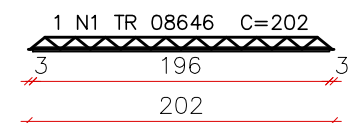
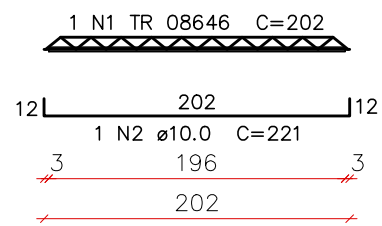


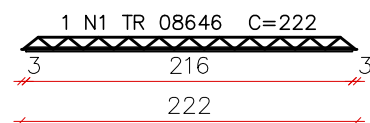
VT1a (1 unidades)
(L1)
ESC 1:50



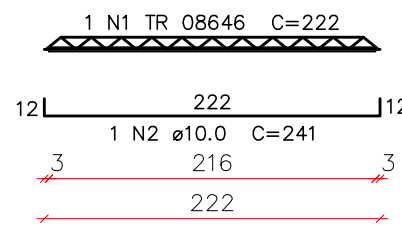
VT1b (7 unidades)
(L1)
ESC 1:50



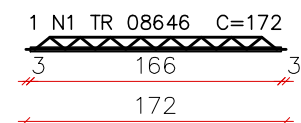
VT2a (1 unidades)
(L2)
ESC 1:50



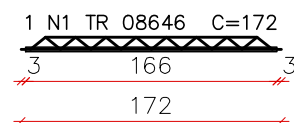
VT2b (7 unidades)
(L2)
ESC 1:50



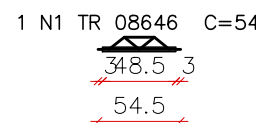
VT3a (11 unidades)
(L3)
ESC 1:50



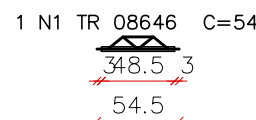
VT4a (5 unidades)
(L4)
ESC 1:50



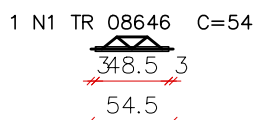
VT5a (5 unidades)
(L5)
ESC 1:50



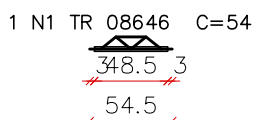
VT6a (9 unidades)
(L6)
ESC 1:50



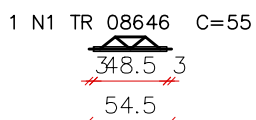
VT7a (9 unidades)
(L7)
ESC 1:50



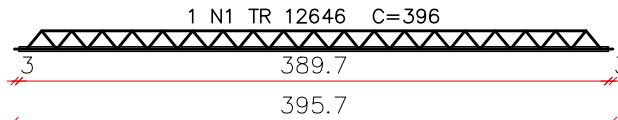
VT8a (9 unidades)
(L8)
ESC 1:50



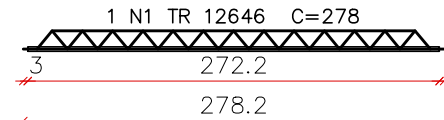
VT9a (1 unidades)
(L9)
ESC 1:50



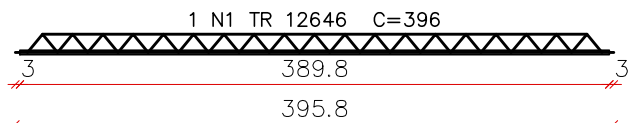
VT10a (6 unidades)
(L10)
ESC 1:50



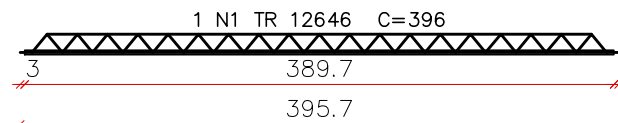
VT10b (5 unidades)
(L10)
ESC 1:50



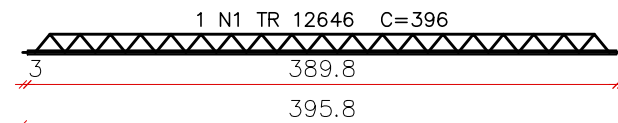
VT11a (9 unidades)
(L11)
ESC 1:50



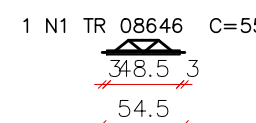
VT12a (9 unidades)
(L12)
ESC 1:50



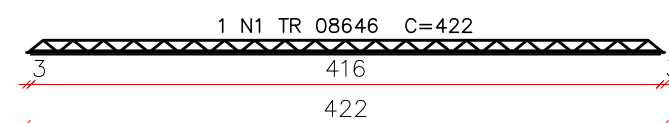
VT13a (9 unidades)
(L13)
ESC 1:50



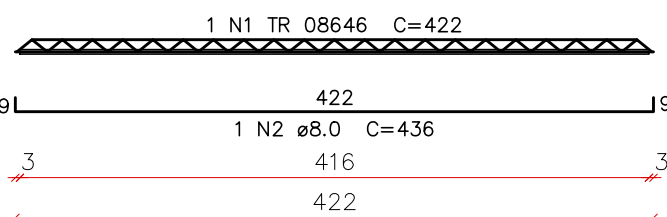
VT14a (9 unidades)
(L14)
ESC 1:50



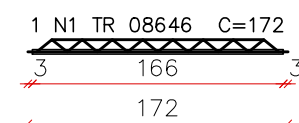
VT15a (3 unidades)
(L15)
ESC 1:50



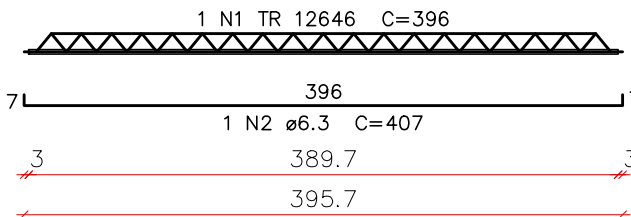
