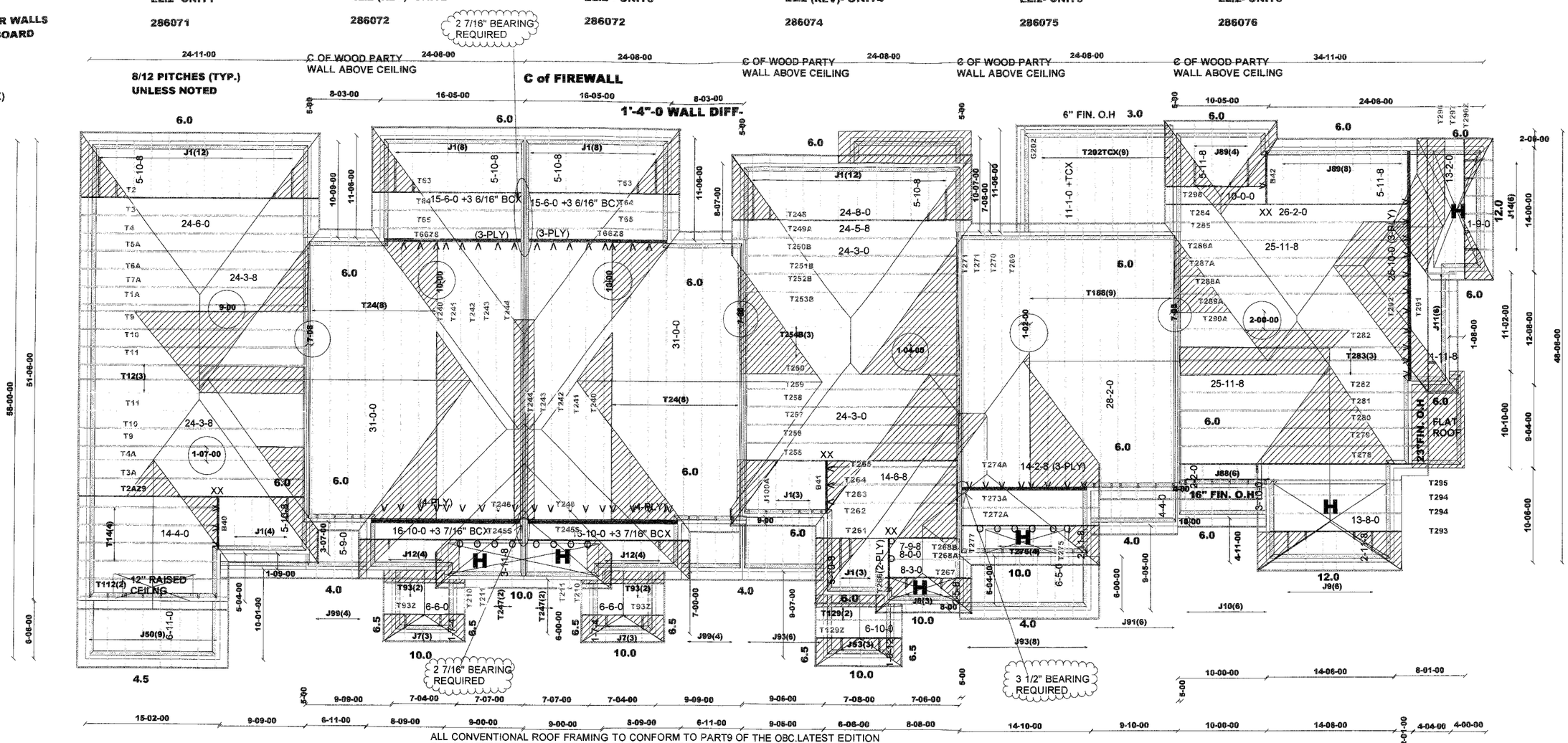
ASPHALT SHINGLES
12"FINISH O.H.
R.T.M.C
2X6 EXTERIOR WALLS
2X6 FASCIA BOARD

HARDWARE:

HGUS26-2 -(XX)
LJS26DS -(V)
LUS24 -(O)

HIGHGROVE-5E	HIGHGROVE-3	HIGHGROVE-3	HIGHGROVE-4	HIGHGROVE-1	HIGHGROVE-11
EL:2 UNIT1	EL:2 (REV)- UNIT2	EL:2 - UNIT3	EL:2 (REV)- UNIT4	EL:2- UNIT5	EL:2- UNIT6
286071	286072	286072	286074	286075	286076



T-170534

DENOTES:
CONVENTIONAL FRAMING

DENOTES:
H -2'-0-0 HIGHER PLATE

ALL B- 2-2X10 BEAMS (FLUSH)

ALL CONVENTIONAL ROOF FRAMING TO CONFORM TO PART9 OF THE OBC.LATEST EDITION
ROOF RAFTERS THAT MEET OR CROSS OVER TRUSSES ARE TO BE 2"X4"SPF@24"o.c.
WITH A 2"X4"SPF VERTICAL POST TO THE TRUSS UNDER AT EACH CROSS POINT.
POSTS LONGER THAN 6' TO BE LATERALLY BRACED SO THAT THE DISTANCE
BETWEEN END POINTS AND BETWEEN ROWS OF BRACING DOES NOT EXCEED 6'.

DESIGN LOADS:

SNOW LOAD 25.6 PSF
TC DEAD 3 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Job Track: **43954**	Builder / Location: **GREENPARK HOMES / WATERDOWN**	Model / Elevation: **BLOCK218 / UNIT1TO6 (REVISED)**	Mitek ver 7.5.0
Layout ID: **283746**	Project: **RUSSEL GARDENS PHASE 2**		
Plan Log: **93446**	Date: 6/19/2018 Designer: **sonny**		

TAMARACK LUMBER INC
ALPA LUMBER GROUP

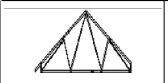
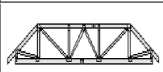
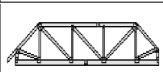
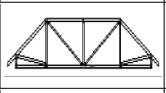
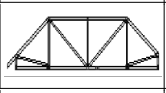
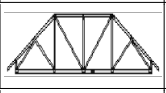
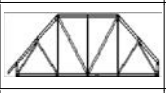
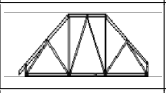
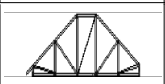
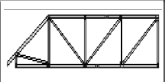
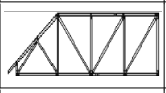
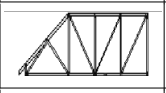
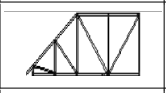
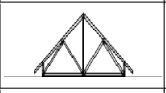
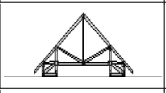
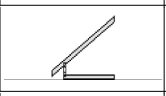
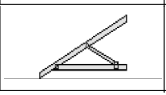
Delivery Shiplist

DATE	05/18/18
SALES REP	Mario

JOB TRACK: 43954 **LAYOUT ID:** 286071 **LOCATION:**
BUILDER: GREENPARK - RUSSELL GARDENS PH **SUB-BUILDER:**
MODEL: HIGHGROVE 5E **ELEVATION:** 2- UNIT1

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	**T1A** COMMON	8.00 / 0.00	**24-03-08**	09-06-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 01-06-08	102.41 / 64.00		
	1	**T2** HIP GIRDER	8.00 / 0.00	**24-06-00**	04-01-04	2 X 6	2 X 6	01-03-08 / 01-01-00	01-04-13 / 01-04-13	145.29 / 89.67		
	1	**T2AZ9** HIP GIRDER	8.00 / 0.00	**24-03-08**	04-01-04	2 X 4	2 X 6	01-03-08 / 00-00-00	01-04-13 / 01-06-08	126.51 / 80.00		
	1	**T3** HIP	8.00 / 0.00	**24-06-00**	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	97.09 / 60.83		
	1	**T3A** HIP	8.00 / 0.00	**24-03-08**	05-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 01-06-08	94.81 / 60.17		
	1	**T4** HIP	8.00 / 0.00	**24-06-00**	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	105.79 / 67.00		
	1	**T4A** HIP	8.00 / 0.00	**24-03-08**	06-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 01-06-08	103.53 / 66.33		
	1	**T5A** HIP	8.00 / 0.00	**24-03-08**	07-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 01-06-08	104.32 / 67.00		
	1	**T6A** HIP	8.00 / 0.00	**24-03-08**	08-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 01-06-08	108.82 / 69.50		
	1	**T7A** HIP	8.00 / 0.00	**24-03-08**	09-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 01-06-08	114.67 / 72.50		
	2	**T9** HALF HIP	8.00 / 0.00	**24-03-08**	05-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 05-01-04	197.10 / 123.66		
	2	**T10** HALF HIP	8.00 / 0.00	**24-03-08**	06-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 06-01-04	212.66 / 133.34		
	2	**T11** HALF HIP	8.00 / 0.00	**24-03-08**	07-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 07-01-04	225.56 / 142.68		
	3	**T12** HALF HIP	8.00 / 0.00	**24-03-08**	08-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 08-01-04	351.96 / 219.51		
	4	**T14** COMMON	8.00 / 0.00	**14-04-00**	06-02-02	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	247.04 / 156.00		
	2	**T112** ROOF	8.00 / 0.00	**14-04-00**	06-02-02	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	135.80 / 89.00		
	16	**J1** JACK-OPEN	6.00 / 0.00	**05-10-08**	04-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 04-01-04	268.64 / 170.72		
	9	**J50** JACK	4.50 / 0.00	**06-11-00**	02-11-12	2 X 4	2 X 4	01-03-08 / 00-00-00	00-04-10 / 02-11-12	184.86 / 114.03		

TOTAL # TRUSS= **50** TOTAL BFT OF ALL TRUSSES= **1845.94** BFT. TOTAL WEIGHT OF ALL TRUSSES= **2926.86** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16

TAMARACK LUMBER INC
ALPA LUMBER GROUP

Delivery Shiplist

DATE	05/18/18
SALES REP	Mario

JOB TRACK: 43954 **LAYOUT ID:** 286071 **LOCATION:**
BUILDER: GREENPARK - RUSSELL GARDENS PH **SUB-BUILDER:**
MODEL: HIGHGROVE 5E **ELEVATION:** 2- UNIT1

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
1	Hangers	HGUS26-2	
3	Hangers	LJS26DS	

TOTAL # ITEMS= **4**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

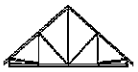
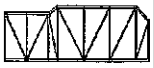
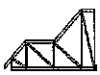
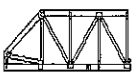
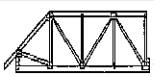
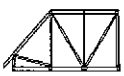
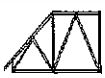
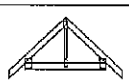
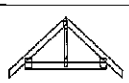
Delivery Shiplist

DATE	09/11/17
SALES REP	Mario

JOB TRACK: 43954 LAYOUT ID: 286072 LOCATION:
BUILDER: GREENPARK - RUSSELL GARDENS PH 2 SUB-BUILDER:
MODEL: HIGHGROVE 3 ELEVATION: 2 (REV)-UNIT2 OR 2- UNIT3

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	8	T24 COMMON	6.00 / 0.00	31-00-00	08-11-00	2 X 4	2 X 4	01-03-08 / 01-03-08	01-02-00 / 01-02-00	972.40 / 612.00		
	1	T240 ROOF	6.00 / 0.00	31-00-00	06-09-13	2 X 4	2 X 4	00-00-00 / 00-00-00	05-11-02 / 04-11-08	152.38 / 98.50		
	1	T241 ROOF	6.00 / 0.00	31-00-00	08-01-13	2 X 4	2 X 4	00-00-00 / 00-00-00	06-11-00 / 04-11-08	160.43 / 101.17		
	1	T242 ROOF	6.00 / 0.00	31-00-00	09-05-13	2 X 4	2 X 4	00-00-00 / 00-00-00	06-11-00 / 04-11-08	169.56 / 107.83		
	1	T243 ROOF	6.00 / 0.00	31-00-00	10-09-13	2 X 4	2 X 4	00-00-00 / 00-00-00	06-11-00 / 04-11-08	198.11 / 123.50		
	1	T244 ROOF	6.00 / 0.00	31-00-00	11-03-02	2 X 4	2 X 4	00-00-00 / 00-00-00	06-11-00 / 04-11-08	185.09 / 114.00		
	1	T245S ROOF	8.00 / 0.00	16-11-00	06-11-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 00-03-08	76.91 / 50.00		
	1 / 3 Ply	T246 HALF HIP	8.00 / 0.00	16-11-00	04-08-08	2 X 6	2 X 6	00-00-00 / 00-00-00	01-04-13 / 00-05-08	316.41 / 195.00		
	1	T63 HALF HIP	8.00 / 0.00	15-07-00	04-01-04	2 X 4	2 X 6	01-03-08 / 00-00-00	01-04-13 / 00-05-08	78.07 / 48.83		
	1	T64 HALF HIP	8.00 / 0.00	15-07-00	05-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 00-03-08	67.93 / 43.67		
	1	T65 HALF HIP	8.00 / 0.00	15-07-00	06-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 00-03-08	70.24 / 44.33		
	1 / 3 Ply	T66Z8 HALF HIP	8.00 / 0.00	15-07-00	06-08-12	2 X 6	2 X 6	00-00-00 / 00-00-00	01-04-13 / 00-05-08	330.21 / 198.00		
	1	T210 HALF HIP	10.00 / 0.00	03-11-08	02-02-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 04-02-13	21.65 / 14.67		
	1	T211 HALF HIP	10.00 / 0.00	03-11-08	03-06-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 05-06-13	26.04 / 17.67		
	2	T247 MONO TRUSS	10.00 / 0.00	03-11-08	04-11-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 06-11-04	48.08 / 32.00		
	2	T93 COMMON	6.50 / 0.00	06-06-00	02-04-09	2 X 4	2 X 4	01-03-08 / 01-03-08	00-07-07 / 00-07-07	44.40 / 30.00		
	1	T93Z COMMON	6.50 / 0.00	06-06-00	02-04-09	2 X 4	2 X 4	01-03-08 / 01-03-08	00-07-07 / 00-07-07	22.20 / 15.00		
	8	J1 JACK-OPEN	6.00 / 0.00	05-10-08	04-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 04-01-04	134.32 / 85.36		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

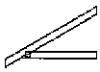
Delivery Shiplist

DATE	09/11/17
SALES REP	Mario

JOB TRACK: 43954 LAYOUT ID: 286072 LOCATION:
BUILDER: GREENPARK - RUSSELL GARDENS PH SUB-BUILDER:
MODEL: HIGHGROVE 3 ELEVATION: 2 (REV)-UNIT2 OR 2- UNIT3

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	3	J7 JACK-OPEN	10.00 0.00	01-07-04	02-04-07	2 X 4	2 X 4	01-03-08 00-00-00	01-00-06 02-04-07	21.27 15.99		
	4	J12 JACK-OPEN	8.00 0.00	02-11-08	03-04-08	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 03-04-08	42.04 26.68		
	4	J99 MONOPITCH	4.00 0.00	05-09-00	02-02-15	2 X 4	2 X 4	01-03-08 00-00-00	00-03-15 02-02-15	60.52 37.32		

TOTAL # TRUSS= **49.00** TOTAL BFT OF ALL TRUSSES= **2011.52** BFT. TOTAL WEIGHT OF ALL TRUSSES= **3198.26** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
4	Hangers	LUS24	
17	Hangers	LJS26DS	

TOTAL # ITEMS= **21.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

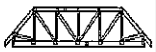
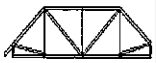
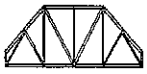
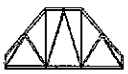
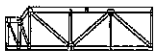
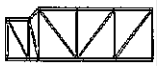
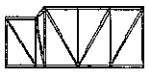
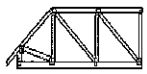
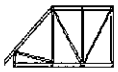
Delivery Shiplist

DATE	09/11/17
SALES REP	Mario

JOB TRACK: 43954 **LAYOUT ID:** 286074 **LOCATION:**
BUILDER: GREENPARK - RUSSELL GARDENS PH 2 **SUB-BUILDER:**
MODEL: HIGHGROVE4 **ELEVATION:** 2(REV)-UNIT4

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	T248 HIP GIRDER	8.00 0.00	24-08-00	04-01-04	2 X 6	2 X 6	01-03-08 01-03-08	01-04-13 01-04-13	149.55 92.00		
	1	T249A HIP	8.00 0.00	24-05-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 01-06-08	95.30 60.17		
	1	T250B HIP	8.00 0.00	24-03-00	06-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-06-08 01-06-08	101.89 65.67		
	1	T251B HIP	8.00 0.00	24-03-00	07-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-06-08 01-06-08	102.64 66.33		
	1	T252B HIP	8.00 0.00	24-03-00	08-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-06-08 01-06-08	107.21 69.50		
	1	T253B HIP	8.00 0.00	24-03-00	09-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-06-08 01-06-08	113.01 71.83		
	3	T254B COMMON	8.00 0.00	24-03-00	09-07-08	2 X 4	2 X 4	00-00-00 00-00-00	01-06-08 01-06-08	304.41 191.49		
	1	T255 ROOF	8.00 0.00	24-03-00	04-01-04	2 X 6	2 X 6	00-00-00 00-00-00	03-01-12 04-01-04	141.56 91.00		
	1	T256 ROOF	8.00 0.00	24-03-00	05-01-04	2 X 4	2 X 4	00-00-00 00-00-00	04-01-12 05-01-04	104.50 66.00		
	1	T257 ROOF	8.00 0.00	24-03-00	06-01-04	2 X 4	2 X 4	00-00-00 00-00-00	05-01-12 06-01-04	112.94 70.83		
	1	T258 ROOF	8.00 0.00	24-03-00	07-01-04	2 X 4	2 X 4	00-00-00 00-00-00	06-01-12 07-01-04	125.33 79.00		
	1	T259 ROOF	8.00 0.00	24-03-00	08-01-04	2 X 4	2 X 4	00-00-00 00-00-00	07-01-12 08-01-04	130.69 81.67		
	1	T260 ROOF	8.00 0.00	24-03-00	08-11-00	2 X 4	2 X 4	00-00-00 00-00-00	07-01-12 08-11-00	134.01 84.50		
	1	T261 HALF HIP	8.00 0.00	14-06-08	04-01-04	2 X 4	2 X 6	01-03-08 00-00-00	01-04-13 04-01-04	76.23 46.67		
	1	T262 HALF HIP	8.00 0.00	14-06-08	05-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-01-04	64.38 41.00		
	1	T263 HALF HIP	8.00 0.00	14-06-08	06-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-04-13 06-01-04	65.03 41.00		
	1	T264 HALF HIP	8.00 0.00	14-06-08	07-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-04-13 07-01-04	65.10 40.67		
	1	T265 HALF HIP	8.00 0.00	14-06-08	08-01-04	2 X 4	2 X 4	00-00-00 00-00-00	01-04-13 08-01-04	71.05 45.00		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

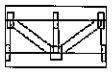
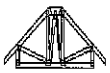
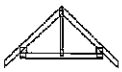
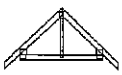
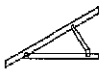
Delivery Shiplist

DATE	09/11/17
SALES REP	Mario

JOB TRACK: 43954 LAYOUT ID: 286074 LOCATION:
BUILDER: GREENPARK - RUSSELL GARDENS PH 2 SUB-BUILDER:
MODEL: HIGHGROVE4 ELEVATION: 2(REV)-UNIT4

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	1 2 Ply	T266 FLAT GIRDER	0.00 0.00	05-10-08	02-00-00	2 X 6	2 X 6	00-00-00 00-00-00	02-00-00 02-00-00	61.94 40.00		
	1	T267 HIP GIRDER	8.00 0.00	08-03-00	03-08-04	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	42.34 29.33		
	1	T268A COMMON	8.00 0.00	08-00-00	06-01-13	2 X 4	2 X 4	01-03-08 00-00-00	03-04-13 03-06-13	41.39 26.00		
	1	T268B COMMON	8.00 0.00	07-09-08	06-01-13	2 X 4	2 X 4	00-00-00 00-00-00	03-06-08 03-06-13	39.21 25.33		
	2	T129 COMMON	6.50 0.00	06-10-00	02-05-10	2 X 4	2 X 4	01-03-08 01-03-08	00-07-07 00-07-07	46.18 30.00		
	1	T129Z COMMON	6.50 0.00	06-10-00	02-05-10	2 X 4	2 X 4	01-03-08 01-03-08	00-07-07 00-07-07	23.09 15.00		
	18	J1 JACK-OPEN	6.00 0.00	05-10-08	04-01-04	2 X 4	2 X 4	01-03-08 00-00-00	01-02-00 04-01-04	302.22 192.06		
	3	J8 JACK-OPEN	10.00 0.00	02-05-08	03-08-04	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 03-08-04	30.09 21.99		
	3	J53 JACK-OPEN	10.00 0.00	01-08-12	02-05-11	2 X 4	2 X 4	01-03-08 00-00-00	01-00-06 02-05-11	22.26 15.99		
	6	J93 MONOPITCH	4.00 0.00	06-05-00	02-05-10	2 X 4	2 X 4	01-03-08 00-00-00	00-03-15 02-05-10	108.96 70.02		
	1	J100A JACK-OPEN	6.00 0.00	05-10-08	03-01-12	2 X 4	2 X 4	00-00-00 00-00-00	00-02-08 03-01-12	13.97 8.67		

TOTAL # TRUSS= **59.00** TOTAL BFT OF ALL TRUSSES= **1778.72** BFT. TOTAL WEIGHT OF ALL TRUSSES= **2796.48** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
2	Hangers	HGUS26-2	
3	Hangers	LJS26DS	
2	Hangers	LUS24	

TOTAL # ITEMS= **7.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

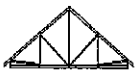
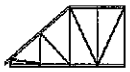
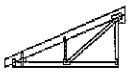
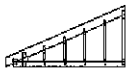
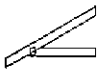
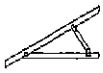
Delivery Shiplist

DATE	09/11/17
SALES REP	Mario

JOB TRACK: 43954 LAYOUT ID: 286075 LOCATION:
BUILDER: GREENPARK - RUSSELL GARDENS PH 2 SUB-BUILDER:
MODEL: HIGHGROVE1 ELEVATION: 2-UNIT5

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY / PLY	MARK TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	9	T188 COMMON	6.00 / 0.00	28-02-00	08-02-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-02-00 / 01-02-00	991.44 / 618.03		
	1	T269 HALF HIP	6.00 / 0.00	28-02-00	08-05-02	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 08-05-02	129.62 / 80.33		
	1	T270 HALF HIP	6.00 / 0.00	28-02-00	09-09-02	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 09-09-02	140.05 / 86.67		
	2	T271 COMMON	6.00 / 0.00	28-02-00	11-01-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 07-00-00	259.88 / 161.34		
	1	T272A HALF HIP	8.00 / 0.00	14-02-08	06-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	03-04-13 / 06-01-04	69.72 / 44.50		
	1	T273A HALF HIP	8.00 / 0.00	14-02-08	07-09-04	2 X 4	2 X 4	01-03-08 / 00-00-00	03-04-13 / 07-09-04	75.97 / 48.33		
	1 / 3 Ply	T274A HIP GIRDER	8.00 / 0.00	14-02-08	09-05-04	2 X 6	2 X 6	00-00-00 / 00-00-00	03-04-13 / 08-11-12	346.23 / 213.99		
	1	T275 HALF HIP	10.00 / 0.00	02-11-08	04-08-13	2 X 4	2 X 4	01-03-08 / 00-00-00	03-07-11 / 04-08-13	27.46 / 19.00		
	4	T276 MONO TRUSS	10.00 / 0.00	02-11-08	04-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 06-01-04	78.84 / 51.32		
	1	T277 MONO TRUSS	10.00 / 0.00	02-11-08	06-01-04	2 X 4	2 X 4	01-03-08 / 00-00-00	03-07-11 / 06-01-04	23.08 / 14.67		
	9	T202TCX MONOPITCH	3.00 / 0.00	11-01-00	03-07-13	2 X 6	2 X 4	00-09-08 / 00-00-00	00-08-04 / 03-07-13	431.37 / 279.00		
	1	G202 GABLE	3.00 / 0.00	11-01-00	03-05-08	2 X 6	2 X 4	00-09-08 / 00-00-00	00-08-04 / 03-05-08	43.96 / 29.33		
	6	J91 MONOPITCH	4.00 / 0.00	04-04-00	01-09-04	2 X 4	2 X 4	01-03-08 / 00-00-00	00-03-15 / 01-09-04	70.86 / 48.00		
	8	J93 MONOPITCH	4.00 / 0.00	06-05-00	02-05-10	2 X 4	2 X 4	01-03-08 / 00-00-00	00-03-15 / 02-05-10	145.28 / 93.36		

TOTAL # TRUSS= **48.00** TOTAL BFT OF ALL TRUSSES= **1787.87** BFT. TOTAL WEIGHT OF ALL TRUSSES= **2833.76** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
8	Hangers	LJS26DS	
6	Hangers	LUS24	

TOTAL # ITEMS= **14.00**

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

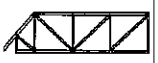
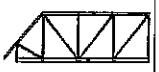
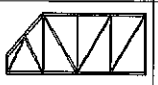
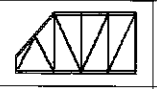
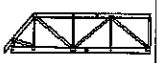
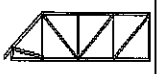
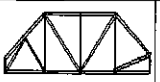
Delivery Shiplist

DATE	04/17/18
SALES REP	Mario

JOB TRACK: 43954 LAYOUT ID: 286076 LOCATION:
BUILDER: GREENPARK - RUSSELL GARDENS PH 2 SUB-BUILDER:
MODEL: HIGHGROVE11 ELEVATION: 2-UNIT6

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	T278 HALF HIP	8.00 0.00	25-11-08	02-05-00	2 X 4	2 X 4	02-02-08 00-00-00	02-00-03 02-05-00	105.94 64.66		
	1	T279 HALF HIP	8.00 0.00	25-11-08	03-05-00	2 X 4	2 X 4	02-02-08 00-00-00	02-00-03 03-05-00	99.82 62.17		
	1	T280 HALF HIP	8.00 0.00	25-11-08	04-05-00	2 X 4	2 X 4	02-02-08 00-00-00	02-00-03 04-05-00	101.61 63.50		
	1	T281 HALF HIP	8.00 0.00	25-11-08	05-05-00	2 X 4	2 X 4	02-02-08 00-00-00	02-00-03 05-05-00	106.94 66.00		
	2	T282 HALF HIP	8.00 0.00	25-11-08	06-05-00	2 X 4	2 X 4	00-00-00 00-00-00	02-00-03 06-05-00	224.24 139.00		
	3	T283 HALF HIP	8.00 0.00	25-11-08	07-05-00	2 X 4	2 X 4	00-00-00 00-00-00	02-00-03 07-05-00	355.29 216.00		
	1	T284 HALF HIP	8.00 0.00	26-02-00	04-01-12	2 X 6	2 X 6	01-03-08 00-00-00	01-04-13 04-01-12	147.02 90.67		
	1	T285 HALF HIP	8.00 0.00	26-02-00	05-01-12	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-01-12	104.31 64.50		
	1	T286A HIP	8.00 0.00	25-11-08	06-01-12	2 X 4	2 X 4	00-00-00 00-00-00	01-06-08 02-00-03	105.25 66.50		
	1	T287A HIP	8.00 0.00	25-11-08	07-01-12	2 X 4	2 X 4	00-00-00 00-00-00	01-06-08 02-00-03	113.02 71.67		
	1	T288A HIP	8.00 0.00	25-11-08	08-01-12	2 X 4	2 X 4	00-00-00 00-00-00	01-06-08 02-00-03	117.70 75.33		
	1	T289A HIP	8.00 0.00	25-11-08	09-01-12	2 X 4	2 X 4	00-00-00 00-00-00	01-06-08 02-00-03	117.58 73.83		
	1	T290A HIP	8.00 0.00	25-11-08	10-02-00	2 X 4	2 X 4	00-00-00 00-00-00	01-06-08 02-00-03	123.81 78.17		
	1	T291 HIP GIRDER	6.00 0.00	25-10-00	02-08-08	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	94.95 62.50		
	1 3 Ply	T292 HIP GIRDER	6.00 0.00	25-10-00	04-00-08	2 X 4	2 X 6	00-00-00 00-00-00	01-02-00 01-02-00	397.44 252.00		
	1	T293 HIP GIRDER	8.00 0.00	13-08-00	04-10-00	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	62.01 39.00		
	2	T294 COMMON	8.00 0.00	13-08-00	05-11-08	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	118.52 74.00		
	1	T295 COMMON	8.00 0.00	13-08-00	07-11-08	2 X 4	2 X 4	01-03-08 01-03-08	03-04-13 03-04-13	70.51 43.67		

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

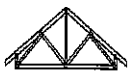
Delivery Shiplist

DATE	04/17/18
SALES REP	Mario

JOB TRACK: 43954 LAYOUT ID: 286076 LOCATION:
BUILDER: GREENPARK - RUSSELL GARDENS PH 2 SUB-BUILDER:
MODEL: HIGHGROVE11 ELEVATION: 2-UNIT6

ROOF TRUSSES

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	**T296** HIP GIRDER	6.00 / 0.00	**13-02-00**	03-07-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-02-00 / 01-02-00	54.63 / 37.00		
	1	**T296Z** HIP GIRDER	6.00 / 0.00	**13-02-00**	03-07-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-02-00 / 01-02-00	54.63 / 37.00		
	1	**T297** COMMON	6.00 / 0.00	**13-02-00**	04-05-08	2 X 4	2 X 4	01-03-08 / 01-03-08	01-02-00 / 01-02-00	52.60 / 32.67		
	1	**T298** HIP GIRDER	8.00 / 0.00	**10-00-00**	04-01-12	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 01-04-13	44.41 / 28.00		
	6	**J88** JACK-OPEN	6.00 / 0.00	**02-02-00**	02-05-00	2 X 4	2 X 4	01-07-08 / 00-00-00	01-04-00 / 02-05-00	50.70 / 36.00		
	12	**J89** JACK-OPEN	6.00 / 0.00	**05-11-08**	04-01-12	2 X 4	2 X 4	01-03-08 / 00-00-00	01-02-00 / 04-01-12	203.88 / 128.04		
	6	**J9** JACK-OPEN	12.00 / 0.00	**02-11-08**	04-10-00	2 X 4	2 X 4	01-03-08 / 00-00-00	01-10-08 / 04-10-00	73.38 / 48.00		
	6	**J10** MONOPITCH	6.00 / 0.00	**03-10-00**	02-05-12	2 X 4	2 X 4	01-03-08 / 00-00-00	00-06-12 / 02-05-12	70.44 / 43.98		
	6	**J11** JACK-OPEN	8.00 / 0.00	**01-11-08**	02-08-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 02-08-08	47.94 / 31.98		
	6	**J14** JACK-OPEN	12.00 / 0.00	**01-09-00**	03-07-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-10-08 / 03-07-08	53.40 / 36.00		

TOTAL # TRUSS= **70.00** TOTAL BFT OF ALL TRUSSES= **2061.84** BFT. TOTAL WEIGHT OF ALL TRUSSES= **3271.97** LBS.

