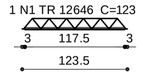
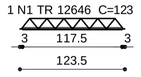
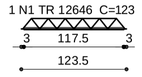
VT1a (9 unidades)
(L1)
ESC 1:50



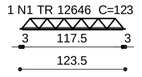
VT2a (9 unidades)
(L2)
ESC 1:50



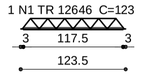
VT3a (11 unidades)
(L3)
ESC 1:50



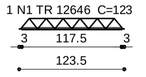
VT4a (9 unidades)
(L4)
ESC 1:50



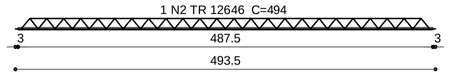
VT5a (9 unidades)
(L5)
ESC 1:50



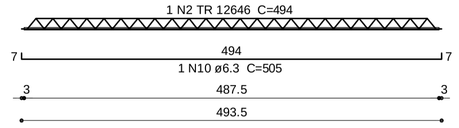
VT6a (9 unidades)
(L6)
ESC 1:50



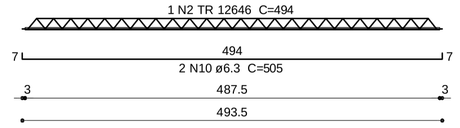
VT7a (2 unidades)
(L7)
ESC 1:50



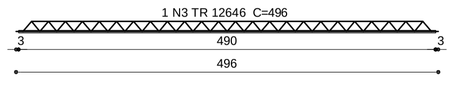
VT7b (2 unidades)
(L7)
ESC 1:50



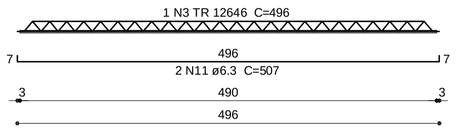
VT7c (10 unidades)
(L7)
ESC 1:50



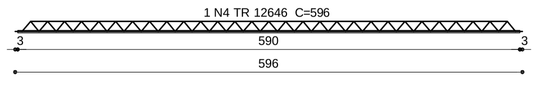
VT8a (4 unidades)
(L8)
ESC 1:50



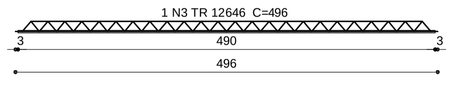
VT8b (10 unidades)
(L8)
ESC 1:50



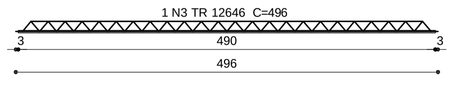
VT9a (4 unidades)
(L9)
ESC 1:50



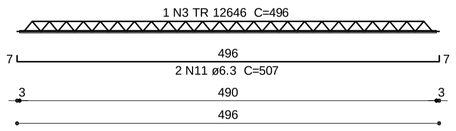
VT10a (6 unidades)
(L10)
ESC 1:50



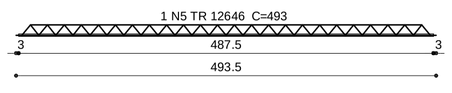
VT11a (4 unidades)
(L11)
ESC 1:50



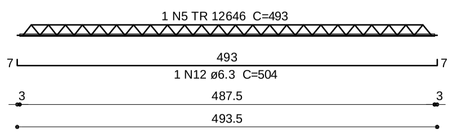
VT11b (10 unidades)
(L11)
ESC 1:50



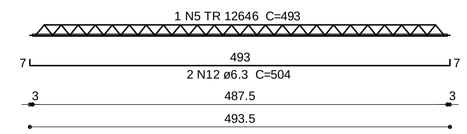
VT12a (2 unidades)
(L12)
ESC 1:50



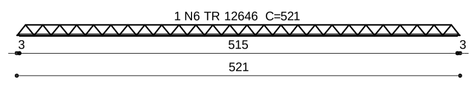
VT12b (2 unidades)
(L12)
ESC 1:50



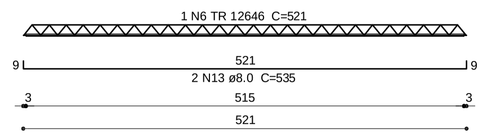
VT12c (10 unidades)
(L12)
ESC 1:50



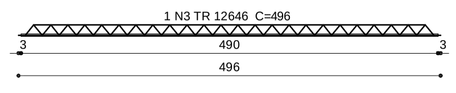
VT13a (6 unidades)
(L13)
ESC 1:50



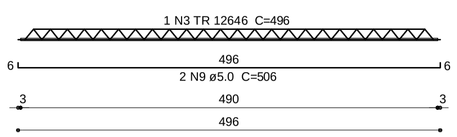
VT13b (12 unidades)
(L13)
ESC 1:50



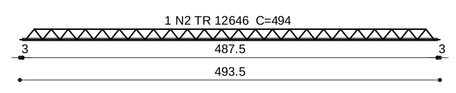
VT14a (4 unidades)
(L14)
ESC 1:50



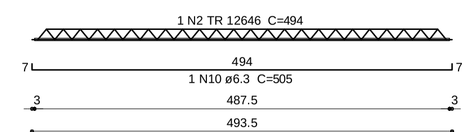
VT14b (4 unidades)
(L14)
ESC 1:50