VT15b (9 unidades)
(L15)
ESC 1:50



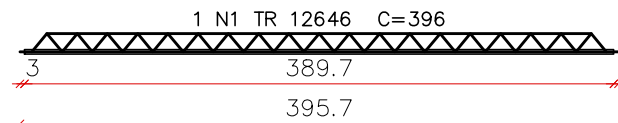
VT16a (5 unidades)
(L16)
ESC 1:50



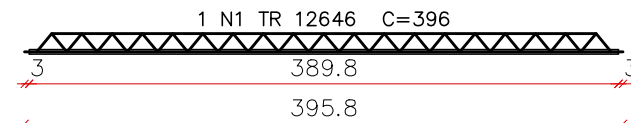
VT17a (11 unidades)
(L17)
ESC 1:50



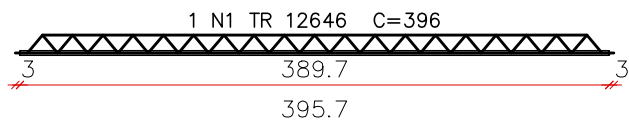
VT18a (9 unidades)
(L18)
ESC 1:50



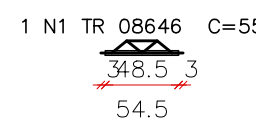
VT19a (9 unidades)
(L19)
ESC 1:50



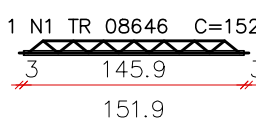
VT20a (9 unidades)
(L20)
ESC 1:50



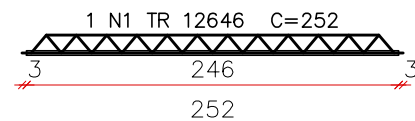
VT21a (9 unidades)
(L21)
ESC 1:50



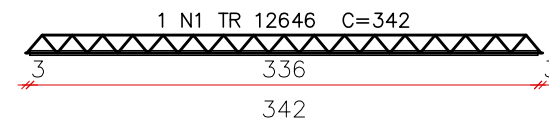
VT22a (3 unidades)
(L22)
ESC 1:50



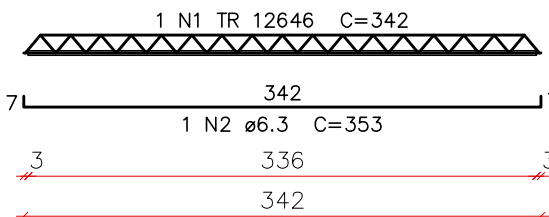
VT23a (10 unidades)
(L23)
ESC 1:50



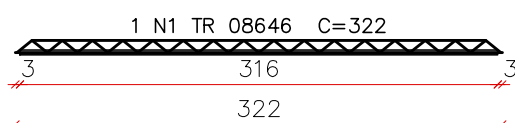
VT24a (9 unidades)
(L24)
ESC 1:50



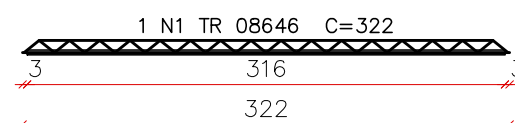
VT24b (1 unidades)
(L24)
ESC 1:50



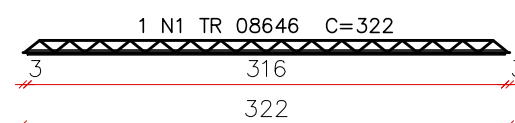
VT25a (10 unidades)
(L25)
ESC 1:50



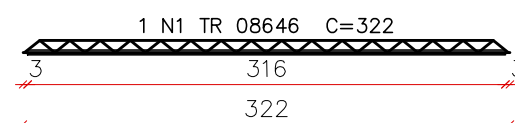
VT26a (10 unidades)
(L26)
ESC 1:50



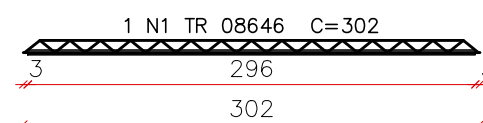
VT27a (10 unidades)
(L27)
ESC 1:50



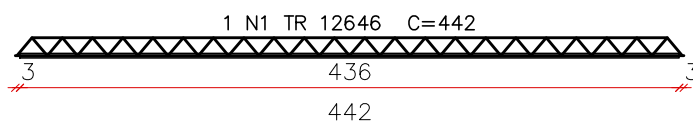
VT28a (10 unidades)
(L28)
ESC 1:50



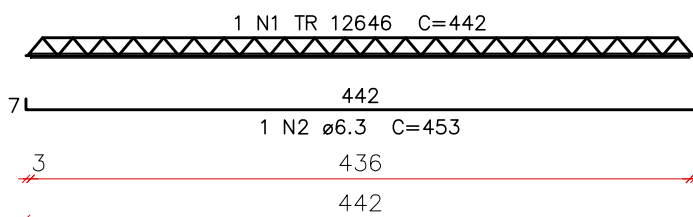
VT29a (10 unidades)
(L29)
ESC 1:50



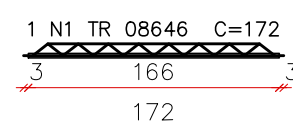
VT30a (9 unidades)
(L30)
ESC 1:50



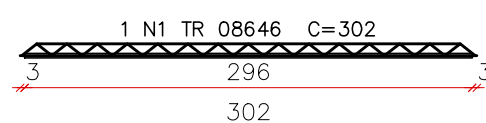
VT30b (5 unidades)
(L30)
ESC 1:50



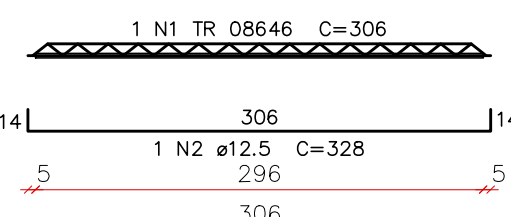
VT31a (31 unidades)
(L31)
ESC 1:50



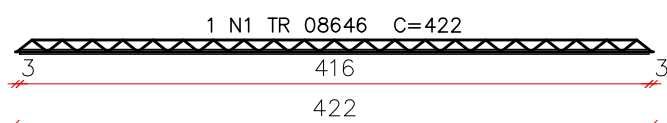