HARDWARE

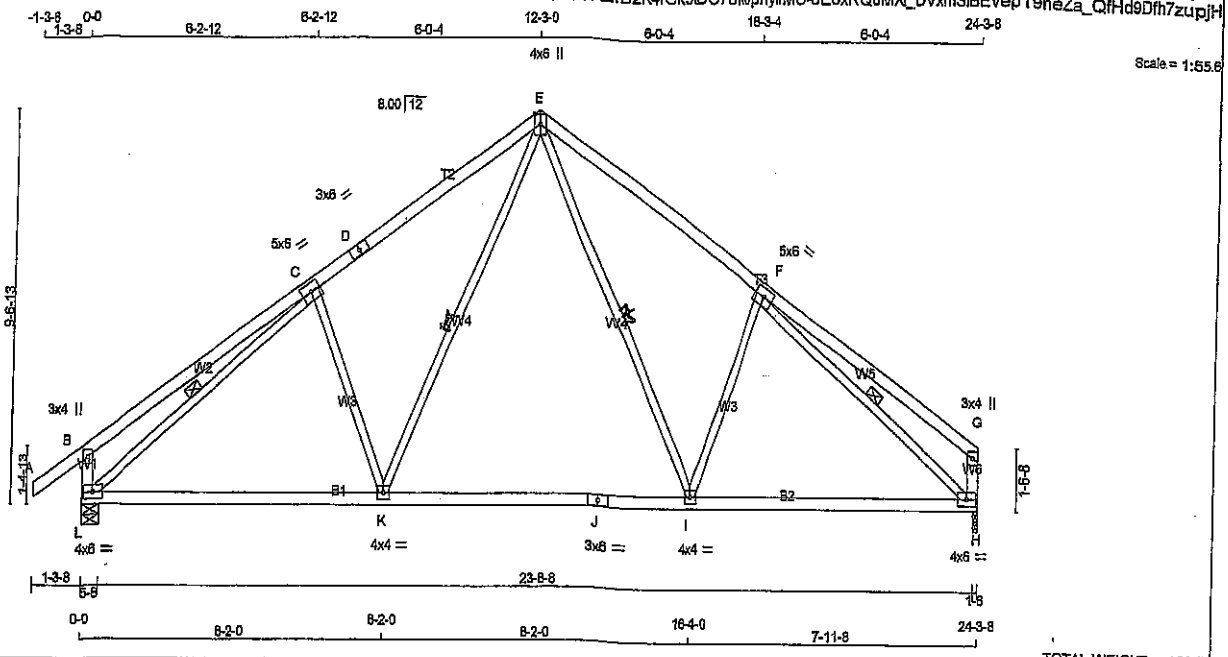
QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
1	Hangers	HGUS26-2	
12	Hangers	LJS26DS	

TOTAL # ITEMS= **13.00**

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43994	DRWG NO.
285994	T1A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 16 10:45:48 2018 Page 1
ID:w3K2tB2K4fGk9lDO7SkJphylfMC-oE6xRQ0MXj_DVxmSiBEVep19heZa_QfHd9Dfh7zupjH



TOTAL WEIGHT = 102 lb [M][F]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESGR.
A - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
L - B	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0		
D	TS-t	MT20	3.0	8.0		
E	TTWW+p	MT20	4.0	6.0	Edge	
F	TMWW-t	MT20	5.0	6.0		
G	TMV+p	MT20	3.0	4.0		
H	BMWW1-t	MT20	4.0	6.0		
I	BMWW-t	MT20	4.0	4.0		
J	BS-t	MT20	3.0	8.0		
K	BMWW-t	MT20	4.0	4.0		
L	BMWW1-t	MT20	4.0	6.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
L	1479	0	1479	0	0	5-8	5-8
H	1363	0	1363	0	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1198	692 / 0	255 / 0	0 / 0	0 / 0	251 / 0	0 / 0
H	1119	821 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) L, H

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.96 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF C-L, F-H. E-K, E-I

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A-B	0 / 32	-84.3	-84.3	0.11 (1)	10.00	
B-C	0 / 34	-84.3	-84.3	0.52 (1)	10.00	
C-D	-1409 / 0	-84.3	-84.3	0.45 (1)	4.96	
D-E	-1409 / 0	-84.3	-84.3	0.45 (1)	4.96	
E-F	-1388 / 0	-84.3	-84.3	0.44 (1)	5.01	
F-G	0 / 34	-84.3	-84.3	0.50 (1)	10.00	
L-B	-311 / 0	0.0	0.0	0.03 (1)	7.81	
H-G	-186 / 0	0.0	0.0	0.02 (1)	7.81	
L-K	0 / 1275	-28.0	-28.0	0.58 (2)	10.00	
K-J	0 / 889	-28.0	-28.0	0.54 (2)	10.00	
J-I	0 / 889	-28.0	-28.0	0.54 (2)	10.00	
I-H	0 / 1245	-28.0	-28.0	0.56 (2)	10.00	

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C-K	-352 / 44	0.19 (1)
K-E	0 / 632	0.14 (1)
E-I	0 / 569	0.13 (1)
I-F	-316 / 58	0.17 (1)
L-C	-1689 / 0	0.71 (1)
F-H	-1653 / 0	0.67 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.17")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.29")

CSI: TC=0.52/1.00 (8-C:1) , BC=0.58/1.00 (K-L:2) , WB=0.71/1.00 (C-L:1) , SSI=0.21/1.00 (C-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (L) (INPUT = 0.90)
JSI METAL= 0.43 (C) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER 1-76B S. KATSOULAKOS PROVINCE OF ONTARIO

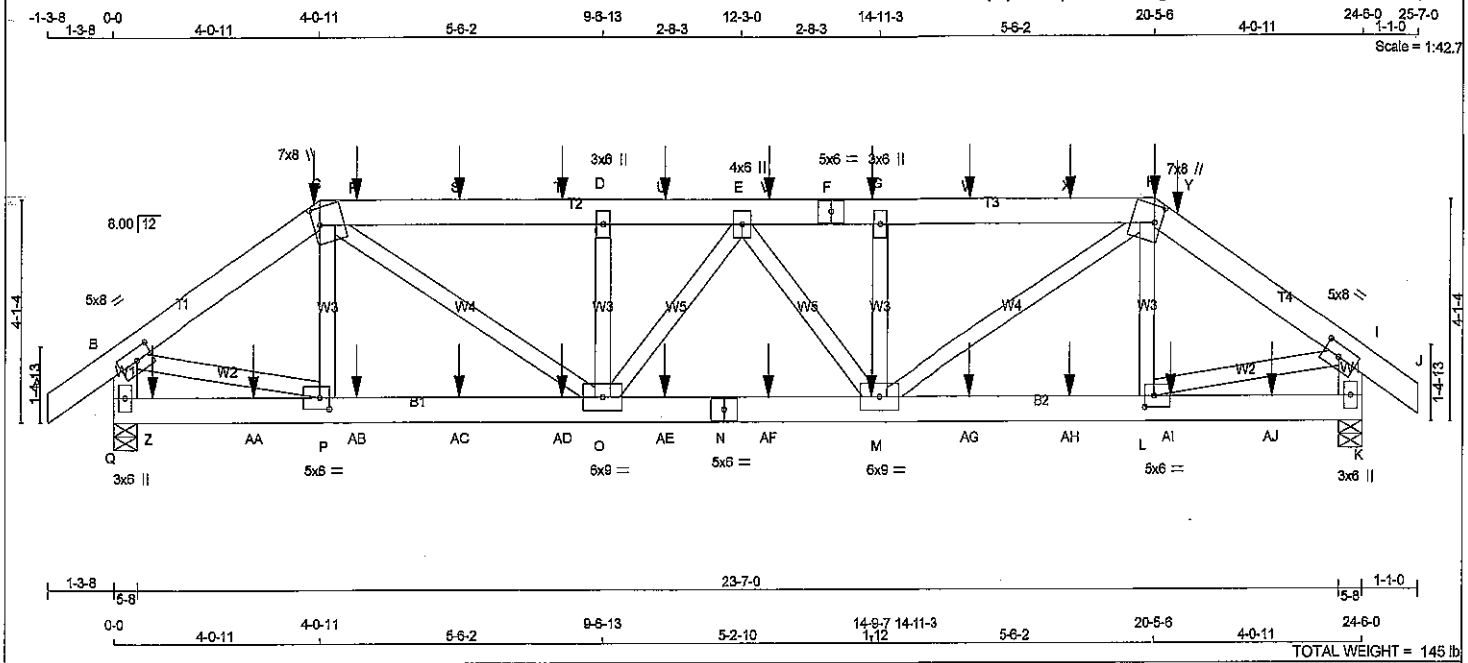
DWG NO. TAM3984-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T2	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:24 2017 Page 1

ID:w3K2IB2K4fGk9tDO7SkJphylfMC-zpRuChBtsC5g3RUzaF3UcPloO0vRcbD0rqyZy?yehYr



TOTAL WEIGHT = 145 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	No.2	SPF
C - F	2x6	DRY	No.2	SPF
F - H	2x6	DRY	No.2	SPF
H - J	2x6	DRY	No.2	SPF
Q - B	2x6	DRY	No.2	SPF
K - I	2x6	DRY	No.2	SPF
Q - N	2x6	DRY	No.2	SPF
N - K	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	8.0	2.50	3.75
C	TTWW+m	MT20	7.0	8.0	3.75	1.50
D	TMW+w	MT20	3.0	6.0		
E	TMWW+t	MT20	4.0	8.0		
F	TS-t	MT20	5.0	6.0		
G	TMW+w	MT20	3.0	6.0		
H	TTWW+m	MT20	7.0	8.0	3.75	1.50
I	TMVW-t	MT20	5.0	8.0	2.50	3.75
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-t	MT20	5.0	6.0	2.50	2.25
M	BMWWW-t	MT20	6.0	9.0		
N	BS-t	MT20	5.0	6.0		
O	BMWWW-t	MT20	6.0	9.0		
P	BMWW-t	MT20	5.0	6.0	2.50	2.25
Q	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 244.5 lbs FACTORED DOWN AT 4-0-11, 244.5 lbs FACTORED DOWN AT 20-5-5, 113.4 lbs FACTORED DOWN AT 4-9-4, 101.4 lbs FACTORED DOWN AT 6-9-4, 101.4 lbs FACTORED DOWN AT 8-9-4, 101.4 lbs FACTORED DOWN AT 10-9-4, 101.4 lbs FACTORED DOWN AT 12-9-4, 101.4 lbs FACTORED DOWN AT 14-9-4, 101.4 lbs FACTORED DOWN AT 16-9-4, AND 101.4 lbs FACTORED DOWN AT 18-9-4, AND 129.8 lbs FACTORED DOWN AT 20-9-4 ON TOP CHORD, AND 75.5 lbs FACTORED DOWN AT 9-4, 69.9 lbs FACTORED DOWN AT 2-9-4, 69.9 lbs FACTORED DOWN AT 4-9-4, 69.9 lbs FACTORED DOWN AT 6-9-4, 69.9 lbs FACTORED DOWN AT 8-9-4, 69.9 lbs FACTORED DOWN AT 10-9-4, 69.9 lbs FACTORED DOWN AT 12-9-4, 69.9 lbs FACTORED DOWN AT 14-9-4, 69.9 lbs FACTORED DOWN AT 16-9-4, 69.9 lbs FACTORED DOWN AT 18-9-4, AND 69.9 lbs FACTORED DOWN AT 20-9-4, AND 69.9 lbs FACTORED DOWN AT 22-9-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
Q	2441	0	2441	0	0	5-8	5-8
K	2455	0	2455	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	1997	1121 / 0	448 / 0	0 / 0	0 / 0	430 / 0	0 / 0
K	1994	1142 / 0	430 / 0	0 / 0	0 / 0	421 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) Q, K

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.96 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

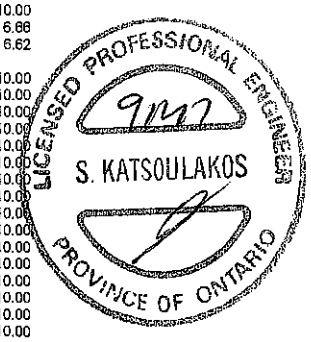
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 33	-84.3	-84.3	0.07 (1)	10.00	
B- C	-2812 / 0	-84.3	-84.3	0.17 (1)	4.82	
C- R	-3689 / 0	-84.3	-84.3	0.40 (1)	3.96	
R- S	-3689 / 0	-84.3	-84.3	0.40 (1)	3.96	
S- T	-3689 / 0	-84.3	-84.3	0.40 (1)	3.96	
T- D	-3689 / 0	-84.3	-84.3	0.40 (1)	3.96	
D- U	-3689 / 0	-84.3	-84.3	0.31 (1)	4.06	
U- E	-3689 / 0	-84.3	-84.3	0.31 (1)	4.06	
E- V	-3903 / 0	-84.3	-84.3	0.29 (1)	4.08	
V- F	-3903 / 0	-84.3	-84.3	0.29 (1)	4.08	
F- G	-3903 / 0	-84.3	-84.3	0.29 (1)	4.08	
G- W	-3903 / 0	-84.3	-84.3	0.39 (1)	3.97	
W- X	-3903 / 0	-84.3	-84.3	0.39 (1)	3.97	
X- H	-3903 / 0	-84.3	-84.3	0.39 (1)	3.97	
H- Y	-2838 / 0	-84.3	-84.3	0.19 (1)	4.77	
Y- I	-2838 / 0	-84.3	-84.3	0.19 (1)	4.77	
I- J	0 / 28	-84.3	-84.3	0.05 (1)	10.00	
O- B	-2358 / 0	0.0	0.0	0.17 (1)	6.66	
K- I	-2391 / 0	0.0	0.0	0.17 (1)	6.62	
Q- Z	0 / 0	-28.0	-28.0	0.14 (3)	10.00	
Z-AA	0 / 0	-28.0	-28.0	0.14 (3)	10.00	
AA- P	0 / 0	-28.0	-28.0	0.14 (3)	10.00	
P-AB	0 / 2325	-28.0	-28.0	0.38 (1)	10.00	
AB-AC	0 / 2325	-28.0	-28.0	0.38 (1)	10.00	
AC-AD	0 / 2325	-28.0	-28.0	0.38 (1)	10.00	
AD- O	0 / 2325	-28.0	-28.0	0.38 (1)	10.00	
O-AE	0 / 3934	-28.0	-28.0	0.60 (1)	10.00	
AE- N	0 / 3934	-28.0	-28.0	0.60 (1)	10.00	
N-AF	0 / 3934	-28.0	-28.0	0.60 (1)	10.00	
AF- M	0 / 3934	-28.0	-28.0	0.60 (1)	10.00	
M-AG	0 / 2370	-28.0	-28.0	0.38 (1)	10.00	
AG-AH	0 / 2370	-28.0	-28.0	0.38 (1)	10.00	
AH- L	0 / 2370	-28.0	-28.0	0.38 (1)	10.00	
L-AI	0 / 0	-28.0	-28.0	0.14 (3)	10.00	
AI-AJ	0 / 0	-28.0	-28.0	0.14 (3)	10.00	
AJ- K	0 / 0	-28.0	-28.0	0.14 (3)	10.00	

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
P- C	-234 / 201	0.04 (1)
C- O	0 / 1872	0.33 (1)
O- D	-720 / 0	0.12 (1)
M- G	-717 / 0	0.12 (1)
M- H	0 / 1835	0.32 (1)
L- H	-247 / 197	0.04 (1)
B- P	0 / 2387	0.42 (1)
L- I	0 / 2434	0.43 (1)
O- E	-77 / 0	0.02 (1)
E- M	-52 / 0	0.01 (1)



DWG NO. TAM46056-17

STRUCTURAL COMPONENT ONLY

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

*** NON STANDARD GIRDER ***
ADDT'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.82")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.13")
ALLOWABLE DEFL.(TL)= L/360 (0.82")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.20")

CSI: TC=0.40 (C-D:1) , BC=0.60 (M-O:1) , WB=0.43 (I-L:1) , SSI=0.29 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1658

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (L) (INPUT = 0.90)
JSI METAL= 0.69 (N) (INPUT = 1.00)

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T2	1	1	TRUSS DESC.	

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	4-0-11	-23	-25	—	FRONT	VERT	DEAD
C	4-0-11	-222	-222	—	FRONT	VERT	SNOW
G	14-9-4	-101	-101	—	BACK	VERT	TOTAL
H	20-5-5	-23	-25	—	FRONT	VERT	DEAD
H	20-5-5	-222	-222	—	FRONT	VERT	SNOW
M	14-9-4	-40	-70	—	BACK	VERT	TOTAL
R	4-9-4	-113	-113	—	BACK	VERT	TOTAL
S	6-9-4	-101	-101	—	BACK	VERT	TOTAL
T	8-9-4	-101	-101	—	BACK	VERT	TOTAL
U	10-9-4	-101	-101	—	BACK	VERT	TOTAL
V	12-9-4	-101	-101	—	BACK	VERT	TOTAL
W	16-9-4	-101	-101	—	BACK	VERT	TOTAL
X	18-9-4	-101	-101	—	BACK	VERT	TOTAL
Y	20-9-4	-130	-130	—	BACK	VERT	TOTAL
Z	9-4	-43	-76	—	BACK	VERT	TOTAL
AA	2-9-4	-40	-70	—	BACK	VERT	TOTAL
AB	4-9-4	-40	-70	—	BACK	VERT	TOTAL
AC	6-9-4	-40	-70	—	BACK	VERT	TOTAL
AD	8-9-4	-40	-70	—	BACK	VERT	TOTAL
AE	10-9-4	-40	-70	—	BACK	VERT	TOTAL
AF	12-9-4	-40	-70	—	BACK	VERT	TOTAL
AG	16-9-4	-40	-70	—	BACK	VERT	TOTAL
AH	18-9-4	-40	-70	—	BACK	VERT	TOTAL
AI	20-9-4	-40	-70	—	BACK	VERT	TOTAL
AJ	22-9-4	-40	-70	—	BACK	VERT	TOTAL

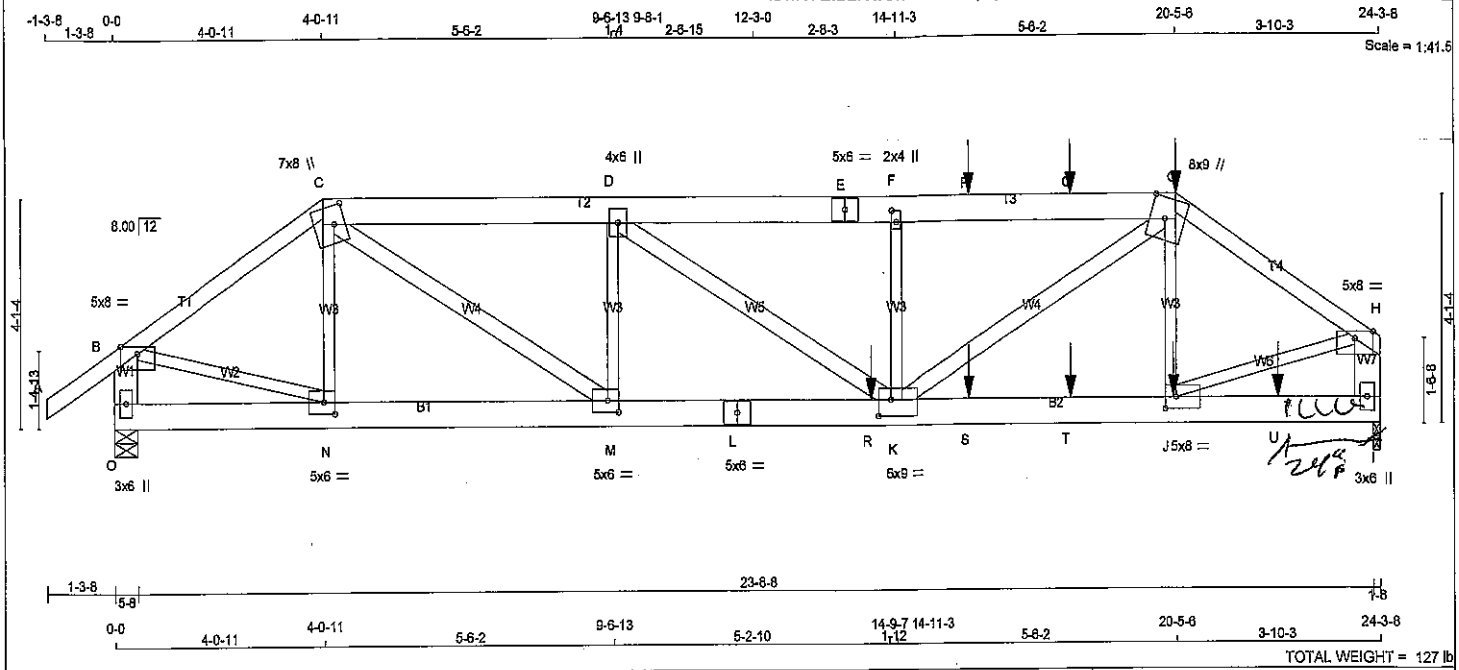
DWG NO. TAM 46056-17
STRUCTURAL
COMPONENT ONLY

PGM

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
286071	T2AZ9	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Jan 6 2018 MiTek Industries, Inc. Thu May 17 13:10:23 2018 Page 1
ID:w3K2lB2K4fGk9tDO7SkJphylfMC-SDM3oT7bAQazfMVRfVxchi2ep065nejnp57Y?4zFbm_



TOTAL WEIGHT = 127 lb

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x6	DRY	No.2	SPF
E - G	2x6	DRY	No.2	SPF
G - H	2x4	DRY	No.2	SPF
O - B	2x6	DRY	No.2	SPF
I - H	2x6	DRY	No.2	SPF
O - L	2x6	DRY	No.2	SPF
L - I	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
C - M	2x4	DRY	No.2	SPF
K - G	2x4	DRY	No.2	SPF
D - K	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	Edge	
C	TTWW+m	MT20	7.0	8.0	4.00	2.50
D	TMWW+t	MT20	4.0	6.0		
E	TS-t	MT20	5.0	6.0		
F	TMW+w	MT20	2.0	4.0	2.50	1.00
G	TTWW+m	MT20	6.0	9.0	4.50	3.50
H	TMVW-p	MT20	5.0	8.0	Edge	
I	BMV1+p	MT20	3.0	6.0		
J	BMWW-t	MT20	5.0	8.0	2.50	2.50
K	BMWWW-t	MT20	6.0	9.0	3.50	2.75
L	BS-t	MT20	5.0	6.0		
M	BMWW-t	MT20	5.0	6.0	2.50	2.50
N	BMWW-t	MT20	5.0	6.0	2.50	2.50
O	BMV1+p	MT20	3.0	6.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

HANGERS NOTES
1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 101.4 lbs FACTORED DOWN AT 16-4-12, AND 101.4 lbs FACTORED DOWN AT 18-4-12, AND 349.5 lbs FACTORED DOWN AT 20-5-6 ON TOP CHORD, AND 1349.4 lbs FACTORED DOWN AT 14-5-8, 69.9 lbs FACTORED DOWN AT 16-4-12, 69.9 lbs FACTORED DOWN AT 18-4-12, AND 69.9 lbs FACTORED DOWN AT 20-4-12, AND 69.9 lbs FACTORED DOWN AT 22-4-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

SCAB JOINT # I E=# WITH 2 X 6 #2 SPF 24" LONG 1 SIDE(S) USING 2 ROW(S) 3 1/4" ARDOX SPIRAL/~~COMMON WIRE~~ NAILS AT 2" O/C STAGGERED (18 NAILS/SCAB). REQUIRED FOR 1 1/2" BRG PROVISION.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
O	2171	0	2171	0	0	5-8	5-8
I	2733	0	2733	0	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1759	1014 / 0	375 / 0	0 / 0	0 / 0	370 / 0	0 / 0
I	2230	1260 / 0	492 / 0	0 / 0	0 / 0	478 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) O, I

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.49 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 32	-84.3	-84.3	0.12 (1)	10.00
B- C	-2438 / 0	-84.3	-84.3	0.39 (1)	4.00
C- D	-4063 / 0	-84.3	-84.3	0.29 (1)	4.02
D- E	-4931 / 0	-84.3	-84.3	0.33 (1)	3.66
E- F	-4931 / 0	-84.3	-84.3	0.33 (1)	3.66
F- P	-4932 / 0	-84.3	-84.3	0.47 (1)	3.49
P- Q	-4932 / 0	-84.3	-84.3	0.47 (1)	3.49
Q- G	-4932 / 0	-84.3	-84.3	0.47 (1)	3.49
G- H	-3164 / 0	-84.3	-84.3	0.42 (1)	3.53
O- B	-2117 / 0	0.0	0.0	0.15 (1)	6.94
I- H	-2563 / 0	0.0	0.0	0.19 (1)	6.34
O- N	0 / 0	-28.0	-28.0	0.07 (3)	10.00
N- M	0 / 2025	-28.0	-28.0	0.35 (1)	10.00
M- L	0 / 4063	-28.0	-28.0	0.82 (1)	10.00
L- R	0 / 4063	-28.0	-28.0	0.62 (1)	10.00
R- K	0 / 4063	-28.0	-28.0	0.82 (1)	10.00
K- S	0 / 2625	-28.0	-28.0	0.51 (1)	10.00
S- T	0 / 2625	-28.0	-28.0	0.51 (1)	10.00
T- J	0 / 2625	-28.0	-28.0	0.51 (1)	10.00
J- U	0 / 0	-28.0	-28.0	0.10 (3)	10.00
U- I	0 / 0	-28.0	-28.0	0.10 (3)	10.00

WEBS

MEMB. FR-TO	FACTORED FORCE (LBS)	MAX CSI (LC)
N- C	-367 / 3	0.09 (1)
C- M	0 / 2449	0.43 (1)
M- D	-1091 / 0	0.26 (1)
K- F	-643 / 0	0.15 (1)
K- G	0 / 2771	0.49 (1)
J- G	-565 / 42	0.14 (1)
B- N	0 / 2093	0.52 (1)
J- H	0 / 2748	0.68 (1)
D- K	0 / 1050	0.19 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
G	20-5-6	-105	-105	—	FRONT	VERT	TOTAL
G	20-5-6	-23	-25	—	FRONT	VERT	DEAD
G	20-5-6	-222	-222	—	FRONT	VERT	SNOW
I	20-4-12	-40	-70	—	FRONT	VERT	TOTAL
[illegible]	16-4-12	-101	-101	—	FRONT	VERT	TOTAL
[illegible]	18-4-12	-101	-101	—	FRONT	VERT	TOTAL
[illegible]	14-5-8	-1349	-1349	—	FRONT	VERT	TOTAL
[illegible]	16-4-12	-40	-70	—	FRONT	VERT	TOTAL
[illegible]	18-4-12	-40	-70	—	FRONT	VERT	TOTAL
J	22-4-12	-40	-70	—	FRONT	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER S. KATSOULAROS PROVINCE OF ONTARIO

DWG NO. TAM 26809-18
STRUCTURAL COMPONENT ONLY

[M]

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

*** NON STANDARD GIRDER ***
ADDT'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.61")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.17")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.28")

CSI: TC=0.47/1.00 (F-G:1) , BC=0.82/1.00 (K-M:1) , WB=0.68/1.00 (H-J:1) , SSI=0.86/1.00 (K-M:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

P6 1/2

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
286071	T2AZ9	1	1	TRUSS DESC.	

JSI GRIP= 0.89 (J) (INPUT = 0.90)
JSI METAL= 0.78 (L) (INPUT = 1.00)

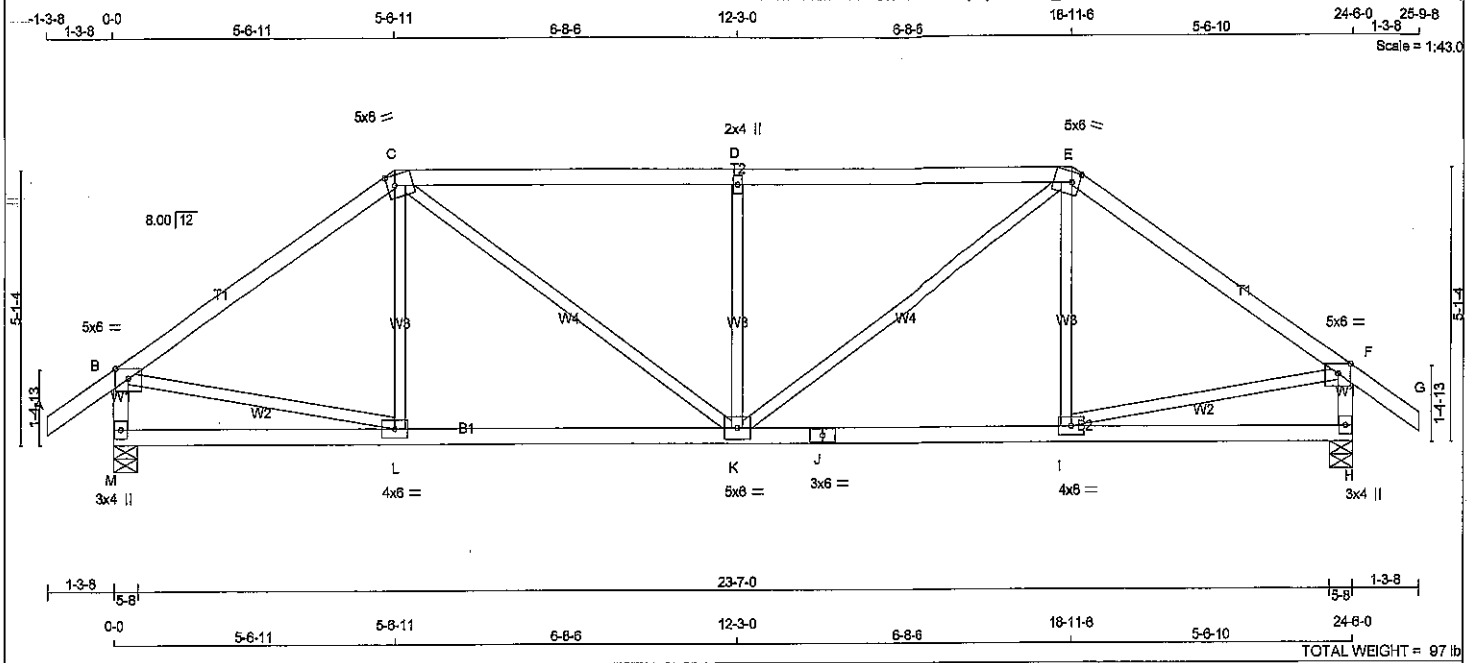
LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM26009-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T3	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:25 2017 Page 1
ID:w3K2IB2K4fGk9tDO7SkJphylfMC-S?_GQ1BWdWDXhb398yaj9dHtvQHpL4i93Th7URyehYq



TOTAL WEIGHT = 97 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
M - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TTWW-m	MT20	5.0	6.0	2.25	1.75
D	TMW+w	MT20	2.0	4.0		
E	TTWW-m	MT20	5.0	6.0	2.25	1.75
F	TMVW-p	MT20	5.0	6.0	Edge	
H	BMV1+p	MT20	3.0	4.0		
I	BMWW-t	MT20	4.0	6.0		
J	BS-t	MT20	3.0	6.0		
K	BMWWW-t	MT20	5.0	6.0		
L	BMWW-t	MT20	4.0	6.0		
M	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
M	1491	0	1491	0	0	5-8	5-8
H	1491	0	1491	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1208	697 / 0	257 / 0	0 / 0	0 / 0	253 / 0	0 / 0
H	1208	697 / 0	257 / 0	0 / 0	0 / 0	253 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) M, H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.85 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 32	-84.3	-84.3	0.11 (1)		10.00
B- C	-1511 / 0	-84.3	-84.3	0.55 (1)		4.67
C- D	-1862 / 0	-84.3	-84.3	0.80 (1)		3.85
D- E	-1862 / 0	-84.3	-84.3	0.80 (1)		3.85
E- F	-1511 / 0	-84.3	-84.3	0.55 (1)		4.67
F- G	0 / 32	-84.3	-84.3	0.11 (1)		10.00
M- B	-1430 / 0	0.0	0.0	0.15 (1)		6.83
H- F	-1430 / 0	0.0	0.0	0.15 (1)		6.83
M- L	0 / 0	-28.0	-28.0	0.25 (3)		10.00
L- K	0 / 1255	-28.0	-26.0	0.40 (2)		10.00
K- J	0 / 1255	-28.0	-26.0	0.40 (2)		10.00
J- I	0 / 1255	-28.0	-26.0	0.40 (2)		10.00
I- H	0 / 0	-28.0	-26.0	0.25 (3)		10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
L- C	-47 / 210	0.05 (3)
C- K	0 / 747	0.17 (1)
K- D	-692 / 0	0.27 (1)
K- E	0 / 747	0.17 (1)
I- E	-47 / 210	0.05 (3)
B- L	0 / 1278	0.29 (1)
I- F	0 / 1278	0.29 (1)

DWG NO. T-AM46058-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.82")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.82")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.14")

CSI: TC=0.80 (C-D:1) , BC=0.40 (K-L:2) , WB=0.29 (B-L:1) , SSI=0.27 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1567	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

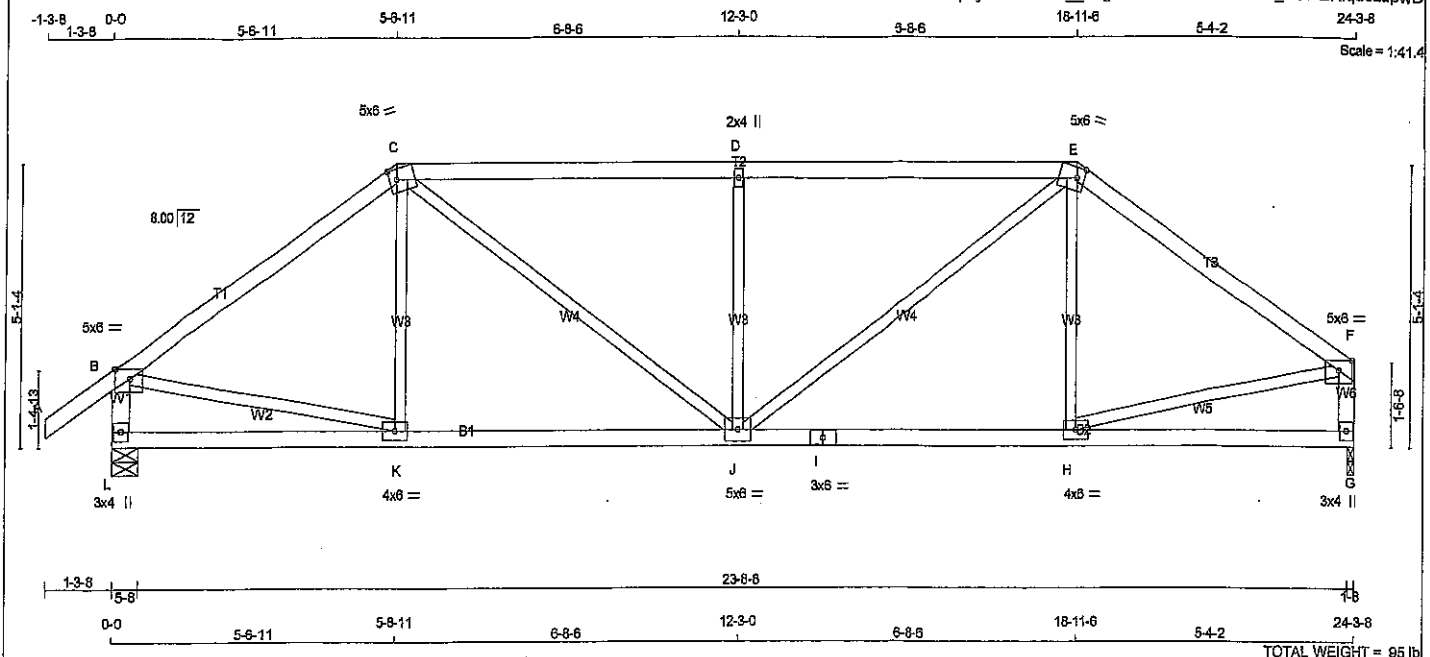
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.84 (L) (INPUT = 0.90)
JSI METAL= 0.37 (J) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
285862	T3A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 16 10:32:00 2018 Page 1
ID:w3K2IB2K4fGk9tDO7SkJphylfMC-2x4wfl__XLgiAhTJEINL4CkbGs0m_3GPEKfqd6zupwD



TOTAL WEIGHT = 95 lb

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - F	2x4	DRY	No.2	SPF
L - B	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
L - I	2x4	DRY	No.2	SPF
I - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TTWW-m	MT20	5.0	6.0	2.25	1.75
D	TMW+w	MT20	2.0	4.0		
E	TTWW-m	MT20	5.0	6.0	2.25	1.75
F	TMVW-p	MT20	5.0	6.0	Edge	
G	BMV1+p	MT20	3.0	4.0		
H	BMWW-t	MT20	4.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMWWW-t	MT20	5.0	6.0		
K	BMWW-t	MT20	4.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
L	1479	0	1479	0	0	5-8	5-8
G	1363	0	1363	0	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1198	692 / 0	255 / 0	0 / 0	0 / 0	251 / 0	0 / 0
G	1119	621 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0

