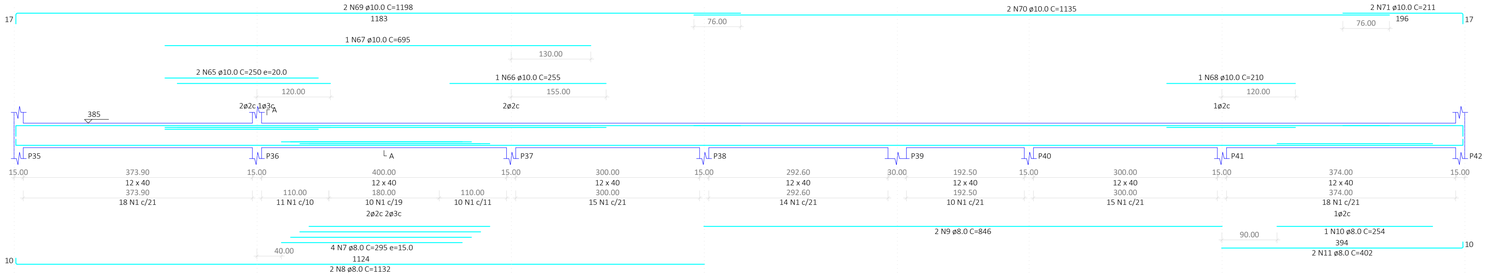
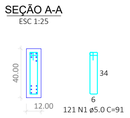
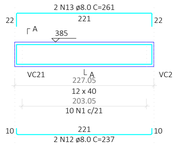
VC5
ESC 1:50