VT32a (13 unidades)
(L32)
ESC 1:50



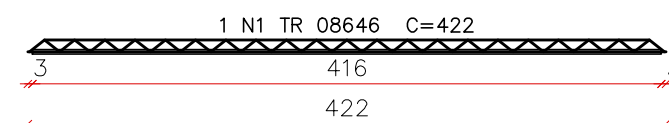
VT32b (1 unidades)
(L32)
ESC 1:50



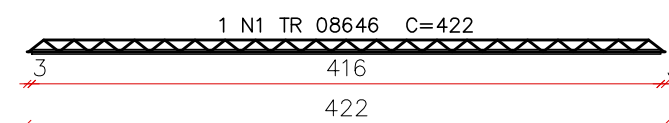
VT33a (8 unidades)
(L33)
ESC 1:50



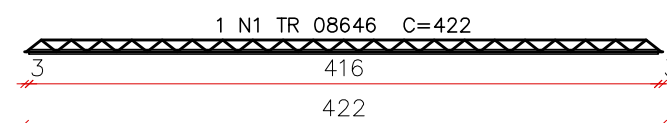
VT34a (8 unidades)
(L34)
ESC 1:50



VT35a (8 unidades)
(L35)
ESC 1:50



VT36a (8 unidades)
(L36)
ESC 1:50



Relação do aço

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
VT1a	CA60	1	TR 08646	1	202	202
7xVT1b	CA60	1	TR 08646	7	202	1414
VT2a	CA50	2	10.0	7	221	1547
7xVT2b	CA60	1	TR 08646	7	222	1554
11xVT3a	CA50	2	10.0	7	241	1687
5xVT4a	CA60	1	TR 08646	5	172	860
5xVT5a	CA60	1	TR 08646	5	54	270
9xVT6a	CA60	1	TR 08646	9	54	486
9xVT7a	CA60	1	TR 08646	9	54	486
9xVT8a	CA60	1	TR 08646	9	54	486
VT9a	CA60	1	TR 08646	1	55	55
6xVT10a	CA60	1	TR 12646	6	396	2376
5xVT10b	CA60	1	TR 12646	5	278	1390
9xVT11a	CA60	1	TR 12646	9	396	3564
9xVT12a	CA60	1	TR 12646	9	396	3564
9xVT13a	CA60	1	TR 12646	9	396	3564
9xVT14a	CA60	1	TR 08646	9	55	495
3xVT15a	CA60	1	TR 08646	3	422	1266
9xVT15b	CA60	1	TR 08646	9	422	3798
CA50	2	8.0	9	436	3924	
5xVT16a	CA60	1	TR 08646	5	172	860
11xVT17a	CA60	1	TR 12646	11	396	4356
CA50	2	6.3	11	407	4477	
9xVT18a	CA60	1	TR 12646	9	396	3564
9xVT19a	CA60	1	TR 12646	9	396	3564
9xVT20a	CA60	1	TR 12646	9	396	3564
9xVT21a	CA60	1	TR 08646	9	55	495
3xVT22a	CA60	1	TR 08646	3	152	456
10xVT23a	CA60	1	TR 12646	10	252	2520
9xVT24a	CA60	1	TR 12646	9	342	3078
VT24b	CA60	1	TR 12646	1	342	342
CA50	2	6.3	1	353	353	
10xVT25a	CA60	1	TR 08646	10	322	3220