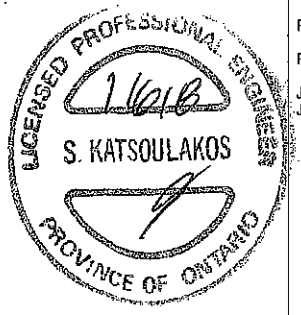
BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) L, G

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.88 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 32	-84.3	-84.3	0.11 (1)	10.00	K- C	-45 / 211	0.05 (3)
B- C	-1495 / 0	-84.3	-84.3	0.55 (1)	4.69	C- J	0 / 728	0.16 (1)
C- D	-1833 / 0	-84.3	-84.3	0.80 (1)	3.88	J- D	-692 / 0	0.27 (1)
D- E	-1833 / 0	-84.3	-84.3	0.80 (1)	3.88	J- E	0 / 769	0.17 (1)
E- F	-1456 / 0	-84.3	-84.3	0.50 (1)	4.81	H- E	-81 / 187	0.04 (3)
L- B	-1418 / 0	0.0	0.0	0.15 (1)	6.85	B- K	0 / 1265	0.28 (1)
G- F	-1305 / 0	0.0	0.0	0.14 (1)	7.05	H- F	0 / 1239	0.28 (1)
L- K	0 / 0	-28.0	-28.0	0.25 (3)	10.00			
K- J	0 / 1241	-28.0	-28.0	0.40 (2)	10.00			
J- I	0 / 1208	-28.0	-28.0	0.39 (2)	10.00			
I- H	0 / 1208	-28.0	-28.0	0.39 (2)	10.00			
H- G	0 / 0	-28.0	-28.0	0.24 (3)	10.00			



DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.14")

CSI: TC=0.80/1.00 (D-E:1) , BC=0.40/1.00 (J-K:2) , WB=0.28/1.00 (B-K:1) , SSI=0.27/1.00 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1867	822	2284	1556

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (E) (INPUT = 0.90)
JSI METAL= 0.36 (I) (INPUT = 1.00)

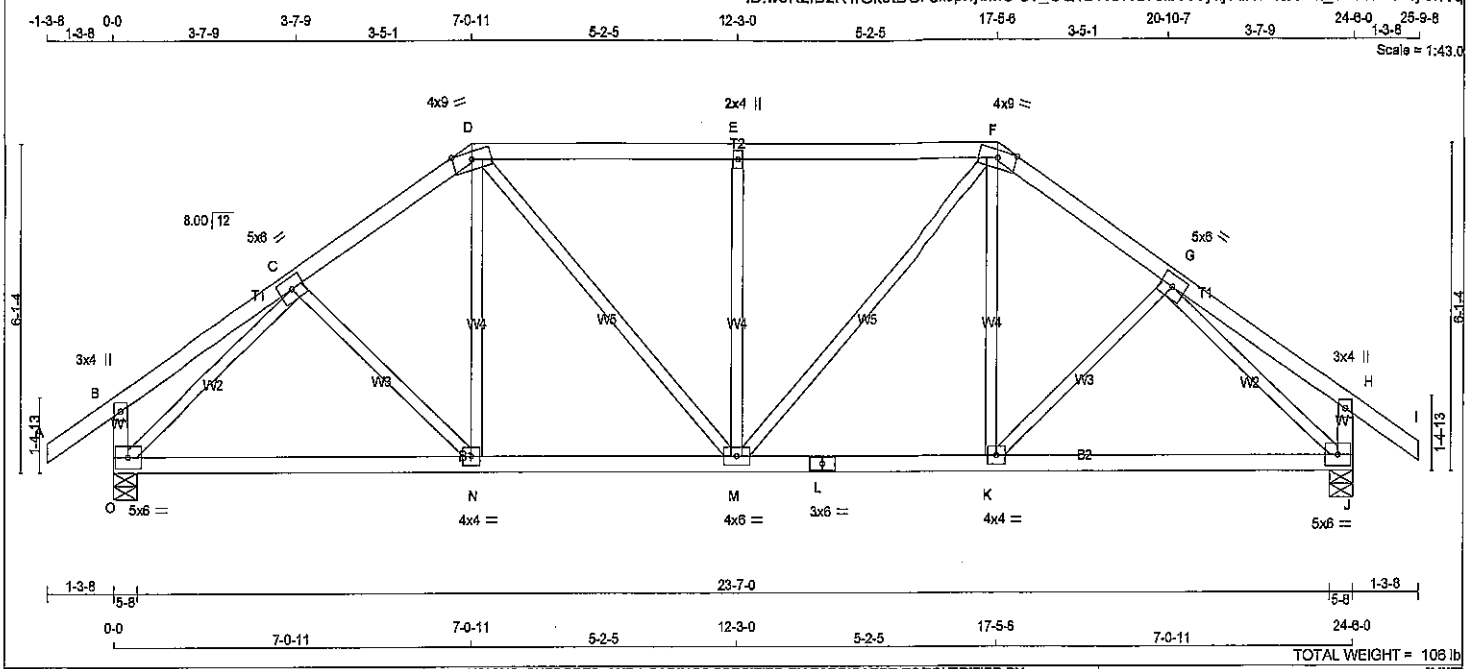
DWG NO. TAM 4008-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T4	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:25 2017 Page 1

ID:w3K2lB2K4fGk9tDO7SkJphylfMC-S?_GQ1BWdWDXhb398yaj9dH?XQGoL_393Th7URyehYq



TOTAL WEIGHT = 106 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
F - I	2x4	DRY	No.2	SPF
O - B	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
O - L	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0		
D	TTWW-m	MT20	4.0	9.0	Edge	
E	TMW+w	MT20	2.0	4.0		
F	TTWW-m	MT20	4.0	9.0	Edge	
G	TMWW-t	MT20	5.0	6.0		
H	TMV+p	MT20	3.0	4.0		
J	BMVW1-t	MT20	5.0	6.0		
K	BMWW-t	MT20	4.0	4.0		
L	BS-t	MT20	3.0	6.0		
M	BMWWW-t	MT20	4.0	6.0		
N	BMWW-t	MT20	4.0	4.0		
O	BMVW1-t	MT20	5.0	6.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
O	1491	0	1491	0	0	5-8	5-8
J	1491	0	1491	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1208	697 / 0	257 / 0	0 / 0	0 / 0	253 / 0	0 / 0
J	1206	697 / 0	257 / 0	0 / 0	0 / 0	253 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) O, J

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.02 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT, OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 32	-84.3	-84.3	0.11 (1)	10.00	
B- C	0 / 17	-84.3	-84.3	0.15 (1)	10.00	
C- D	-1476 / 0	-84.3	-84.3	0.14 (1)	5.27	
D- E	-1498 / 0	-84.3	-84.3	0.32 (1)	5.02	
E- F	-1498 / 0	-84.3	-84.3	0.32 (1)	5.02	
F- G	-1476 / 0	-84.3	-84.3	0.14 (1)	5.27	
G- H	0 / 17	-84.3	-84.3	0.15 (1)	10.00	
H- I	0 / 32	-84.3	-84.3	0.11 (1)	10.00	
O- B	-233 / 0	0.0	0.0	0.02 (1)	7.81	
J- H	-233 / 0	0.0	0.0	0.02 (1)	7.81	
O- N	0 / 1208	-28.0	-28.0	0.45 (2)	10.00	
N- M	0 / 1216	-28.0	-28.0	0.47 (2)	10.00	
M- L	0 / 1216	-28.0	-28.0	0.47 (2)	10.00	
L- K	0 / 1216	-28.0	-28.0	0.47 (2)	10.00	
K- J	0 / 1208	-28.0	-28.0	0.45 (2)	10.00	

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- N	0 / 119	0.03 (3)
N- D	0 / 304	0.07 (2)
D- M	0 / 424	0.10 (1)
M- E	-533 / 0	0.31 (1)
M- F	0 / 424	0.10 (1)
K- F	0 / 304	0.07 (2)
K- G	0 / 119	0.03 (3)
O- C	-1686 / 0	0.65 (1)
G- J	-1686 / 0	0.65 (1)

DWG NO. TAM46062-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.82")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.11")
ALLOWABLE DEFL.(TL)= L/360 (0.82")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.19")

CSI: TC=0.32 (D-E:1) , BC=0.47 (M-N:2) , WB=0.65 (C-O:1) , SSI=0.21 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

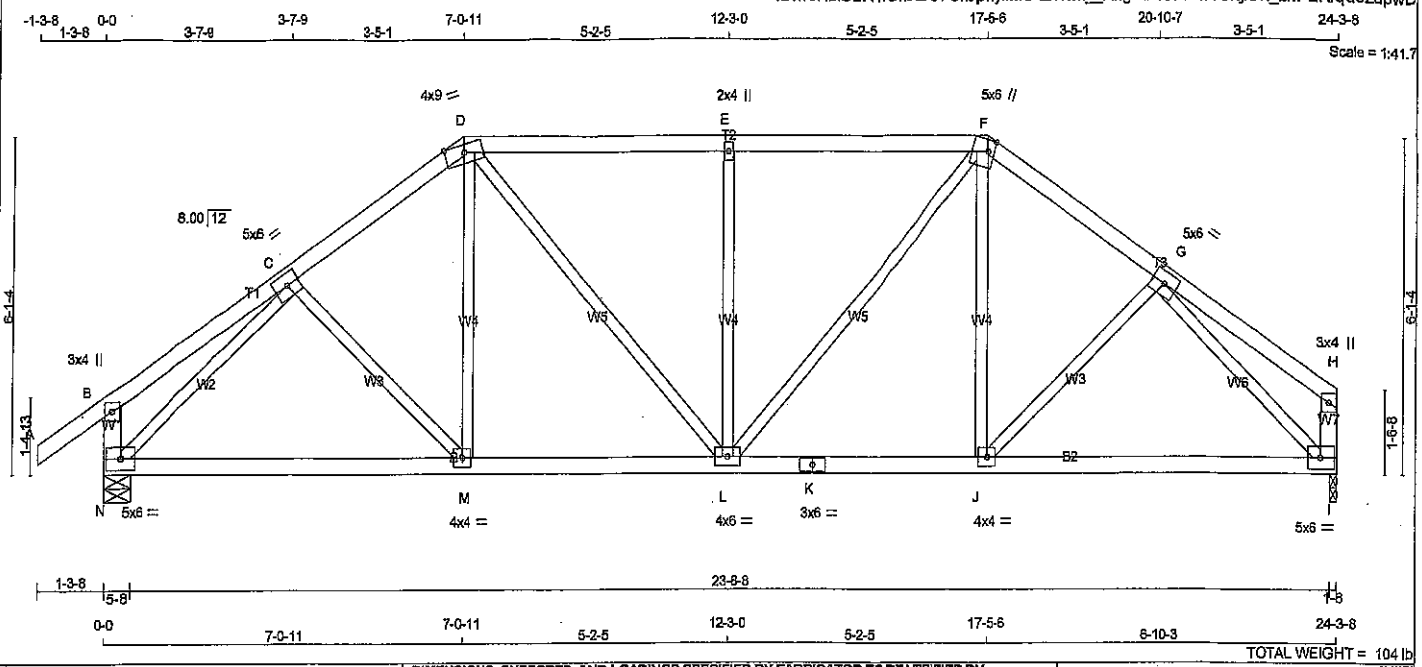
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (F) (INPUT = 0.90)
JSI METAL= 0.41 (C) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
285862	T4A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 16 10:32:00 2018 Page 1
ID:w3K2lB2K4fGk9tDO7SkJphylfMC-2x4wfl__XLgiAhTJEINL4CKjrs?l_zhPEKfqd6zupwD



TOTAL WEIGHT = 104 lb

[M](F)

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
F - H	2x4	DRY	No.2	SPF
N - B	2x4	DRY	No.2	SPF
I - H	2x4	DRY	No.2	SPF
N - K	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0		
D	TTWW-m	MT20	4.0	9.0	Edge	
E	TMW+w	MT20	2.0	4.0		
F	TTWW+m	MT20	5.0	6.0	2.50	1.50
G	TMWW-t	MT20	5.0	6.0		
H	TMV+p	MT20	3.0	4.0		
I	BMWW1-t	MT20	5.0	6.0		
J	BMWW-t	MT20	4.0	4.0		
K	BS-t	MT20	3.0	6.0		
L	BMWWW-t	MT20	4.0	6.0		
M	BMWW-t	MT20	4.0	4.0		
N	BMWW1-t	MT20	5.0	6.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
N	1479	0	1479	0	0	5-8	5-8
I	1363	0	1363	0	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	1198	692 / 0	255 / 0	0 / 0	0 / 0	251 / 0	0 / 0
I	1119	821 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) N, I

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.05 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

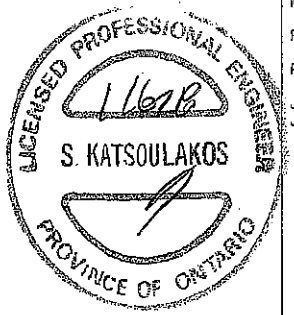
LOADING
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI	MAX. UNBRAC LENGTH
A-B	0 / 32	-84.3	-84.3	0.11 (1)	10.00	
B-C	0 / 17	-84.3	-84.3	0.15 (1)	10.00	
C-D	-1459 / 0	-84.3	-84.3	0.14 (1)	5.29	
D-E	-1474 / 0	-84.3	-84.3	0.31 (1)	5.05	
E-F	-1474 / 0	-84.3	-84.3	0.31 (1)	5.05	
F-G	-1433 / 0	-84.3	-84.3	0.14 (1)	5.33	
G-H	0 / 17	-84.3	-84.3	0.14 (1)	10.00	
N-B	-233 / 0	0.0	0.0	0.02 (1)	7.81	
I-H	-106 / 0	0.0	0.0	0.01 (1)	7.81	
N-M	0 / 1196	-28.0	-28.0	0.45 (2)	10.00	
M-L	0 / 1201	-28.0	-28.0	0.46 (2)	10.00	
L-K	0 / 1179	-28.0	-28.0	0.45 (2)	10.00	
K-J	0 / 1179	-28.0	-28.0	0.45 (2)	10.00	
J-I	0 / 1136	-28.0	-28.0	0.43 (2)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C-M	0 / 117	0.03 (3)
M-D	0 / 305	0.07 (2)
D-L	0 / 409	0.09 (1)
L-E	-534 / 0	0.31 (1)
L-F	0 / 442	0.10 (1)
J-F	0 / 273	0.06 (2)
J-G	0 / 138	0.03 (3)
N-C	-1669 / 0	0.64 (1)
G-I	-1635 / 0	0.59 (1)



DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.11")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.18")

CSI: TC=0.31/1.00 (D-E:1) , BC=0.46/1.00 (L-M:2) , WB=0.64/1.00 (C-N:1) , SSI=0.21/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

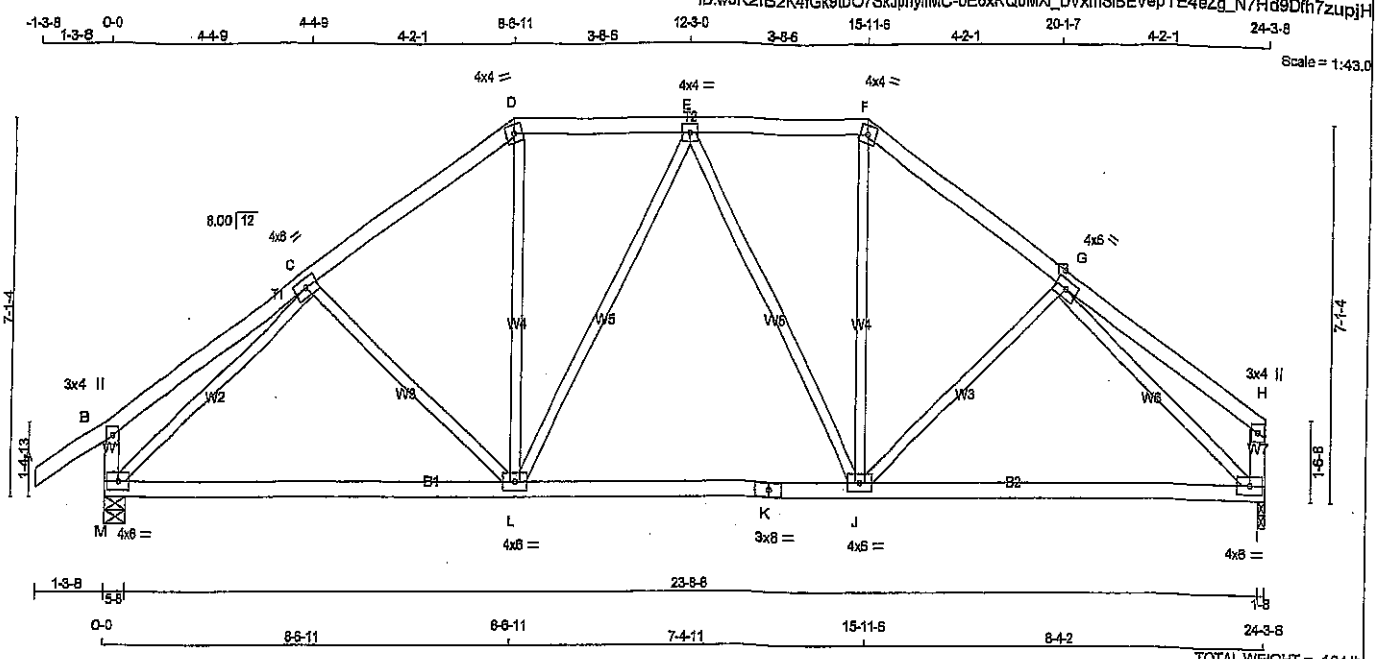
JSI GRIP= 0.84 (D) (INPUT = 0.90)
JSI METAL= 0.41 (C) (INPUT = 1.00)

DWG NO. TAM 4009-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
285994	T5A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 16 10:45:48 2018 Page 1
ID:w3K2IB2K4fGk9tDO7SkJphyifMC-oE6xRQ0MXI_DVxmSIBEVep1E4eZg_N7Hd9Dfh7zupjH



TOTAL WEIGHT = 104 lb

[M][F]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESGR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
F - H	2x4	DRY	No.2	SPF
M - B	2x4	DRY	No.2	SPF
I - H	2x4	DRY	No.2	SPF
M - K	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	6.0		
D	TTW-m	MT20	4.0	4.0		
E	TMWW-t	MT20	4.0	4.0		
F	TTW-m	MT20	4.0	4.0		
G	TMWW-t	MT20	4.0	6.0		
H	TMV+p	MT20	3.0	4.0		
I	BMVW1-t	MT20	4.0	6.0		
J	BMWWW-t	MT20	4.0	8.0		
K	BS-t	MT20	3.0	6.0		
L	BMWWW-t	MT20	4.0	6.0		
M	BMVW1-t	MT20	4.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
M	1479	0	1479	0	0	5-8	5-8
I	1363	0	1363	0	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1198	692 / 0	255 / 0	0 / 0	0 / 0	251 / 0	0 / 0
I	1119	821 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) M, I

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.32 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 32	-84.3	-84.3	0.11 (1)		10.00
B- C	0 / 22	-84.3	-84.3	0.24 (1)		10.00
C- D	-1368 / 0	-84.3	-84.3	0.21 (1)		5.32
D- E	-1142 / 0	-84.3	-84.3	0.15 (1)		5.79
E- F	-1128 / 0	-84.3	-84.3	0.15 (1)		5.82
F- G	-1371 / 0	-84.3	-84.3	0.20 (1)		5.35
G- H	0 / 22	-84.3	-84.3	0.23 (1)		10.00
M- B	-255 / 0	0.0	0.0	0.03 (1)		7.81
I- H	-131 / 0	0.0	0.0	0.01 (1)		7.81
M- L	0 / 1222	-28.0	-28.0	0.57 (2)		10.00
L- K	0 / 1233	-28.0	-28.0	0.59 (2)		10.00
K- J	0 / 1233	-28.0	-28.0	0.58 (2)		10.00
J- I	0 / 1173	-28.0	-28.0	0.54 (2)		10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- L	-117 / 85	0.07 (1)
L- D	0 / 495	0.11 (1)
L- E	-195 / 0	0.24 (1)
E- J	-225 / 0	0.27 (1)
J- F	0 / 484	0.11 (1)
J- G	-70 / 102	0.04 (1)
M- C	-1660 / 0	0.93 (1)
G- I	-1632 / 0	0.86 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.23")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 761 (0.36")

CSI: TC=0.24/1.00 (B-C:1) , BC=0.58/1.00 (J-L:2) , WB=0.93/1.00 (C-M:1) , SSI=0.19/1.00 (L-M:3)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	616	354	1667	822	2284	1656

PLATE PLACEMENT TOL = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (M) (INPUT = 0.90)
JSI METAL= 0.40 (C) (INPUT = 1.00)

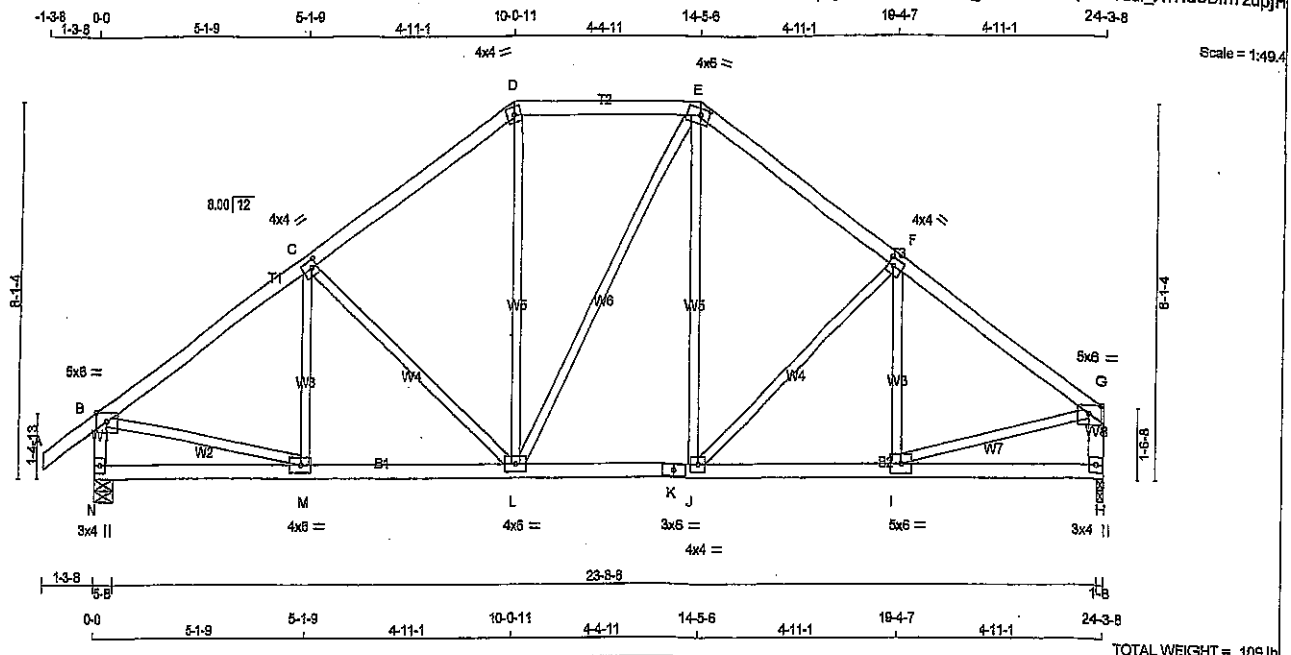
LICENSED PROFESSIONAL ENGINEER
1678
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 3985-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43994	DRWG NO.
285994	T6A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 6.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 16 10:45:48 2018 Page 1
ID:w3K2IB2K4fGk9tDO7SkJphylfMC-oE6xRQ0MXI_DVxmSIBEVep1D?edf_X1Hd9Dfh7zupjH



TOTAL WEIGHT = 109 lb [M][F]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
N - B	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
N - K	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTW-m	MT20	4.0	4.0		
E	TTWW-m	MT20	4.0	6.0	1.75	2.50
F	TMWW-t	MT20	4.0	4.0	2.00	1.50
G	TMVW-p	MT20	5.0	8.0	Edge	
H	BMV1+p	MT20	3.0	4.0		
I	BMWW-t	MT20	5.0	6.0		
J	BMWW-t	MT20	4.0	4.0		
K	BS-t	MT20	3.0	6.0		
L	BMWWW-t	MT20	4.0	6.0		
M	BMWW-t	MT20	4.0	6.0		
N	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
N	1479	0	1479	0	0	5-8	5-8
H	1363	0	1363	0	0	1-8	1-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	1198	692 / 0	255 / 0	0 / 0	0 / 0	251 / 0	0 / 0
H	1119	621 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) N, H

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.00 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS						WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)		MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM	TO			FR-TO		
A-B	0 / 32	-84.3	-84.3	0.11 (1)	10.00	M-C	-115 / 147	0.04 (1)
B-C	-1531 / 0	-84.3	-84.3	0.31 (1)	5.00	C-L	-354 / 0	0.30 (1)
C-D	-1271 / 0	-84.3	-84.3	0.29 (1)	5.39	L-D	0 / 374	0.08 (2)
D-E	-1037 / 0	-84.3	-84.3	0.22 (1)	5.91	L-E	0 / 15	0.00 (1)
E-F	-1262 / 0	-84.3	-84.3	0.28 (1)	5.42	J-E	0 / 360	0.08 (2)
F-G	-1483 / 0	-84.3	-84.3	0.29 (1)	5.08	J-F	-310 / 0	0.26 (1)
N-B	-1420 / 0	0.0	0.0	0.15 (1)	6.84	I-F	-156 / 122	0.05 (1)
H-G	-1307 / 0	0.0	0.0	0.14 (1)	7.06	B-M	0 / 1325	0.30 (1)
						I-G	0 / 1294	0.29 (1)
N-M	0 / 0	-28.0	-28.0	0.18 (3)	10.00			
M-L	0 / 1296	-28.0	-28.0	0.32 (2)	10.00			
L-K	0 / 1030	-28.0	-28.0	0.23 (2)	10.00			
K-J	0 / 1030	-28.0	-28.0	0.23 (2)	10.00			
J-I	0 / 1257	-28.0	-28.0	0.31 (2)	10.00			
I-H	0 / 0	-28.0	-28.0	0.17 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.06")

CSI: TC=0.31/1.00 (B-C:1) , BC=0.32/1.00 (L-M:2) , WB=0.30/1.00 (C-L:1) , SSI=0.17/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY) (PSI)		SHEAR (PLI)		SECTION (PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (M) (INPUT = 0.90)
JSI METAL= 0.32 (M) (INPUT = 1.00)

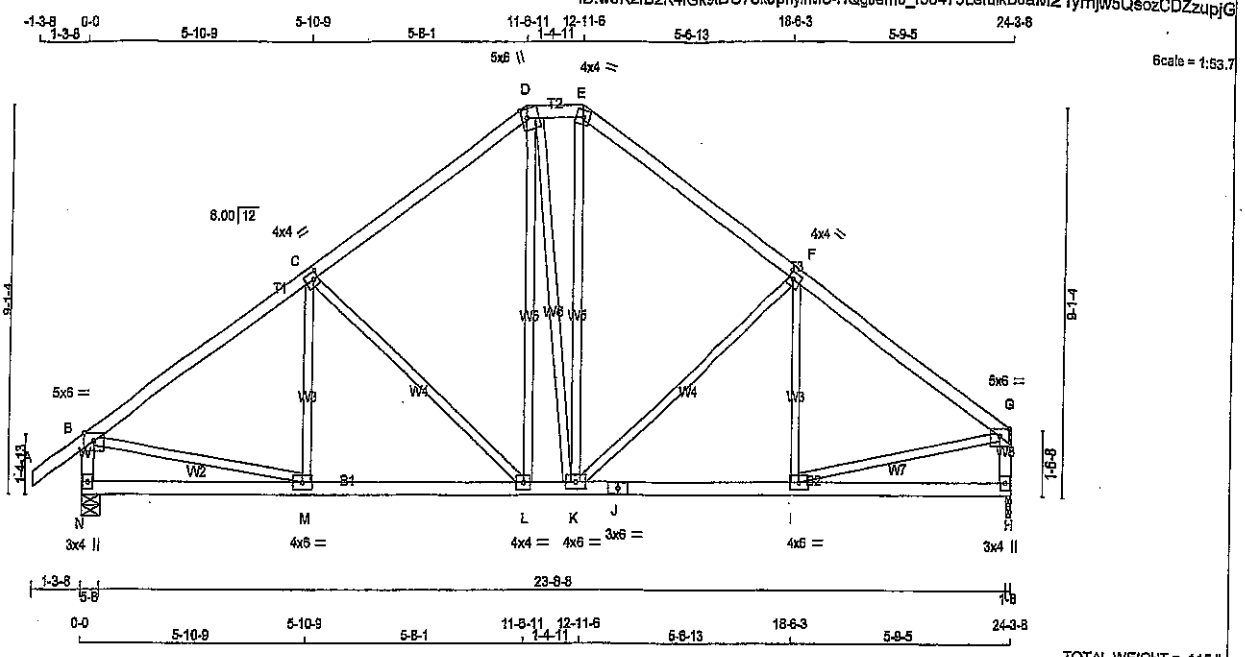
LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM3986-15
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
285994	T7A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 16 10:45:49 2018 Page 1
ID:w3K2IB2K4fGk9tDO7SkJphyffMC-HQgJem0_I36475LefuikB0aM21ymjw5QsozCDZzupjG



TOTAL WEIGHT = 115 lb [M][F]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESGR.
A - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
N - B	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
N - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTWW+m	MT20	5.0	6.0	2.50	1.50
E	TTW-m	MT20	4.0	4.0		
F	TMWW-t	MT20	4.0	4.0	2.00	1.50
G	TMVW-p	MT20	5.0	6.0	Edge	
H	BMV1+p	MT20	3.0	4.0		
I	BMWW-t	MT20	4.0	6.0		
J	BS-t	MT20	3.0	6.0		
K	BMWWW-t	MT20	4.0	6.0		
L	BMWW-t	MT20	4.0	4.0		
M	BMWW-t	MT20	4.0	6.0		
N	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
N	1479	0	1479	0	0	5-8	5-8
H	1363	0	1363	0	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	1198	692 / 0	255 / 0	0 / 0	0 / 0	251 / 0	0 / 0
H	1119	621 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) N, H

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.68 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A-B	0 / 32	-84.3	-84.3	1	0.11 (1)	10.00
B-C	-1533 / 0	-84.3	-84.3	1	0.42 (1)	4.86
C-D	-1183 / 0	-84.3	-84.3	1	0.36 (1)	5.44
D-E	-945 / 0	-84.3	-84.3	1	0.03 (1)	6.25
E-F	-1164 / 0	-84.3	-84.3	1	0.37 (1)	5.46
F-G	-1491 / 0	-84.3	-84.3	1	0.39 (1)	4.94
N-B	-1413 / 0	0.0	0.0	1	0.15 (1)	6.86
H-G	-1299 / 0	0.0	0.0	1	0.14 (1)	7.08
N-M	0 / 0	-28.0	-28.0	1	0.25 (3)	10.00
M-L	0 / 1302	-28.0	-28.0	1	0.40 (2)	10.00
L-K	0 / 943	-28.0	-28.0	1	0.26 (2)	10.00
K-J	0 / 1268	-28.0	-28.0	1	0.37 (2)	10.00
J-I	0 / 1288	-28.0	-28.0	1	0.37 (2)	10.00
I-H	0 / 0	-28.0	-28.0	1	0.23 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
M-C	-50 / 214	0.05 (3)
C-L	-481 / 0	0.57 (1)
L-D	0 / 377	0.08 (1)
D-K	0 / 17	0.00 (2)
K-E	0 / 390	0.09 (1)
K-F	-433 / 0	0.51 (1)
I-F	-94 / 185	0.04 (3)
B-M	0 / 1324	0.30 (1)
I-G	0 / 1296	0.29 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.61")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.11")

CSI: TC=0.42/1.00 (B-C:1) , BC=0.40/1.00 (L-M:2) , WB=0.57/1.00 (C-L:1) , SSI=0.20/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BENO=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1687	622	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

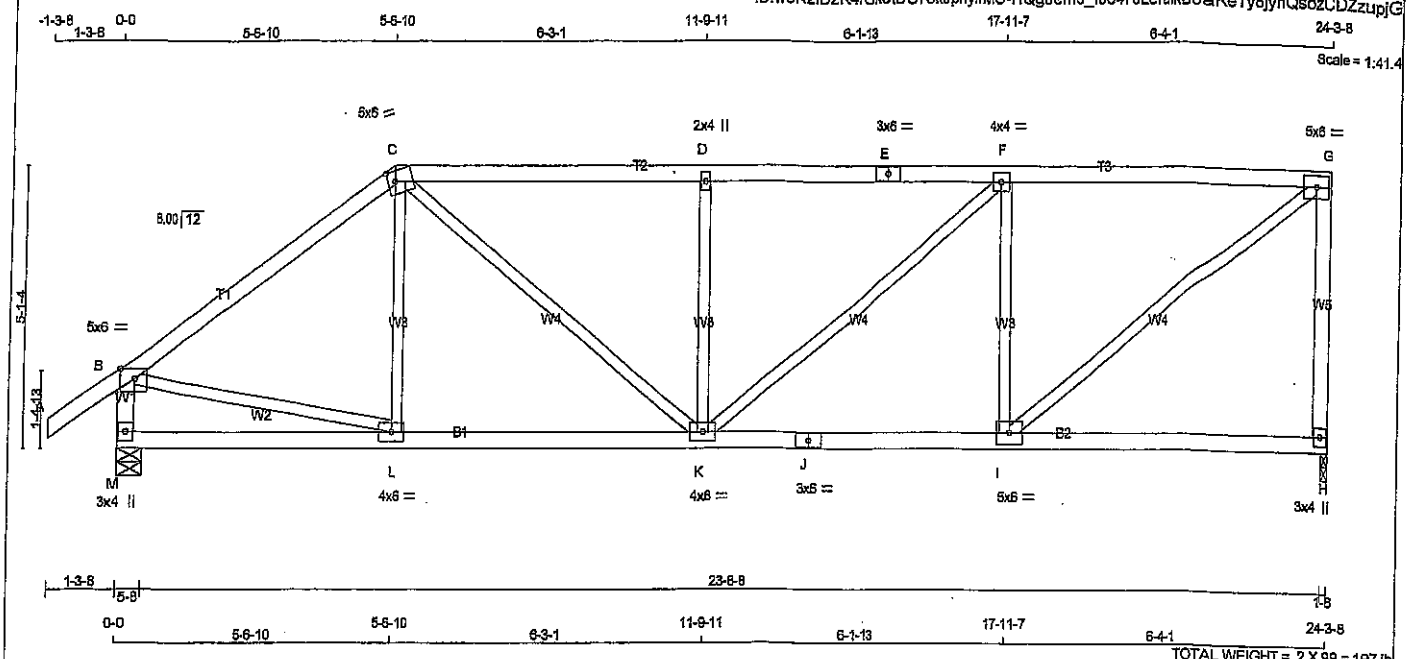
JSI GRIP= 0.89 (I) (INPUT = 0.90)
JSI METAL= 0.33 (M) (INPUT = 1.00)

