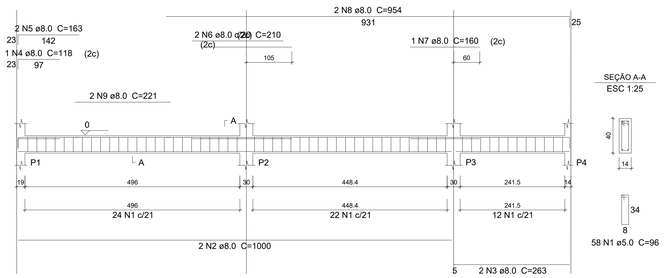
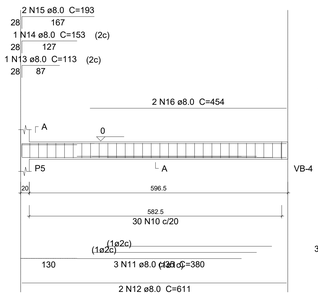
VB-1 (14 x 40)
ESC 1:50



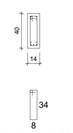
SEÇÃO A-A
ESC 1:25

58 N1 ø5.0 C=96

VB-2 (14 x 40)
ESC 1:50

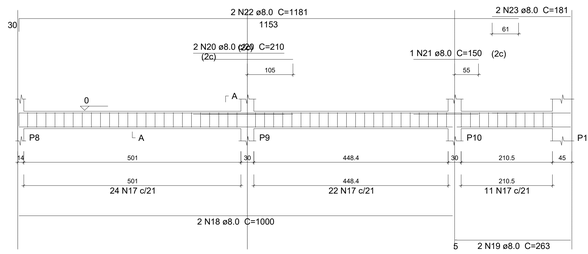


SEÇÃO A-A
ESC 1:25

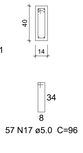


30 N10 ø5.0 C=96

VB-3 (14 x 40)
ESC 1:50

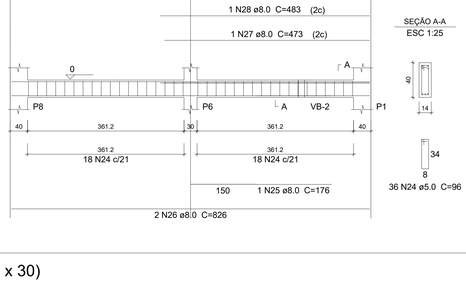


SEÇÃO A-A
ESC 1:25

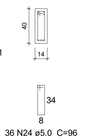


57 N17 ø5.0 C=96

VB-4 (14 x 40)
ESC 1:50

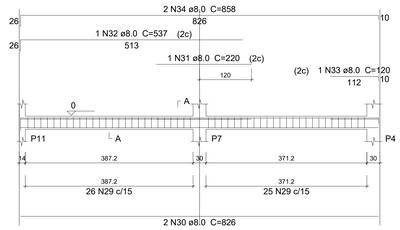


SEÇÃO A-A
ESC 1:25

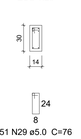


36 N24 ø5.0 C=96

VB-5 (14 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25



51 N29 ø5.0 C=76

Relação do aço

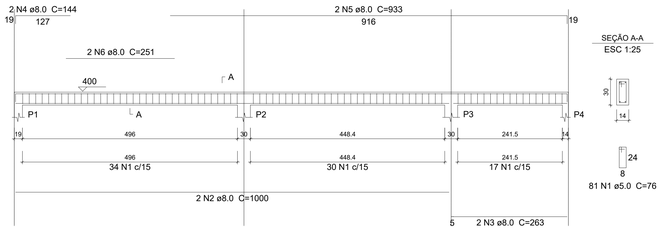
ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
VB-1	CA60	1	5.0	58	96	5568
	CA50	2	8.0	2	1000	2000
	CA50	3	8.0	2	263	526
	CA50	4	8.0	1	118	118
	CA50	5	8.0	2	163	326
	CA50	6	8.0	2	210	420
	CA50	7	8.0	1	160	160
	CA50	8	8.0	2	954	1908
	CA50	9	8.0	2	221	442
VB-2	CA60	10	5.0	30	96	2880
	CA50	11	8.0	3	380	1140
	CA50	12	8.0	2	611	1222
	CA50	13	8.0	1	113	113
	CA50	14	8.0	1	153	153
	CA50	15	8.0	2	193	386
	CA50	16	8.0	2	454	908
VB-3	CA60	17	5.0	57	96	5472
	CA50	18	8.0	2	1000	2000
	CA50	19	8.0	2	263	526
	CA50	20	8.0	2	210	420
	CA50	21	8.0	1	150	150
	CA50	22	8.0	2	1181	2362
	CA50	23	8.0	2	181	362
VB-4	CA60	24	5.0	36	96	3456
	CA50	25	8.0	1	176	176
	CA50	26	8.0	4	826	3304
	CA50	27	8.0	1	473	473
	CA50	28	8.0	1	483	483
VB-5	CA60	29	5.0	51	76	3876
