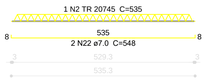
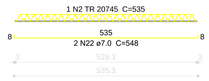
VT1a (14 unidades)
(L1)
ESC 1:75



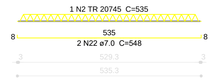
VT1b (1 unidades)
(L1)
ESC 1:75



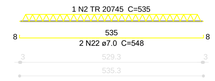
VT2a (15 unidades)
(L2)
ESC 1:75



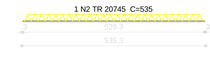
VT3a (15 unidades)
(L3)
ESC 1:75



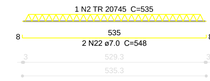
VT4a (15 unidades)
(L4)
ESC 1:75



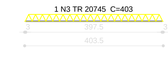
VT5a (1 unidades)
(L5)
ESC 1:75



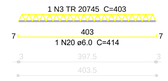
VT5b (14 unidades)
(L5)
ESC 1:75



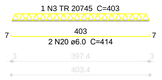
VT6a (4 unidades)
(L6)
ESC 1:75



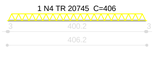
VT6b (4 unidades)
(L6)
ESC 1:75



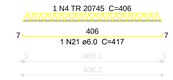
VT6c (7 unidades)
(L6)
ESC 1:75



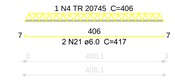
VT7a (3 unidades)
(L7)
ESC 1:75



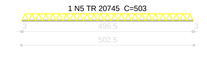
VT7b (4 unidades)
(L7)
ESC 1:75



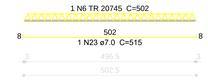
VT7c (8 unidades)
(L7)
ESC 1:75



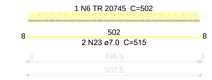
VT8a (2 unidades)
(L8)
ESC 1:75



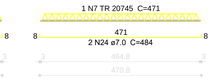
VT8b (5 unidades)
(L8)
ESC 1:75



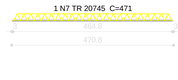
VT8c (6 unidades)
(L8)
ESC 1:75



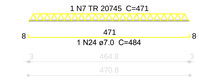
VT9a (14 unidades)
(L9)
ESC 1:75



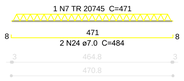
VT9b (1 unidades)
(L9)
ESC 1:75



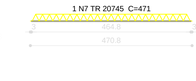
VT10a (5 unidades)
(L10)
ESC 1:75



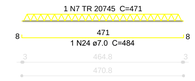
VT10b (9 unidades)
(L10)
ESC 1:75



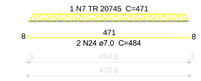
VT10c (1 unidades)
(L10)
ESC 1:75



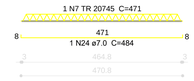
VT11a (6 unidades)
(L11)
ESC 1:75



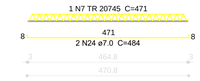
VT11b (9 unidades)
(L11)
ESC 1:75



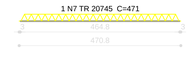
VT12a (6 unidades)
(L12)
ESC 1:75



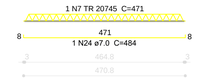
VT12b (9 unidades)
(L12)
ESC 1:75



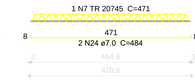
VT13a (1 unidades)
(L13)
ESC 1:75



VT13b (5 unidades)
(L13)
ESC 1:75



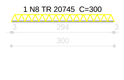
VT13c (9 unidades)
(L13)
ESC 1:75



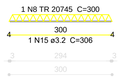
VT14a (19 unidades)
(L14)
ESC 1:75



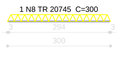
VT15a (5 unidades)
(L15)
ESC 1:75



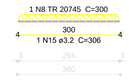
VT15b (10 unidades)
(L15)
ESC 1:75



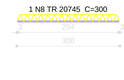
VT16a (4 unidades)
(L16)
ESC 1:75



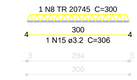
VT16b (11 unidades)
(L16)
ESC 1:75



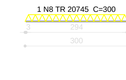
VT17a (4 unidades)
(L17)
ESC 1:75



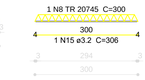
VT17b (11 unidades)