DWG NO. TAM 3987-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
285994	T9	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 16 10:45:49 2018 Page 1
ID:w3K2lB2K4fGk9tDO7SkJphyfMC-HQgJem0_l36475LelulkB0aKe1y8jyhQsozCDZzupjG



TOTAL WEIGHT = 2 X 99 = 197 lb [M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
M - B	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW-p	MT20	5.0	6.0	Edge	
C	TTWW-m	MT20	5.0	6.0	2.25	1.75
D	TMW+w	MT20	2.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMWW-t	MT20	4.0	4.0		
G	TMWW-t	MT20	5.0	6.0		
H	BMV1+p	MT20	3.0	4.0		
I	BMWW-t	MT20	5.0	6.0		
J	BS-t	MT20	3.0	6.0		
K	BMWWW-t	MT20	4.0	6.0		
L	BMWW-t	MT20	4.0	6.0		
M	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
H	1363	0	1383	0	0	1-8	1-8
M	1479	0	1479	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1119	621 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0
M	1198	692 / 0	255 / 0	0 / 0	0 / 0	251 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, M

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.34 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 32	-84.3	-84.3	0.11 (1)	10.00	L- C	-49 / 204	0.05 (3)
B- C	-1493 / 0	-84.3	-84.3	0.55 (1)	4.89	B- L	0 / 1283	0.28 (1)
C- D	-1797 / 0	-84.3	-84.3	0.55 (1)	4.37	I- G	0 / 1778	0.40 (1)
D- E	-1797 / 0	-84.3	-84.3	0.56 (1)	4.34	C- K	0 / 702	0.16 (1)
E- F	-1797 / 0	-84.3	-84.3	0.56 (1)	4.34	I- F	-677 / 0	0.34 (1)
F- G	-1416 / 0	-84.3	-84.3	0.53 (1)	4.81	K- D	-566 / 0	0.22 (1)
H- G	-1292 / 0	0.0	0.0	0.57 (1)	7.10	K- F	0 / 464	0.11 (1)
M- B	-1417 / 0	0.0	0.0	0.15 (1)	6.85			
M- L	0 / 0	-28.0	-28.0	0.24 (3)	10.00			
L- K	0 / 1240	-28.0	-28.0	0.39 (2)	10.00			
K- J	0 / 1416	-28.0	-28.0	0.44 (2)	10.00			
J- I	0 / 1416	-28.0	-28.0	0.44 (2)	10.00			
I- H	0 / 0	-28.0	-28.0	0.27 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.14")

CSI: TC=0.57/1.00 (G-H:1) , BC=0.44/1.00 (I-K:2) , WB=0.40/1.00 (G-I:1) , SSI=0.25/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

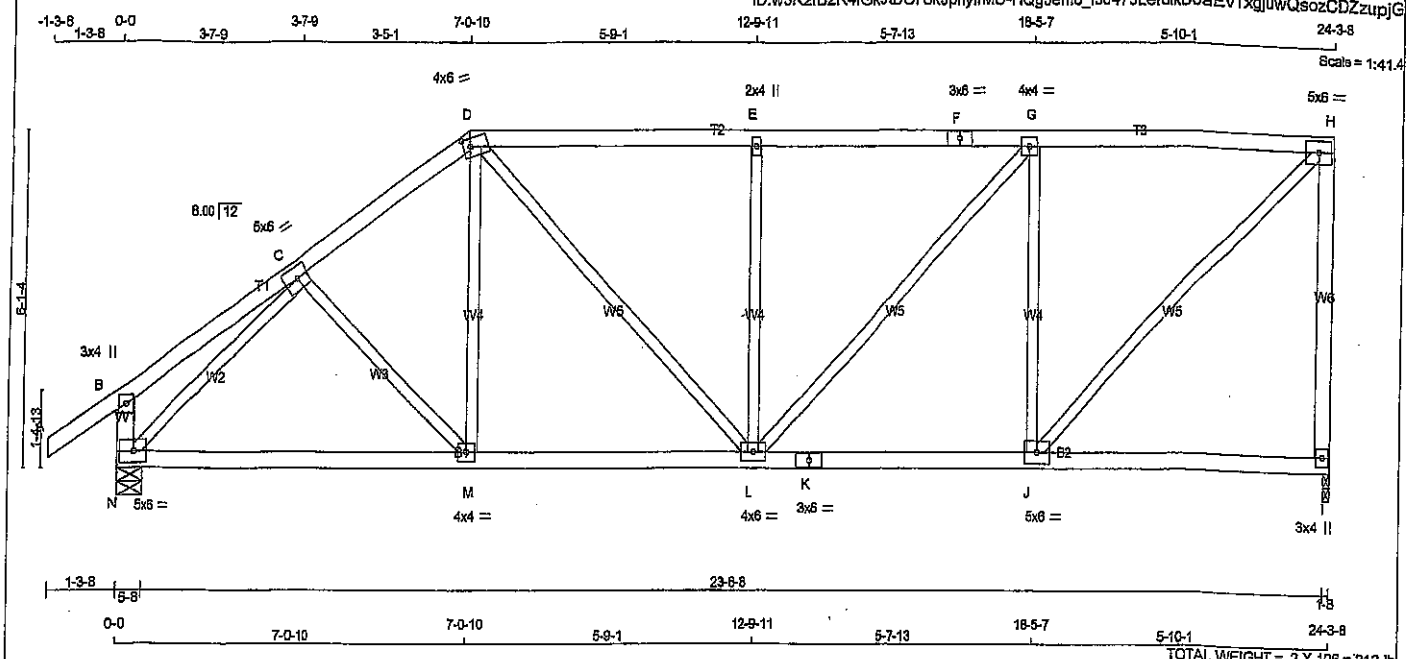
JSI GRIP= 0.88 (K) (INPUT = 0.90)
JSI METAL= 0.44 (J) (INPUT = 1.00)

DWG NO. TAM 3988-15
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
285994	T10	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 16 10:45:49 2018 Page 1
ID:w3K2lB2K4fGk9tDO7SkJphylfMC-HQgJem0_I36475LefulkB0aEv1xqjuwQsozCDZzupjG



TOTAL WEIGHT = 2 X 106 = 213 lb

[M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
F - H	2x4	DRY	No.2	SPF
I - H	2x4	DRY	No.2	SPF
N - B	2x4	DRY	No.2	SPF
N - K	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0		
D	TTWW-m	MT20	4.0	6.0	1.75	1.75
E	TMW+w	MT20	2.0	4.0		
F	TS-t	MT20	3.0	6.0		
G	TMWW-t	MT20	4.0	4.0		
H	TMVW-t	MT20	5.0	6.0		
I	BMV1+p	MT20	3.0	4.0		
J	BMWW-t	MT20	5.0	6.0		
K	BS-t	MT20	3.0	6.0		
L	BMWWW-t	MT20	4.0	6.0		
M	BMWW-t	MT20	4.0	4.0		
N	BMVW1-t	MT20	5.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
I	1383	0	1353	0	0	1-8	1-8
N	1479	0	1479	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
I	1119	521 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0
N	1198	692 / 0	255 / 0	0 / 0	0 / 0	251 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) I, N

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.66 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 32	-84.3	-84.3	0.11 (1)	10.00
B- C	0 / 17	-84.3	-84.3	0.15 (1)	10.00
C- D	-1460 / 0	-84.3	-84.3	0.18 (1)	5.22
D- E	-1473 / 0	-84.3	-84.3	0.43 (1)	4.88
E- F	-1473 / 0	-84.3	-84.3	0.44 (1)	4.86
F- G	-1473 / 0	-84.3	-84.3	0.44 (1)	4.88
G- H	-1103 / 0	-84.3	-84.3	0.42 (1)	5.46
I- H	-1298 / 0	0.0	0.0	0.94 (1)	7.08
N- B	-233 / 0	0.0	0.0	0.02 (1)	7.81
N- M	0 / 1198	-28.0	-28.0	0.45 (2)	10.00
M- L	0 / 1202	-28.0	-28.0	0.47 (2)	10.00
L- K	0 / 1103	-28.0	-28.0	0.37 (2)	10.00
K- J	0 / 1103	-28.0	-28.0	0.37 (2)	10.00
J- I	0 / 0	-28.0	-28.0	0.24 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- M	0 / 118	0.03 (3)
M- D	0 / 307	0.07 (2)
N- C	-1669 / 0	0.64 (1)
J- H	0 / 1557	0.35 (1)
D- L	0 / 385	0.09 (1)
J- G	-912 / 0	0.53 (1)
L- E	-520 / 0	0.30 (1)
L- G	0 / 530	0.12 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.8	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.11")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.19")

CSI: TC=0.94/1.00 (H-I:1) , BC=0.47/1.00 (L-M:2) , WB=0.64/1.00 (C-N:1) , SSI=0.23/1.00 (G-H:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1657	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

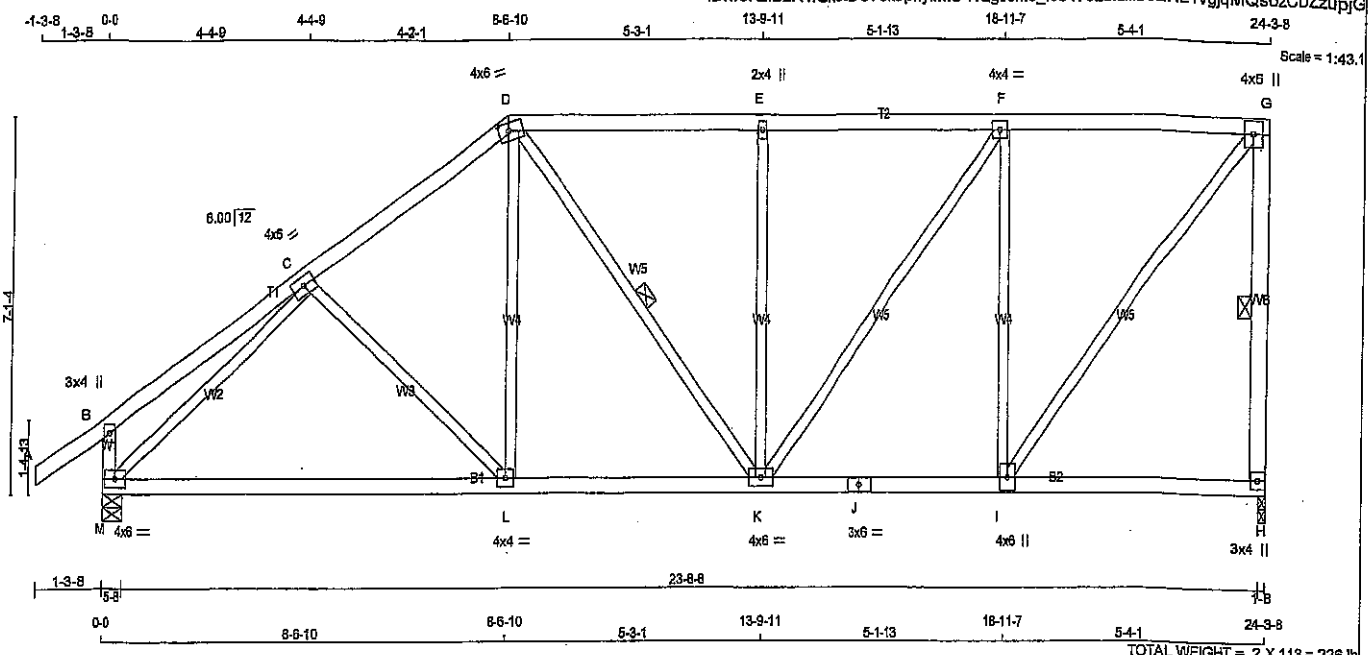
JSI GRIP= 0.80 (D) (INPUT = 0.90)
JSI METAL= 0.41 (C) (INPUT = 1.00)

DWG NO. TAM 3989 -18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
285994	T11	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 16 10:45:49 2018 Page 1
ID:w3K2lB2K4fGk9tDO7SkJphylfMC-HQgJem0_I36475LefulkB0aN21vgjqMQsozCDZzupjG



TOTAL WEIGHT = 2 X 113 = 226 lb [M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
M - B	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	6.0		
D	TTWW-m	MT20	4.0	6.0	1.75	2.50
E	TMW+w	MT20	2.0	4.0		
F	TMWW-t	MT20	4.0	4.0		
G	TMVW+p	MT20	4.0	6.0		
H	BMV1+p	MT20	3.0	4.0		
I	BMWW+t	MT20	4.0	6.0		
J	BS-t	MT20	3.0	8.0		
K	BMWWW-t	MT20	4.0	6.0		
L	BMWW-t	MT20	4.0	4.0		
M	BMVW1-t	MT20	4.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
H	1363	0	1363	0	0	1-8	1-8
M	1479	0	1479	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1119	621 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0
M	1198	692 / 0	255 / 0	0 / 0	0 / 0	251 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, M

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.20 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

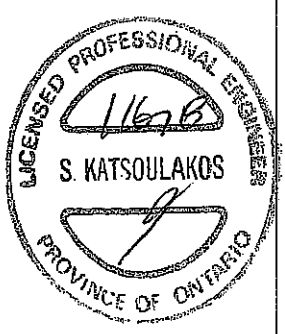
1 LATERAL BRACE(S) AT 1/2 LENGTH OF G-H, D-K.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A-B	0 / 32	-84.3	-84.3	0.11 (1)	10.00
B-C	0 / 23	-84.3	-84.3	0.24 (1)	10.00
C-D	-1390 / 0	-84.3	-84.3	0.26 (1)	5.20
D-E	-1226 / 0	-84.3	-84.3	0.34 (1)	5.37
E-F	-1227 / 0	-84.3	-84.3	0.35 (1)	5.35
F-G	-879 / 0	-84.3	-84.3	0.34 (1)	6.07
H-G	-1305 / 0	0.0	0.0	0.30 (1)	5.66
M-B	-255 / 0	0.0	0.0	0.03 (1)	7.81
M-L	0 / 1223	-28.0	-28.0	0.59 (2)	10.00
L-K	0 / 1141	-28.0	-28.0	0.59 (2)	10.00
K-J	0 / 879	-28.0	-28.0	0.31 (2)	10.00
J-I	0 / 879	-28.0	-28.0	0.31 (2)	10.00
I-H	0 / 0	-28.0	-28.0	0.21 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C-L	-117 / 85	0.07 (1)
L-D	0 / 414	0.09 (2)
M-C	-1661 / 0	0.93 (1)
I-G	0 / 1428	0.32 (1)
D-K	-8 / 141	0.03 (1)
I-F	-946 / 0	0.83 (1)
K-E	-474 / 0	0.41 (1)
K-F	0 / 576	0.13 (1)



DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.23")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 779 (0.37")

CSI: TC=0.35/1.00 (5-F:1) , BC=0.59/1.00 (K-L:2) , WB=0.93/1.00 (C-M:1) , SSI=0.21/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	616	354	1667	822	2264	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

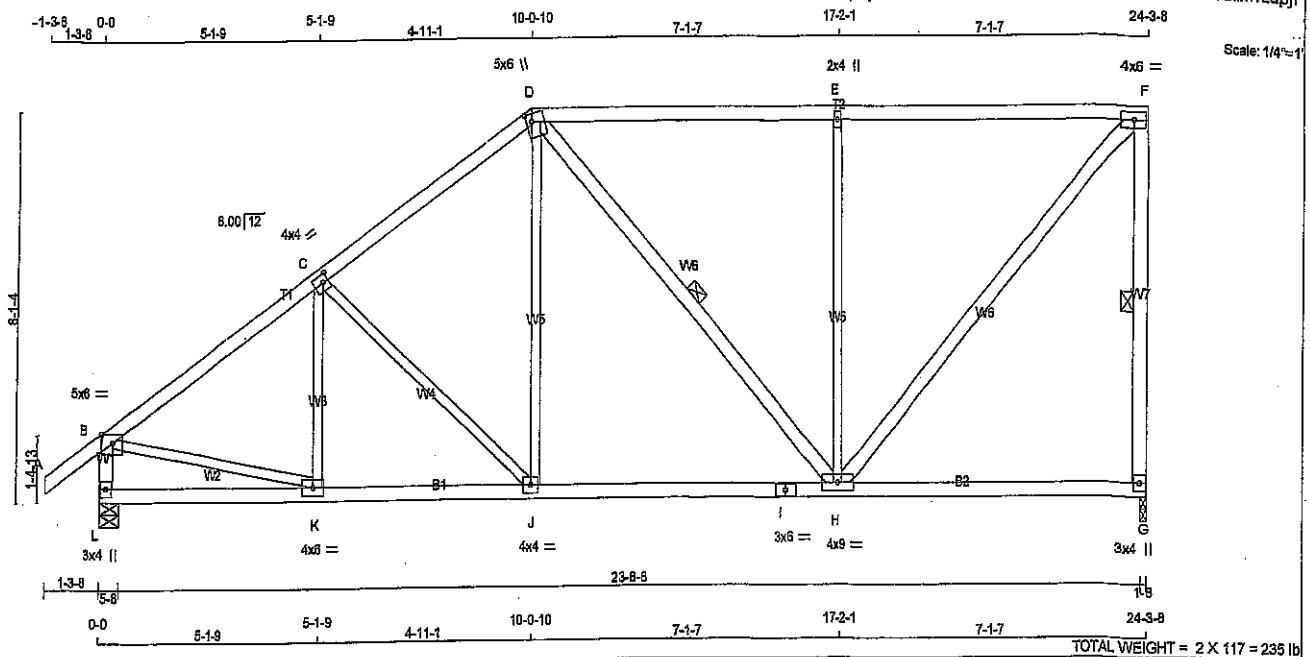
JSI GRIP= 0.90 (M) (INPUT = 0.90)
JSI METAL= 0.40 (C) (INPUT = 1.00)

DWG NO. TAM 3990 -18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
285994	T12	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 16 10:45:50 2018 Page 1
ID:w3K2lB2K4fGk9tDO7SkJphylfMC-IcEhs51c3MExkFwrscGzjE7RhRGXSHSa4Silm?zupjF



LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
L - B	2x4	DRY	No.2	SPF
L - I	2x4	DRY	No.2	SPF
I - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
D - H	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTWW+m	MT20	5.0	6.0	2.00	1.50
E	TMW+w	MT20	2.0	4.0		
F	TMWW-t	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMWWW-t	MT20	4.0	9.0		
I	BS-t	MT20	3.0	6.0		
J	BMWW-t	MT20	4.0	4.0		
K	BMWW-t	MT20	4.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
G	1363	0	1363	0	0	1-8	1-8
L	1479	0	1479	0	0	5-6	5-6

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1119	621 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0
L	1198	692 / 0	255 / 0	0 / 0	0 / 0	251 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, L

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.81 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

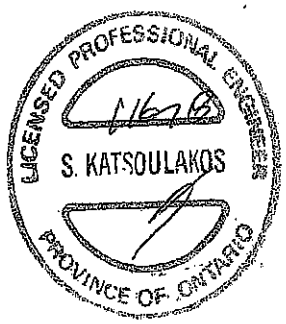
1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, D-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A-B	0 / 32	-84.3	-84.3	0.11 (1)	10.00	K-C	-123 / 133	0.04 (1)
B-C	-1529 / 0	-84.3	-84.3	0.43 (1)	4.83	C-J	-347 / 0	0.29 (1)
C-D	-1275 / 0	-84.3	-84.3	0.40 (1)	5.20	J-D	0 / 436	0.10 (2)
D-E	-967 / 0	-84.3	-84.3	0.80 (1)	4.81	D-H	-110 / 0	0.06 (1)
E-F	-967 / 0	-84.3	-84.3	0.81 (1)	4.81	H-E	-745 / 0	0.94 (1)
G-F	-1284 / 0	0.0	0.0	0.38 (1)	5.69	H-F	0 / 1432	0.23 (1)
L-B	-1416 / 0	0.0	0.0	0.15 (1)	6.85	B-K	0 / 1323	0.30 (1)
L-K	0 / 0	-26.0	-26.0	0.16 (3)	10.00			
K-J	0 / 1295	-26.0	-26.0	0.33 (2)	10.00			
J-I	0 / 1041	-26.0	-26.0	0.49 (2)	10.00			
I-H	0 / 1041	-26.0	-26.0	0.49 (2)	10.00			
H-G	0 / 0	-26.0	-26.0	0.37 (3)	10.00			



DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.16")

CSI: TC=0.81/1.00 (E-F:1) , BC=0.49/1.00 (H-J:2) , WB=0.94/1.00 (E-H:1) , SSI=0.29/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

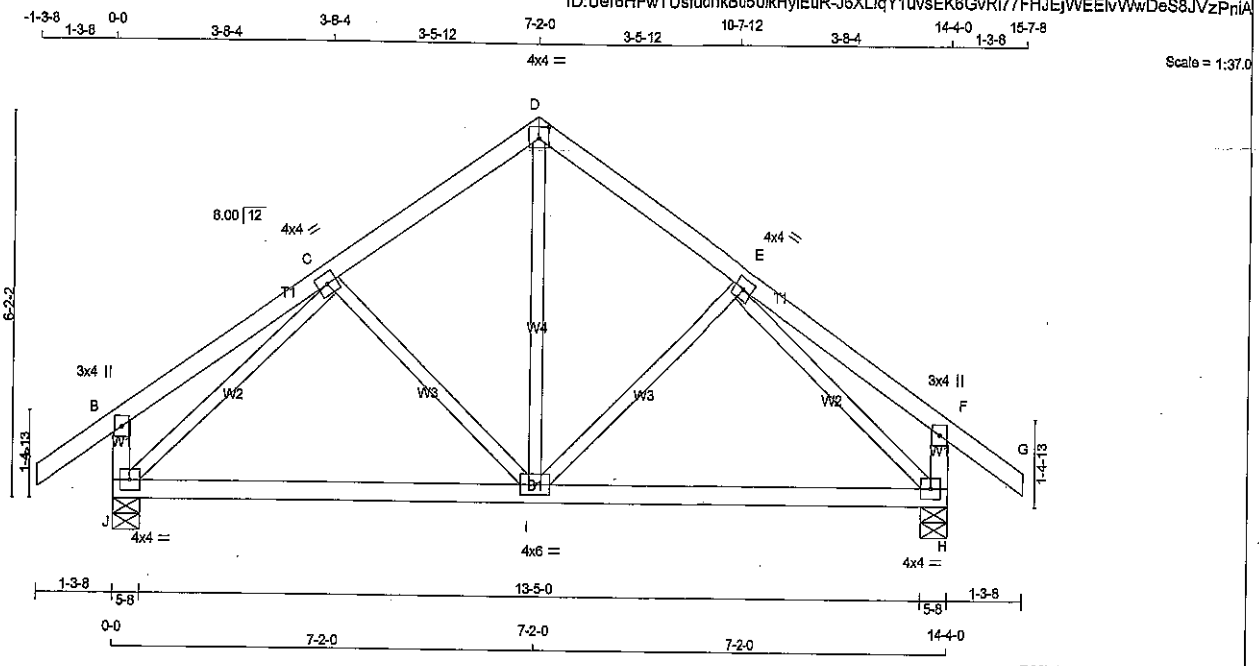
JSI GRIP= 0.69 (K) (INPUT = 0.90)
JSI METAL= 0.36 (i) (INPUT = 1.00)

DWG NO. TAM 3991-15
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
286071	T14	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Jan 6 2018 MiTek Industries, Inc. Tue Apr 17 15:24:35 2018 Page 1
ID:Uer6HFwTUsfudnkBu50lkHylEuR-J6XLIqY1uvsEK6GvRi77FHJEjWEEIvWwDeS8JVzPnIA



TOTAL WEIGHT = 4 X 62 = 247 lb [M|F]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
J - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	4.0		
D	TTW-p	MT20	4.0	4.0	2.25	2.00
E	TMWW-t	MT20	4.0	4.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	4.0	4.0		
I	BMWWW-t	MT20	4.0	6.0		
J	BMVW1-t	MT20	4.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
J	920	0	920	0	0	5-8	5-8
H	920	0	920	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	739	437 / 0	151 / 0	0 / 0	0 / 0	152 / 0	0 / 0
H	739	437 / 0	151 / 0	0 / 0	0 / 0	152 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) J, H

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 32	-84.3	-84.3	0.11 (1)	10.00	
B- C	0 / 19	-84.3	-84.3	0.17 (1)	10.00	
C- D	-645 / 0	-84.3	-84.3	0.13 (1)	6.25	
D- E	-645 / 0	-84.3	-84.3	0.13 (1)	6.25	
E- F	0 / 19	-84.3	-84.3	0.17 (1)	10.00	
F- G	0 / 32	-84.3	-84.3	0.11 (1)	10.00	
J- B	-232 / 0	0.0	0.0	0.02 (1)	7.81	
H- F	-232 / 0	0.0	0.0	0.02 (1)	7.81	
J- I	0 / 631	-28.0	-28.0	0.49 (2)	10.00	
I- H	0 / 631	-28.0	-28.0	0.49 (2)	10.00	

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
I- D	0 / 480	0.10 (1)
I- E	-152 / 44	0.06 (1)
C- I	-152 / 44	0.06 (1)
J- C	-879 / 0	0.35 (1)
E- H	-879 / 0	0.35 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.46")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.46")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.13")

CSI: TC=0.17/1.00 (E-F:1) , BC=0.49/1.00 (H-I:2) , WB=0.35/1.00 (E-H:1) , SSI=0.17/1.00 (H-I:3)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1658

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

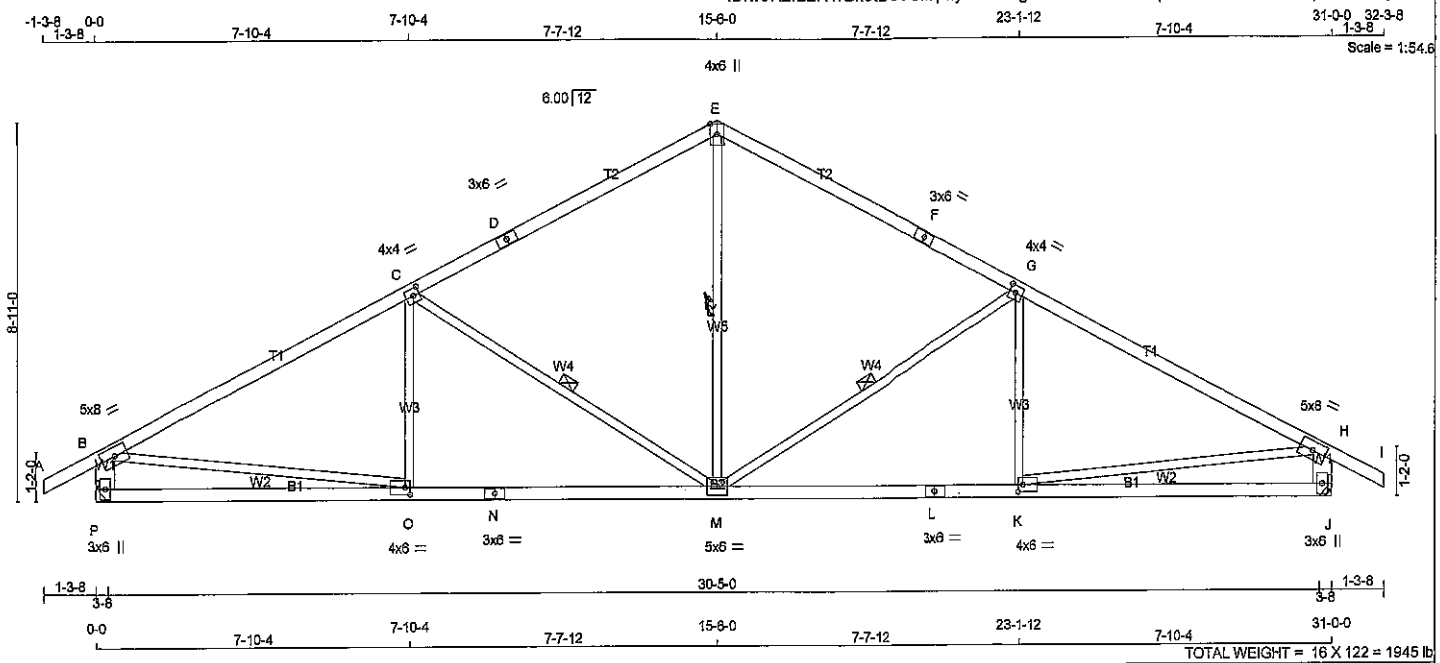
JSI GRIP= 0.77 (D) (INPUT = 0.90)
JSI METAL= 0.31 (C) (INPUT = 1.00)

DWG NO. TAM21159-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T24	16	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:28 2017 Page 1
ID:w3K2IB2K4fGk9tD07SkJphylfMC-sagP23EOvRb6Y3okp58QmFvL3dFCYNqcIRwn5myehYn



TOTAL WEIGHT = 16 X 122 = 1945 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - F	2x4	DRY	No.2	SPF
F - I	2x4	DRY	No.2	SPF
P - B	2x6	DRY	No.2	SPF
J - H	2x6	DRY	No.2	SPF
P - N	2x4	DRY	No.2	SPF
N - L	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	8.0		
C	TMWW-t	MT20	4.0	4.0	2.00	1.75
D	TS-t	MT20	3.0	6.0		
E	TTW+p	MT20	4.0	6.0	Edge	
F	TS-t	MT20	3.0	6.0		
G	TMWW-t	MT20	4.0	4.0	2.00	1.75
H	TMVW-t	MT20	5.0	8.0		
J	BMV1+p	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	6.0	2.00	1.50
L	BS-t	MT20	3.0	6.0		
M	BMWWW-t	MT20	5.0	6.0		
N	BS-t	MT20	3.0	6.0		
O	BMWW-t	MT20	4.0	6.0	2.00	1.50
P	BMV1+p	MT20	3.0	6.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT	REQRD
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	BRG	BRG
P	1854	0	1854	0	0	IN-SX	IN-SX
						HANGER BY OTHERS	
						MIN. SEAT SIZE: 3-8	
J	1854	0	1854	0	0	HANGER BY OTHERS	
						MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEA0	SOIL
P	1506	863 / 0	328 / 0	0 / 0	0 / 0	318 / 0	0 / 0
J	1508	863 / 0	328 / 0	0 / 0	0 / 0	318 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.27 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

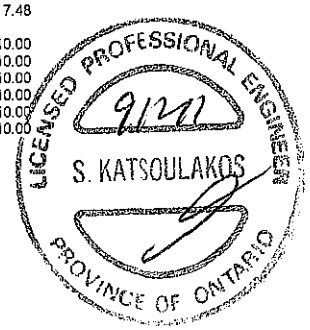
1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF G-M, C-M. E-M

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS						WEBS			
MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)	
A- B	0 / 26	-84.3	-84.3	0.11 (1)	10.00	M- E	0 / 1096	0.25 (1)	
B- C	-2529 / 0	-84.3	-84.3	0.94 (1)	3.27	M- G	-840 / 0	0.48 (1)	
C- D	-1803 / 0	-84.3	-84.3	0.78 (1)	3.96	K- G	-9 / 307	0.07 (3)	
D- E	-1803 / 0	-84.3	-84.3	0.78 (1)	3.96	C- M	-840 / 0	0.48 (1)	
E- F	-1803 / 0	-84.3	-84.3	0.78 (1)	3.96	O- C	-9 / 307	0.07 (3)	
F- G	-1803 / 0	-84.3	-84.3	0.78 (1)	3.96	B- O	0 / 2306	0.52 (1)	
G- H	-2529 / 0	-84.3	-84.3	0.94 (1)	3.27	K- H	0 / 2306	0.52 (1)	
H- I	0 / 26	-84.3	-84.3	0.11 (1)	10.00				
P- B	-1764 / 0	0.0	0.0	0.11 (1)	7.48				
J- H	-1764 / 0	0.0	0.0	0.11 (1)	7.48				
P- O	0 / 0	-28.0	-28.0	0.42 (3)	10.00				
O- N	0 / 2293	-28.0	-28.0	0.68 (2)	10.00				
N- M	0 / 2293	-28.0	-28.0	0.68 (2)	10.00				
M- L	0 / 2293	-28.0	-28.0	0.68 (2)	10.00				
L- K	0 / 2293	-28.0	-28.0	0.68 (2)	10.00				
K- J	0 / 0	-28.0	-28.0	0.42 (3)	10.00				



DWG NO. TAM 46020 17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.03")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.18")
ALLOWABLE DEFL.(TL)= L/360 (1.03")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.30")

CSI: TC=0.94 (G-H:1) , BC=0.68 (K-M:2) , WB=0.52 (H-K:1) , SSI=0.29 (G-H:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

