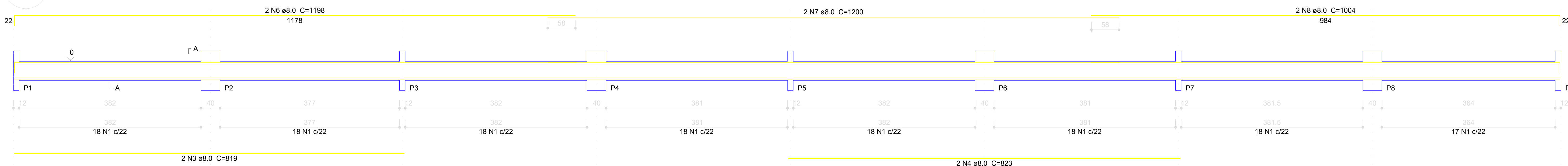
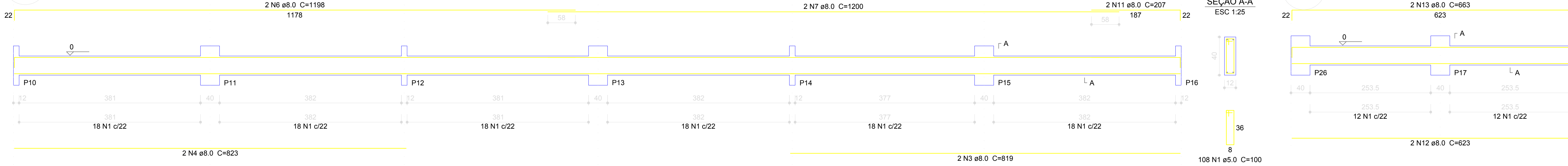


