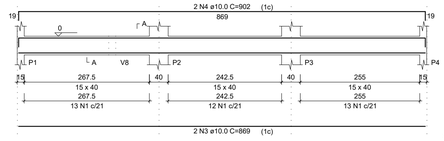
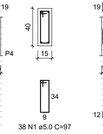
V1
ESC 1:50

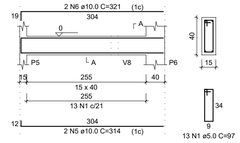


SEÇÃO A-A
ESC 1:25



38 N1 ø5.0 C=97

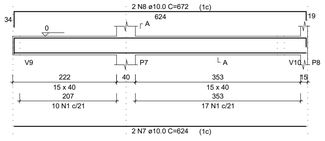
V2
ESC 1:50



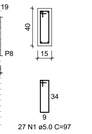
SEÇÃO A-A
ESC 1:25

13 N1 ø5.0 C=97

V3
ESC 1:50

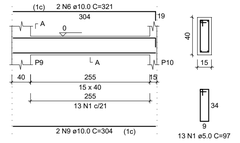


SEÇÃO A-A
ESC 1:25



27 N1 ø5.0 C=97

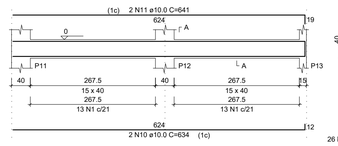
V4
ESC 1:50



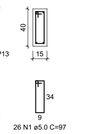
SEÇÃO A-A
ESC 1:25

13 N1 ø5.0 C=97

V5
ESC 1:50

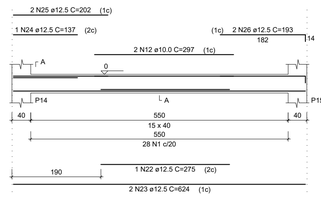


SEÇÃO A-A
ESC 1:25

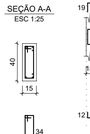


26 N1 ø5.0 C=97

V6
ESC 1:50

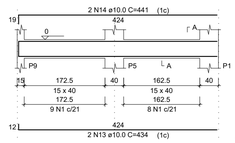


SEÇÃO A-A
ESC 1:25

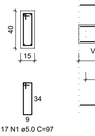


28 N1 ø5.0 C=97

V7
ESC 1:50

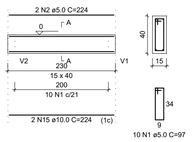


SEÇÃO A-A
ESC 1:25

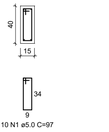


17 N1 ø5.0 C=97

V8
ESC 1:50

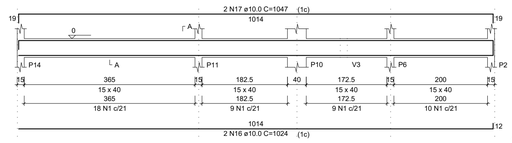


SEÇÃO A-A
ESC 1:25

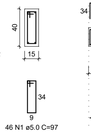


10 N1 ø5.0 C=97

V9
ESC 1:50

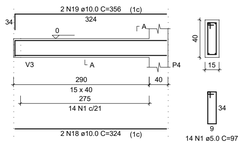


SEÇÃO A-A
ESC 1:25



46 N1 ø5.0 C=97

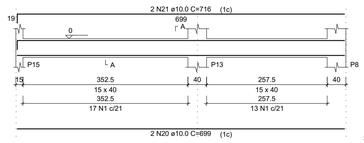
V10
ESC 1:50



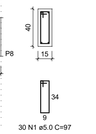
SEÇÃO A-A
ESC 1:25

14 N1 ø5.0 C=97

V11
ESC 1:50



SEÇÃO A-A
ESC 1:25



30 N1 ø5.0 C=97

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	262	97	25414
	2	5.0	2	224	448
CA50	3	10.0	2	869	1738
	4	10.0	2	902	1804
	5	10.0	2	314	628
	6	10.0	4	321	1284
	7	10.0	2	624	1248
	8	10.0	2	672	1344
	9	10.0	2	304	608
	10	10.0	2	634	1268
	11	10.0	2	641	1282
	12	10.0	2	297	594
	13	10.0	2	434	868
	14	10.0	2	441	882
	15	10.0	2	224	448
	16	10.0	2	1024	2048
	17	10.0	2	1047	2094
	18	10.0	2	324	648
	19	10.0	2	356	712
	20	10.0	2	699	1398
	21	10.0	2	716	1432
	22	12.5	1	275	275
	23	12.5	2	624	1248
	24	12.5	1	137	137
	25	12.5	2	202	404
	26	12.5	2	193	386

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	223.3	151.4
	12.5	24.5	26
CA60	5.0	258.6	43.8

PESO TOTAL (kg)	
CA50	177.4
CA60	43.8

Volume de concreto (C-30) = 3.66 m³
Área de forma = 57.95 m²

Notas:

Anotações:

REVISÃO	DATA	MODIFICAÇÕES	RESP.
00	24/04/2026	Emissão Inicial.	Frank

Estado de Santa Catarina
PREFEITURA MUNICIPAL DE GUARAMIRIM
SECRETARIA DE PLANEJAMENTO E DESENVOLVIMENTO URBANO
Rua 28 de Agosto, 2042 - Centro - Guaramirim - SC

OBRA: AMPLIAÇÃO DA SEDE DA POLICIA MILITAR
PRANCHA: 04
ENDEREÇO: RUA 28 DE AGOSTO, 2715
DATA: 24/04/2026
ESCALA: INDICADA
REVISÃO:
PROJETO ESTRUTURAL

RESPONSÁVEL TÉCNICO
Assinado eletronicamente por: FRANK RICARDO DE OLIVEIRA ***.359.539-** assinado eletronicamente 24/04/2026 11:48:17
Assinatura digital avançada.
FRANK RICARDO DE OLIVEIRA
ENGENHEIRO CIVIL - CREA/SC 065.758-0

PROPRIETÁRIO
PREFEITURA MUNICIPAL DE GUARAMIRIM
CNPJ: 83.102.475/0001-16

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