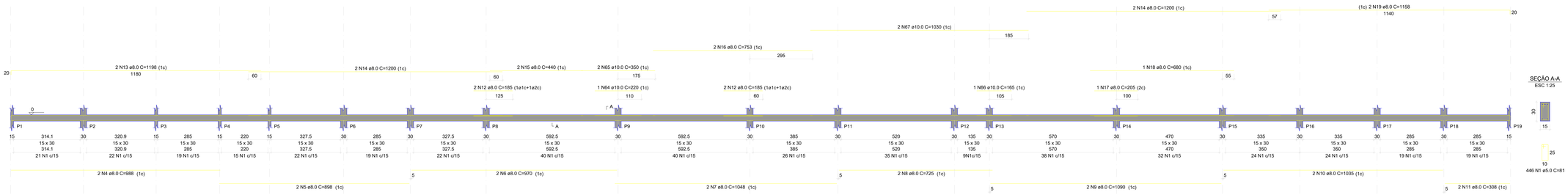
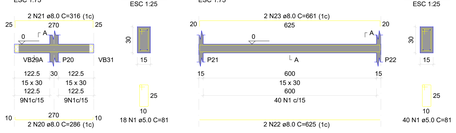
VB1
ESC 1:75

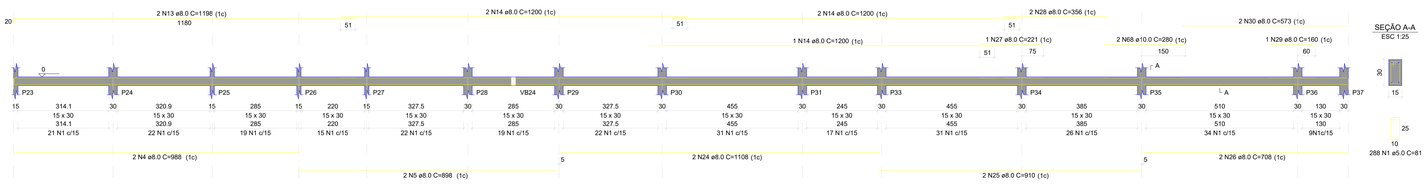


VB2
ESC 1:75

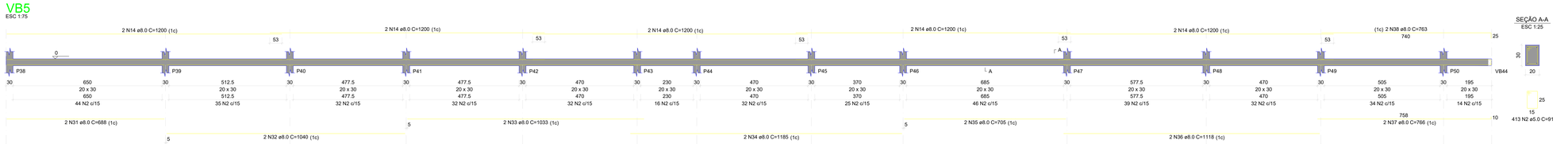


VB3
ESC 1:75

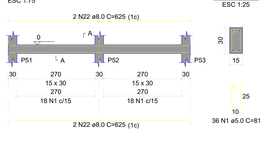
VB4
ESC 1:75



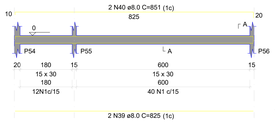
VB5
ESC 1:75



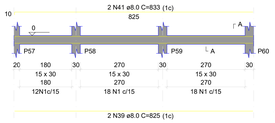
VB6
ESC 1:75



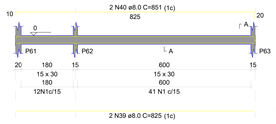
VB7
ESC 1:75



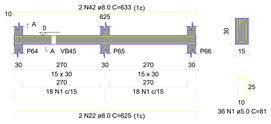
VB8
ESC 1:75



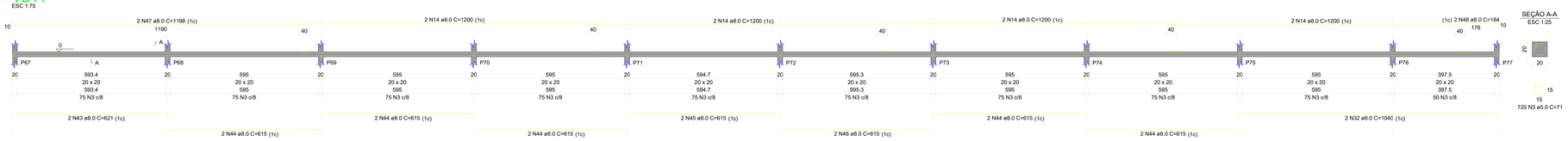
VB9
ESC 1:75



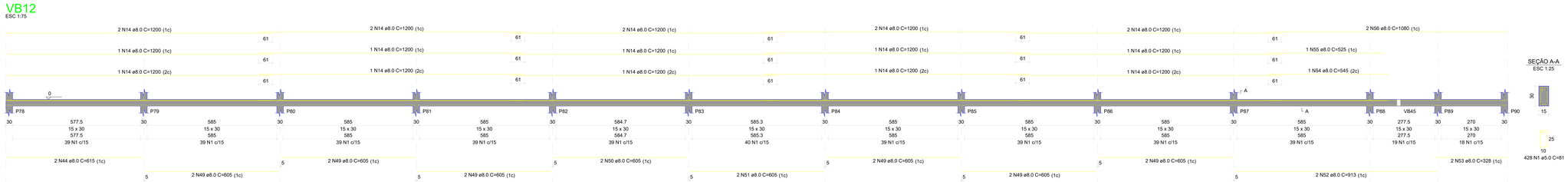
VB10
ESC 1:75



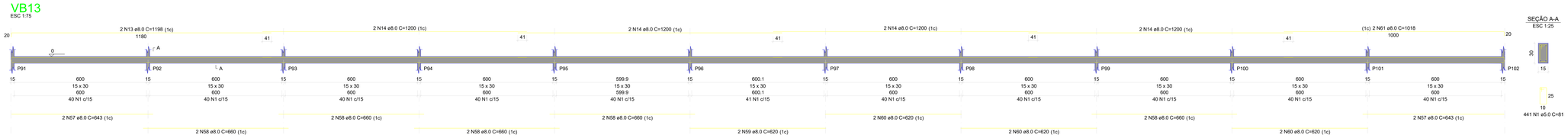
VB11
ESC 1:75



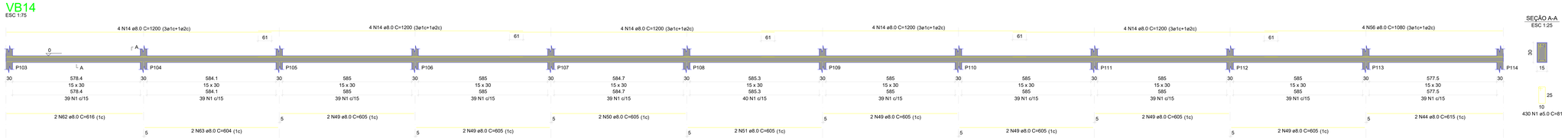
VB12
ESC 1:75



VB13
ESC 1:75



VB14
ESC 1:75



RELAÇÃO DO AÇO

VB1	VB2	VB3	
VB4	VB5	VB6	
VB7	VB8	VB9	
VB10	VB11	VB12	
VB13	VB14		

AÇO	N	DIAM (mm)	QUANT (cm)	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2316	81	187596
	2	6.0	412	71	29252
	3	6.0	724	71	51475
CA50	4	6.0	1	866	866
	5	6.0	4	898	3592
	6	6.0	2	970	1940
	7	6.0	4	1048	4192
	8	6.0	2	1040	2080
	9	6.0	2	1090	2180
	10	6.0	2	1035	2070
	11	6.0	4	308	616
	12	6.0	2	185	370
