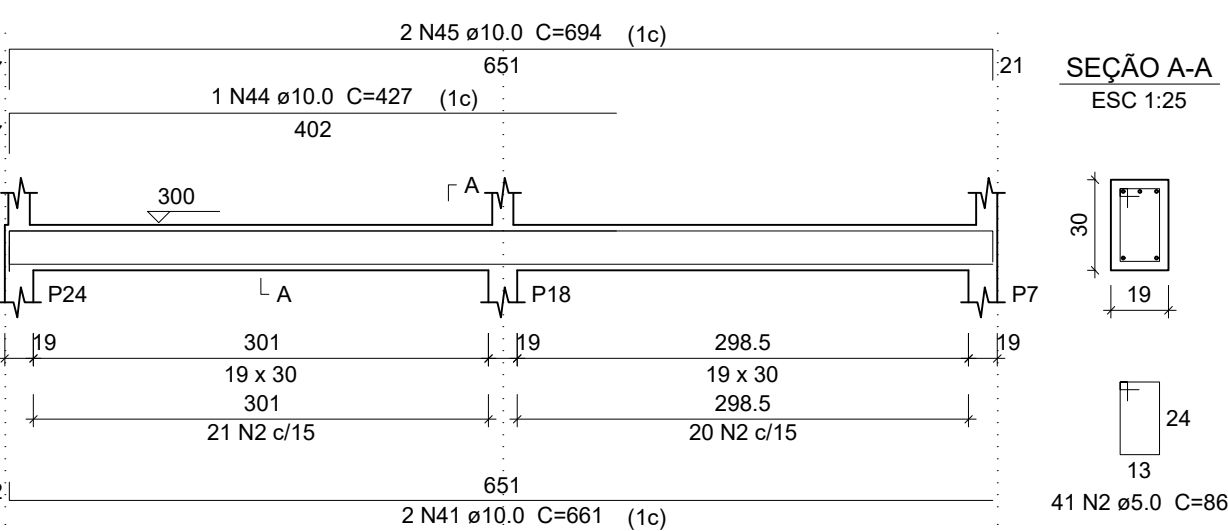
VB11

ESC 1:50



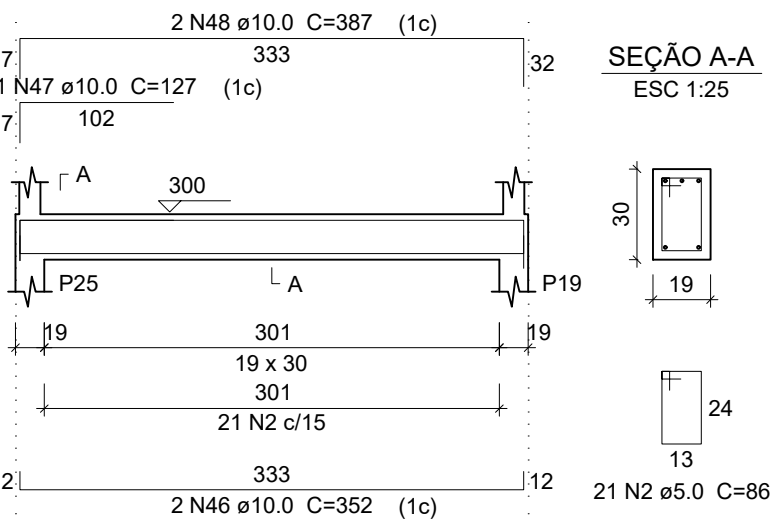
VB12

ESC 1:50



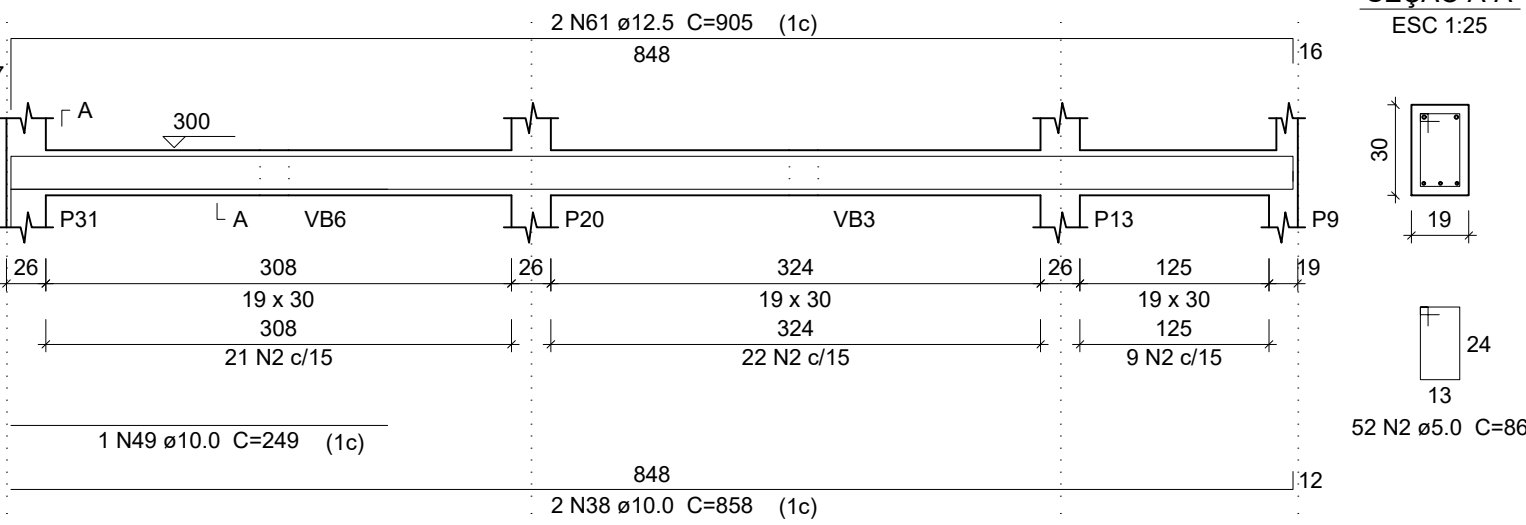
VB13

ESC 1:50



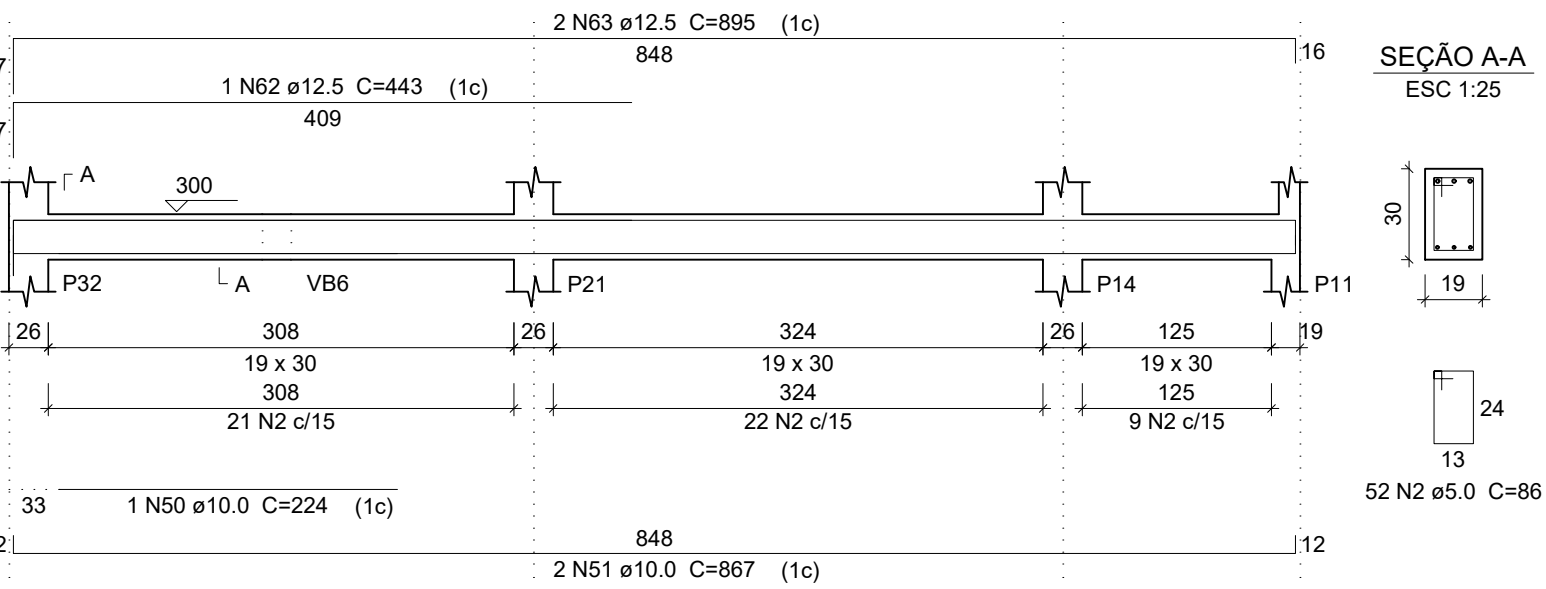
VB14

ESC 1:50



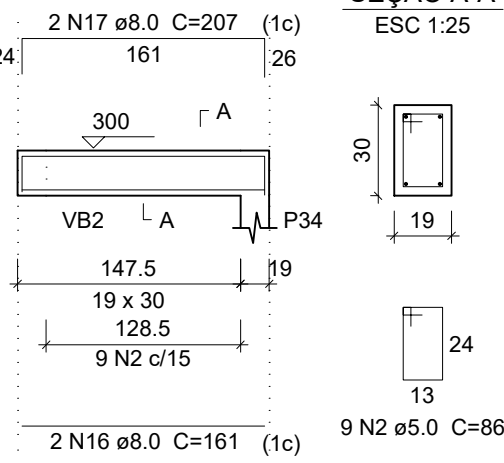
VB15

ESC 1:50



VB16

ESC 1:50



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	498	76	37848
CA50	2	5.0	819	86	70434
	3	8.0	2	1172	2344
	4	8.0	2	863	1726
	5	8.0	2	441	882
	6	8.0	2	479	958
	7	8.0	2	333	666
	8	8.0	2	381	762
	9	8.0	2	972	1944
	10	8.0	2	980	1960
	11	8.0	2	377	754
	12	8.0	2	331	662
	13	8.0	2	375	750
	14	8.0	1	258	258
	15	8.0	2	951	1902
	16	8.0	2	161	322
	17	8.0	2	207	414
	18	10.0	2	1172	2344
	19	10.0	2	871	1742
	20	10.0	2	1198	2396
	21	10.0	2	907	1814
	22	10.0	2	340	680
	23	10.0	2	350	700
	24	10.0	6	331	1986