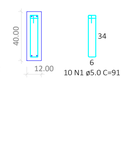
SEÇÃO A-A
ESC 1:25



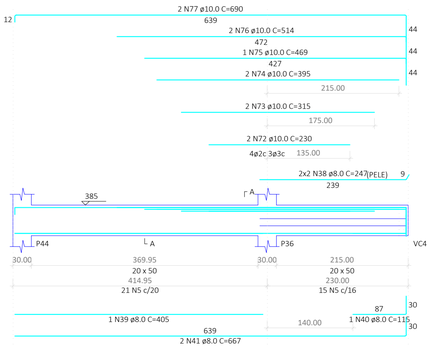
VC6
ESC 1:50



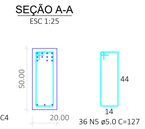
SEÇÃO A-A
ESC 1:25



VC10
ESC 1:50



SEÇÃO A-A
ESC 1:25

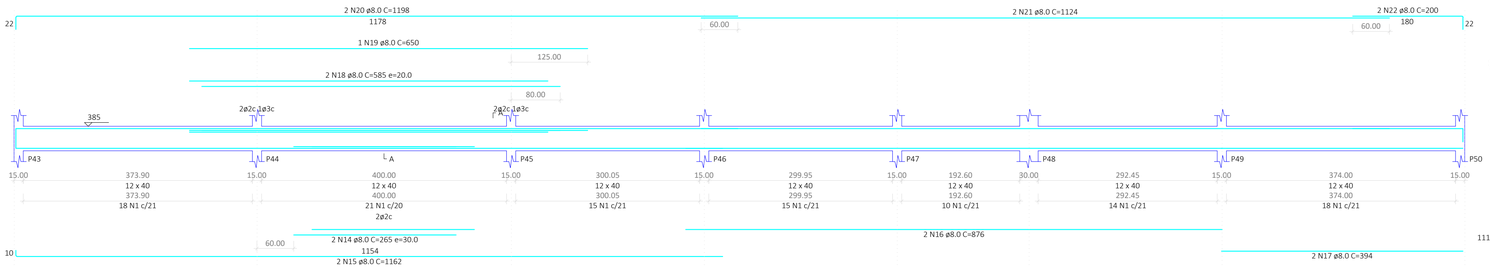


RELAÇÃO DO AÇO

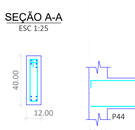
VC5	VC6	VC7
VC8	VC9	VC10
VC11	VC12	VC13
VC14	VC15	VC16
VC17	VC18	VC19
VC20	VC21	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	462	91	42042
	2	5.0	118	117	13806
	3	5.0	8	291	2328
	4	5.0	8	306	2448
	5	5.0	36	127	4572
	6	5.0	2	220	440
CA50	7	8.0	4	295	1180
	8	8.0	2	1132	2264
	9	8.0	2	846	1692
	10	8.0	1	254	254
	11	8.0	2	402	804
	12	8.0	2	237	474
	13	8.0	2	261	522
	14	8.0	2	265	530
	15	8.0	2	1162	2324
	16	8.0	2	876	1752
	17	8.0	2	394	788
	18	8.0	2	585	1170
	19	8.0	1	650	650
	20	8.0	2	1198	2396
	21	8.0	2	1124	2248
	22	8.0	2	200	400
	23	8.0	1	255	255
	24	8.0	1	177	177
	25	8.0	1	217	217
	26	8.0	2	917	1834
	27	8.0	2	197	394
	28	8.0	1	268	268
	29	8.0	1	215	215
	30	8.0	2	647	1294
	31	8.0	1	200	200
	32	8.0	1	487	487
	33	8.0	1	999	999
	34	8.0	3	1200	3600
	35	8.0	13	438	5694
	36	8.0	8	384	3072
	37	8.0	3	417	1251
	38	8.0	4	247	988
	39	8.0	1	405	405
	40	8.0	1	115	115
	41	8.0	2	667	1334
	42	8.0	3	404	1212
	43	8.0	1	150	150
	44	8.0	3	468	1404
	45	8.0	3	424	1272
	46	8.0	1	135	135
	47	8.0	3	454	1362
	48	8.0	1	289	289
	49	8.0	3	470	1410
	50	8.0	2	392	784
	51	8.0	1	173	173
	52	8.0	2	425	850
	53	8.0	2	250	500
	54	8.0	3	440	1320
	55	8.0	5	458	2290
	56	8.0	3	471	1413
	57	8.0	2	290	580
	58	8.0	3	397	1191
	59	8.0	2	113	226
	60	8.0	2	108	216
	61	8.0	4	472	1888
	62	8.0	3	417	1251
	63	8.0	3	144	432
	64	8.0	2	459	918
	65	10.0	2	250	500
	66	10.0	1	255	255
	67	10.0	1	695	695
	68	10.0	1	210	210
	69	10.0	2	1198	2396
	70	10.0	2	1135	2270
	71	10.0	2	211	422
	72	10.0	2	230	460
	73	10.0	2	315	630
	74	10.0	2	395	790
	75	10.0	1	469	469
	76	10.0	2	514	1028
	77	10.0	2	690	1380
	78	10.0	3	282	846
	79	10.0	2	443	886

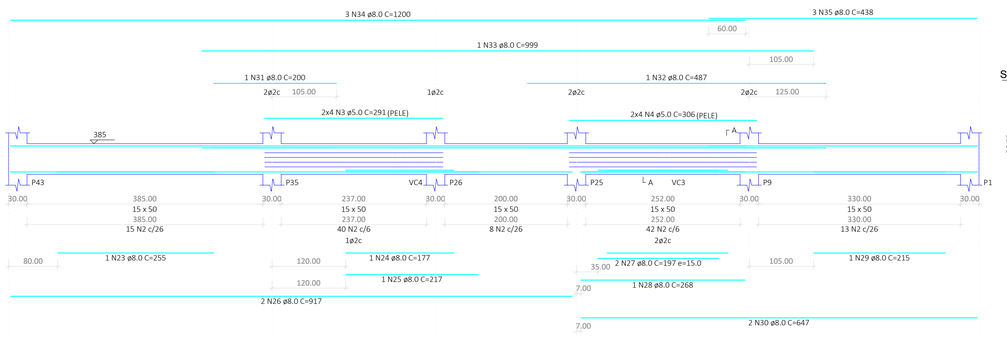
VC7
ESC 1:50



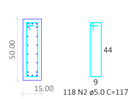
SEÇÃO A-A
ESC 1:25



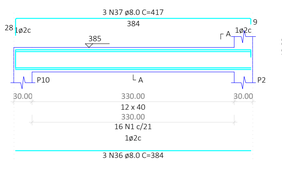
VC8
ESC 1:50



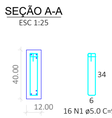
SEÇÃO A-A
ESC 1:25



VC9
ESC 1:50



SEÇÃO A-A
ESC 1:25

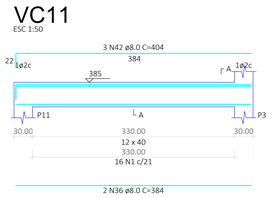


RESUMO DO AÇO

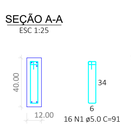
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	8.0	635.1	250.6
	10.0	132.4	81.6
CA60	5.0	656.4	101.2
PESO TOTAL (kg)			
CA50	332.2		
CA60	101.2		