	13	6.0	4	1198	4792
	14	6.0	13	1200	15600
	15	6.0	2	440	880
	16	6.0	2	753	1506
	17	6.0	2	205	410
	18	6.0	2	680	1360
	19	6.0	2	1158	2316
	20	6.0	2	316	632
	21	6.0	2	286	572
	22	6.0	2	661	1322
	23	6.0	2	625	1250
	24	6.0	2	356	712
	25	6.0	2	573	1146
	26	6.0	2	280	560
	27	6.0	2	221	442
	28	6.0	2	160	320
	29	6.0	2	763	1526
	30	6.0	2	688	1376
	31	6.0	2	1040	2080
	32	6.0	2	1033	2066
	33	6.0	2	1185	2370
	34	6.0	2	705	1410
	35	6.0	2	1118	2236
	36	6.0	2	766	1532
	37	6.0	2	625	1250
	38	6.0	2	625	1250
	39	6.0	2	851	1702
	40	6.0	2	833	1666
	41	6.0	2	851	1702
	42	6.0	2	633	1266
	43	6.0	2	621	1242
	44	6.0	14	615	8610
	45	6.0	2	615	1230
	46	6.0	2	615	1230
	47	6.0	2	1198	2396
	48	6.0	2	184	368
	49	6.0	24	605	14520
	50	6.0	2	605	1210
	51	6.0	2	605	1210
	52	6.0	2	913	1826
	53	6.0	2	328	656
	54	6.0	2	545	1090
	55	6.0	2	525	1050
	56	6.0	4	1080	4320
	57	6.0	2	643	1286
	58	6.0	6	660	3960
	59	6.0	2	620	1240
	60	6.0	6	620	3720
	61	6.0	2	1080	2160
	62	6.0	2	616	1232
	63	6.0	2	604	1208
	64	10.0	2	220	220
	65	10.0	2	350	700
	66	10.0	2	165	330
	67	10.0	2	185	370
	68	10.0	2	205	410
	69	10.0	2	280	560

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (Kg)
