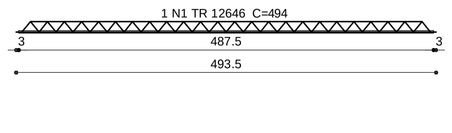
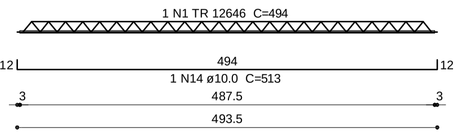
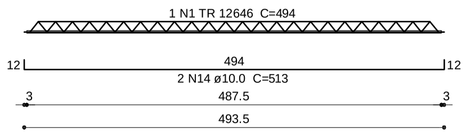
VT3a (2 unidades)
(L3)
ESC 1:50



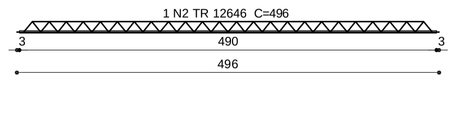
VT3b (4 unidades)
(L3)
ESC 1:50



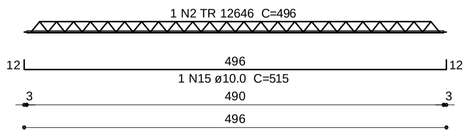
VT3c (8 unidades)
(L3)
ESC 1:50



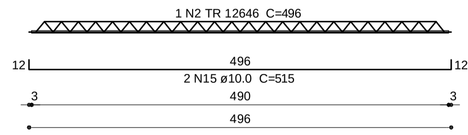
VT4a (2 unidades)
(L4)
ESC 1:50



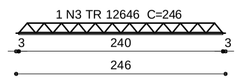
VT4b (4 unidades)
(L4)
ESC 1:50



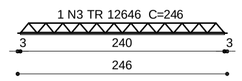
VT4c (8 unidades)
(L4)
ESC 1:50



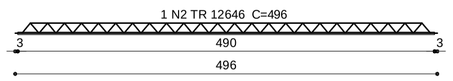
VT5a (11 unidades)
(L5)
ESC 1:50



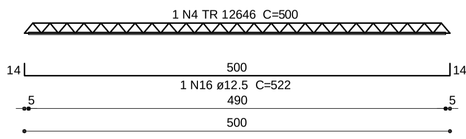
VT6a (11 unidades)
(L6)
ESC 1:50



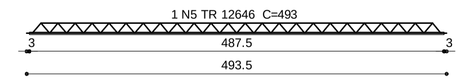
VT7a (2 unidades)
(L7)
ESC 1:50



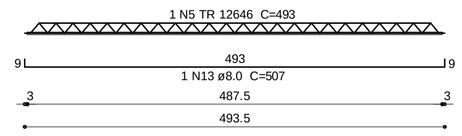
VT7b (12 unidades)
(L7)
ESC 1:50



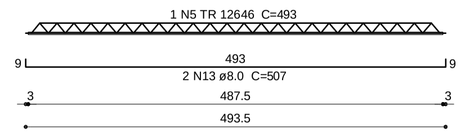
VT8a (2 unidades)
(L8)
ESC 1:50



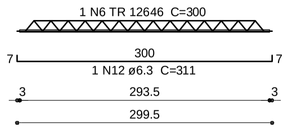
VT8b (2 unidades)
(L8)
ESC 1:50



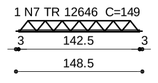
VT8c (10 unidades)
(L8)
ESC 1:50



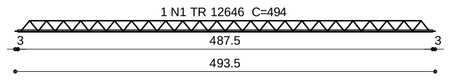
VT9a (11 unidades)
(L9)
ESC 1:50



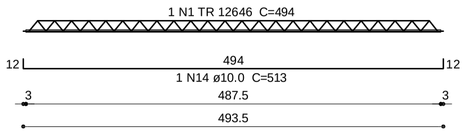
VT10a (9 unidades)
(L10)
ESC 1:50



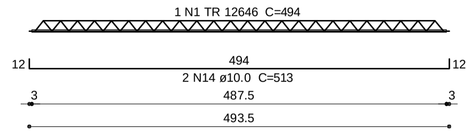
VT11a (2 unidades)
(L11)
ESC 1:50



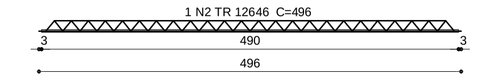
VT11b (4 unidades)
(L11)
ESC 1:50



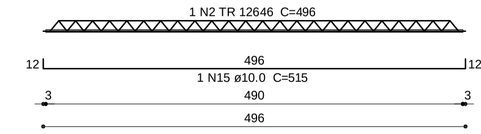
VT11c (8 unidades)
(L11)
ESC 1:50



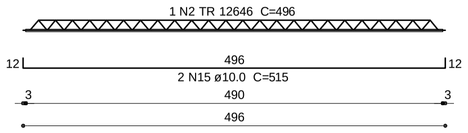
VT12a (2 unidades)
(L12)
ESC 1:50



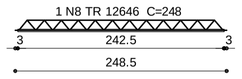
VT12b (4 unidades)
(L12)
ESC 1:50



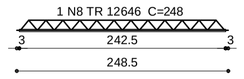
VT12c (8 unidades)
(L12)
ESC 1:50



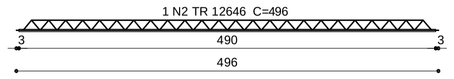
VT13a (11 unidades)
(L13)
ESC 1:50



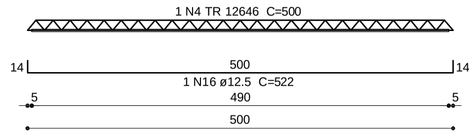
VT14a (9 unidades)
(L14)
ESC 1:50



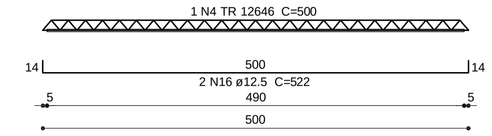
VT15a (2 unidades)
(L15)
ESC 1:50



