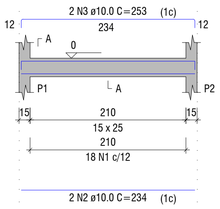
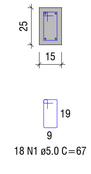
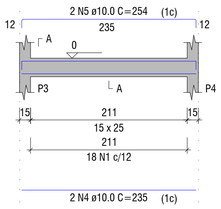
V1
ESC 1:50



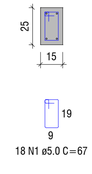
SEÇÃO A-A
ESC 1:25



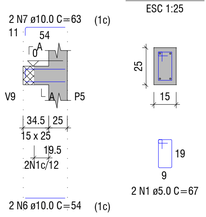
V2
ESC 1:50



SEÇÃO A-A
ESC 1:25

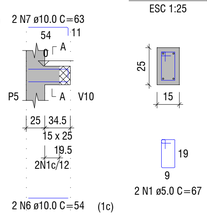


V3
ESC 1:50



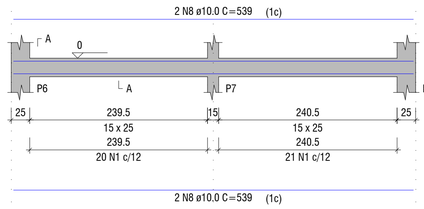
SEÇÃO A-A
ESC 1:25

V4
ESC 1:50

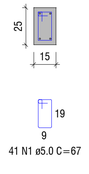


SEÇÃO A-A
ESC 1:25

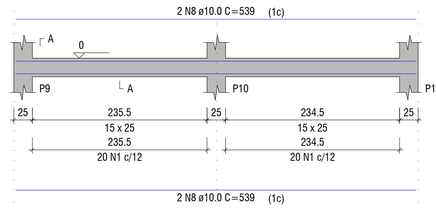
V5
ESC 1:50



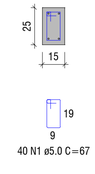
SEÇÃO A-A
ESC 1:25



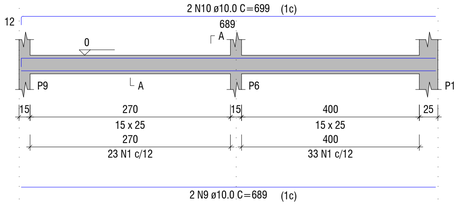
V6
ESC 1:50



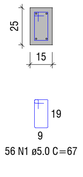
SEÇÃO A-A
ESC 1:25



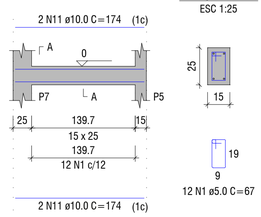
V7
ESC 1:50



SEÇÃO A-A
ESC 1:25

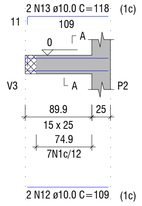


V8
ESC 1:50

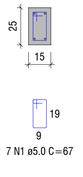


SEÇÃO A-A
ESC 1:25

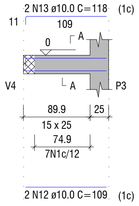
V9
ESC 1:50



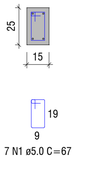
SEÇÃO A-A
ESC 1:25



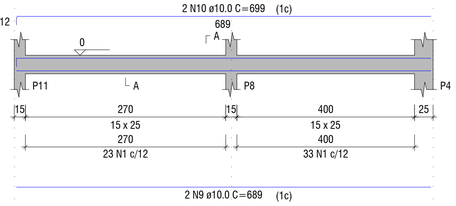
V10
ESC 1:50



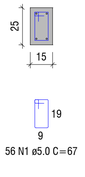
SEÇÃO A-A
ESC 1:25



V11
ESC 1:50



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	233	67	15611
CA50	2	10.0	2	234	468
	3	10.0	2	253	506
	4	10.0	2	235	470
	5	10.0	2	254	508
	6	10.0	4	54	216
	7	10.0	4	63	252
	8	10.0	8	539	4312
	9	10.0	4	559	2236
	10	10.0	4	569	2276
	11	10.0	4	174	696
	12	10.0	4	109	436
	13	10.0	4	118	472

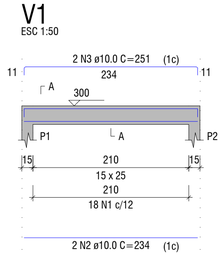
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	128.5	87.1
CA60	5.0	156.1	26.5