CA50	6.0	2076.7	209	466.2
	10.0	37	4	22.1
CA60	5.0	2798.4		489.1

PESO TOTAL (Kg)

CA50	1019.3
CA60	489.1

Volume de concreto (C-25) = 21,66 m³
Área de forma = 344,32 m²

CONTRATANTE:

PREFEITURA MUNICIPAL DE SÃO JOÃO DA LAGOA/MG
CNPJ Nº: 01.612.494/0001-28
AVENIDA CORAÇÃO DE JESUS, Nº 1005 - CENTRO
SÃO JOÃO DA LAGOA/MG - CEP: 39330-000

RESP. TÉCNICO:
gov.br Documento assinado digitalmente
LEONARDO PETERSON AMARAL LIMA
Data: 23/09/2025 22:37:02-0300
Verifique em https://validar.iti.gov.br
LEONARDO PETERSON AMARAL LIMA
CREA - MG 331073/D

RESP. LEGAL:
RONALDO SOARES MOTA DIAS:11086781651
Assinado de forma digital por RONALDO SOARES MOTA DIAS:11086781651
Dados: 2025.09.24 10:32:01 -03'00'
PREF. MUNICIPAL DE SÃO JOÃO DA LAGOA
CNPJ: 01612494/0001-28

CONSTRUÇÃO DA NOVA UNIDADE ESCOLAR MUNICIPAL BENEDITO PEREIRA LIMA

DESCRIÇÃO: VIGAS BALDRAME DO BLOCO SALAS.

ENDEREÇO DA OBRA: RUA JOAQUIM FERREIRA ESQUINA COM RUA LEOPOLDINO

MUNICÍPIO: SÃO JOÃO DA LAGOA | **DATA INICIAL:** 10/04/2025

FASE DO PROJETO: INICIAL | **DATA FINAL:** 15/07/2025

ART: ~~~~~~~~~~~~~~~~ | **ESCALAS:** INDICADAS | **PRANCHA:** 11/16

PROJ. ESTRUTURAL