(L17)
ESC 1:75



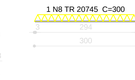
VT18a (4 unidades)
(L18)
ESC 1:75



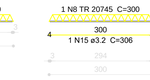
VT18b (11 unidades)
(L18)
ESC 1:75



VT19a (4 unidades)
(L19)
ESC 1:75



VT19b (11 unidades)
(L19)
ESC 1:75



VT20a (6 unidades)
(L20)
ESC 1:75



VT20b (10 unidades)
(L20)
ESC 1:75

VT22a (3 unidades)
(L22)
ESC 1:75

VT22b (12 unidades)
(L22)
ESC 1:75

VT23a (10 unidades)
(L23)
ESC 1:75

VT24a (8 unidades)
(L24)
ESC 1:75

VT25a (14 unidades)
(L25)
ESC 1:75

VT25b (1 unidades)
(L25)
ESC 1:75

VT26a (2 unidades)
(L26)
ESC 1:75

VT26b (4 unidades)
(L26)
ESC 1:75

VT26c (9 unidades)
(L26)
ESC 1:75

VT27a (2 unidades)
(L27)
ESC 1:75

VT27b (4 unidades)
(L27)
ESC 1:75

VT27c (9 unidades)
(L27)
ESC 1:75

VT28a (8 unidades)
(L28)
ESC 1:75

VT29a (3 unidades)
(L29)
ESC 1:75

VT30a (10 unidades)
(L30)
ESC 1:75

Relação do aço

14xVT1a	VT1b	15xVT2a
15xVT3a	15xVT4a	VT5a
14xVT5b	4xVT6a	4xVT6b
7xVT6c	3xVT7a	4xVT7b
8xVT7c	2xVT8a	5xVT8b
6xVT8c	14xVT9a	VT9b
5xVT10a	9xVT10b	VT10c
6xVT11a	9xVT11b	6xVT12a
9xVT12b	VT13a	5xVT13b
9xVT13c	19xVT14a	5xVT15a
10xVT15b	4xVT16a	11xVT16b
4xVT17a	11xVT17b	4xVT18a
11xVT18b	4xVT19a	11xVT19b
6xVT20a	10xVT20b	3xVT22a
12xVT22b	10xVT23a	8xVT24a
14xVT25a	VT25b	2xVT26a
4xVT26b	9xVT26c	2xVT27a
4xVT27b	9xVT27c	8xVT28a
3xVT29a	10xVT30a	

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	TR 10644	19	237	4503
	2	TR 20745	75	535	40125
	3	TR 20745	15	403	6045
	4	TR 20745	15	406	6090
	5	TR 20745	2	503	1006
	6	TR 20745	11	502	5522
	7	TR 20745	75	471	35325
	8	TR 20745	91	300	27300
	9	TR 20745	60	394	23640
	10	TR 20745	10	108	1080
	11	TR 20745	8	264	2112
	12	TR 20745	8	221	1768
	13	TR 20745	3	192	576
	14	TR 20745	10	68	680
	15	3.2	64	306	19584
	16	3.4	20	74	1480
	17	4.0	19	245	4655
	18	4.6	52	404	21008
	19	5.0	44	404	17776
	20	6.0	18	414	7452
	21	6.0	20	417	8340
	22	7.0	146	548	80008
	23	7.0	17	515	8755
	24	7.0	122	484	59048

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA60	TR 10644	45.1	37.7
	TR 20745	1512.7	1840.3
	3.2	195.9	13.6
	3.4	14.8	1.2
	4.0	46.6	5.1
	4.6	210.1	30.1
	5.0	177.8	30.1
	6.0	158	38.6
	7.0	1478.2	491.2

PESO TOTAL (kg)	
CA60	2487.9

REV.	DATA	NOME	DESCRIÇÃO

EMPRESA PROJETISTA

L & M Silveira Engenharia Ltda.
Tel: (16) 3026.6444, (16) 81858227
Email:lmsilveira.engenharia@gmail.com

LOCAL Av. Dr. Ismael Alonso & Alonso,2400 Franca-SP

PROJETO ANEXO DA UNIDADE II DO UNI-FACEF

FASE EXECUTIVO

CONTEÚDO

LAJES DE CONCRETO 1º PAVIMENTO
Armação das vigotas treliçadas

COORDENADOR ENG. CIVIL LUIZ MÁRCIO SILVEIRA
R.G. 6.490.046

EQUIPE TÉCNICA:
ENG. CIVIL LUIZ MÁRCIO SILVEIRA CREA 0600605852

DESENHO Luiz Márcio
ESCALA 1:100
DATA JUNHO/2015
VISTO
APROVAÇÃO
FOLHA LJC 02/09