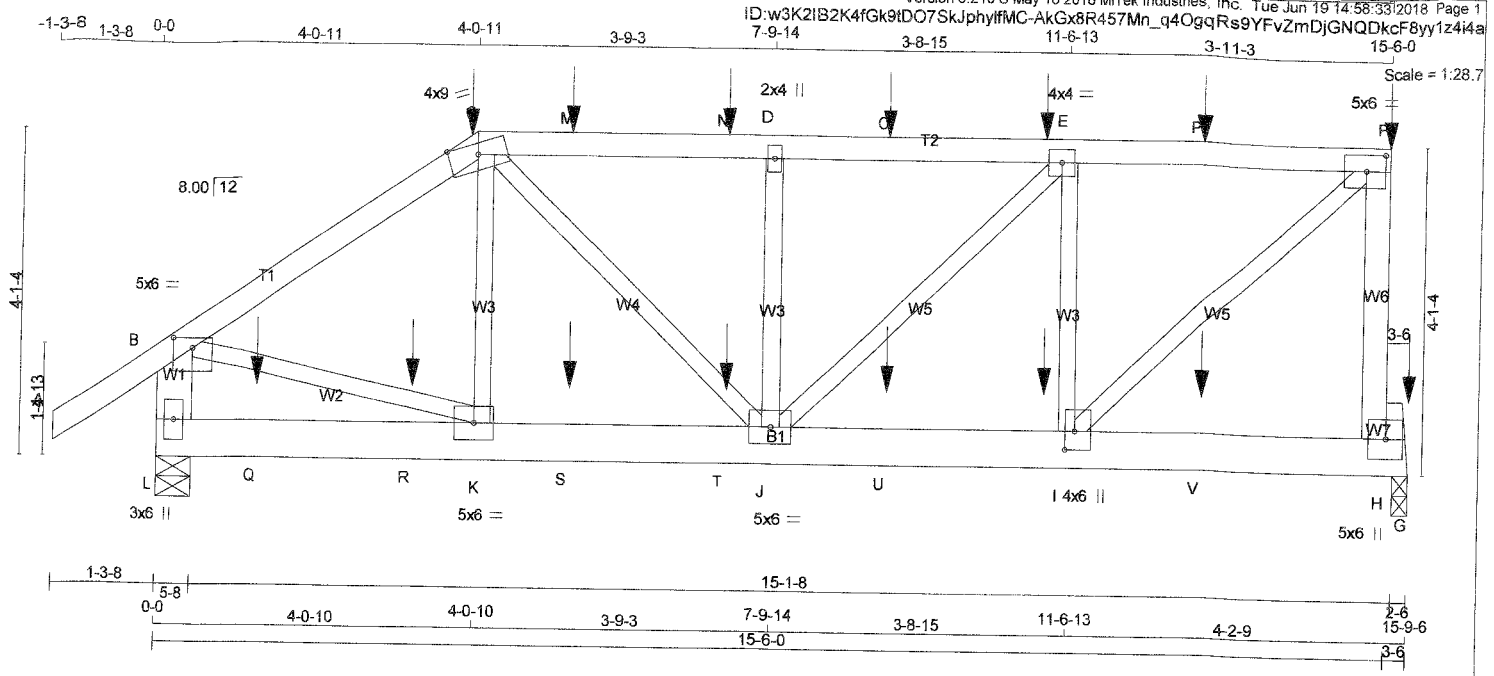
JSI GRIP= 0.87 (K) (INPUT = 0.90)
JSI METAL= 0.60 (N) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286072	T63	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

15-6-0

Version 8.210 S May 18 2018 MiTek Industries, Inc. Tue Jun 19 14:58:33 2018 Page 1
ID:w3K2IB2K4fGk9tDO7SkJphyIfMC-AkGx8R457Mn_q4OgqRs9YFvZmDjGNQDkcF8yy1z4i4a



TOTAL WEIGHT = 78 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - F	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
L - B	2x6	DRY	No.2	SPF
L - G	2x6	DRY	No.2	SPF
H - G	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.50	3.00
C	TTWW-m	MT20	4.0	9.0	Edge	
D	TMW+w	MT20	2.0	4.0		
E	TMWW-t	MT20	4.0	4.0		
F	TMVW-t	MT20	5.0	6.0	2.50	2.75
H	BMVW+p	MT20	5.0	6.0		
I	BMWW+t	MT20	4.0	6.0	2.75	1.50
J	BMWWW-t	MT20	5.0	6.0		
K	BMWW-t	MT20	5.0	6.0		
L	BMV1+p	MT20	3.0	6.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 244.5 lbs FACTORED DOWN AT 4-0-11, 101.4 lbs FACTORED DOWN AT 5-3-4, 101.4 lbs FACTORED DOWN AT 7-3-4, 101.4 lbs FACTORED DOWN AT 9-3-4, 101.4 lbs FACTORED DOWN AT 11-3-4, AND 101.4 lbs FACTORED DOWN AT 13-3-4, AND 132.1 lbs FACTORED DOWN AT 15-6-0 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 1-3-4, 69.9 lbs FACTORED DOWN AT 3-3-4, 69.9 lbs FACTORED DOWN AT 5-3-4, 69.9 lbs FACTORED DOWN AT 7-3-4, 69.9 lbs FACTORED DOWN AT 9-3-4, 69.9 lbs FACTORED DOWN AT 11-3-4, AND 69.9 lbs FACTORED DOWN AT 13-3-4, AND 87.8 lbs FACTORED DOWN AT 15-9-6 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS 15-9-6

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
L	1543	0	1543	0	0	5-8	5-8
G	1533	0	1533	0	0	2-6	2-6

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1260	711 / 0	279 / 0	0 / 0	0 / 0	270 / 0	0 / 0
G	1269	688 / 0	300 / 0	0 / 0	0 / 0	281 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) L, G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.80 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX. CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 32	-84.3	-84.3	0.12 (1)	10.00	K- C	-77 / 226	0.06 (3)
B- C	-1559 / 0	-84.3	-84.3	0.32 (1)	4.90	B- K	0 / 1331	0.33 (1)
C- M	-1624 / 0	-84.3	-84.3	0.31 (1)	4.80	I- F	0 / 1812	0.45 (1)
M- N	-1624 / 0	-84.3	-84.3	0.31 (1)	4.80	C- J	0 / 466	0.12 (1)
N- D	-1624 / 0	-84.3	-84.3	0.31 (1)	4.80	I- E	-869 / 0	0.22 (1)
D- O	-1624 / 0	-84.3	-84.3	0.31 (1)	4.81	J- D	-540 / 0	0.14 (1)
O- E	-1624 / 0	-84.3	-84.3	0.31 (1)	4.81	J- E	0 / 436	0.11 (1)
E- P	-1315 / 0	-84.3	-84.3	0.28 (1)	5.27			
P- F	-1315 / 0	-84.3	-84.3	0.28 (1)	5.27			
H- F	-1546 / 0	0.0	0.0	0.39 (1)	6.58			
L- B	-1465 / 0	0.0	0.0	0.10 (1)	7.81			
L- Q	0 / 0	-28.0	-28.0	0.10 (2)	10.00			
Q- R	0 / 0	-28.0	-28.0	0.10 (2)	10.00			
R- K	0 / 0	-28.0	-28.0	0.10 (2)	10.00			
K- S	0 / 1292	-28.0	-28.0	0.23 (1)	10.00			
S- T	0 / 1292	-28.0	-28.0	0.23 (1)	10.00			
T- J	0 / 1292	-28.0	-28.0	0.23 (1)	10.00			
J- U	0 / 1315	-28.0	-28.0	0.27 (1)	10.00			
U- I	0 / 1315	-28.0	-28.0	0.27 (1)	10.00			
I- V	0 / 0	-28.0	-28.0	0.32 (1)	10.00			
V- H	0 / 0	-28.0	-28.0	0.32 (1)	10.00			
H- G	0 / 0	-28.0	-28.0	0.13 (1)	10.00			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	4-0-11	-18	-18	---	FRONT	VERT	DEAD
C	4-0-11	-148	-148	---	FRONT	VERT	SNOW
E	11-3-4	-69	-69	---	FRONT	VERT	TOTAL
F	15-6-0	-90	-90	---	FRONT	VERT	TOTAL
H	15-9-6	-63	-63	---	FRONT	VERT	TOTAL
I	11-3-4	-50	-50	---	FRONT	VERT	TOTAL
M	5-3-4	-69	-69	---	FRONT	VERT	TOTAL
N	7-3-4	-69	-69	---	FRONT	VERT	TOTAL
O	9-3-4	-69	-69	---	FRONT	VERT	TOTAL
P	13-3-4	-69	-69	---	FRONT	VERT	TOTAL
Q	1-3-4	-50	-50	---	FRONT	VERT	TOTAL
R	3-3-4	-50	-50	---	FRONT	VERT	TOTAL
S	5-3-4	-50	-50	---	FRONT	VERT	TOTAL
T	7-3-4	-50	-50	---	FRONT	VERT	TOTAL

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

*** NON STANDARD GIRDER ***
ADDT'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.53")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.53")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.08")

CSI: TC=0.39/1.00 (F-H:1) , BC=0.32/1.00 (H-I:1) , WB=0.45/1.00 (F-I:1) , SSI=0.51/1.00 (G-H:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (C) (INPUT = 0.90)
JSI METAL= 0.43 (I) (INPUT = 1.00)

CONTINUED ON PAGE 2

T180542-1

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286072	T63	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

SPECIFIED CONCENTRATED LOADS (LBS)

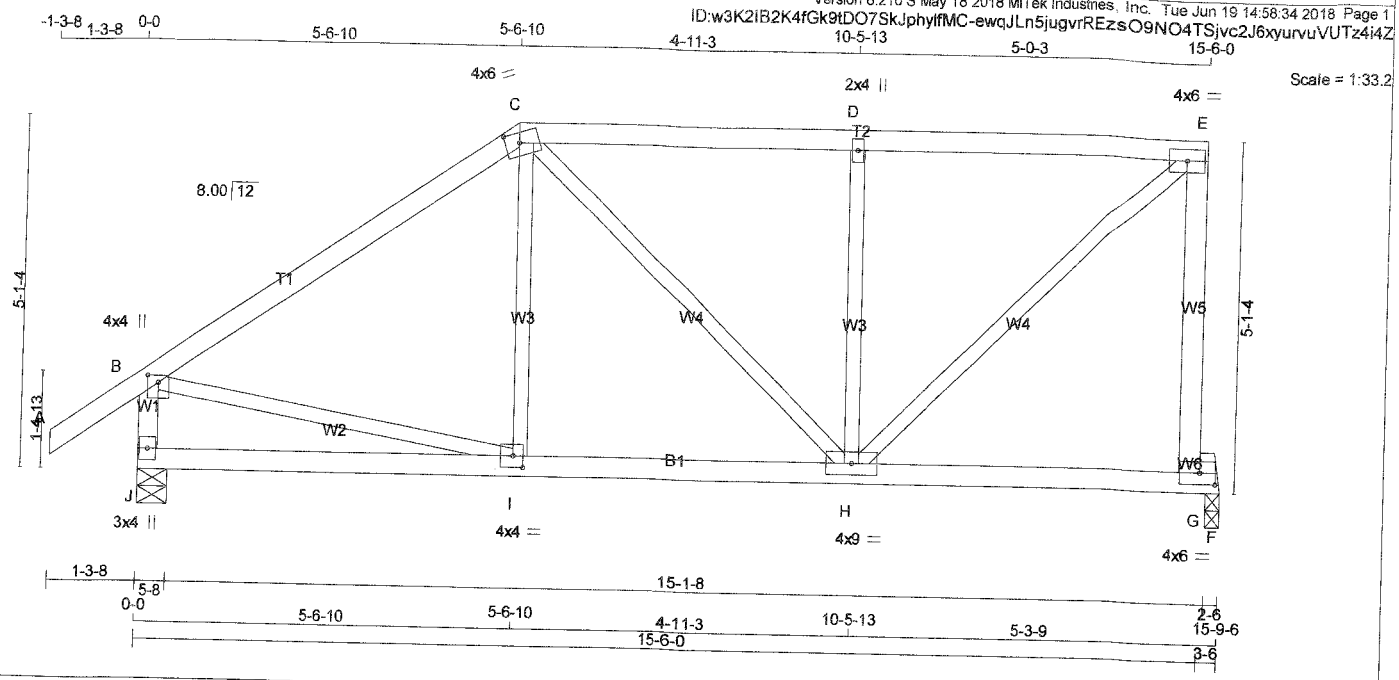
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
U	9-3-4	-50	-50	---	FRONT	VERT	TOTAL
V	13-3-4	-50	-50	---	FRONT	VERT	TOTAL

T1800542-2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286072	T64	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Tue Jun 19 14:58:34 2018 Page 1
ID:w3K2IB2K4fGk9tDO7SkJphyIfMC-ewqJLn5jugvrREzsO9NO4TSjvc2J6xyurvuVUTz4i4Z



TOTAL WEIGHT = 68 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
G - E	2x4	DRY	No.2	SPF
J - B	2x4	DRY	No.2	SPF
J - F	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
C	TTWW-m	MT20	4.0	6.0	1.75	2.50
D	TMW+w	MT20	2.0	4.0		
E	TMVW-t	MT20	4.0	6.0		
G	BMVW-t	MT20	4.0	6.0	2.00	2.50
H	BMWWW-t	MT20	4.0	9.0		
I	BMWW-t	MT20	4.0	4.0	2.00	1.75
J	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
J	1001	0	1001	0	0	IN-SX 5-8	IN-SX 5-8
F	862	0	862	0	0	2-6	2-6

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	806	474 / 0	166 / 0	0 / 0	0 / 0	166 / 0	0 / 0
F	711	389 / 0	166 / 0	0 / 0	0 / 0	156 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) J, F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.97 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

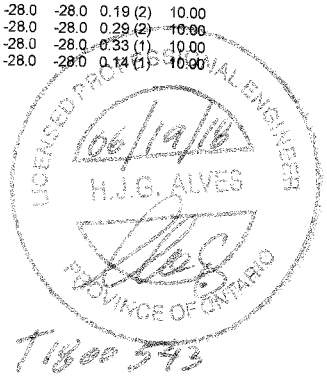
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 32	-84.3	-84.3	0.11 (1)		10.00
B- C	-816 / 0	-84.3	-84.3	0.49 (1)		5.97
C- D	-723 / 0	-84.3	-84.3	0.36 (1)		6.25
D- E	-723 / 0	-84.3	-84.3	0.36 (1)		6.25
G- E	-856 / 0	0.0	0.0	0.38 (1)		7.81
J- B	-933 / 0	0.0	0.0	0.10 (1)		7.81
J- I	0 / 0	-28.0	-28.0	0.19 (2)		10.00
I- H	0 / 679	-28.0	-28.0	0.29 (2)		10.00
H- G	0 / 0	-28.0	-28.0	0.33 (1)		10.00
G- F	0 / 0	-28.0	-28.0	0.14 (1)		10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
I- C	0 / 210	0.05 (3)
H- D	-8 / 62	0.01 (1)
H- E	-517 / 0	0.20 (1)
B- I	0 / 1003	0.23 (1)
	0 / 691	0.16 (1)



Tiles 3+3

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.53")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.07")
ALLOWABLE DEFL.(TL)= L/360 (0.53")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.13")

CSI: TC=0.49/1.00 (B-C:1) , BC=0.33/1.00 (G-H:1) , WB=0.23/1.00 (E-H:1) , SSI=0.34/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

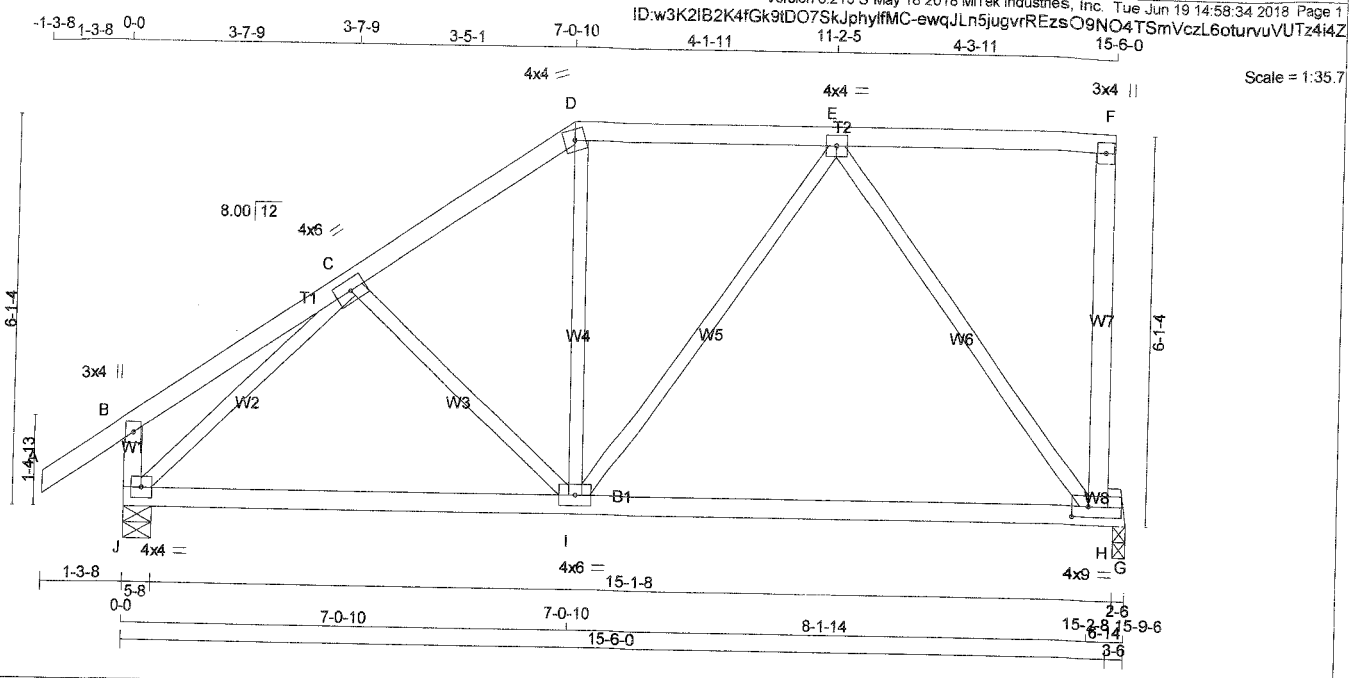
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (G) (INPUT = 0.90)
JSI METAL= 0.26 (G) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286072	T65	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Tue Jun 19 14:58:34 2018 Page 1
ID:w3K2lB2K4fGk9tDO7SkJphylfMC-ewqJLn5jugvrREzsO9NO4TSmVczL6oturvuVUTz4i4Z



LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
J - B	2x4	DRY	No.2	SPF
J - G	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	6.0		
D	TTW-m	MT20	4.0	4.0		
E	TMWW-t	MT20	4.0	4.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVWW-t	MT20	4.0	9.0	2.00	3.00
I	BMWWW-t	MT20	4.0	6.0		
J	BMVW1-t	MT20	4.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
G	862	0	862	0	0	2-6	2-6
J	1001	0	1001	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	711	389 / 0	166 / 0	0 / 0	0 / 0	156 / 0	0 / 0
J	806	474 / 0	166 / 0	0 / 0	0 / 0	166 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, J

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

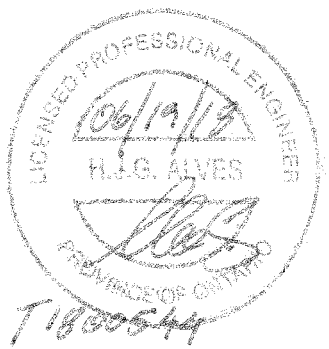
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 32	-84.3	-84.3	0.11 (1)	10.00
B- C	0 / 18	-84.3	-84.3	0.16 (1)	10.00
C- D	-787 / 0	-84.3	-84.3	0.17 (1)	6.25
D- E	-642 / 0	-84.3	-84.3	0.26 (1)	6.25
E- F	0 / 0	-84.3	-84.3	0.25 (1)	10.00
H- F	-139 / 0	0.0	0.0	0.10 (1)	7.81
J- B	-231 / 0	0.0	0.0	0.02 (1)	7.81
J- I	0 / 728	-28.0	-28.0	0.65 (2)	10.00
I- H	0 / 489	-28.0	-28.0	0.62 (2)	10.00
H- G	0 / 0	-28.0	-28.0	0.14 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- I	-122 / 58	0.05 (1)
I- D	0 / 238	0.05 (2)
J- C	-1015 / 0	0.39 (1)
I- E	0 / 323	0.07 (2)
E- H	-821 / 0	0.81 (1)



TOTAL WEIGHT = 70 lb [M]

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.53")
CALCULATED VERT. DEFL.(LL) = L/ 713 (0.27")
ALLOWABLE DEFL.(TL)= L/360 (0.53")
CALCULATED VERT. DEFL.(TL) = L/ 433 (0.44")

CSI: TC=0.26/1.00 (D-E:1) , BC=0.65/1.00 (I-J:2) , WB=0.81/1.00 (E-H:1) , SSI=0.34/1.00 (G-H:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

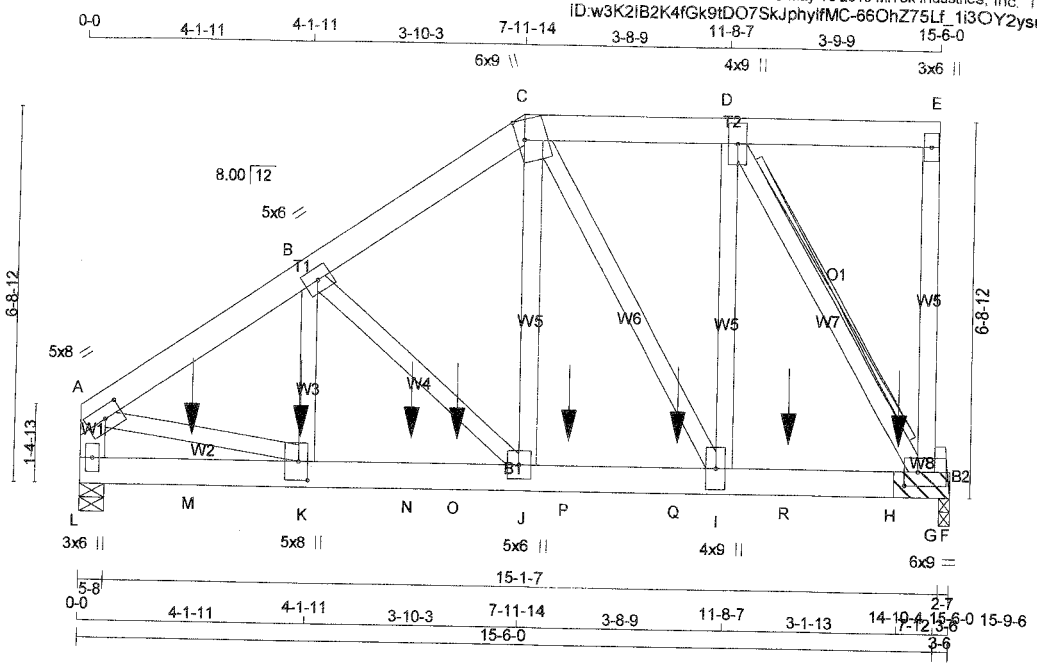
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (J) (INPUT = 0.90)
JSI METAL= 0.27 (J) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286072	T66Z8	1	3	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Tue Jun 19 14:58:35 2018 Page 1
ID:w3K2IB2K4fGk9tDO7SkJphyifMC-66OhZ75Lf_1i3OY2ysuddg?zy0N4rlf14Zd21vz4i4Y



TOTAL WEIGHT = 3 X 112 = 335 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	No.2	SPF
C - E	2x6	DRY	No.2	SPF
G - E	2x4	DRY	No.2	SPF
L - A	2x6	DRY	No.2	SPF
L - F	2x6	DRY	2100F 1.8E	SPF
G - F	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 3 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	2	12	TOP
C- E	2	12	TOP
L- A	2	12	TOP
E- G	1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
L- F	2	6	SIDE(1094.5)
WEBS : (0.122"X3") SPIRAL NAILS			
2x4	1	6	
2x6	2	6	

STAGGER NAILS BY HALF THE SURFACE SPACING IN ADJACENT PLIES.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	8.0	2.50	3.75
B	TMWW-t	MT20	5.0	6.0		
C	TTWW+m	MT20	6.0	9.0	4.25	1.50
D	TMWW+t	MT20	4.0	9.0		
E	TMV+p	MT20	3.0	6.0		
G	BMVWW-t	MT20	6.0	9.0	3.00	3.00
I	BMWW+t	MT20	4.0	9.0		
J	BMWW+t	MT20	5.0	6.0		
K	BMWW+t	MT20	5.0	8.0	4.00	2.00
L	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1)

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
L	7635	0	7635	0	0	5-8	5-8
F	8152	0	8152	0	0	2-7	2-7 & BLOCK

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	6187	3567 / 0	1321 / 0	0 / 0	0 / 0	1299 / 0	0 / 0
F	6634	3779 / 0	1447 / 0	0 / 0	0 / 0	1408 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) L, F

2x6 DRY SPF 2100F 1.8E BEARING BLOCK 12" LONG AT JT. F ATTACHED TO FRONT SIDE WITH 3 ROWS OF (0.122"X3") SPIRAL NAILS SPACED 3" C.C. 12 NAILS TOTAL.

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.77 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

2x6 DRY SPF No.2 T-BRACE AT D-G

FASTEN T AND I-BRACES TO NARROW EDGE OF WEB WITH ONE ROW PER PLY OF 3" COMMON WIRE NAILS @ 6" O.C. WITH 3" MINIMUM END DISTANCE. BRACE MUST COVER 90% OF WEB LENGTH.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	-9171 / 0	-84.3	-84.3	0.10 (1)		4.77
B- C	-6638 / 0	-84.3	-84.3	0.07 (1)		5.43
C- D	-4312 / 0	-84.3	-84.3	0.03 (1)		6.25
D- E	0 / 0	-84.3	-84.3	0.02 (1)		10.00
G- E	-133 / 0	0.0	0.0	0.04 (1)		7.81
L- A	-6933 / 0	0.0	0.0	0.15 (1)		6.75
L- M	0 / 0	-28.0	-28.0	0.17 (1)		10.00
M- K	0 / 0	-28.0	-28.0	0.17 (1)		10.00
K- N	0 / 7615	-28.0	-28.0	0.33 (1)		10.00
N- O	0 / 7615	-28.0	-28.0	0.33 (1)		10.00
O- J	0 / 7615	-28.0	-28.0	0.33 (1)		10.00
J- P	0 / 5656	-28.0	-28.0	0.31 (1)		10.00
P- Q	0 / 5656	-28.0	-28.0	0.31 (1)		10.00
Q- I	0 / 5656	-28.0	-28.0	0.31 (1)		10.00
I- R	0 / 4312	-28.0	-28.0	0.42 (1)		10.00
R- H	0 / 4312	-28.0	-28.0	0.42 (1)		10.00
H- G	0 / 4312	-28.0	-28.0	0.42 (1)		10.00
G- F	0 / 0	-28.0	-28.0	0.21 (1)		10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
K- B	0 / 3006	0.46 (1)
B- J	-2834 / 0	0.31 (1)
J- C	0 / 5626	0.30 (1)
C- I	-2631 / 0	0.58 (1)
I- D	0 / 6780	0.36 (1)
D- G	-8328 / 0	0.53 (1)
A- K	0 / 7791	0.42 (1)

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
H	14-10-4	-1395	-1395	---	BACK	VERT	TOTAL
K	4-0-4	-1471	-1471	---	BACK	VERT	TOTAL
M	2-0-4	-1471	-1471	---	BACK	VERT	TOTAL
N	6-0-4	-1471	-1471	---	BACK	VERT	TOTAL
O	6-10-4	-1394	-1394	---	BACK	VERT	TOTAL
P	8-10-4	-1394	-1394	---	BACK	VERT	TOTAL

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

*** NON STANDARD GIRDER ***
ADDT'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.53")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.07")
ALLOWABLE DEFL.(TL)= L/360 (0.53")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.12")

CSI: TC=0.15/1.00 (A-L:1) , BC=0.42/1.00 (G-I:1) , WB=0.58/1.00 (C-I:1) , SSI=0.82/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (G) (INPUT = 0.90)
JSI METAL= 0.66 (K) (INPUT = 1.00)

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286072	T66Z8	1	3	TRUSS DESC.	

Tamarack Roof Truss, Burlington

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 1826.2 lbs FACTORED DOWN AT 2-0-4, 1826.2 lbs FACTORED DOWN AT 4-0-4, 1826.2 lbs FACTORED DOWN AT 6-0-4, 1711.9 lbs FACTORED DOWN AT 6-10-4, 1711.9 lbs FACTORED DOWN AT 8-10-4, 1711.9 lbs FACTORED DOWN AT 10-10-4, AND 1711.9 lbs FACTORED DOWN AT 12-10-4, AND 1712.8 lbs FACTORED DOWN AT 14-10-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

SPECIFIED CONCENTRATED LOADS (LBS)

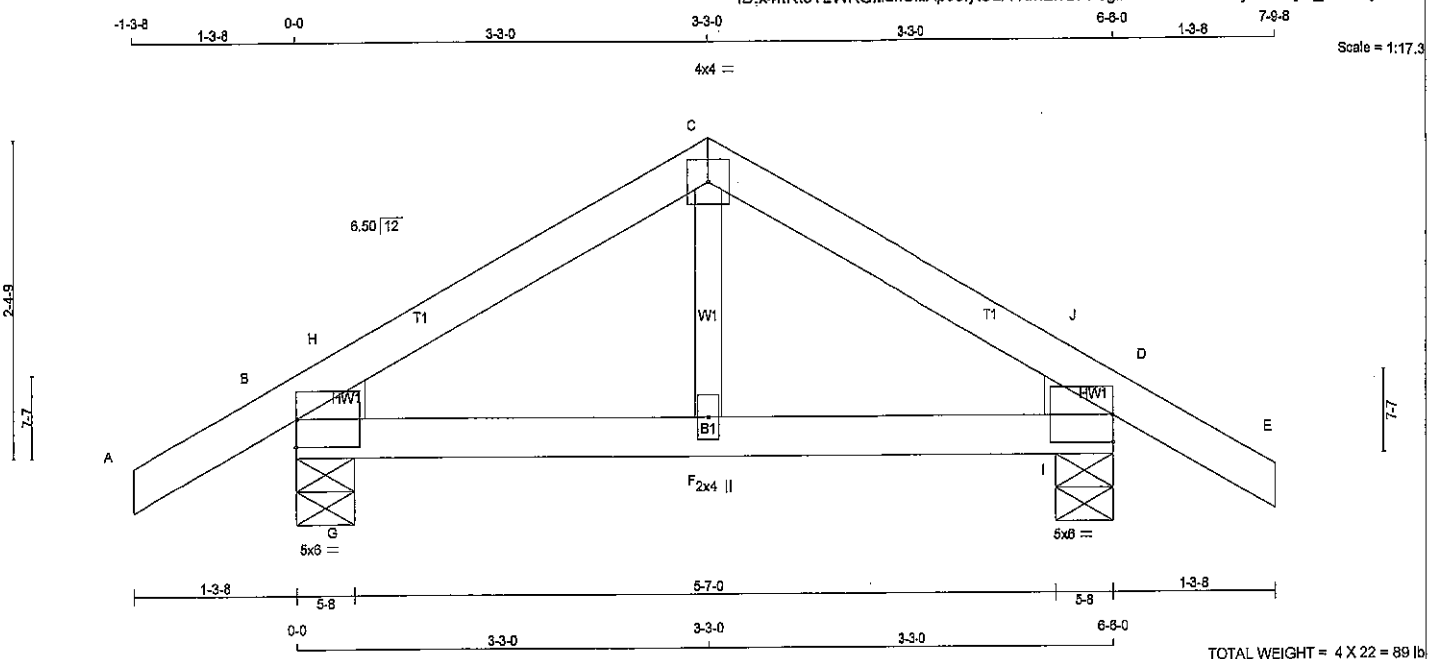
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
Q	10-10-4	-1394	-1394	---	BACK	VERT	TOTAL
R	12-10-4	-1394	-1394	---	BACK	VERT	TOTAL

T1800545-2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T93	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:29 2017 Page 1
ID:x4nRtoTLWKGMdnOidXp93lytUaX-KmEnGPF0gIkzACNwNoffJTSjl1kQHycl_5fKdCyehYm



TOTAL WEIGHT = 4 X 22 = 89 lb

[M][F]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
B - D	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN Y	X
B	TMBH1-I	MT20	5.0	6.0	
C	TTW-p	MT20	4.0	4.0	
D	TMBH1-I	MT20	5.0	6.0	
F	BMW+w	MT20	2.0	4.0	

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX	HEEL WEDGE
B	480	0	480	0	0	5-8	5-8	2x4 L
D	480	0	480	0	0	5-8	5-8	2x4 R

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	377	236 / 0	66 / 0	0 / 0	0 / 0	73 / 0	0 / 0
D	377	236 / 0	68 / 0	0 / 0	0 / 0	73 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, D

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX. CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 17	-84.3	-84.3	0.11 (1)	10.00
B- H	-412 / 0	-84.3	-84.3	0.05 (1)	6.25
H- C	-355 / 0	-84.3	-84.3	0.08 (1)	6.25
C- J	-355 / 0	-84.3	-84.3	0.08 (1)	6.25
J- D	-412 / 0	-84.3	-84.3	0.05 (1)	6.25
D- E	0 / 17	-84.3	-84.3	0.11 (1)	10.00
B- G	0 / 305	-28.0	-28.0	0.08 (1)	10.00
G- F	0 / 305	-28.0	-28.0	0.10 (1)	10.00
F- I	0 / 305	-28.0	-28.0	0.10 (1)	10.00
I- D	0 / 305	-28.0	-28.0	0.08 (1)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
F- C	0 / 165	0.04 (2)
G- H	-34 / 113	0.00 (1)
I- J	-34 / 113	0.00 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.22")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.22")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.01")

CSI: TC=0.11 (D-E:1) , BC=0.10 (F-G:1) , WB=0.04 (C-F:2) , SSI=0.09 (C-J:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.79 (D) (INPUT = 0.90)
JSI METAL= 0.10 (B) (INPUT = 1.00)