10xVT26a	CA60	1	TR 08646	10	322	3220
10xVT27a	CA60	1	TR 08646	10	322	3220
10xVT28a	CA60	1	TR 08646	10	322	3220
10xVT29a	CA60	1	TR 08646	10	302	3020
9xVT30a	CA60	1	TR 12646	9	442	3978
5xVT30b	CA60	1	TR 12646	5	442	2210
CA50	2	6.3	5	453	2265	
31xVT31a	CA60	1	TR 08646	31	172	5332
13xVT32a	CA60	1	TR 08646	13	302	3926
VT32b	CA60	1	TR 08646	1	306	306
CA50	2	12.5	1	328	328	
8xVT33a	CA60	1	TR 08646	8	422	3376
8xVT34a	CA60	1	TR 08646	8	422	3376
8xVT35a	CA60	1	TR 08646	8	422	3376
8xVT36a	CA60	1	TR 08646	8	422	3376

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barros)	PESO + 10 % (kg)
CA50	6.3	71	7	19.1
	8.0	39.3	4	17
	10.0	32.4	3	21.9
	12.5	3.3	1	3.5
CA60	TR 08646	542.7	—	573.6
	TR 12646	416.4	—	465.8
PESO TOTAL (kg)				
CA50	61.5			
CA60	1039.4			

REV. 00 30/06/23 EMISSÃO INICIAL		DAC
REVISÃO: DATA : DESCRIÇÃO:		RESP.:
CLIENTE		
		
PROJETO	COORDENAÇÃO	
 Rua Cel. Joaquim Francisco, 341, Bairro Varginha – Itajubá / MG CEP: 37501-052 Tel: (35) 3623-8846 www.dacengenharia.com.br	ALÓISIO CAETANO FERREIRA	
RESPONSÁVEL TÉCNICO E AUTOR		
ENG. CIVIL FLÁVIA BARBOSA		CREA MG-187.842/D
EMPREENDIMENTO		
CONSTRUÇÃO DO CRAS BAIRRO SÃO GERALDO		
ENDEREÇO	DISCIPLINA	
RUA JOÃO PAULO VIDAL, B. SÃO GERALDO POUSO ALEGRE – MINAS GERAIS	ESTRUTURAL	
ASSUNTO	FASE DO PROJETO	
PROJETO ESTRUTURAL EM CONCRETO ARMADO MÓDULO 1 DETALHAMENTO DAS LAJES DO PAVIMENTO COBERTURA	EXECUTIVO	
FOLHA N.º		
20/52		
DATA INICIAL	ESCALA	REVISÃO
30/06/2023	INDICADA	ROO
ARQUIVO		
DAC-PMPA-CRAS-SG-PE-EST-ROO.DWG		