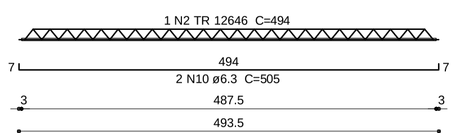
VT15a (2 unidades)
(L15)
ESC 1:50



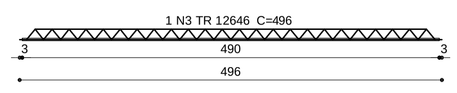
VT15b (2 unidades)
(L15)
ESC 1:50



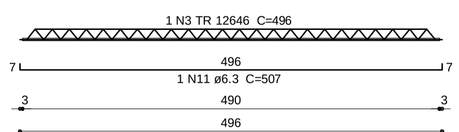
VT15c (10 unidades)
(L15)
ESC 1:50



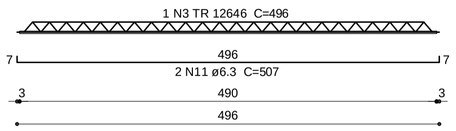
VT16a (3 unidades)
(L16)
ESC 1:50



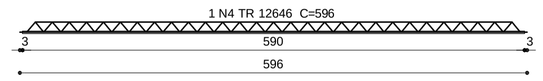
VT16b (2 unidades)
(L16)
ESC 1:50



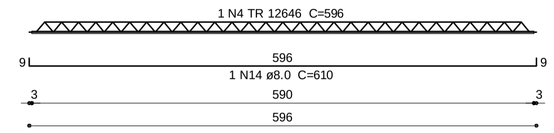
VT16c (9 unidades)
(L16)
ESC 1:50



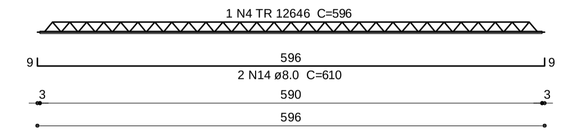
VT17a (2 unidades)
(L17)
ESC 1:50



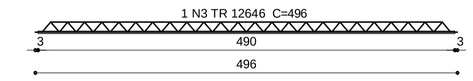
VT17b (2 unidades)
(L17)
ESC 1:50



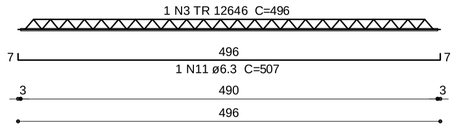
VT17c (10 unidades)
(L17)
ESC 1:50



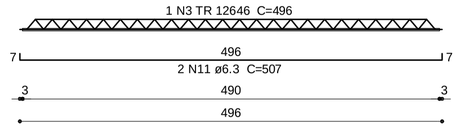
VT18a (3 unidades)
(L18)
ESC 1:50



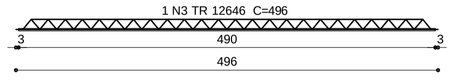
VT18b (2 unidades)
(L18)
ESC 1:50



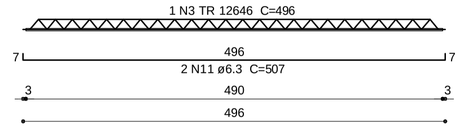
VT18c (9 unidades)
(L18)
ESC 1:50



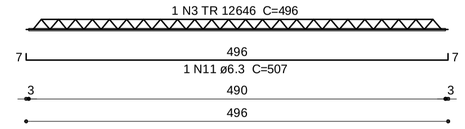
VT19a (4 unidades)
(L19)
ESC 1:50



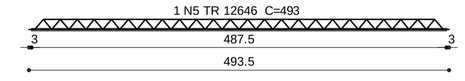
VT19b (10 unidades)
(L19)
ESC 1:50



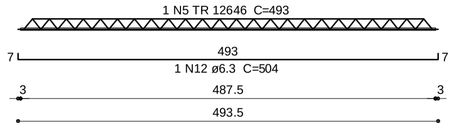
VT19c (1 unidades)
(L19)
ESC 1:50



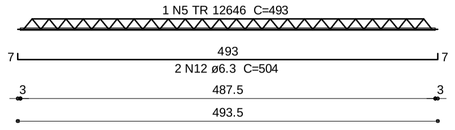
VT20a (2 unidades)
(L20)
ESC 1:50



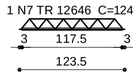
VT20b (2 unidades)
(L20)
ESC 1:50



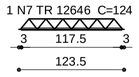
VT20c (10 unidades)
(L20)
ESC 1:50



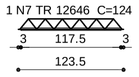
VT21a (9 unidades)
(L21)
ESC 1:50



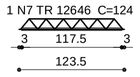
VT22a (9 unidades)
(L22)
ESC 1:50



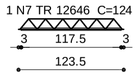
VT23a (11 unidades)
(L23)
ESC 1:50



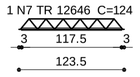
VT24a (9 unidades)
(L24)
ESC 1:50



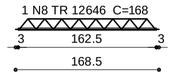
VT25a (9 unidades)