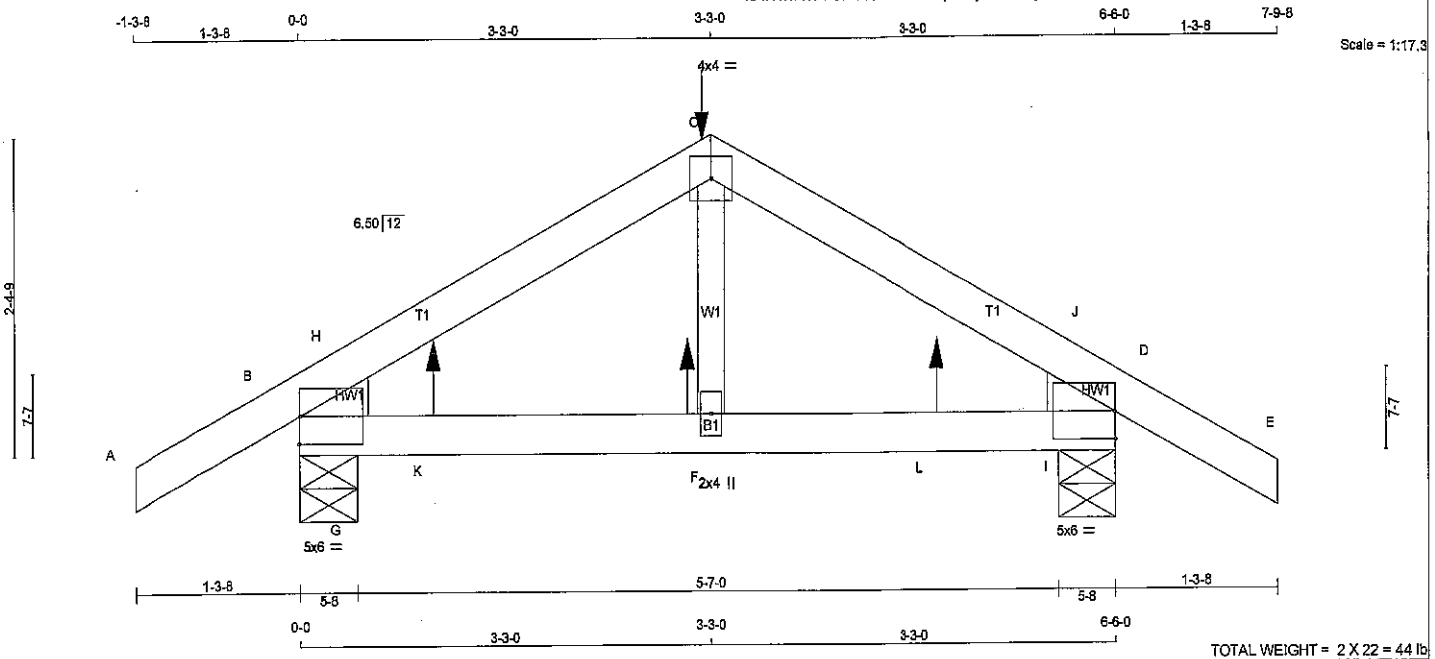
LICENSED PROFESSIONAL ENGINEER
9/27/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM46075-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43854	DRWG NO.
283746	T93Z	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:30 2017 Page 1
ID:x4nRtoTLWKGMdnOidXp93iytUaX-oyo9TlFeR2sqnMy7xWAusg_uKR4b0PnuDlPtAfyehYl



TOTAL WEIGHT = 2 X 22 = 44 lb

[M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
B - D	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMBH1-I	MT20	5.0	6.0		
C	TTW-p	MT20	4.0	4.0		
D	TMBH1-I	MT20	5.0	6.0		
F	BMW+w	MT20	2.0	4.0		

HANGERS NOTES
1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 1.7 lbs FACTORED DOWN AND 105.9 lbs FACTORED UP AT 3-3-0 ON TOP CHORD, AND 16.8 lbs FACTORED UP AT 1-0-12, AND 16.8 lbs FACTORED UP AT 5-0-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX	HEEL WEDGE
B	462	0	462	0	0	5-8	5-8	2x4 L
D	464	0	464	0	0	5-8	5-8	2x4 R

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	366	224 / 0	69 / 0	0 / 0	0 / 0	73 / 0	0 / 0
D	367	225 / 0	69 / 0	0 / 0	0 / 0	73 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, D

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (7)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A-B	0 / 17	-84.3	-84.3	0.12 (1)	10.00	F-C	0 / 162	0.04 (7)
B-H	-383 / 0	-84.3	-84.3	0.07 (1)	6.25	G-H	-94 / 113	0.00 (1)
H-C	-336 / 0	-84.3	-84.3	0.10 (5)	6.25	I-J	-95 / 113	0.00 (1)
C-J	-336 / 0	-84.3	-84.3	0.10 (5)	6.25			
J-D	-383 / 0	-84.3	-84.3	0.07 (1)	6.25			
D-E	0 / 17	-84.3	-84.3	0.12 (1)	10.00			
B-G	0 / 289	-28.0	-28.0	0.09 (5)	10.00			
G-K	0 / 289	-28.0	-28.0	0.11 (1)	10.00			
K-F	0 / 289	-28.0	-28.0	0.11 (1)	10.00			
F-L	0 / 289	-28.0	-28.0	0.11 (1)	10.00			
L-I	0 / 289	-28.0	-28.0	0.11 (1)	10.00			
I-D	0 / 289	-28.0	-28.0	0.10 (5)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	3-3-0	-1	-2	106	BACK	VERT	TOTAL
F	3-0-12	11	---	17	BACK	VERT	TOTAL
K	1-0-12	11	---	17	BACK	VERT	TOTAL
L	5-0-12	11	---	17	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM46076-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.22")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.22")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.01")

CSI: TC=0.12 (D-E:1) , BC=0.11 (F-G:1) , WB=0.04 (C-F:7) , SSI=0.10 (C-J:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

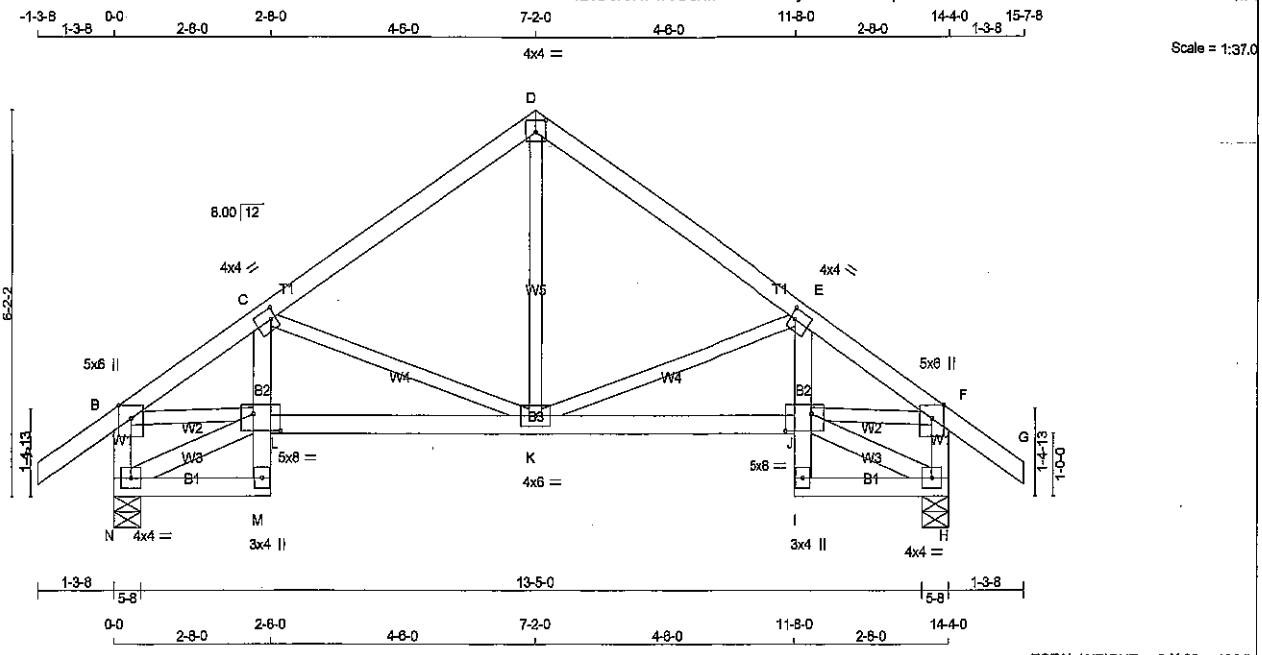
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.76 (D) (INPUT = 0.90)
JSI METAL= 0.10 (B) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
286071	T112	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Jan 6 2018 MiTek Industries, Inc. Tue Apr 17 15:24:35 2018 Page 1
ID:Uer6HFwTUsfudnkBu50lkHylEuR-J6XLlqY1uvsEK6GvRi77FHJDtWHDlxFwDeS8JVzPniA



TOTAL WEIGHT = 2 X 68 = 136 lb [M][F]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
N - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
N - M	2x4	DRY	No.2	SPF
M - C	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
I - E	2x4	DRY	No.2	SPF
I - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
N - L	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TMVW-t	MT20	4.0	4.0	2.00	1.00
D	TTW-p	MT20	4.0	4.0	2.25	2.00
E	TMVW-t	MT20	4.0	4.0	2.00	1.00
F	TMVW+p	MT20	5.0	6.0	Edge	
H	BMVW1-t	MT20	4.0	4.0		
I	BMV+p	MT20	3.0	4.0		
J	BVMWW-I	MT20	5.0	8.0	3.25	5.50
K	BMWWW-t	MT20	4.0	6.0		
L	BVMWW-I	MT20	5.0	8.0	3.25	5.50
M	BMV+p	MT20	3.0	4.0		
N	BMVW1-t	MT20	4.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
N	920	0	920	0	0	5-8	5-8
H	920	0	920	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	739	437 / 0	150 / 0	0 / 0	0 / 0	152 / 0	0 / 0
H	739	437 / 0	150 / 0	0 / 0	0 / 0	152 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) N, H

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.60 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 32	-84.3	-84.3	0.11 (1)	10.00	K- D	0 / 462	0.11 (1)
B- C	-1234 / 0	-84.3	-84.3	0.17 (1)	5.60	K- E	-500 / 0	0.20 (1)
C- D	-748 / 0	-84.3	-84.3	0.22 (1)	6.25	C- K	-500 / 0	0.20 (1)
D- E	-748 / 0	-84.3	-84.3	0.22 (1)	6.25	N- L	-40 / 0	0.00 (1)
E- F	-1234 / 0	-84.3	-84.3	0.17 (1)	5.60	B- L	0 / 1053	0.24 (1)
F- G	0 / 32	-84.3	-84.3	0.11 (1)	10.00	J- H	-40 / 0	0.00 (1)
N- B	-869 / 0	0.0	0.0	0.09 (1)	7.81	J- F	0 / 1053	0.24 (1)
H- F	-869 / 0	0.0	0.0	0.09 (1)	7.81			
N- M	0 / 37	-28.0	-28.0	0.06 (2)	10.00			
M- L	0 / 62	0.0	0.0	0.06 (1)	10.00			
L- C	0 / 147	0.0	0.0	0.07 (1)	10.00			
L- K	0 / 1076	-28.0	-28.0	0.30 (2)	10.00			
K- J	0 / 1076	-28.0	-28.0	0.30 (2)	10.00			
I- J	0 / 62	0.0	0.0	0.06 (1)	10.00			
J- E	0 / 147	0.0	0.0	0.07 (1)	10.00			
I- H	0 / 37	-28.0	-28.0	0.06 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 066-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.46")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.46")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.06")

CSI: TC=0.22/1.00 (D-E:1) , BC=0.30/1.00 (J-K:2) , WB=0.24/1.00 (F-J:1) , SSI=0.15/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (L) (INPUT = 0.90)
JSI METAL= 0.24 (F) (INPUT = 1.00)

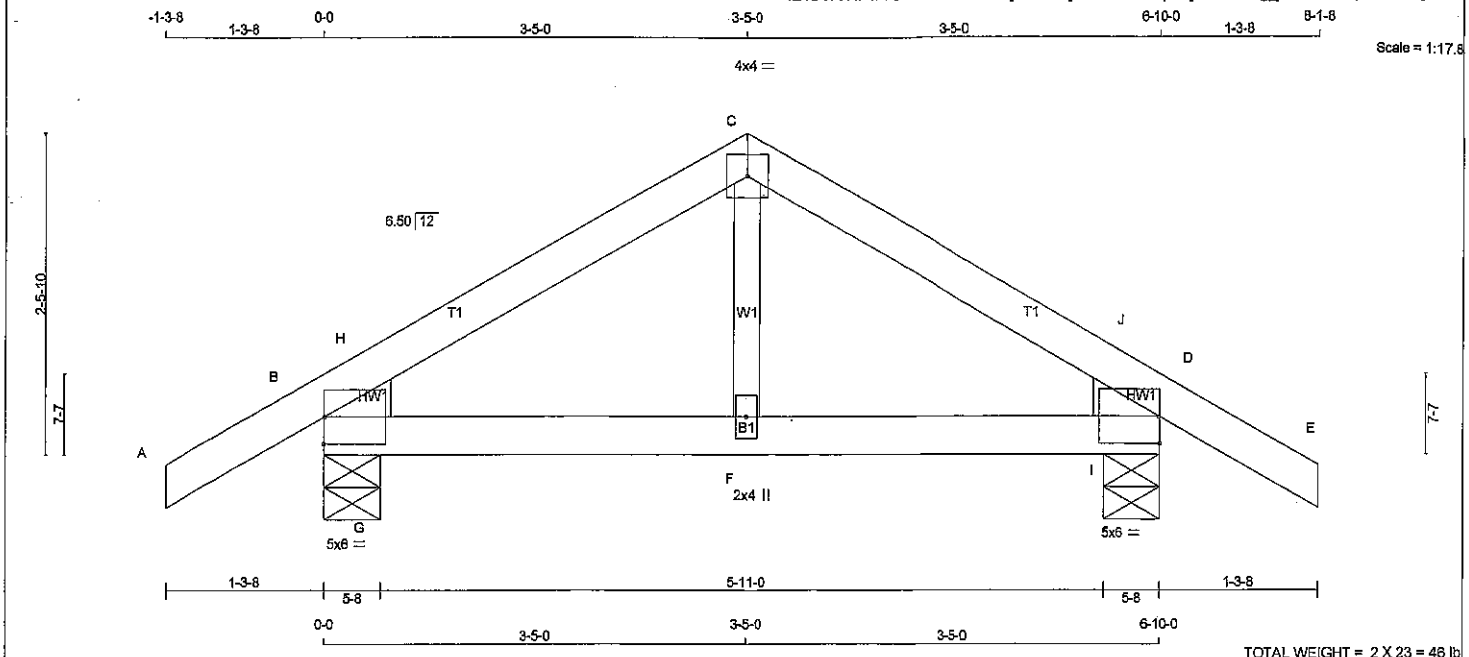
DWG NO. TAM2-1160-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T129	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:30 2017 Page 1

ID:Uer6HFwTUsfudnkBu50lkHylEuR-oyo9TlFeR2sqnMy7xWAusg_uVR4U0PpuDlPtAfyehY



TOTAL WEIGHT = 2 X 23 = 46 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
B - D	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMBH1-I	MT20	5.0	6.0		
C	TTW-p	MT20	4.0	4.0		
D	TMBH1-I	MT20	5.0	6.0		
F	BMW+w	MT20	2.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX	HEEL WEDGE
B	498	0	498	0	0	5-8	5-8	2x4 L
D	498	0	498	0	0	5-8	5-8	2x4 R

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	393	244 / 0	72 / 0	0 / 0	0 / 0	77 / 0	0 / 0
D	393	244 / 0	72 / 0	0 / 0	0 / 0	77 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, D

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A-B	0 / 17	-84.3	-84.3	0.11 (1)	10.00	F-C	0 / 176	0.04 (2)	
B-H	-431 / 0	-84.3	-84.3	0.06 (1)	6.25	G-H	-42 / 121	0.00 (1)	
H-C	-377 / 0	-84.3	-84.3	0.09 (1)	6.25	I-J	-42 / 121	0.00 (1)	
C-J	-377 / 0	-84.3	-84.3	0.09 (1)	6.25				
J-D	-431 / 0	-84.3	-84.3	0.06 (1)	6.25				
D-E	0 / 17	-84.3	-84.3	0.11 (1)	10.00				
B-G	0 / 324	-28.0	-28.0	0.09 (1)	10.00				
G-F	0 / 324	-28.0	-28.0	0.11 (1)	10.00				
F-I	0 / 324	-28.0	-28.0	0.11 (1)	10.00				
I-D	0 / 324	-28.0	-28.0	0.09 (1)	10.00				

DWG NO. TAM 46078 17

STRUCTURAL COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.23")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.23")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.01")

CSI: TC=0.11 (D-E:1) , BC=0.11 (F-G:1) , WB=0.04 (C-F:2) , SSI=0.10 (C-J:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

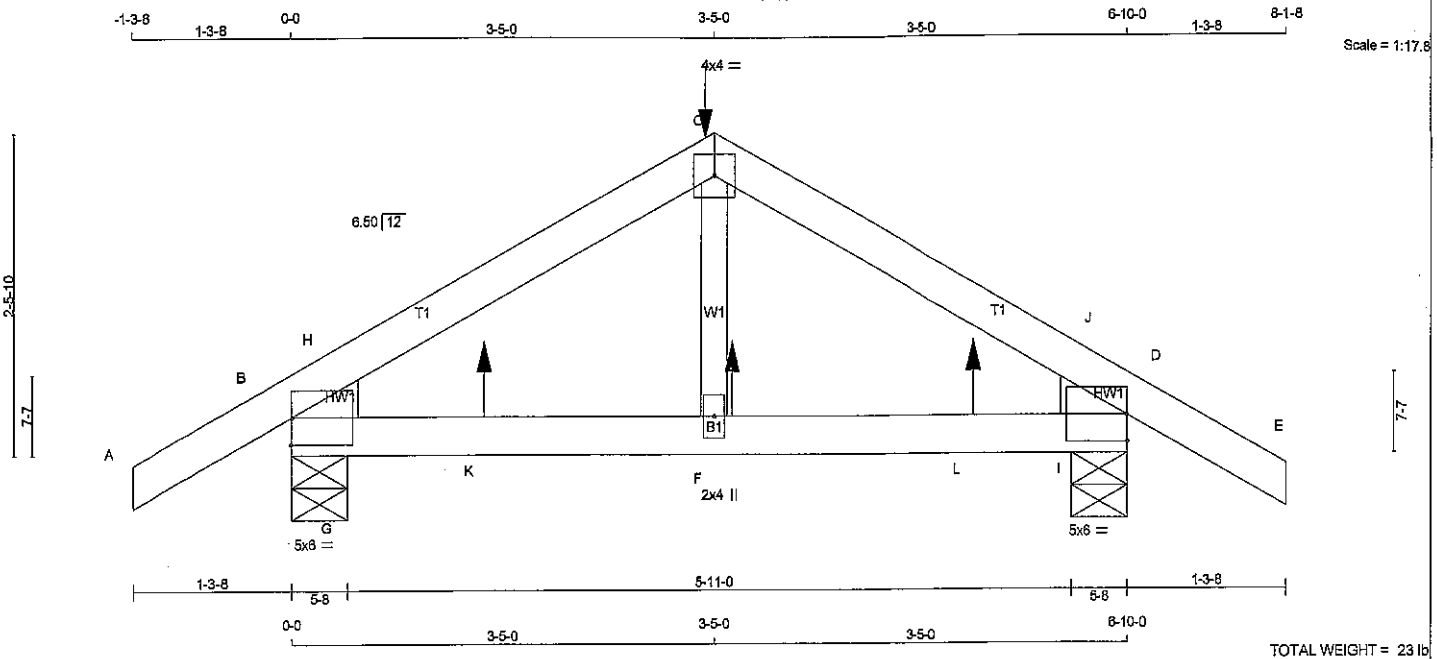
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.82 (D) (INPUT = 0.90)
JSI METAL= 0.11 (D) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43854	DRWG NO.
283746	T129Z	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:30 2017 Page 1
ID:Uer6HFwTUsfudnkBu50lkHylEuR-oyo9TlFeR2sqnMy7xWAusg_uKR4P0PjuDlPtAfyehYl



TOTAL WEIGHT = 23 lb

[M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
B - D	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMBH1-I	MT20	5.0	6.0		
C	TTW-p	MT20	4.0	4.0		
D	TMBH1-I	MT20	5.0	6.0		
F	BMW+w	MT20	2.0	4.0		

HANGERS NOTES
1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 2.0 lbs FACTORED DOWN AND 103.3 lbs FACTORED UP AT 3-5-0 ON TOP CHORD, AND 15.9 lbs FACTORED UP AT 1-6-12, AND 15.9 lbs FACTORED UP AT 3-6-12, AND 15.9 lbs FACTORED UP AT 5-6-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX	HEEL WEDGE
B	484	0	484	0	0	5-8	5-8	2x4 L
D	483	0	483	0	0	5-8	5-8	2x4 R

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	364	235 / 0	72 / 0	0 / 0	0 / 0	77 / 0	0 / 0
D	383	-234 / 0	72 / 0	0 / 0	0 / 0	77 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, D

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (7)

CHORDS

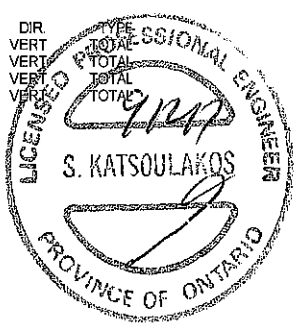
MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 17	-84.3	-84.3	0.12 (1)	10.00
B- H	-405 / 0	-84.3	-84.3	0.08 (1)	6.25
H- C	-360 / 0	-84.3	-84.3	0.11 (5)	6.25
C- J	-360 / 0	-84.3	-84.3	0.11 (5)	6.25
J- D	-405 / 0	-84.3	-84.3	0.08 (1)	6.25
D- E	0 / 17	-84.3	-84.3	0.12 (1)	10.00
B- G	0 / 309	-28.0	-28.0	0.11 (5)	10.00
G- K	0 / 309	-28.0	-28.0	0.12 (1)	10.00
K- F	0 / 309	-28.0	-28.0	0.12 (1)	10.00
F- L	0 / 309	-28.0	-28.0	0.12 (1)	10.00
L- I	0 / 309	-28.0	-28.0	0.12 (1)	10.00
I- D	0 / 309	-28.0	-28.0	0.10 (5)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
F- C	0 / 172	0.05 (7)
G- H	-101 / 121	0.00 (1)
I- J	-101 / 121	0.00 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.
C	3-5-0	-1	-2	103	FRONT	VERT TOTAL
F	3-6-12	10	---	16	FRONT	VERT TOTAL
K	1-6-12	10	---	16	FRONT	VERT TOTAL
L	5-6-12	10	---	16	FRONT	VERT TOTAL



DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.23")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.23")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.01")

CSI: TC=0.12 (D-E:1) , BC=0.12 (F-G:1) , WB=0.05 (C-F:7) , SSI=0.11 (C-H:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.80 (D) (INPUT = 0.90)
JSI METAL= 0.10 (D) (INPUT = 1.00)

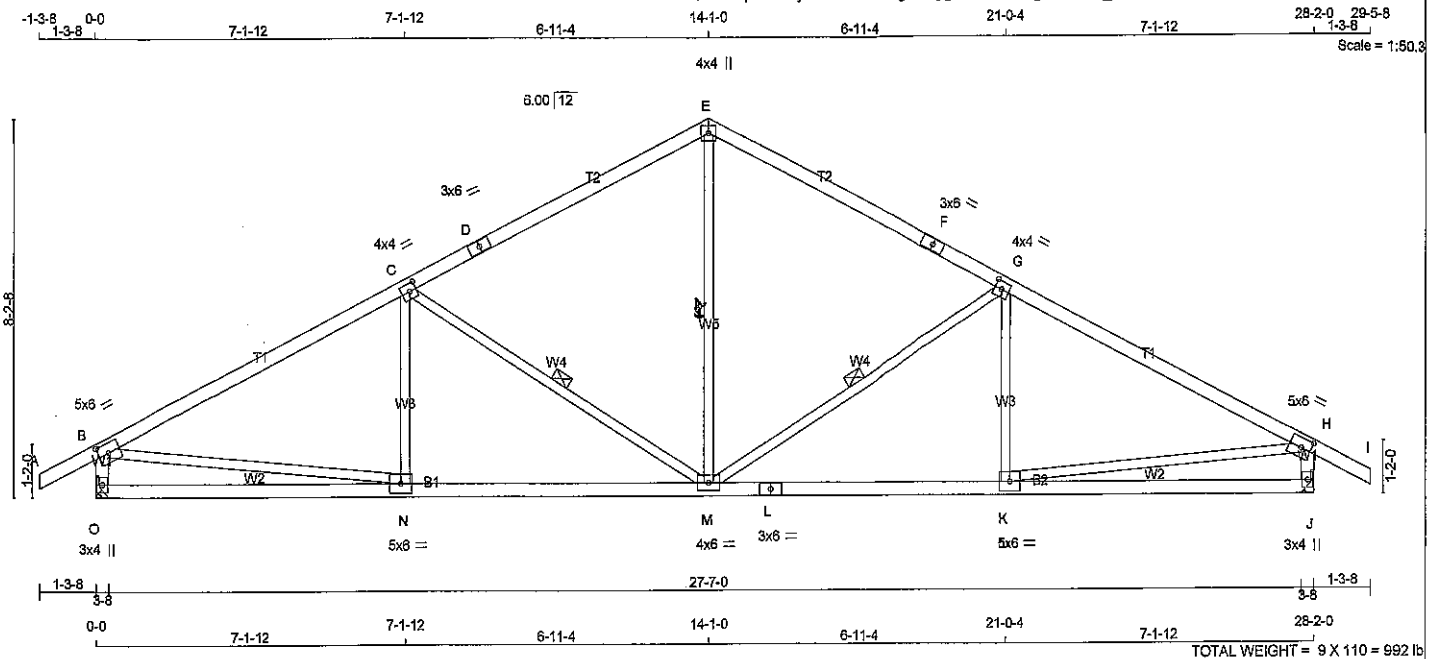
DWG NO. TAM46079-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T188	9	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:31 2017 Page 1

ID:sGqP1Vk7j17Mom8E9Sg7w1yg0Fn-G9MXg4GGCM_hPWXJUDh7OuXvxqIWlR2SP8Ri5yehYk



TOTAL WEIGHT = 9 X 110 = 992 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - F	2x4	DRY	No.2	SPF
F - I	2x4	DRY	No.2	SPF
O - B	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
O - L	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	6.0	2.50	2.75
C	TMWW-t	MT20	4.0	4.0	2.00	1.75
D	TS-t	MT20	3.0	6.0		
E	TTW+p	MT20	4.0	4.0		
F	TS-t	MT20	3.0	6.0		
G	TMWW-t	MT20	4.0	4.0	2.00	1.75
H	TMVW-t	MT20	5.0	6.0	2.50	2.75
J	BMV1+p	MT20	3.0	4.0		
K	BMWW-t	MT20	5.0	6.0		
L	BS-t	MT20	3.0	6.0		
M	BMWWW-t	MT20	4.0	6.0		
N	BMWW-t	MT20	5.0	6.0		
O	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
O	1695	0	1695	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	
J	1695	0	1695	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1376	790 / 0	295 / 0	0 / 0	0 / 0	290 / 0	0 / 0
J	1376	790 / 0	295 / 0	0 / 0	0 / 0	290 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.80 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF G-M, C-M. EM

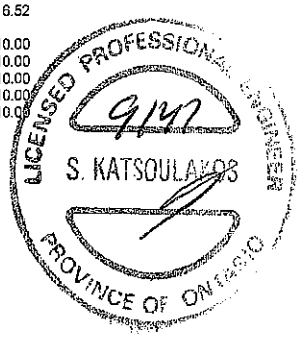
END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 26	-84.3	-84.3	0.11 (1)	10.00
B- C	-2254 / 0	-84.3	-84.3	0.70 (1)	3.80
C- D	-1622 / 0	-84.3	-84.3	0.61 (1)	4.45
D- E	-1622 / 0	-84.3	-84.3	0.61 (1)	4.45
E- F	-1622 / 0	-84.3	-84.3	0.61 (1)	4.45
F- G	-1622 / 0	-84.3	-84.3	0.61 (1)	4.45
G- H	-2254 / 0	-84.3	-84.3	0.70 (1)	3.80
H- I	0 / 26	-84.3	-84.3	0.11 (1)	10.00
O- B	-1613 / 0	0.0	0.0	0.16 (1)	6.52
J- H	-1613 / 0	0.0	0.0	0.16 (1)	6.52
O- N	0 / 0	-28.0	-28.0	0.34 (3)	10.00
N- M	0 / 2044	-28.0	-28.0	0.57 (2)	10.00
M- L	0 / 2044	-28.0	-28.0	0.57 (2)	10.00
L- K	0 / 2044	-28.0	-28.0	0.57 (2)	10.00
K- J	0 / 0	-28.0	-28.0	0.34 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
M- E	0 / 982	0.22 (1)
M- G	-738 / 0	0.34 (1)
K- G	-27 / 269	0.06 (3)
C- M	-738 / 0	0.34 (1)
N- C	-27 / 269	0.06 (3)
B- N	0 / 2059	0.46 (1)
K- H	0 / 2059	0.48 (1)



DWG NO. TAM46092 17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.94")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.13")
ALLOWABLE DEFL.(TL)= L/360 (0.94")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.22")

CSI: TC=0.70 (B-C:1) , BC=0.57 (M-N:2) , WB=0.46 (B-N:1) , SSI=0.26 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1687	822	2284	1856

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

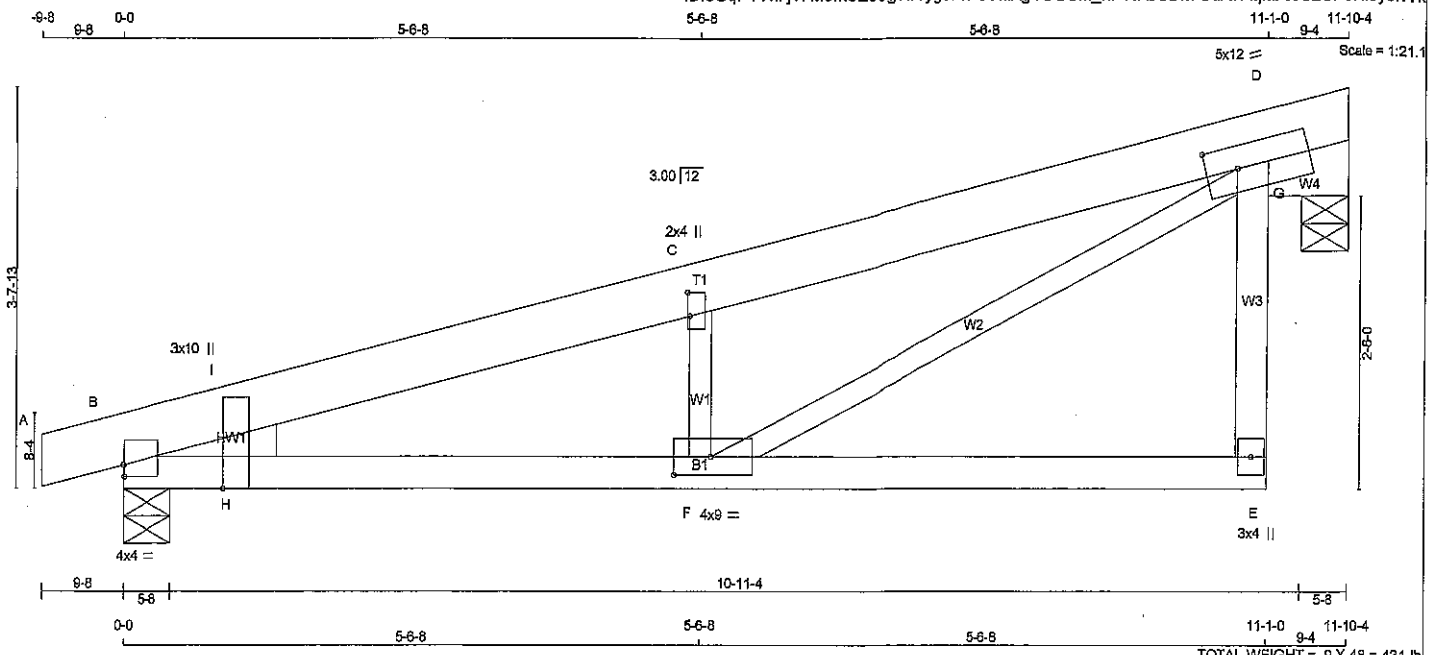
JSI GRIP= 0.90 (K) (INPUT = 0.90)
JSI METAL= 0.61 (H) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43854	DRWG NO.
283746	T202TCX	9	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:31 2017 Page 1

ID:sGqP1Vk7j17Mom8E9Sg?w1yg0Fn-G9MXg4GGCM_hPWXJUDh7OuX?AqMXloC2SP8Ri5yehYk



TOTAL WEIGHT = 9 X 48 = 431 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x6	DRY	No.2	SPF
E - D	2x4	DRY	No.2	SPF
B - E	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	4.0	4.0	1.25	
B	WP+I	MT20	3.0	10.0	Edge	11.50
C	TMW+w	MT20	2.0	4.0	2.50	0.25
D	TMWW1-t	MT20	5.0	12.0	2.50	3.75
E	BMV+p	MT20	3.0	4.0		
F	BMWW-t	MT20	4.0	9.0	2.00	4.25

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX	HEEL WEDGE
J(D)	593	0	593	0	0	5-8	5-8	
B	722	0	722	0	0	5-8	5-8	2x4 L

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J(D)	487	270 / 0	111 / 0	0 / 0	0 / 0	106 / 0	0 / 0
B	583	340 / 0	122 / 0	0 / 0	0 / 0	121 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) J(D), B

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	-4 / 0	-84.3	-84.3	0.02 (1)	10.00
B- I	-1371 / 0	-84.3	-84.3	0.04 (1)	6.25
I- C	-1265 / 0	-84.3	-84.3	0.10 (1)	6.25
C- D	-1259 / 0	-84.3	-84.3	0.19 (1)	6.25
E- G	0 / 113	0.0	0.0	0.37 (1)	10.00
G- D	0 / 113	0.0	0.0	0.37 (1)	10.00
B- H	0 / 1231	-28.0	-28.0	0.22 (1)	10.00
H- F	0 / 1231	-28.0	-28.0	0.32 (2)	10.00
F- E	0 / 104	-28.0	-28.0	0.19 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
F- C	-460 / 0	0.07 (1)
F- D	0 / 1271	0.29 (1)
H- I	0 / 145	0.00 (1)
D- J	-826 / 0	0.03 (1)
G- J	0 / 578	0.00 (1)