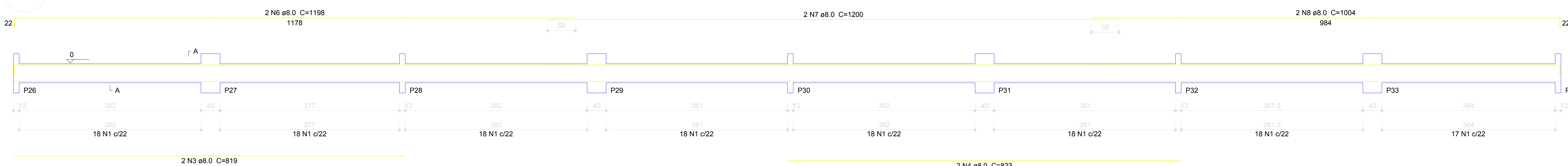
V1
ESC 1:50



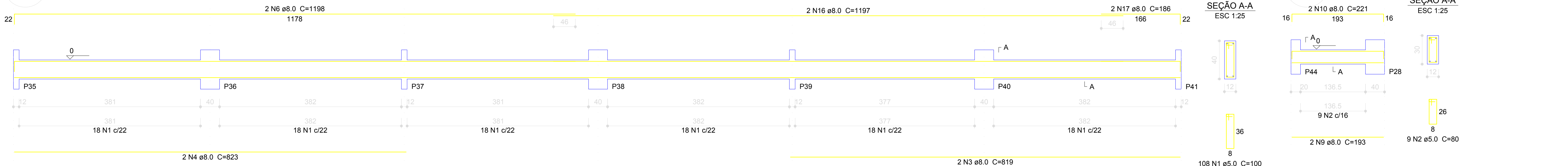
V2
ESC 1:50



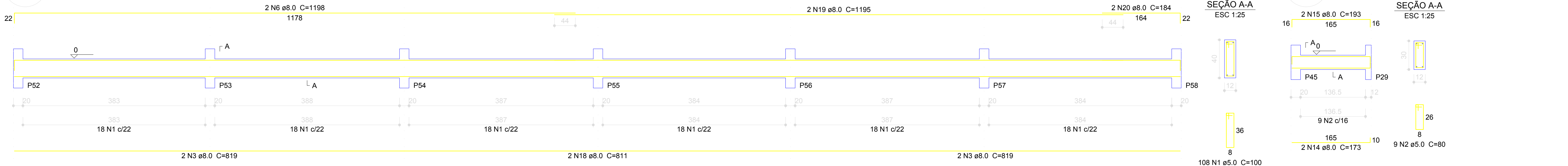
V3
ESC 1:50



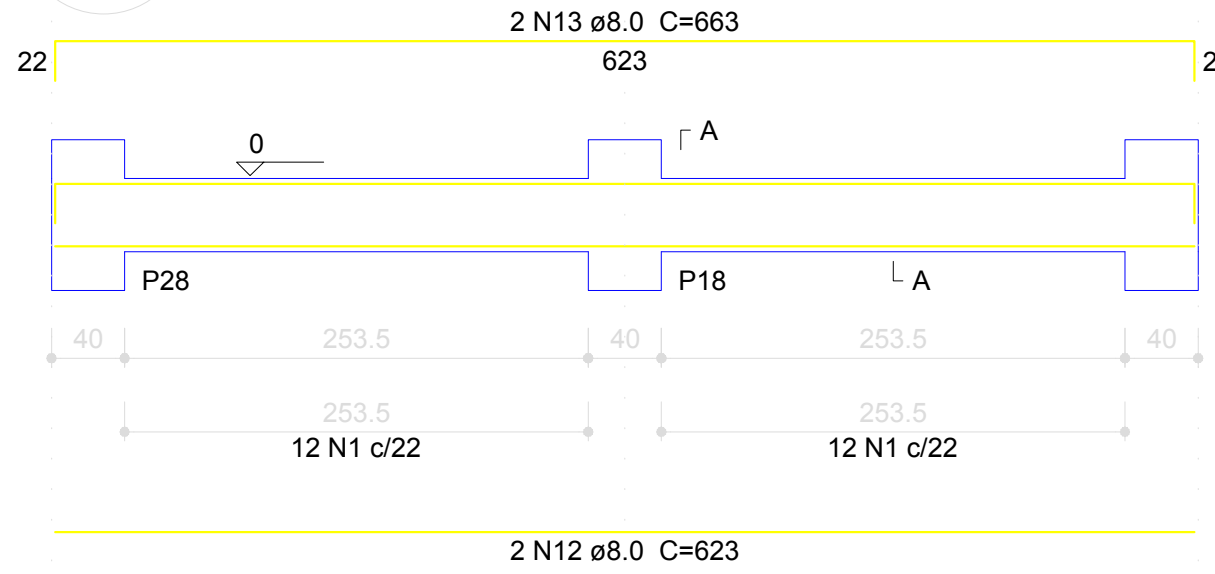
V4
ESC 1:50



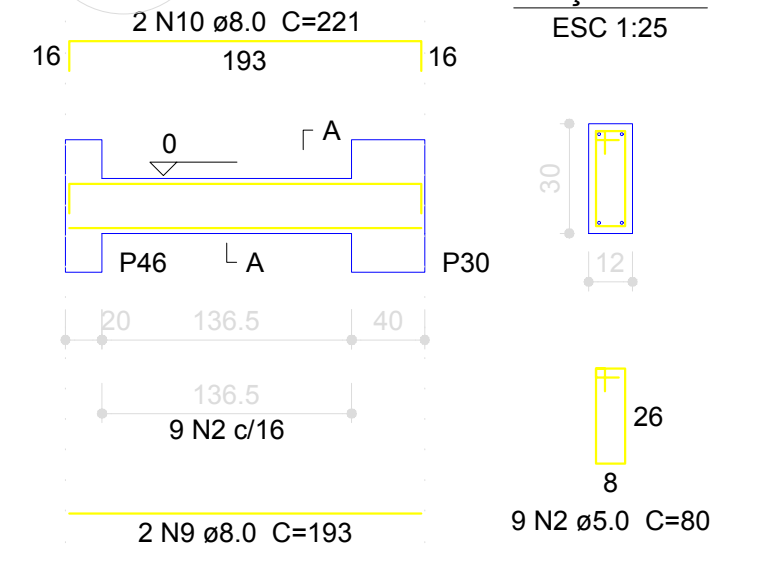
V6
ESC 1:50



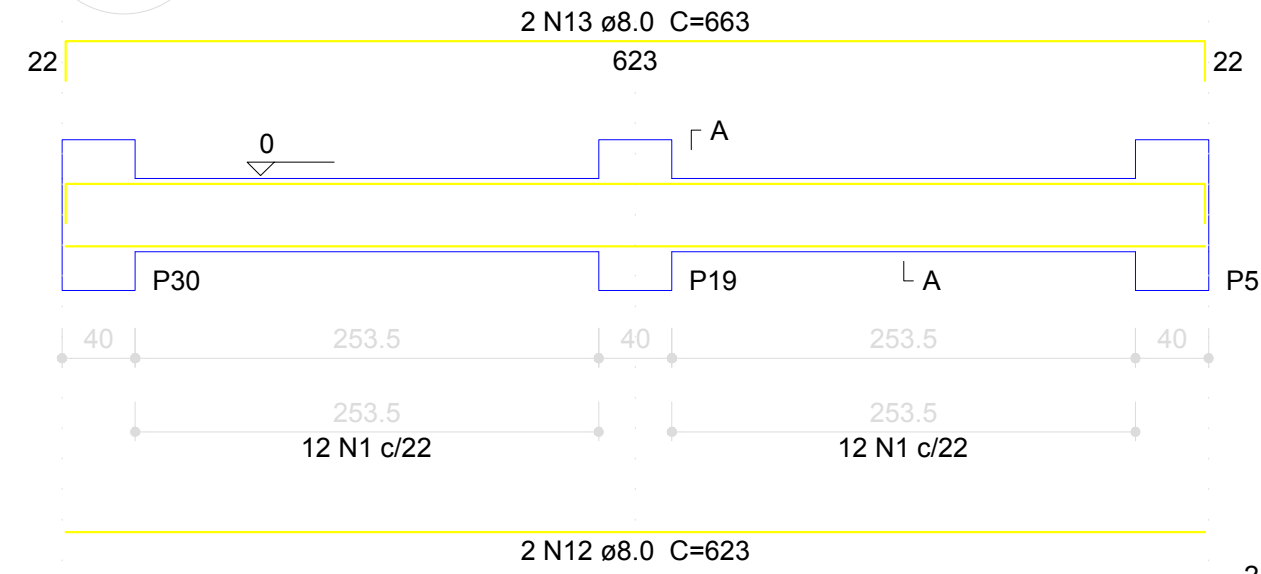
V11
ESC 1:50



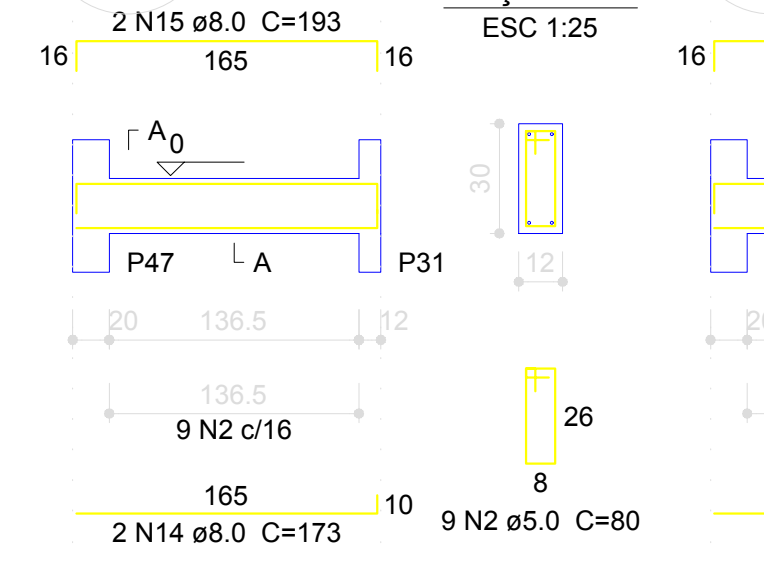
V13
ESC 1:50



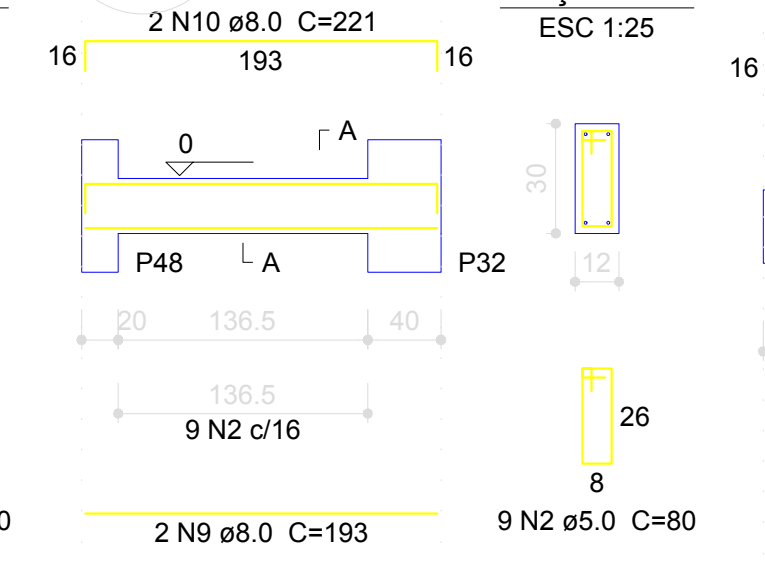
V14
ESC 1:50