Volume de concreto (C-25) = 6.62 m³
Área de forma = 117.73 m²

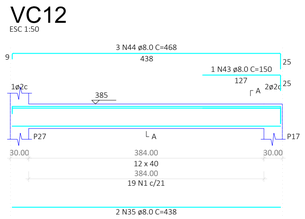
VC11
ESC 1:50



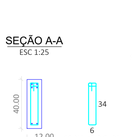
SEÇÃO A-A
ESC 1:25



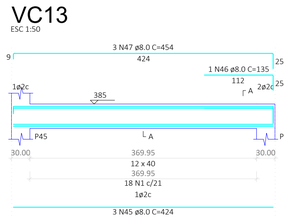
VC12
ESC 1:50



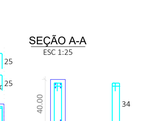
SEÇÃO A-A
ESC 1:25



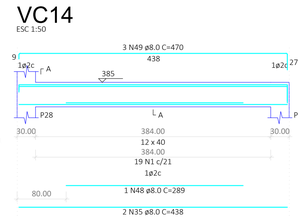
VC13
ESC 1:50



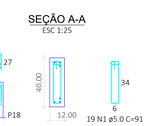
SEÇÃO A-A
ESC 1:25



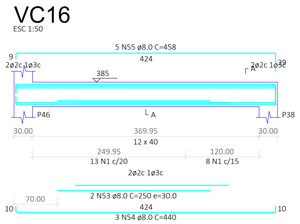
VC14
ESC 1:50



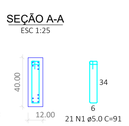
SEÇÃO A-A
ESC 1:25



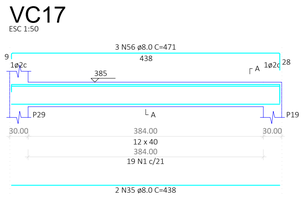
VC16
ESC 1:50



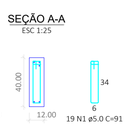
SEÇÃO A-A
ESC 1:25



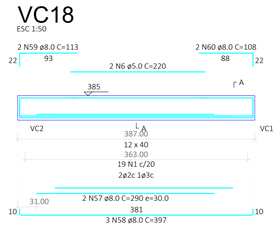
VC17
ESC 1:50



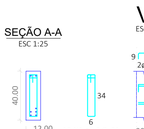
SEÇÃO A-A
ESC 1:25



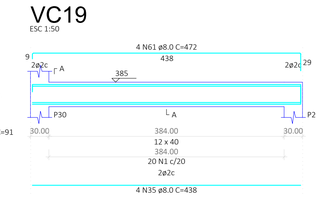
VC18
ESC 1:50



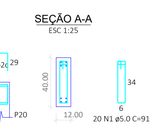
SEÇÃO A-A
ESC 1:25



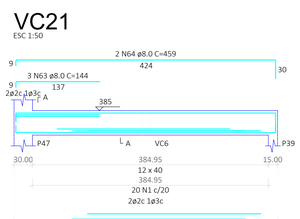
VC19
ESC 1:50



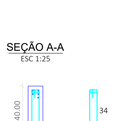
SEÇÃO A-A
ESC 1:25



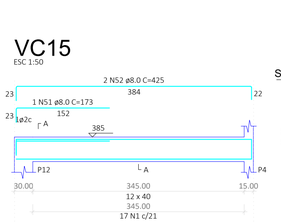
VC21
ESC 1:50



SEÇÃO A-A
ESC 1:25

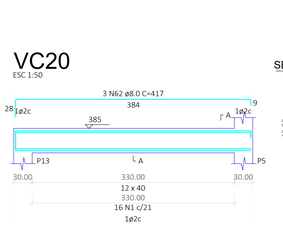


VC15
ESC 1:50



SEÇÃO A-A
ESC 1:25

VC20
ESC 1:50



SEÇÃO A-A
ESC 1:25

CONVÊNIO :

PROJETO ESTRUTURA DE CONCRETO

OBRA :
UNIDADE BÁSICA DE SAÚDE – PORTE I

ENDEREÇO DA OBRA :
PROJETO DE ASSENTAMENTO PROVIDÊNCIA, S/N , ZONA RURAL, BERNARDO SAYÃO – TO

QUADRO DE ÁREAS :

ÁREA :
VER PROJETO ARQUITETÔNICO

PROPRIETÁRIO :
FUNDO MUNICIPAL DE SAÚDE DE BERNARDO SAYÃO
CNPJ: 11.408.686/0001-70

LEONARDO SOUSA AMORIM:01818064103
Assinado de forma digital por LEONARDO SOUSA AMORIM:01818064103
Dados: 2025.03.10 09:31:56 -03'00'

AUTOR DO PROJETO :
LEONARDO SOUSA AMORIM
ENG. CIVIL CREA 307258/D-TO

LSA ENGENHARIA

Rua Raul do Espírito Santo, Nº 1373 - CEP: 77740-00
CNJP:28.758.127/0001-93
Colinas do Tocantins - TO
(63) 99278-6334
e-mail: lsaengenharia@outlook.com

ESCALA	DATA	RESP. DISENHO
INDICADA	SETEMBRO / 2024	LEONARDO (63) 99278-6334

CONTEÚDO :
DETALHE VIGAS COBERTURA – VC5 A VC21

FOLHA : A1

08 / 12