	25	10.0	6	350	2100
	26	10.0	4	514	2056
	27	10.0	4	524	2096
	28	10.0	2	1198	2396
	29	10.0	2	931	1862
	30	10.0	2	1061	2122
	31	10.0	2	452	904
	32	10.0	1	175	175
	33	10.0	2	1198	2396
	34	10.0	2	431	862
	35	10.0	2	333	666
	36	10.0	2	959	1918
	37	10.0	2	862	1724
	38	10.0	4	858	3432
	39	10.0	1	328	328
	40	10.0	2	952	1904
	41	10.0	4	661	2644
	42	10.0	1	170	170
	43	10.0	2	705	1410
	44	10.0	1	427	427
	45	10.0	2	694	1388
	46	10.0	2	352	704
	47	10.0	1	127	127
	48	10.0	2	387	774
	49	10.0	1	249	249
	50	10.0	1	224	224
	51	10.0	2	867	1734
	52	12.5	2	1174	2348
	53	12.5	2	873	1746
	54	12.5	2	1197	2394
	55	12.5	2	900	1800
	56	12.5	1	754	754
	57	12.5	2	1197	2394
	58	12.5	2	757	1514
	59	12.5	1	629	629
	60	12.5	2	899	1798
	61	12.5	2	905	1810
	62	12.5	1	443	443
	63	12.5	2	895	1790

OBS: COMPACTAR O FUNDO DAS VALETAS COM COMPACTADOR TIPO SAPO..

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	163.1	64.4
	10.0	485.4	299.5
	12.5	194.2	187.0
CA60	5.0	1082.9	166.8
PESO TOTAL + 10% (kg)			PESO TOTAL (kg)
CA50	606.0		CA50 550.9
CA60	183.5		CA60 166.8

Volume de concreto (C-25) = 10.58 m³
Área de forma = 108.97 m²

Obra	PROJETO DE CONSTRUÇÃO DE NÚCLEO DE SERVIÇOS DA PREFEITURA MUNICIPAL DE SÃO PEDRO DA UNIÃO RUA VEREDADOR JORGE JOSÉ, Nº 13, NOVA SÃO PEDRO, SÃO PEDRO DA UNIÃO - MG		
Responsável Técnico	Higor Augusto Sabag de Paulo Eng. Civil - CREA MG-238.615/D	Proprietário	Município de São Pedro da União CNPJ 18.666.172/0001-64
Projeto	ESTRUTURA DE CONCRETO ARMADO		
Descrição	VIGAS DE AMARRAÇÃO E BALDRAME	Observações	10
Data	30/01/2023	Escala	INDICADAS
Desenho	Higor Sabag	Conferência	Higor Sabag
Conj.	2	Fla./Conj.	17