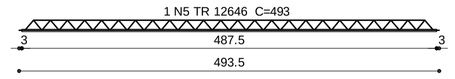
VT15b (9 unidades)
(L15)
ESC 1:50



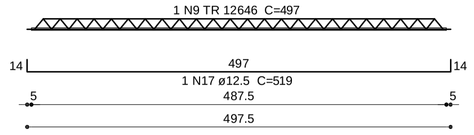
VT15c (4 unidades)
(L15)
ESC 1:50



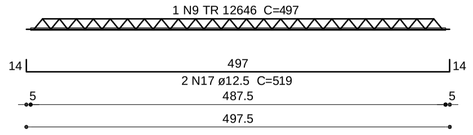
VT16a (2 unidades)
(L16)
ESC 1:50



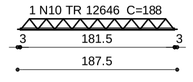
VT16b (10 unidades)
(L16)
ESC 1:50



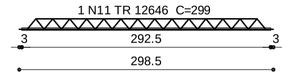
VT16c (3 unidades)
(L16)
ESC 1:50



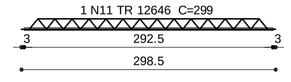
VT17a (9 unidades)
(L17)
ESC 1:50



VT19a (11 unidades)
(L19)
ESC 1:50



VT20a (9 unidades)
(L20)
ESC 1:50



Relação do aço

2xVT3a	4xVT3b	8xVT3c			
2xVT4a	4xVT4b	8xVT4c			
11xVT5a	11xVT6a	2xVT7a			
12xVT7b	2xVT8a	2xVT8b			
10xVT8c	11xVT9a	9xVT10a			
2xVT11a	4xVT11b	8xVT11c			
2xVT12a	4xVT12b	8xVT12c			
11xVT13a	9xVT14a	2xVT15a			
9xVT15b	4xVT15c	2xVT16a			
10xVT16b	3xVT16c	9xVT17a			
11xVT19a	9xVT20a				

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	TR 12646	28	494	13832
	2	TR 12646	32	496	15872
	3	TR 12646	22	246	5412
	4	TR 12646	25	500	12500
	5	TR 12646	16	493	7888
	6	TR 12646	11	300	3300
	7	TR 12646	9	149	1341
	8	TR 12646	20	248	4960
	9	TR 12646	13	497	6461
	10	TR 12646	9	188	1692
	11	TR 12646	20	299	5980
CA50	12	6.3	11	311	3421
	13	8.0	22	507	11154
	14	10.0	40	513	20520
	15	10.0	40	515	20600
	16	12.5	29	522	15138
	17	12.5	16	519	8304

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	6.3	34.3	8.4
	8.0	111.6	44
	10.0	411.2	253.5
	12.5	234.5	225.8
CA60	TR 12646	792.4	805.9
PESO TOTAL			
CA50	531.7		
CA60	805.9		

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, CHÃ BANANEIRAS
PROPRIETÁRIO: UFPB - Universidade Federal da Paraíba
CÓD. DO PROJETO: CCHSA-**-00960-01-MAR
ENDEREÇO: CAMPUS III - CHÃ BANANEIRAS

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

ENGENHEIRO PROJETISTA:
Diogenes Soares Marques
CREA 161256226-4
Fone: (083) 8839-4692

PRANCHA: 22/31

DESENHO(S): ARMAÇÃO DAS VIGOTAS NÍVEL +3,15

ESCALA(S): 1/50

CONTROLE DE PROJETO	
VERSÃO	DESCRIÇÃO DA MODIFICAÇÃO