	CA50	30	8.0	2	826	1652
	CA50	31	8.0	1	220	220
	CA50	32	8.0	1	537	537
	CA50	33	8.0	1	120	120
	CA50	34	8.0	2	858	1716

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8.0	243.3	96.1
CA60	5.0	212.6	32.7
PESO TOTAL			
CA50	96.1		
CA60	32.7		

Vol. de concreto total (C-25) = 2.59 m³
Área de forma total = 43.82 m²

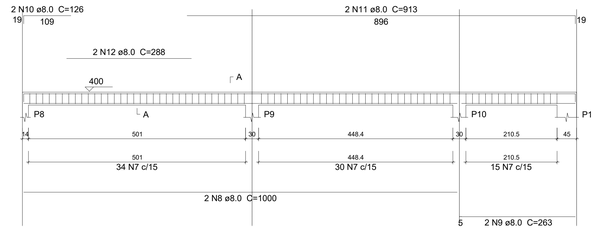
V101 (14 x 30)
ESC 1:50



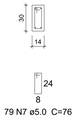
SEÇÃO A-A
ESC 1:25

81 N1 ø5.0 C=76

V102 (14 x 30)
ESC 1:50

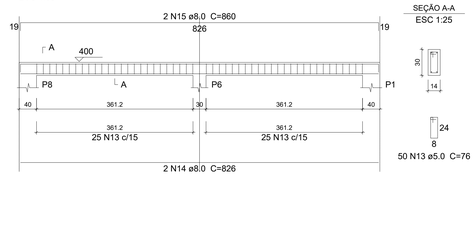


SEÇÃO A-A
ESC 1:25

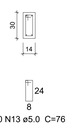


79 N7 ø5.0 C=76

V103 (14 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25



50 N13 ø5.0 C=76

Relação do aço

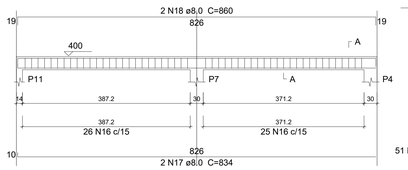
ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
V101	CA60	1	5.0	81	76	6156
	CA50	2	8.0	2	1000	2000
	CA50	3	8.0	2	263	526
	CA50	4	8.0	2	144	288
	CA50	5	8.0	2	933	1866
	CA50	6	8.0	2	251	502
V102	CA60	7	5.0	79	76	6004
	CA50	8	8.0	2	1000	2000
	CA50	9	8.0	2	263	526
	CA50	10	8.0	2	126	252
	CA50	11	8.0	2	913	1826
	CA50	12	8.0	2	288	576
V103	CA60	13	5.0	50	76	3800
	CA50	14	8.0	2	826	1652
	CA50	15	8.0	2	860	1720
V104	CA60	16	5.0	51	76	3876
	CA50	17	8.0	2	834	1668
	CA50	18	8.0	2	860	1720
V105	CA60	19	5.0	49	66	3234
	CA50	20	8.0	2	611	1222
	CA50	21	8.0	2	186	372
	CA50	22	8.0	2	449	898
V106	CA60	23	5.0	31	66	2046
	CA50	24	8.0	4	425	1700

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8.0	213.2	84.2
CA60	5.0	251.2	38.7
PESO TOTAL			
CA50	84.2		
CA60	38.7		