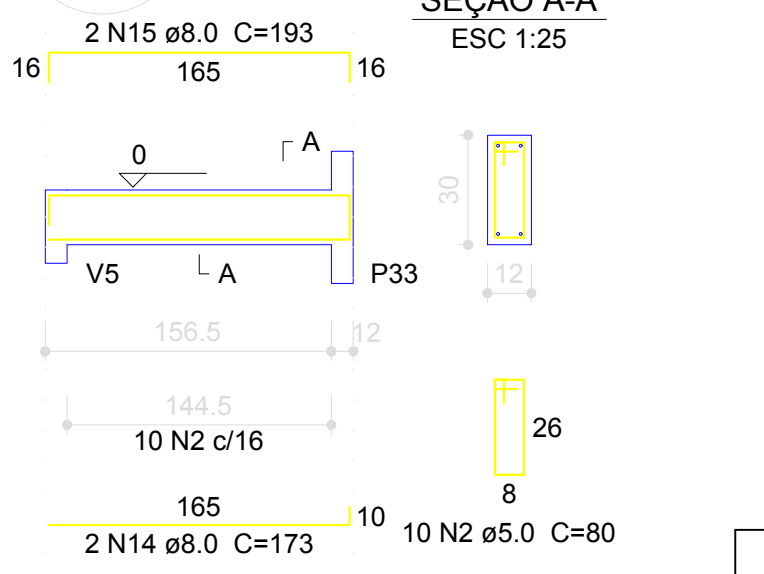
V15
ESC 1:50



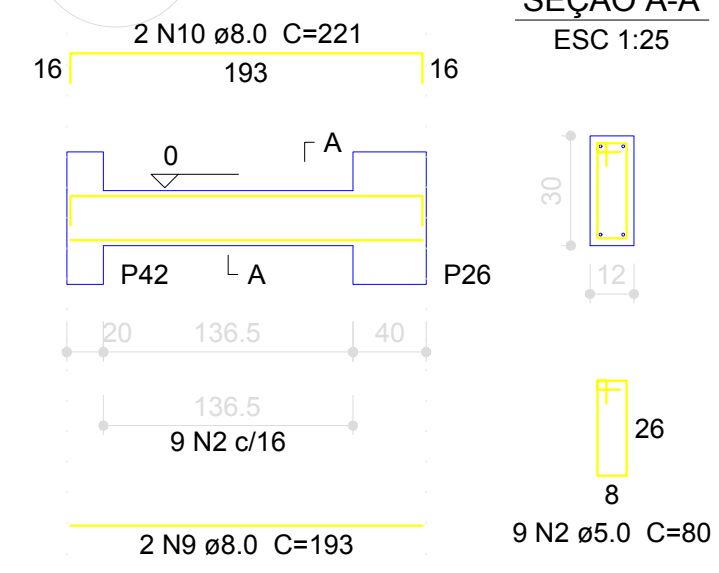
V16
ESC 1:50



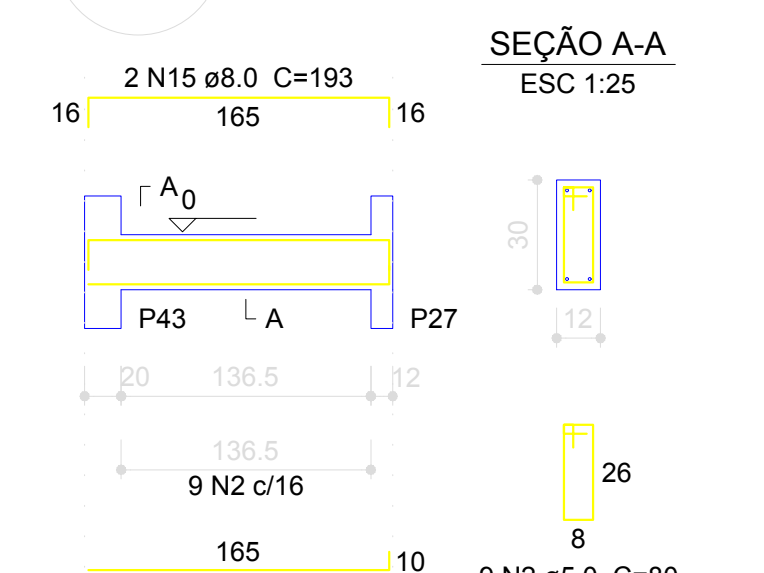
V18
ESC 1:50



V7
ESC 1:50



V9
ESC 1:50



Relação do aço					
AÇO	N	DIAM (mm)	QUANT (Barra)	UNIT (cm)	C.TOTAL (cm)
V1	1	5.0	682	100	68200
V4	2	5.0	73	80	5840
V8	3	8.0	12	819	9828
V11	4	8.0	16	823	13168
V14	5	8.0	4	806	3224
V16	6	8.0	10	1198	11980
	7	8.0	6	1200	7200
	8	8.0	4	1004	4016