(L25)
ESC 1:50



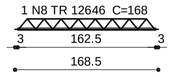
VT26a (9 unidades)
(L26)
ESC 1:50



VT27a (11 unidades)
(L27)
ESC 1:50



VT28a (9 unidades)
(L28)
ESC 1:50



Relação do aço

9xVT1a	9xVT2a	11xVT3a
9xVT4a	9xVT5a	9xVT6a
2xVT7a	2xVT7b	10xVT7c
4xVT8a	10xVT8b	4xVT9a
6xVT10a	4xVT11a	10xVT11b
2xVT12a	2xVT12b	10xVT12c
6xVT13a	12xVT13b	4xVT14a
4xVT14b	2xVT15a	2xVT15b
10xVT15c	3xVT16a	2xVT16b
9xVT16c	2xVT17a	2xVT17b
10xVT17c	3xVT18a	2xVT18b
9xVT18c	4xVT19a	10xVT19b
VT19c	2xVT20a	2xVT20b
10xVT20c	9xVT21a	9xVT22a
11xVT23a	9xVT24a	9xVT25a
9xVT26a	11xVT27a	9xVT28a

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	TR 12646	56	123	6888
	2	TR 12646	28	494	13832
	3	TR 12646	85	496	42160
	4	TR 12646	18	596	10728
	5	TR 12646	28	493	13804
	6	TR 12646	18	521	9378
	7	TR 12646	56	124	6944
	8	TR 12646	20	168	3360
	9	5.0	8	506	4048
CA50	10	6.3	44	505	22220
	11	6.3	101	507	51207
	12	6.3	44	504	22176
	13	8.0	24	535	12840
	14	8.0	22	610	13420

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	6.3	956.1	233.9
	8.0	262.6	103.6
CA60	TR 12646	1071	1089.1
	5.0	40.5	6.2
PESO TOTAL			
CA50	337.6		
CA60	1095.4		

RESPONSÁVEL PELO PROJETO: Diogenes Soares Marques CREA 161256226-4

PROPRIETÁRIO DA OBRA: UFPB - Universidade Federal da Paraíba

RESPONSÁVEL PELA EXECUÇÃO

PILAR ENGENHARIA

PROJETO ESTRUTURAL

OBRA/EDIFICAÇÃO: Bloco Sala de Aula, CHÁ BANANEIRAS
PROPRIETÁRIO: UFPB - Universidade Federal da Paraíba
CÓD. DO PROJETO: CCHSA---00960-01-MAR
ENDEREÇO: CAMPUS III - CHÁ BANANEIRAS

DATA	RESPONSÁVEL	INSC. PMJP	RÚBRICA
OUTUBRO/2014			
VERSÃO:		VISTO:	

ENGENHEIRO PROJETISTA:
Diogenes Soares Marques
CREA 161256226-4
Fone: (083) 8839-4602

PRANCHA:	DESENHO(S):	ESCALA(S):	CONTROLE DE PROJETO	
23/31	ARMAÇÃO DAS VIGOTAS NÍVEL +6,30	1/50	VERSÃO	DESCRIÇÃO DA MODIFICAÇÃO