Vol. de concreto total (C-25) = 2.14 m³
Área de forma total = 37.95 m²

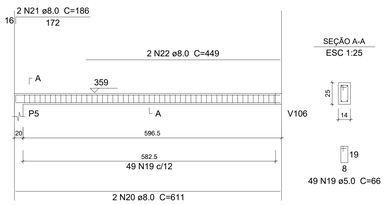
V104 (14 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25

51 N16 ø5.0 C=76

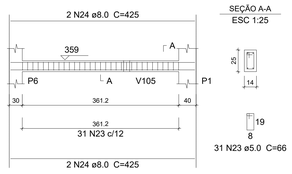
V105 (14 x 25)
ESC 1:50



SEÇÃO A-A
ESC 1:25

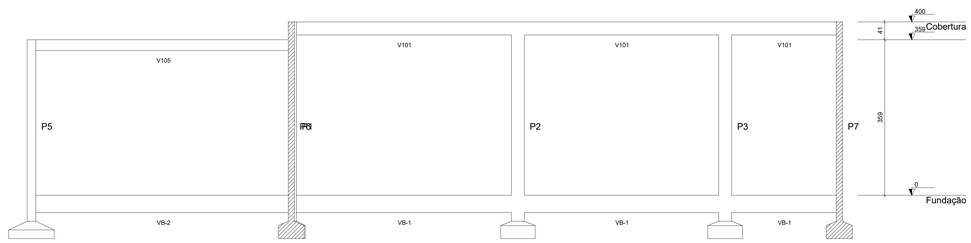
49 N19 ø5.0 C=66

V106 (14 x 25)
ESC 1:50

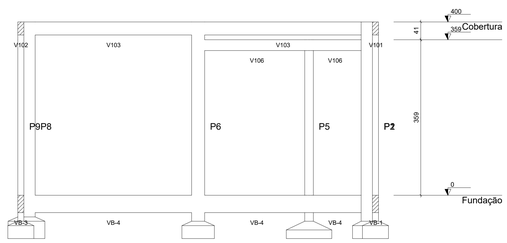


SEÇÃO A-A
ESC 1:25

31 N23 ø5.0 C=66



Corte A-A
escala 1:50



Corte B-B
escala 1:50

ENGENHARIA
Construindo Sonhos
ENG. CIVIL DOMINGOS DA COSTA
CREA-TO 211808/D
61 98404-4410 | 3393-8027
Rua 04, nº 06, Quadra 03, Lote 06, Sala 02, Setor Aeroporto, Palmas - TO

MURYLO RODRIGUES
ENGENHEIRO CIVIL
@eng.murylorodrigues

PROJETO ESTRUTURAL - SETOR 02

PROJETO
NÚMERO: 001/2023

OBRA: INSTITUCIONAL - SESC LER

RT. PROJETO:
DOMINGOS JOSE DA COSTA:87046091153
Assinado de forma digital por DOMINGOS JOSE DA COSTA:87046091153
Dados: 2023.10.17 16:50:47 -03'00'
DOMINGOS J. DA COSTA
ENG. CIVIL CREA-TO nº 211808/D

PROPRIETÁRIO:
SESC LER - Unidade Porto Nacional - TO
CNPJ: 004.507.611-18

RT. EXECUÇÃO:

DECLARO QUE A APROVAÇÃO DESSE PROJETO NÃO IMPLICA NO RECONHECIMENTO POR PARTE DA PREFEITURA DO DIREITO DE PROPRIEDADE DO TERRENO

DESENHO: ENG. MURYLO RODRIGUES CÂNDIDO DE OLIVEIRA
CONTEUDO: DETALHE DAS VIGAS BALDRAME, VIGAS DE COBERTURA E CORTES ESQUEMÁTICOS

ENDEREÇO: RUA NOVE, S/N, SETOR: NOVO PLANALTO
CIDADE: PORTO NACIONAL ESTADO: TO DATA: OUT./2023

ESCALA:	REVISÃO:	ÁREAS:	PRANCHA:
INDICADA		VER ARQ.	5/6

Formato: A0 (1189.00 X 841.00 MM)