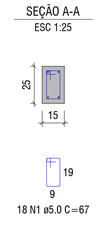
PESO TOTAL (kg)	
CA50	87.1
CA60	26.5

Volume de concreto (C-35) = 1.03 m³
Área de forma = 17.87 m²

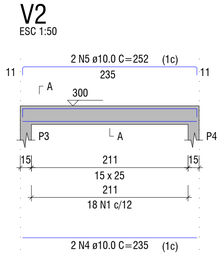
V1
ESC 1:50



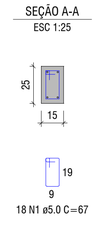
SEÇÃO A-A
ESC 1:25



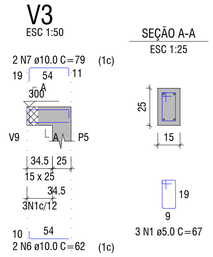
V2
ESC 1:50



SEÇÃO A-A
ESC 1:25

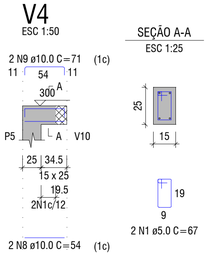


V3
ESC 1:50



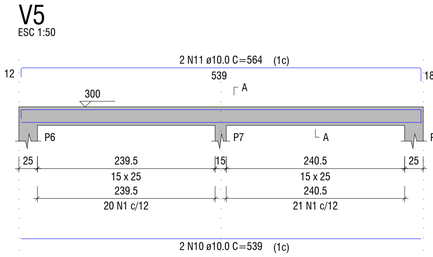
SEÇÃO A-A
ESC 1:25

V4
ESC 1:50

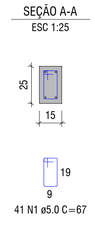


SEÇÃO A-A
ESC 1:25

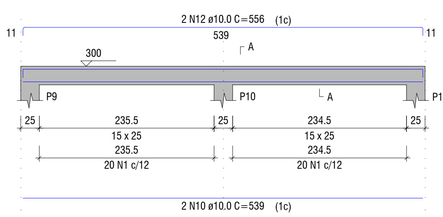
V5
ESC 1:50



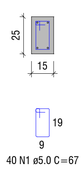
SEÇÃO A-A
ESC 1:25



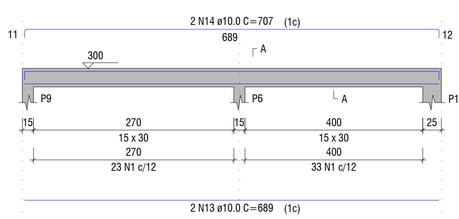
V6
ESC 1:50



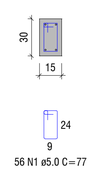
SEÇÃO A-A
ESC 1:25



V7
ESC 1:50



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	234	67	15678
CA50	2	10.0	2	234	468
	3	10.0	2	251	502
	4	10.0	2	235	470
	5	10.0	2	252	504
	6	10.0	2	62	124
	7	10.0	2	79	158
	8	10.0	2	54	108
	9	10.0	2	71	142
	10	10.0	4	539	2156
	11	10.0	2	564	1128
	12	10.0	2	556	1112
	13	10.0	4	559	2236
	14	10.0	2	577	1154
	15	10.0	2	174	348
	16	10.0	2	191	382
	17	10.0	4	109	436
	18	10.0	4	126	504
	19	10.0	2	576	1152

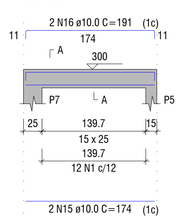
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	130.8	88.7
CA60	5.0	156.8	26.6

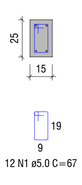
PESO TOTAL (kg)	
CA50	88.7
CA60	26.6

Volume de concreto (C-35) = 1.03 m³
Área de forma = 13.49 m²

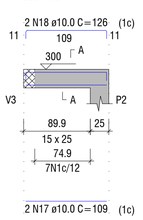
V8
ESC 1:50



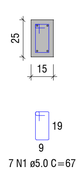
SEÇÃO A-A
ESC 1:25



V9
ESC 1:50



SEÇÃO A-A
ESC 1:25



V10
ESC 1:50

SEÇÃO A-A
ESC 1:25

V11
ESC 1:50

SEÇÃO A-A
ESC 1:25

Volume de concreto (C-35) = 1.03 m³
Área de forma = 17.87 m²

GEONORTE PROJETOS LTDA.
Av. Brasil, 79, sala 09, Centro - Xanxerê (SC) - 89820-000
www.geonorte.net.br / contato@geonorte.net.br
Telefone: (49) 3433-8176

PROJETO:
ESTRUTURAL - AMPLIAÇÃO DA ESCOLA GILBERTO TAVARES

LOCALICADES:
MUNICÍPIO: Bom Jesus — ESTADO UF: SC
DATA: 11/2021 — ESCALA: indicada

Conteúdo:
DETALHAMENTO VIGAS

Folha:
03/04

Prop.: MUNICÍPIO DE BOM JESUS - SC

gov.br — Documento assinado digitalmente
ANDRE VINICIUS GRANDO LORENZON
Data: 19/11/2025 16:02:46-0300
Verifique em https://validar.iti.gov.br

Resp. Téc.: ANDRÉ VINICIUS GRANDO LORENZON
ENGENHEIRO CIVIL
CREA-SC 198.027-8