DWG NO. TAM46081-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.37")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.37")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.11")

CSI: TC=0.37 (E-G:1) , BC=0.32 (F-H:2) , WB=0.29 (D-F:1) , SSI=0.16 (D-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE LEFT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

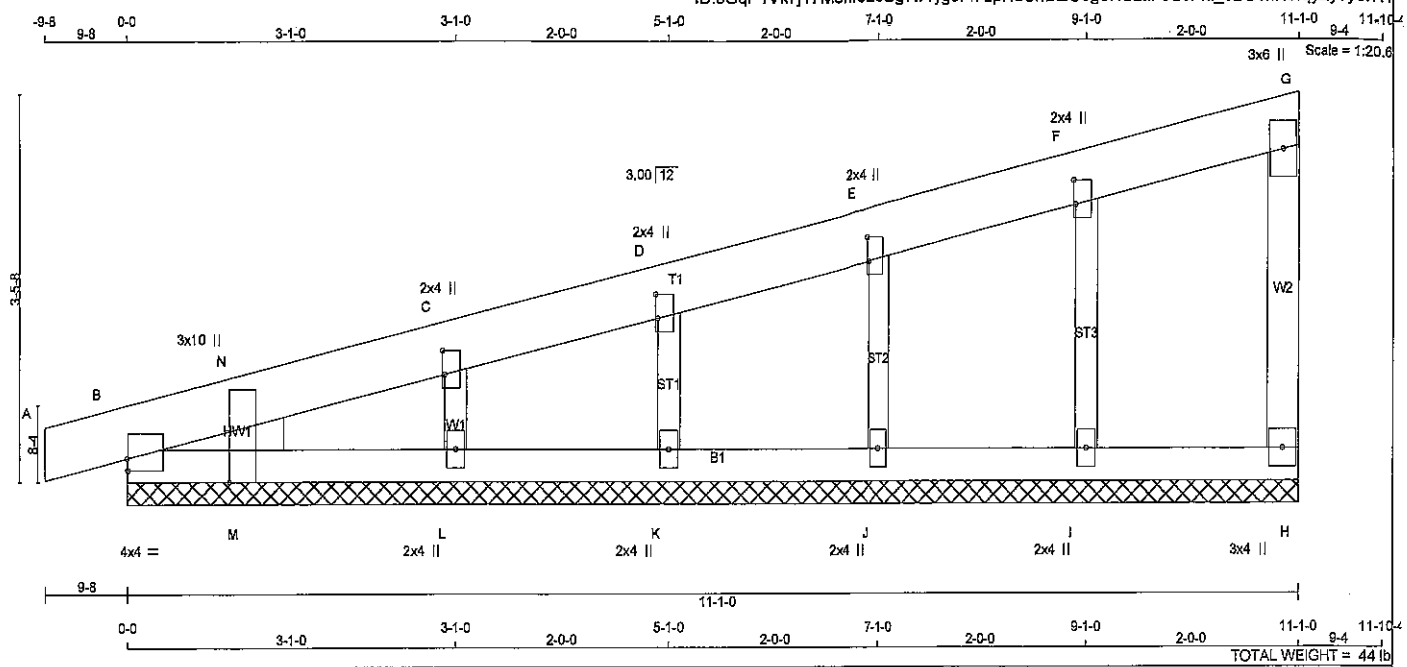
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.62 (F) (INPUT = 0.90)
JSI METAL= 0.44 (B) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	G202	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:24 2017 Page 1
ID:sGqP1Vk7j17Mom8E9Sg?w1yg0Fn-zpRuChBtsC5g3RUzaF3UcPlu_02GchN0rqyZy?yehYr



LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - G	2x6	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
B - H	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
ALL GABLE WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	4.0	4.0	1.25	
B	WP+I	MT20	3.0	10.0	Edge	11.50
C, D, E, F						
C	TMW+w	MT20	2.0	4.0	2.50	0.25
G	TMV+p	MT20	3.0	6.0		
H	BMV1+p	MT20	3.0	4.0		
I, J, K, L						
I	BMW1+w	MT20	2.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

HEEL
WEDGE
2x4 L
BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S)

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	-4 / 0	-84.3	-84.3	0.02 (1)	10.00	I- F	-185 / 0	0.03 (1)
B- N	-57 / 0	-84.3	-84.3	0.04 (1)	6.25	J- E	-171 / 0	0.03 (1)
N- C	-11 / 4	-84.3	-84.3	0.05 (1)	6.25	K- D	-138 / 0	0.02 (1)
C- D	-20 / 0	-84.3	-84.3	0.05 (1)	6.25	L- C	-256 / 0	0.04 (1)
D- E	-8 / 0	-84.3	-84.3	0.02 (1)	10.00	M- N	0 / 63	0.00 (1)
E- F	-4 / 0	-84.3	-84.3	0.02 (1)	10.00			
F- G	-4 / 0	-84.3	-84.3	0.02 (1)	10.00			
H- G	-72 / 0	0.0	0.0	0.01 (1)	7.81			
B- M	0 / 27	-28.0	-28.0	0.03 (1)	10.00			
M- L	0 / 27	-28.0	-28.0	0.04 (2)	10.00			
L- K	0 / 14	-28.0	-28.0	0.04 (2)	10.00			
K- J	0 / 9	-28.0	-28.0	0.02 (2)	10.00			
J- I	0 / 4	-28.0	-28.0	0.03 (2)	10.00			
I- H	0 / 0	-28.0	-28.0	0.03 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.05 (C-D:1) , BC=0.04 (L-M:2) , WB=0.04 (C-L:1) , SSI=0.09 (C-N:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE LEFT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1687	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.23 (C) (INPUT = 0.90)
JSI METAL= 0.05 (L) (INPUT = 1.00)

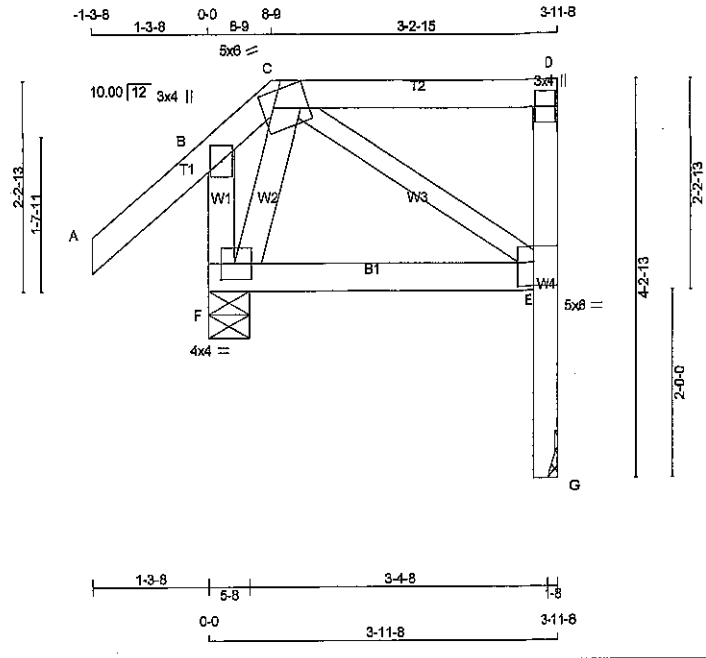
DWG NO. TAM46145-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T210	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:31 2017 Page 1

ID:x4nRtoTLWKGMdnOidXp93lytUaX-G9MXg4GGCM_hPWXJUDh7OuX2gqOPlsU2SP8Ri5yehYk



Scale = 1:24.6

TOTAL WEIGHT = 2 X 22 = 43 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
G - D	2x4	DRY	No.2	SPF
F - B	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF
C - E	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TTWW-m	MT20	5.0	6.0	2.00	1.50
D	TMV+p	MT20	3.0	4.0		
E	BVMW-l	MT20	5.0	6.0	3.00	2.50
F	BMVW1-t	MT20	4.0	4.0	2.00	1.75

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
G	202	0	202	0	0	IN-SX	IN-SX
						HANGER BY OTHERS	
						MIN. SEAT SIZE: 1-8	
F	359	0	359	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	169	89 / -12	42 / 0	0 / 0	0 / 0	38 / 0	0 / 0
F	275	185 / 0	42 / 0	0 / 0	0 / 0	49 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 6.25 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (5)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 37	-84.3	-84.3	0.12 (1)		10.00			
B- C	-66 / 0	-84.3	-84.3	0.11 (1)		6.25	C- E	-24 / 35	0.01 (5)
C- D	0 / 0	-84.3	-84.3	0.15 (1)		10.00			
G- E	-202 / 0	0.0	0.0	0.03 (1)		7.81			
E- D	-134 / 0	0.0	0.0	0.02 (1)		7.81			
F- B	-253 / 0	0.0	0.0	0.03 (1)		7.81			
F- E	-30 / 20	-28.0	-28.0	0.13 (3)		6.25	F- C	-54 / 81	0.01 (5)

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DWG NO. TAM 46002-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

DESIGN ASSUMPTIONS
-OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.02")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.03")

CSI: TC=0.15 (C-D:1) , BC=0.13 (E-F:3) , WB=0.01 (C-F:5) , SSI=0.10 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1557	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

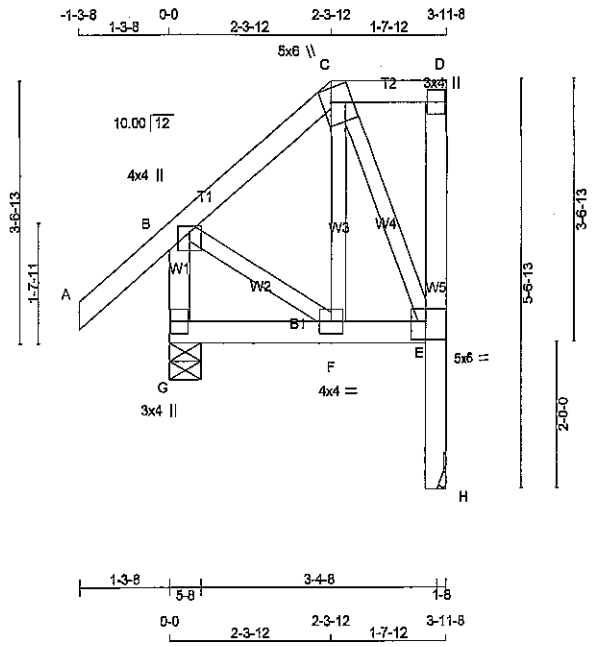
JSI GRIP= 0.18 (F) (INPUT = 0.90)
JSI METAL= 0.07 (C) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T211	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:31 2017 Page 1

ID:x4nRtoTLWKGMdnOidXp93lytUaX-G9MXg4GGCM_hPWXJUDh7OuX38qQtls82SP8Ri5yehYk



Scale = 1:31.5

TOTAL WEIGHT = 2 X 26 = 52 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
H - D	2x4	DRY	No.2	SPF
G - B	2x4	DRY	No.2	SPF
G - E	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTWW+m	MT20	5.0	6.0	2.25	1.50
D	TMV+p	MT20	3.0	4.0		
E	BVMW-I	MT20	5.0	6.0	3.00	2.50
F	BMWW-t	MT20	4.0	4.0		
G	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
H	222	0	222	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	
G	339	0	339	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	182	101 / 0	42 / 0	0 / 0	0 / 0	40 / 0	0 / 0
G	262	172 / 0	42 / 0	0 / 0	0 / 0	48 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (5)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 37	-84.3	-84.3	0.12 (1)	10.00		F- C	0 / 100	0.02 (3)
B- C	-90 / 0	-84.3	-84.3	0.06 (1)	6.25		C- E	-154 / 0	0.03 (1)
C- D	0 / 0	-84.3	-84.3	0.04 (1)	10.00		B- F	0 / 78	0.02 (1)
H- E	-222 / 0	0.0	0.0	0.03 (1)	7.81				
E- D	-69 / 0	0.0	0.0	0.02 (1)	7.81				
G- B	-309 / 0	0.0	0.0	0.03 (1)	7.81				
G- F	0 / 0	-28.0	-28.0	0.04 (2)	10.00				
F- E	0 / 70	-28.0	-28.0	0.04 (2)	10.00				

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DWG NO. TAM4608317
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.00")

CSI: TC=0.12 (A-B:1) , BC=0.04 (E-F:2) , WB=0.03 (C-E:1) , SSI=0.07 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1687	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

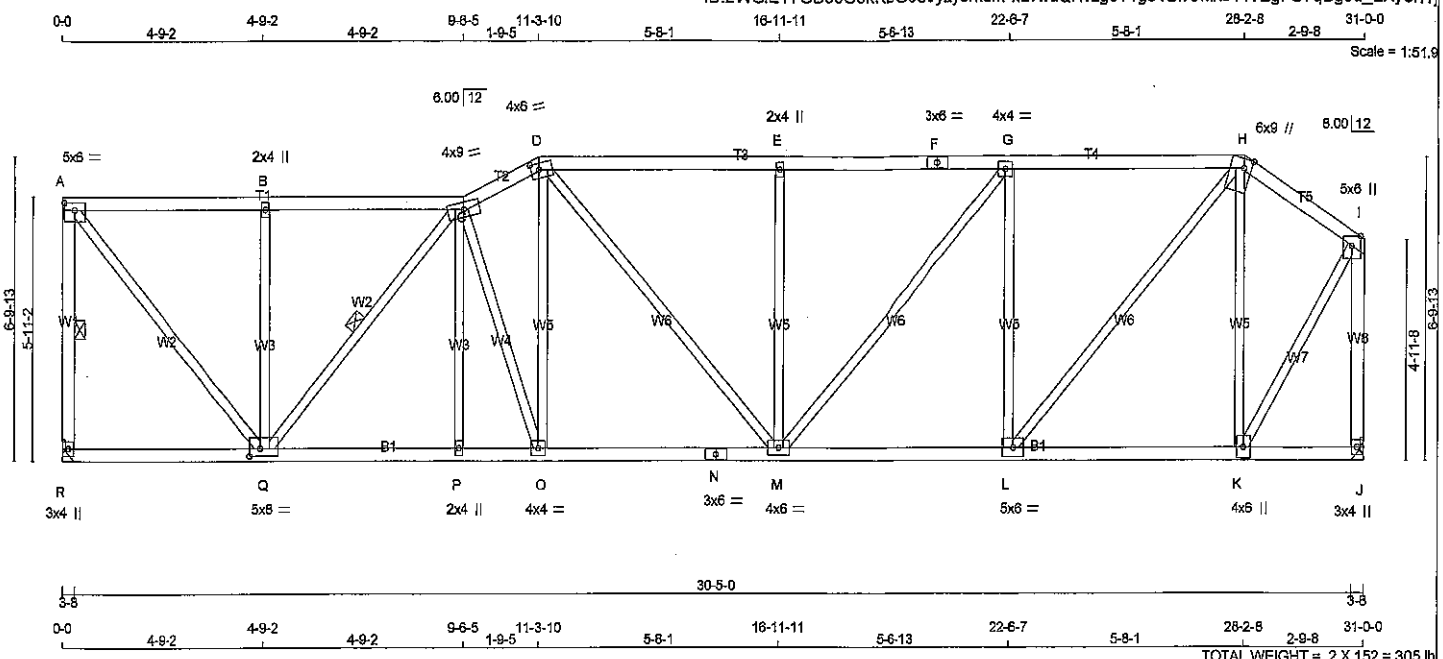
JSI GRIP= 0.23 (B) (INPUT = 0.90)
JSI METAL= 0.06 (B) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T240	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:32 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-kLvwuQHvzg6Y1g5V2wCMx544vEgFU7qBg3u_EXyehYj



TOTAL WEIGHT = 2 X 152 = 305 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
R - A	2x4	DRY	No.2	SPF
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
F - H	2x4	DRY	No.2	SPF
H - I	2x4	DRY	No.2	SPF
J - I	2x4	DRY	No.2	SPF
R - N	2x4	DRY	No.2	SPF
N - J	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	6.0	2.00	3.00
B	TMW+w	MT20	2.0	4.0		
C	TTWWW-m	MT20	4.0	9.0		
D	TTWW-m	MT20	4.0	6.0	1.75	2.25
E	TMW+w	MT20	2.0	4.0		
F	TS-t	MT20	3.0	6.0		
G	TMWW-t	MT20	4.0	4.0		
H	TTWW+m	MT20	6.0	9.0	Edge	2.00
I	TMVW+p	MT20	5.0	6.0	Edge	
J	BMV1+p	MT20	3.0	4.0		
K	BMWW+t	MT20	4.0	6.0		
L	BMWW-t	MT20	5.0	6.0		
M	BMWWW-t	MT20	4.0	6.0		
N	BS-t	MT20	3.0	6.0		
O	BMWW-t	MT20	4.0	4.0		
P	BMW+w	MT20	2.0	4.0		
Q	BMWWW-t	MT20	5.0	8.0	2.00	3.00
R	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
R	1740	0	1740	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	
J	1740	0	1740	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	1429	793 / 0	326 / 0	0 / 0	0 / 0	310 / 0	0 / 0
J	1429	793 / 0	326 / 0	0 / 0	0 / 0	310 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.20 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF A-R, C-Q.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
R-A	-1686 / 0	0.0	0.0	0.29 (1)	5.11
A-B	-1304 / 0	-84.3	-84.3	0.35 (1)	5.22
B-C	-1304 / 0	-84.3	-84.3	0.35 (1)	5.22
C-D	-2146 / 0	-84.3	-84.3	0.09 (1)	4.58
D-E	-2096 / 0	-84.3	-84.3	0.47 (1)	4.21
E-F	-2096 / 0	-84.3	-84.3	0.47 (1)	4.20
F-G	-2096 / 0	-84.3	-84.3	0.47 (1)	4.20
G-H	-1690 / 0	-84.3	-84.3	0.44 (1)	4.62
H-I	-849 / 0	-84.3	-84.3	0.12 (1)	6.25
J-I	-1720 / 0	0.0	0.0	0.75 (1)	6.35
R-Q	0 / 0	-28.0	-28.0	0.17 (3)	10.00
Q-P	0 / 2041	-28.0	-28.0	0.41 (1)	10.00
P-O	0 / 2040	-28.0	-28.0	0.40 (1)	10.00
O-N	0 / 1927	-28.0	-28.0	0.40 (2)	10.00
N-M	0 / 1927	-28.0	-28.0	0.40 (2)	10.00
M-L	0 / 1690	-28.0	-28.0	0.37 (2)	10.00
L-K	0 / 689	-28.0	-28.0	0.25 (2)	10.00
K-J	0 / 0	-28.0	-28.0	0.14 (2)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A-Q	0 / 2010	0.45 (1)
Q-B	-493 / 0	0.27 (1)
Q-C	-1147 / 0	0.41 (1)
P-C	0 / 109	0.02 (3)
C-O	-380 / 0	0.23 (1)
O-D	0 / 493	0.11 (1)
K-H	-991 / 0	0.77 (1)
K-I	0 / 1331	0.30 (1)
L-H	0 / 1524	0.34 (1)
D-M	0 / 258	0.06 (1)
L-G	-992 / 0	0.77 (1)
M-E	-514 / 0	0.40 (1)
M-G	0 / 626	0.14 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.03")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.13")
ALLOWABLE DEFL.(TL)= L/360 (1.03")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.21")

CSI: TC=0.75 (I-J:1) , BC=0.41 (P-Q:1) , WB=0.77 (G-L:1) , SSI=0.22 (G-H:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (O) (INPUT = 0.90)
JSI METAL= 0.67 (C) (INPUT = 1.00)

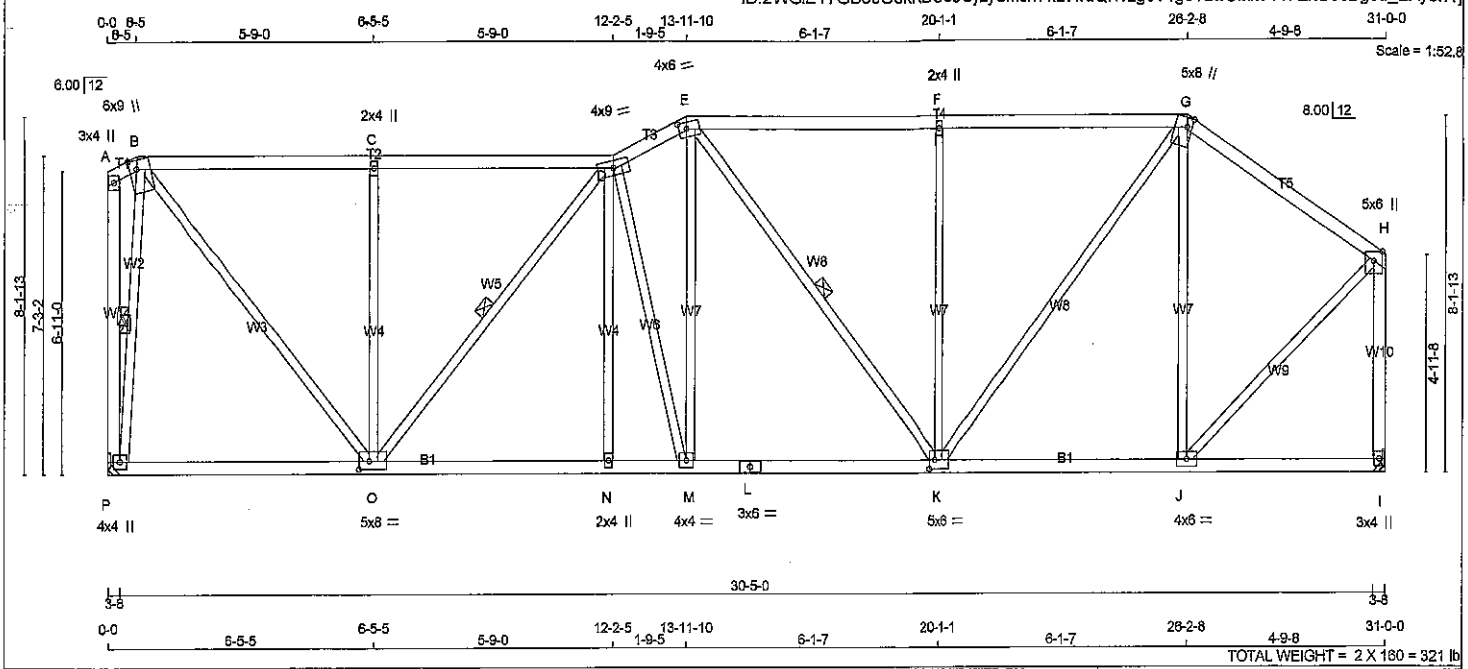
DWG NO. TAM46084-17
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T241	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:32 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-kLvwuQHvzg6Y1g5V2wCMx5447EftU5sBg3u_EXyehYj



[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - B	2x4	DRY	No.2	SPF
B - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
G - H	2x4	DRY	No.2	SPF
P - A	2x4	DRY	No.2	SPF
I - H	2x4	DRY	No.2	SPF
P - L	2x4	DRY	No.2	SPF
L - I	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TTWW+m	MT20	6.0	9.0	2.50	2.00
C	TMW+w	MT20	2.0	4.0		
D	TTWWW-m	MT20	4.0	9.0		
E	TTWW-m	MT20	4.0	6.0	1.75	2.25
F	TMW+w	MT20	2.0	4.0		
G	TTWW+m	MT20	5.0	6.0	2.50	1.50
H	TMVW+p	MT20	5.0	6.0	Edge	
I	BMV1+p	MT20	3.0	4.0		
J	BMWW-t	MT20	4.0	6.0		
K	BMWWW-t	MT20	5.0	6.0	2.50	1.50
L	BS-t	MT20	3.0	6.0		
M	BMWW-t	MT20	4.0	4.0		
N	BMW+w	MT20	2.0	4.0		
O	BMWWW-t	MT20	5.0	8.0	2.25	3.00
P	BMVW1+p	MT20	4.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
P	1740	0	1740	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	
I	1740	0	1740	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	1429	793 / 0	326 / 0	0 / 0	0 / 0	310 / 0	0 / 0
I	1429	793 / 0	326 / 0	0 / 0	0 / 0	310 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.37 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF D-O, E-K, A-P, B-P.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 0	-84.3	-84.3	0.01 (1)	10.00
B- C	-1338 / 0	-84.3	-84.3	0.52 (1)	4.89
C- D	-1338 / 0	-84.3	-84.3	0.52 (1)	4.89
D- E	-1902 / 0	-84.3	-84.3	0.08 (1)	4.82
E- F	-1624 / 0	-84.3	-84.3	0.63 (1)	4.37
F- G	-1624 / 0	-84.3	-84.3	0.63 (1)	4.37
G- H	-1107 / 0	-84.3	-84.3	0.37 (1)	5.53
P- A	-29 / 0	0.0	0.0	0.01 (1)	6.25
I- H	-1689 / 0	0.0	0.0	0.74 (1)	6.39
P- O	0 / 164	-28.0	-28.0	0.30 (2)	10.00
O- N	0 / 1852	-28.0	-28.0	0.50 (2)	10.00
N- M	0 / 1851	-28.0	-28.0	0.38 (1)	10.00
M- L	0 / 1710	-28.0	-28.0	0.41 (2)	10.00
L- K	0 / 1710	-28.0	-28.0	0.41 (2)	10.00
K- J	0 / 911	-28.0	-28.0	0.32 (2)	10.00
J- I	0 / 0	-28.0	-28.0	0.20 (2)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
O- C	-597 / 0	0.55 (1)
O- D	-806 / 0	0.45 (1)
N- D	0 / 128	0.03 (3)
D- M	-573 / 0	0.58 (1)
M- E	0 / 686	0.15 (1)
E- K	-140 / 0	0.10 (1)
K- F	-634 / 0	0.82 (1)
K- G	0 / 1160	0.25 (1)
J- G	-700 / 0	0.90 (1)
J- H	0 / 1267	0.29 (1)
P- B	-1646 / 0	0.55 (1)
B- O	0 / 1845	0.42 (1)

DWG NO. T AM46085-17

STRUCTURAL COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.03")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.11")
ALLOWABLE DEFL.(TL)= L/360 (1.03")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.18")

CSI: TC=0.74 (H-I:1) , BC=0.50 (N-O:2) , WB=0.90 (G-J:1) , SSI=0.25 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

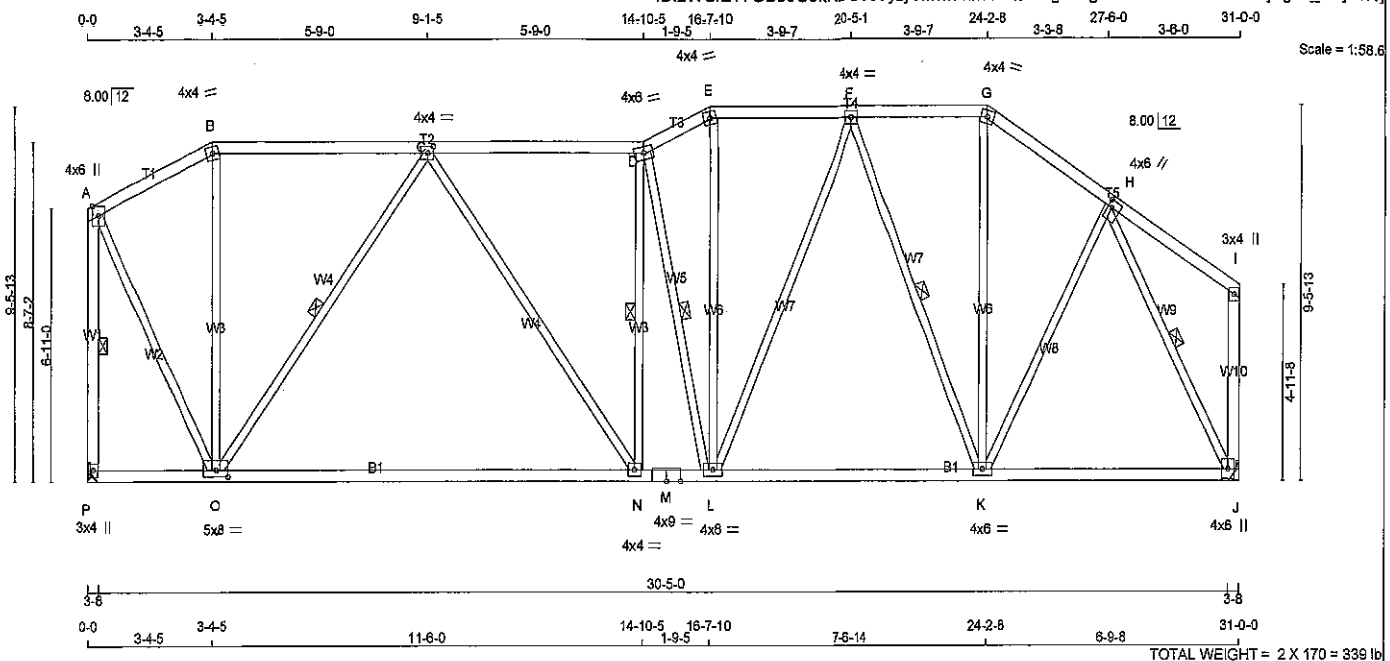
JSI GRIP= 0.89 (K) (INPUT = 0.90)
JSI METAL= 0.54 (D) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T242	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:32 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-kLvwuQHvzg6Y1g5V2wCMx547wEanU5jBg3u_EXyehYj



LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - B	2x4	DRY	No.2	SPF
B - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
G - I	2x4	DRY	No.2	SPF
P - A	2x4	DRY	No.2	SPF
J - I	2x4	DRY	No.2	SPF
P - M	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	6.0	Edge	
B, E, G						
B	TTW-m	MT20	4.0	4.0		
C	TMWW-t	MT20	4.0	4.0	2.00	1.75
D	TTWW-m	MT20	4.0	6.0		
F	TMWW-t	MT20	4.0	4.0		
H	TMWW+t	MT20	4.0	6.0	2.25	1.25
I	TMV+p	MT20	3.0	4.0		
J	BMVW1+p	MT20	4.0	6.0		
K	BMWWW-t	MT20	4.0	6.0		
L	BMWWW-t	MT20	4.0	6.0		
M	BS-t	MT20	4.0	9.0		
N	BMWW-t	MT20	4.0	4.0		
O	BMWWW-t	MT20	5.0	8.0	2.00	4.00
P	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
P	1740	0	1740	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	
J	1740	0	1740	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	1429	793 / 0	326 / 0	0 / 0	0 / 0	310 / 0	0 / 0
J	1429	793 / 0	326 / 0	0 / 0	0 / 0	310 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.46 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF C-O, D-N, D-L, F-K, A-P, H-J.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX. CSI (LC)	MAX. UNBRAC LENGTH
A- B	-752 / 0	-84.3	-84.3	0.17 (1)		6.25
B- C	-672 / 0	-84.3	-84.3	0.49 (1)		6.25
C- D	-1651 / 0	-84.3	-84.3	0.56 (1)		4.46
D- E	-1630 / 0	-84.3	-84.3	0.07 (1)		5.13
E- F	-1464 / 0	-84.3	-84.3	0.21 (1)		5.17
F- G	-1032 / 0	-84.3	-84.3	0.20 (1)		5.93
G- H	-1254 / 0	-84.3	-84.3	0.16 (1)		5.56
H- I	0 / 17	-84.3	-84.3	0.14 (1)		10.00
P- A	-1762 / 0	0.0	0.0	0.39 (1)		5.03
J- I	-111 / 0	0.0	0.0	0.05 (1)		7.81
P- O	0 / 0	-28.0	-28.0	0.59 (3)		10.00
O- N	0 / 1365	-28.0	-28.0	0.78 (2)		10.00
N- M	0 / 1652	-28.0	-28.0	0.83 (2)		10.00
M- L	0 / 1652	-28.0	-28.0	0.83 (2)		10.00
L- K	0 / 1325	-28.0	-28.0	0.53 (2)		10.00
K- J	0 / 761	-28.0	-28.0	0.47 (2)		10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
O- B	0 / 158	0.04 (3)
O- C	-1233 / 0	0.91 (1)
C- N	0 / 508	0.11 (1)
N- D	-134 / 167	0.06 (1)
D- L	-877 / 0	0.44 (1)
L- E	0 / 527	0.12 (1)
L- F	0 / 375	0.08 (1)
F- K	-787 / 0	0.58 (1)
K- G	0 / 447	0.10 (1)
K- H	0 / 584	0.13 (1)
A- O	0 / 1448	0.33 (1)
H- J	-1731 / 0	0.68 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	48.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.03")
CALCULATED VERT. DEFL.(LL) = L/ 981 (0.38")
ALLOWABLE DEFL.(TL)= L/360 (1.03")
CALCULATED VERT. DEFL.(TL) = L/ 592 (0.63")

CSI: TC=0.56 (C-D:1) , BC=0.83 (L-N:2) , WB=0.91 (C-O:1) , SSI=0.24 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE LEFT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1867	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (H) (INPUT = 0.90)
JSI METAL= 0.68 (M) (INPUT = 1.00)