	9	8.0	8	193	1544
	10	8.0	8	221	1768
	11	8.0	2	207	414
	12	8.0	6	623	3738
	13	8.0	6	663	3978
	14	8.0	8	173	1384
	15	8.0	8	193	1544
	16	8.0	2	1197	2394
	17	8.0	2	186	372
	18	8.0	2	811	1622
	19	8.0	2	1195	2390
	20	8.0	2	184	368

Resumo do aço		
AÇO	DIAM (mm)	C.TOTAL (m)
CA50	8.0	709.4
CA60	5.0	740.4
PESO TOTAL (kg)		307.9
CA50		307.9
CA60		125.5
Volume de concreto (C-25) = 8.08 m³		
Área de forma = 155.33 m²		

1 VIGAS NÍVEL 000
ESCALA: INDICADA



NOVO PROGRESSO

PROJETO ESTRUTURAL

ASSUNTO: VIGAS NÍVEL 000 (BLOCO PEDAGÓGICO)	RESPONSÁVEL TÉCNICO: Arnaldo Morbeck Júnior
PROPRIETÁRIO: Prefeitura Municipal de Novo Progresso - PA	Especialista: Engenheiro Civil Arnaldo Morbeck Júnior
WINKPRO - UF: PA	LOCAL: Rua: das Orladas Bairro: Serequim
DESENHO: [Assinatura]	DATA: Nov./2022

ÁREA A CONSTRUIR: 870,25 m²	FOLHA: 03/22	ESCALA: Indicadas
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