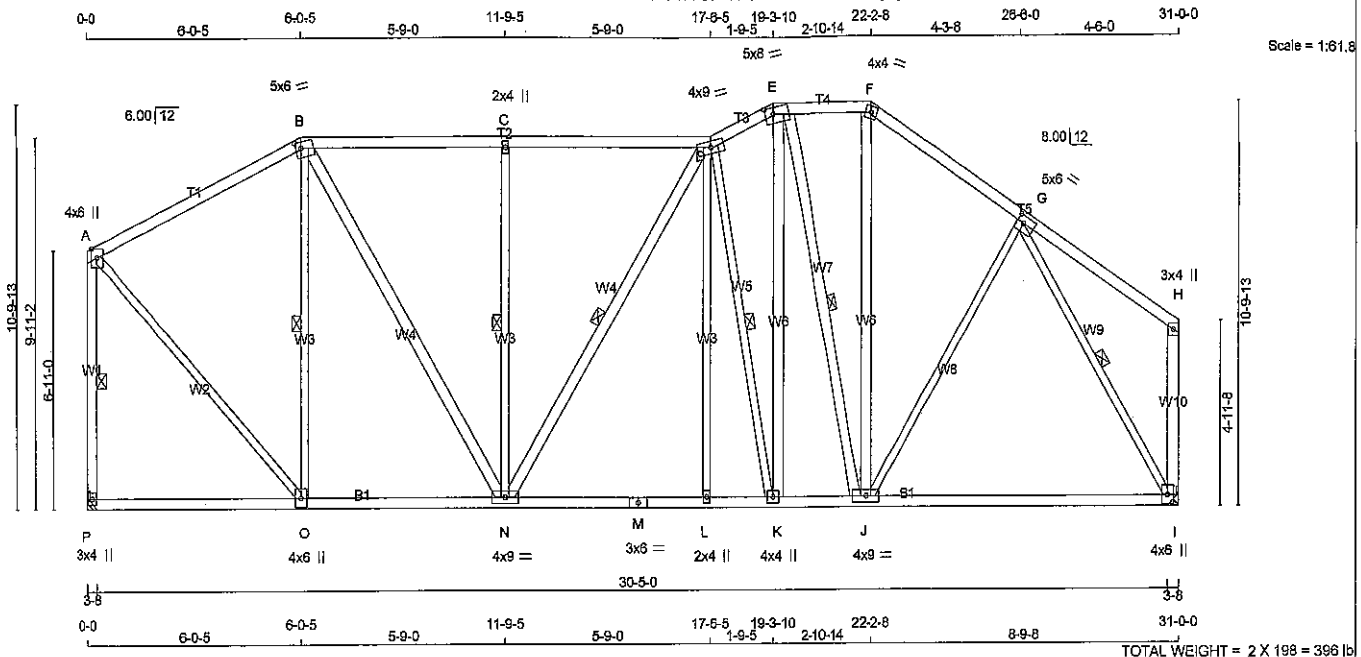
DWG NO. TAM 4609617
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T243	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:33 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-DXTI5mlXkzEPeqghcekbTJcK0eyIDZDLvjdYmzyehYi



TOTAL WEIGHT = 2 X 198 = 396 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - B	2x4	DRY	No.2	SPF
B - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - F	2x4	DRY	No.2	SPF
F - H	2x4	DRY	No.2	SPF
P - A	2x4	DRY	No.2	SPF
I - H	2x4	DRY	No.2	SPF
P - M	2x4	DRY	No.2	SPF
M - I	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
B - N	2x4	DRY	No.2	SPF
N - D	2x4	DRY	No.2	SPF
K - E	2x4	DRY	No.2	SPF
E - J	2x4	DRY	No.2	SPF
J - F	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	6.0	Edge	
B	TTWW-m	MT20	5.0	6.0	2.00	1.75
C	TMW+w	MT20	2.0	4.0		
D	TTWWW-m	MT20	4.0	9.0		
E	TTWW-m	MT20	5.0	8.0	2.00	2.75
F	TTW-m	MT20	4.0	4.0		
G	TMWW-t	MT20	5.0	6.0	2.25	2.25
H	TMV+p	MT20	3.0	4.0		
I	BMVW1+p	MT20	4.0	6.0		
J	BMWWW-t	MT20	4.0	9.0		
K	BMWW+t	MT20	4.0	4.0		
L	BMW+w	MT20	2.0	4.0		
M	BS-t	MT20	3.0	6.0		
N	BMWWW-t	MT20	4.0	9.0		
O	BMWW+t	MT20	4.0	6.0		
P	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
P	1740	0	1740	0	0	IN-SX	IN-SX
						HANGER BY OTHERS	
						MIN. SEAT SIZE: 3-8	
I	1740	0	1740	0	0	HANGER BY OTHERS	
						MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	1429	793 / 0	326 / 0	0 / 0	0 / 0	310 / 0	0 / 0
I	1429	793 / 0	326 / 0	0 / 0	0 / 0	310 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.11 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF B-O, C-N, D-N, D-K, E-J, A-P, G-I.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	-1004 / 0	-84.3	-84.3	0.41 (1)	5.69
B- C	-1360 / 0	-84.3	-84.3	0.38 (1)	5.11
C- D	-1360 / 0	-84.3	-84.3	0.38 (1)	5.11
D- E	-1327 / 0	-84.3	-84.3	0.05 (1)	5.58
E- F	-1073 / 0	-84.3	-84.3	0.10 (1)	5.99
F- G	-1308 / 0	-84.3	-84.3	0.22 (1)	5.42
G- H	0 / 24	-84.3	-84.3	0.26 (1)	10.00
P- A	-1671 / 0	0.0	0.0	0.37 (1)	5.14
I- H	-141 / 0	0.0	0.0	0.05 (1)	7.81
P- O	0 / 0	-28.0	-28.0	0.25 (2)	10.00
O- N	0 / 889	-28.0	-28.0	0.35 (2)	10.00
N- M	0 / 1382	-28.0	-28.0	0.33 (2)	10.00
M- L	0 / 1382	-28.0	-28.0	0.33 (2)	10.00
L- K	0 / 1380	-28.0	-28.0	0.29 (1)	10.00
K- J	0 / 1199	-28.0	-28.0	0.68 (2)	10.00
J- I	0 / 868	-28.0	-28.0	0.84 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
O- B	-779 / 0	0.52 (1)
B- N	0 / 919	0.15 (1)
N- C	-597 / 0	0.40 (1)
N- D	-54 / 0	0.04 (2)
L- D	0 / 273	0.05 (3)
D- K	-987 / 0	0.69 (1)
K- E	0 / 879	0.14 (1)
E- J	-498 / 0	0.31 (1)
J- F	0 / 447	0.07 (1)
J- G	0 / 384	0.09 (1)
A- O	0 / 1319	0.30 (1)
G- I	-1733 / 0	0.89 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.03")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.23")
ALLOWABLE DEFL.(TL)= L/360 (1.03")
CALCULATED VERT. DEFL.(TL) = L/ 969 (0.38")

CSI: TC=0.41 (A-B:1) , BC=0.68 (J-K:2) , WB=0.89 (G-I:1) , SSI=0.23 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE LEFT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1867	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (G) (INPUT = 0.90)
JSI METAL= 0.46 (M) (INPUT = 1.00)

DWG NO. TAM 46087 1

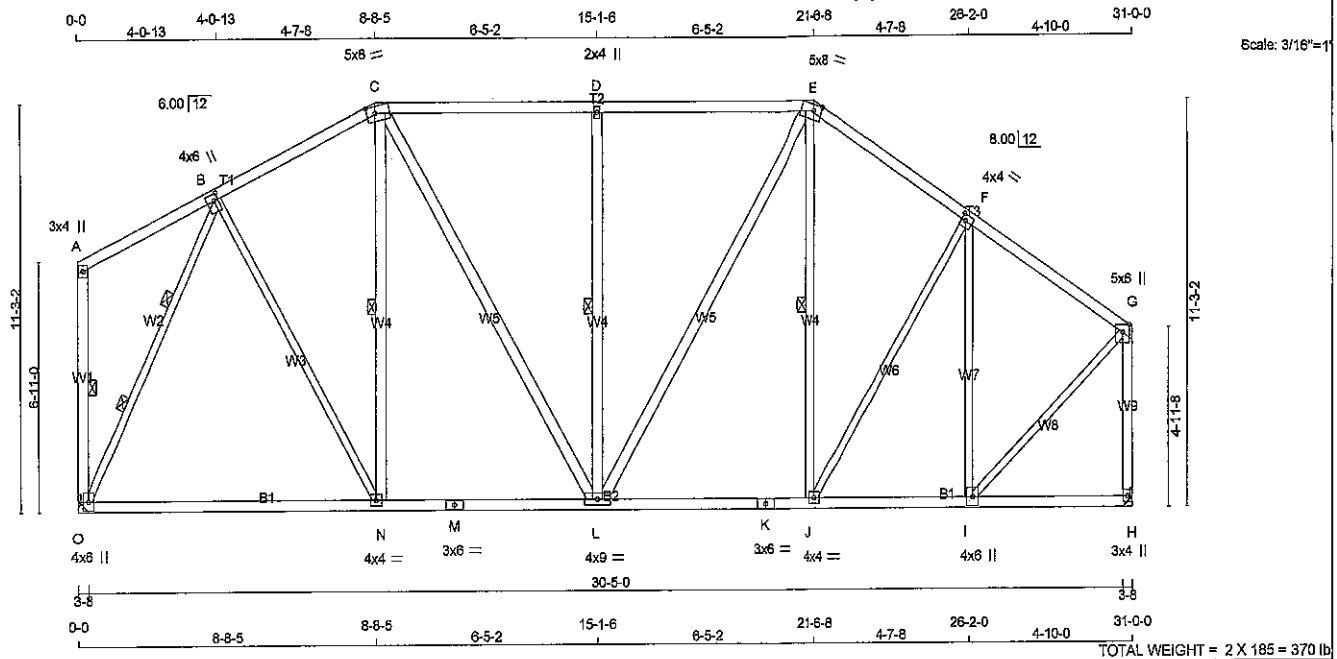
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T244	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:33 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-DXTI5mIXkzEPeqghcekbTJcFvezYDXhLvjdYmzyehYj



[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
O - A	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
O - M	2x4	DRY	No.2	SPF
M - K	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF
B - N	2x3	DRY	No.2	SPF
J - F	2x3	DRY	No.2	SPF
I - F	2x3	DRY	No.2	SPF
O - B	2x3	DRY	No.2	SPF
I - G	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWW+t	MT20	4.0	6.0	2.25	1.50
C	TTWW-m	MT20	5.0	8.0	2.25	3.00
D	TMW+w	MT20	2.0	4.0		
E	TTWW-m	MT20	5.0	8.0	2.00	3.00
F	TMWW-t	MT20	4.0	4.0	2.00	1.50
G	TMWW+p	MT20	5.0	6.0	Edge	
H	BMV1+p	MT20	3.0	4.0		
I	BMWW+t	MT20	4.0	6.0		
J	BMWW-t	MT20	4.0	4.0		
K	BS-t	MT20	3.0	6.0		
L	BMWWW-t	MT20	4.0	9.0		
M	BS-t	MT20	3.0	6.0		
N	BMWW-t	MT20	4.0	4.0		
O	BMWW1+p	MT20	4.0	6.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
O	1740	0	1740	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	
H	1740	0	1740	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1429	793 / 0	325 / 0	0 / 0	0 / 0	310 / 0	0 / 0
H	1429	793 / 0	325 / 0	0 / 0	0 / 0	310 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.10 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF C-N, D-L, E-J, A-O.
2 LATERAL BRACE(S) AT 1/ 3 LENGTH OF B-O.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

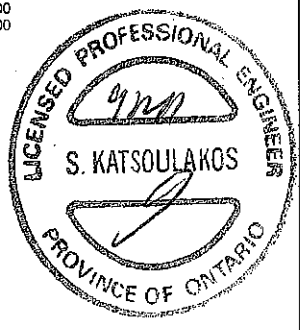
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM (PLF)	TO	MAX. CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 22	-84.3	-84.3	0.27 (1)	10.00
B- C	-1158 / 0	-84.3	-84.3	0.23 (1)	5.67
C- D	-1273 / 0	-84.3	-84.3	0.48 (1)	5.10
D- E	-1273 / 0	-84.3	-84.3	0.48 (1)	5.10
E- F	-1294 / 0	-84.3	-84.3	0.27 (1)	5.38
F- G	-1103 / 0	-84.3	-84.3	0.26 (1)	5.73
O- A	-118 / 0	0.0	0.0	0.03 (1)	6.25
H- G	-1684 / 0	0.0	0.0	0.74 (1)	6.40
O- N	0 / 701	-28.0	-28.0	0.58 (2)	10.00
N- M	0 / 1012	-28.0	-28.0	0.60 (2)	10.00
M- L	0 / 1012	-28.0	-28.0	0.60 (2)	10.00
L- K	0 / 1052	-28.0	-28.0	0.31 (2)	10.00
K- J	0 / 1052	-28.0	-28.0	0.31 (2)	10.00
J- I	0 / 940	-28.0	-28.0	0.30 (2)	10.00
I- H	0 / 0	-28.0	-28.0	0.14 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
B- N	0 / 639	0.14 (1)
N- C	-299 / 67	0.20 (1)
C- L	0 / 515	0.08 (1)
L- D	-669 / 0	0.44 (1)
L- E	0 / 436	0.07 (1)
J- E	-24 / 170	0.03 (3)
J- F	0 / 218	0.05 (1)
I- F	-760 / 0	0.99 (1)
O- B	-1675 / 0	0.95 (1)
I- G	0 / 1302	0.29 (1)



DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.03")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.24")
ALLOWABLE DEFL.(TL)= L/360 (1.03")
CALCULATED VERT. DEFL.(TL) = L/ 946 (0.39")

CSI: TC=0.74 (G-H:1) , BC=0.60 (L-N:2) , WB=0.99 (F-I:1) , SSI=0.28 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

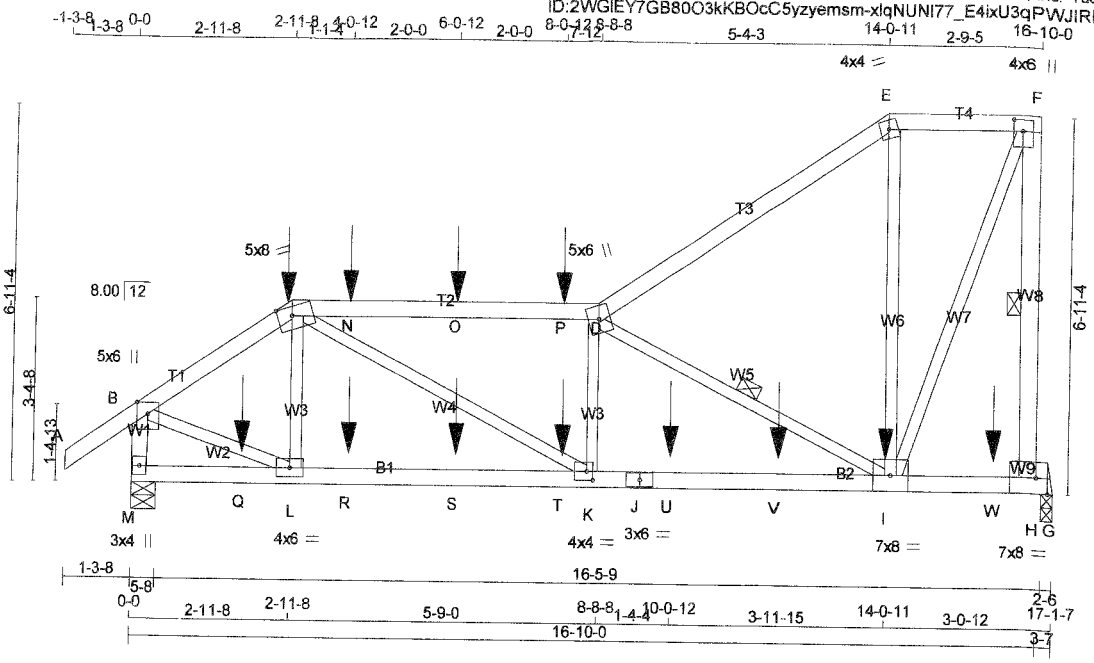
JSI GRIP= 0.90 (I) (INPUT = 0.90)
JSI METAL= 0.46 (B) (INPUT = 1.00)

DWG NO. TAM46888-17
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286072	T245S	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Tue Jun 19 15:12:38 2018 Page 1
ID:2WGIEY7GB80O3kKBOcC5yzyemsm-xlqNUNI77_E4ixU3qPWJIRPuPr4csbC7wDK96Yz4htN



TOTAL WEIGHT = 79 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - F	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
M - B	2x4	DRY	No.2	SPF
M - J	2x4	DRY	2100F 1.8E	SPF
J - G	2x4	DRY	2100F 1.8E	SPF
H - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TTWW-m	MT20	5.0	8.0	2.00	3.25
D	TTWW+m	MT20	5.0	6.0		
E	TTW-m	MT20	4.0	4.0		
F	TMVW+p	MT20	4.0	6.0	2.50	2.00
H	BMVW-t	MT20	7.0	8.0	Edge	2.50
I	BMWWW-t	MT20	7.0	8.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	4.0	2.00	1.50
L	BMWW-t	MT20	4.0	6.0		
M	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 75.0 lbs FACTORED DOWN AT 2-11-8, 9.4 lbs FACTORED DOWN AT 4-0-12, AND 9.4 lbs FACTORED DOWN AT 6-0-12, AND 24.4 lbs FACTORED DOWN AT 8-0-12 ON TOP CHORD, AND 14.8 lbs FACTORED DOWN AT 2-0-12, 14.8 lbs FACTORED DOWN AT 4-0-12, 14.8 lbs FACTORED DOWN AT 6-0-12, 14.8 lbs FACTORED DOWN AT 8-0-12, 173.8 lbs FACTORED DOWN AT 10-0-12, 194.2 lbs FACTORED DOWN AT 12-0-12, AND 194.2 lbs FACTORED DOWN AT 14-0-12, AND 194.2 lbs FACTORED DOWN AT 16-0-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

T1000547-1

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
M	1363	0	1363	0	0	IN-SX	IN-SX
G	1559	0	1559	0	0	5-8	5-8
						2-6	2-6

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1090	652 / 0	217 / 0	0 / 0	0 / 0	222 / 0	0 / 0
G	1248	744 / 0	250 / 0	0 / 0	0 / 0	254 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) M, G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.83 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-H, D-I.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX (PLF) CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 32	-84.3	-84.3	0.12 (1)	10.00
B- C	-1281 / 0	-84.3	-84.3	0.16 (1)	5.49
C- N	-1985 / 0	-84.3	-84.3	0.71 (1)	3.83
N- O	-1985 / 0	-84.3	-84.3	0.71 (1)	3.83
O- P	-1985 / 0	-84.3	-84.3	0.71 (1)	3.83
P- D	-1985 / 0	-84.3	-84.3	0.71 (1)	3.83
D- E	-744 / 0	-84.3	-84.3	0.49 (1)	6.14
E- F	-620 / 0	-84.3	-84.3	0.13 (1)	6.25
H- F	-1656 / 0	0.0	0.0	0.38 (1)	5.12
M- B	-1329 / 0	0.0	0.0	0.15 (1)	6.99
M- Q	0 / 0	-28.0	-28.0	0.10 (3)	10.00
Q- L	0 / 0	-28.0	-28.0	0.10 (3)	10.00
L- R	0 / 1055	-28.0	-28.0	0.25 (2)	10.00
R- S	0 / 1055	-28.0	-28.0	0.25 (2)	10.00
S- T	0 / 1055	-28.0	-28.0	0.25 (2)	10.00
T- K	0 / 1055	-28.0	-28.0	0.25 (2)	10.00
K- J	0 / 1989	-28.0	-28.0	0.47 (1)	10.00
J- U	0 / 1989	-28.0	-28.0	0.47 (1)	10.00
U- V	0 / 1989	-28.0	-28.0	0.47 (1)	10.00
V- I	0 / 1989	-28.0	-28.0	0.47 (1)	10.00
I- W	0 / 0	-28.0	-28.0	0.44 (1)	10.00
W- H	0 / 0	-28.0	-28.0	0.44 (1)	10.00
H- G	0 / 0	-28.0	-28.0	0.28 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
L- C	-248 / 79	0.05 (1)
C- K	0 / 1058	0.26 (1)
K- D	-138 / 144	0.04 (3)
D- I	-1572 / 0	0.46 (1)
I- E	0 / 154	0.04 (3)
I- F	0 / 1663	0.41 (1)
B- L	0 / 1128	0.28 (1)

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	2-11-8	-6	-6	---	FRONT	VERT	DEAD
C	2-11-8	-45	-45	---	FRONT	VERT	SNOW
I	14-0-12	-147	-147	---	BACK	VERT	TOTAL
N	4-0-12	-6	-6	---	BACK	VERT	TOTAL
O	6-0-12	-6	-6	---	BACK	VERT	TOTAL
P	8-0-12	-17	-17	---	BACK	VERT	TOTAL
Q	2-0-12	-11	-11	---	BACK	VERT	TOTAL
R	4-0-12	-11	-11	---	BACK	VERT	TOTAL

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 6.00/12

*** NON STANDARD GIRDER ***
ADDT'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.57")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.12")
ALLOWABLE DEFL.(TL)= L/360 (0.57")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.19")

CSI: TC=0.71/1.00 (C-D:1) , BC=0.47/1.00 (I-K:1) , WB=0.46/1.00 (D-I:1) , SSI=0.67/1.00 (G-H:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

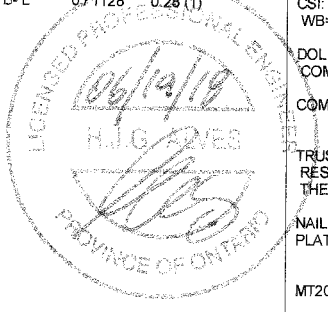
NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (I) (INPUT = 0.90)
JSI METAL= 0.62 (J) (INPUT = 1.00)



CONTINUED ON PAGE 2

SPECIFIED CONCENTRATED LOADS (LBS)

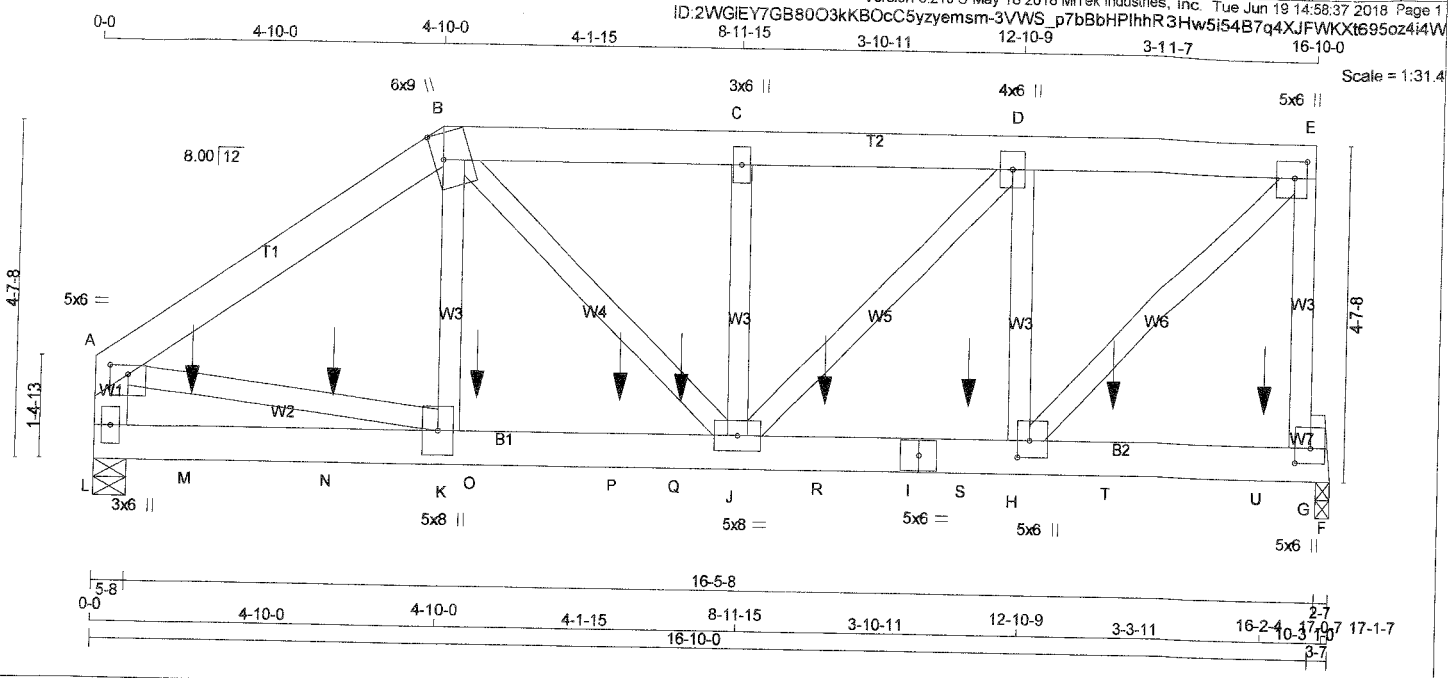
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
S	6-0-12	-11	-11	---	BACK	VERT	TOTAL
T	8-0-12	-11	-11	---	BACK	VERT	TOTAL
U	10-0-12	-134	-134	---	BACK	VERT	TOTAL
V	12-0-12	-147	-147	---	BACK	VERT	TOTAL
W	16-0-12	-147	-147	---	BACK	VERT	TOTAL

T1800547-2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286072	T246	1	4	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.210 S May 18 2018 MiTek Industries, Inc. Tue Jun 19 14:58:37 2018 Page 1
ID:2WGlEY7GB80O3kKBOcC5yzyemsm-3VWS_p7bBbHPIhhR3Hw5i54B7q4XJFWKXt695oz4i4W



TOTAL WEIGHT = 4 X 104 = 418 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - B	2x6	DRY	No.2	SPF
B - E	2x6	DRY	No.2	SPF
G - E	2x4	DRY	No.2	SPF
L - A	2x6	DRY	No.2	SPF
L - I	2x6	DRY	2100F 1.8E	SPF
I - F	2x6	DRY	2100F 1.8E	SPF
G - F	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 4 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- B	2	12	TOP
B- E	2	12	TOP
L- A	2	12	TOP
E- G	1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
L- I	2	4	SIDE(1230.7)
I- F	2	6	SIDE(595.8)
WEBS : (0.122"X3") SPIRAL NAILS			
2x4	1	5	
J- B	1	6	
C- J	1	6	
J- D	1	6	
D- H	1	6	
H- E	1	6	
K- A	1	6	
2x6	2	6	

STAGGER NAILS BY HALF THE SURFACE SPACING IN ADJACENT PLIES.

IN ADDITION, PRE-DRILL ONE 0.56" DIAM. HOLE IN EACH CHORD PANEL AND INSTALL 0.50" DIAM. ASTM A307 BOLTS WITH WASHERS, BOTH SIDES. FOR OTHER BOLT TYPES SEE CSAO86 3.3.2.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	1.50	3.00
B	TTWW+m	MT20	6.0	9.0	4.25	1.50
C	TMW+w	MT20	3.0	6.0		
D	TMWW+t	MT20	4.0	6.0		
E	TMVW+p	MT20	5.0	6.0	2.75	2.00
G	BMVW+p	MT20	5.0	6.0	2.50	2.50
H	BMWW+t	MT20	5.0	6.0	2.75	2.00
I	BS-t	MT20	5.0	6.0		
J	BMWWW-t	MT20	5.0	8.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
L	8874	0	8874	0	0	5-8	5-8
F	8889	0	8889	0	0	2-7	2-7

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	7184	4153 / 0	1527 / 0	0 / 0	0 / 0	1505 / 0	0 / 0
F	7231	4124 / 0	1574 / 0	0 / 0	0 / 0	1533 / 0	0 / 0

BEARING MATERIAL TO BE SPF 2100F 1.8E OR BETTER AT JOINT(S) L
BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.94 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	-10063 / 0	-84.3	-84.3	0.09 (1)	4.94
B- C	-9831 / 0	-84.3	-84.3	0.08 (1)	5.00
C- D	-9831 / 0	-84.3	-84.3	0.08 (1)	5.00
D- E	-7360 / 0	-84.3	-84.3	0.06 (1)	5.61
G- E	-7946 / 0	0.0	0.0	0.68 (1)	5.55
L- A	-7317 / 0	0.0	0.0	0.13 (1)	7.09
L- M	0 / 0	-28.0	-28.0	0.25 (1)	10.00
M- N	0 / 0	-28.0	-28.0	0.25 (1)	10.00
N- K	0 / 0	-28.0	-28.0	0.25 (1)	10.00
K- O	0 / 8489	-28.0	-28.0	0.36 (1)	10.00
O- P	0 / 8489	-28.0	-28.0	0.36 (1)	10.00
P- Q	0 / 8489	-28.0	-28.0	0.36 (1)	10.00
Q- J	0 / 8489	-28.0	-28.0	0.36 (1)	10.00
J- R	0 / 7360	-28.0	-28.0	0.31 (1)	10.00
R- I	0 / 7360	-28.0	-28.0	0.31 (1)	10.00
I- S	0 / 7360	-28.0	-28.0	0.31 (1)	10.00
S- H	0 / 7360	-28.0	-28.0	0.31 (1)	10.00
H- T	0 / 0	-28.0	-28.0	0.35 (1)	10.00
T- U	0 / 0	-28.0	-28.0	0.35 (1)	10.00
U- G	0 / 0	-28.0	-28.0	0.35 (1)	10.00
G- F	0 / 0	-28.0	-28.0	0.20 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
K- B	0 / 3830	0.15 (1)
B- J	0 / 1893	0.08 (1)
J- C	-281 / 9	0.01 (1)
J- D	0 / 3620	0.15 (1)
H- D	-2946 / 0	0.14 (1)
H- E	0 / 10693	0.43 (1)
A- K	0 / 8489	0.34 (1)

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
M	1-4-4	-1471	-1471	---	FRONT	VERT	TOTAL
N	3-4-4	-1471	-1471	---	FRONT	VERT	TOTAL
O	5-4-4	-1471	-1471	---	FRONT	VERT	TOTAL
P	7-4-4	-1471	-1471	---	FRONT	VERT	TOTAL
Q	8-2-4	-1394	-1394	---	FRONT	VERT	TOTAL
R	10-2-4	-1394	-1394	---	FRONT	VERT	TOTAL
S	12-2-4	-1394	-1394	---	FRONT	VERT	TOTAL
T	14-2-4	-1394	-1394	---	FRONT	VERT	TOTAL
U	16-2-4	-1395	-1395	---	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.57")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.57")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.10")

CSI: TC=0.68/1.00 (E-G:1) , BC=0.36/1.00 (J-K:1) , WB=0.43/1.00 (E-H:1) , SSI=0.71/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

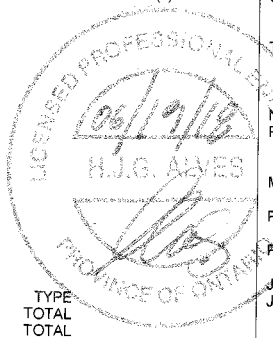
NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (K) (INPUT = 0.90)
JSI METAL= 0.55 (K) (INPUT = 1.00)



T18005461

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286072	T246	1	4	TRUSS DESC.	

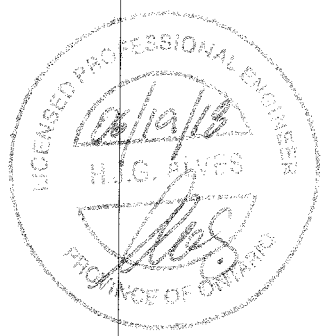
Tamarack Roof Truss, Burlington

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
K	BMWW+t	MT20	5.0	8.0		
L	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 1826.2 lbs FACTORED DOWN AT 1-4-4, 1826.2 lbs FACTORED DOWN AT 3-4-4, 1826.2 lbs FACTORED DOWN AT 5-4-4, 1826.2 lbs FACTORED DOWN AT 7-4-4, 1711.9 lbs FACTORED DOWN AT 8-2-4, 1711.9 lbs FACTORED DOWN AT 10-2-4, 1711.9 lbs FACTORED DOWN AT 12-2-4, AND 1711.9 lbs FACTORED DOWN AT 14-2-4, AND 1712.9 lbs FACTORED DOWN AT 16-2-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.



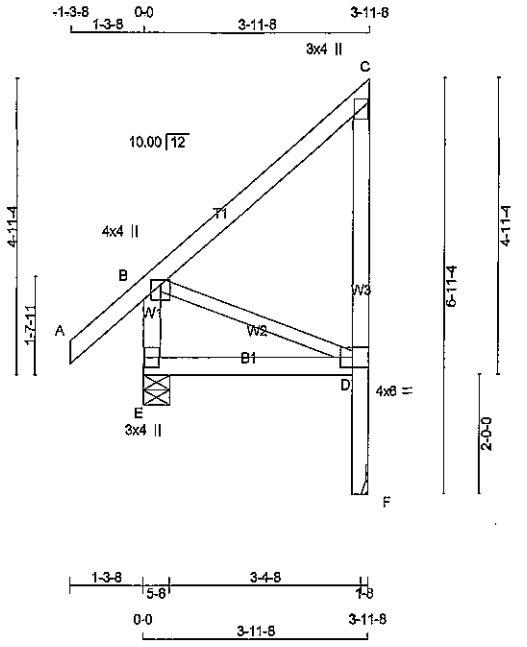
T1800546-2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T247	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:34 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-hk1gJ6I9VHMGG_FuALFq0W9Yg2Q7yDQU8NN5JQyehYh



Scale = 1:38.6

TOTAL WEIGHT = 4 X 24 = 96 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
F - C	2x4	DRY	No.2	SPF
E - B	2x4	DRY	No.2	SPF
E - D	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TMV+p	MT20	3.0	4.0		
D	BVMW-I	MT20	4.0	6.0	2.00	2.50
E	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
F	222	0	222	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	
E	339	0	339	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	182	101 / 0	42 / 0	0 / 0	0 / 0	40 / 0	0 / 0
E	262	172 / 0	42 / 0	0 / 0	0 / 0	48 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (5)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 37	-84.3	-84.3	0.12 (1)		10.00
B- C	0 / 0	-84.3	-84.3	0.22 (1)		10.00
F- D	-222 / 0	0.0	0.0	0.03 (1)		7.81
D- C	-167 / 0	0.0	0.0	0.08 (1)		7.81
E- B	-283 / 0	0.0	0.0	0.03 (1)		7.81
E- D	0 / 0	-28.0	-28.0	0.13 (3)		10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
B- D	0 / 0	0.00 (1)

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.02")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.03")

CSI: TC=0.22 (B-C:1) , BC=0.13 (D-E:3) , WB=0.00 (B-D:1) , SSI=0.10 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.22 (B) (INPUT = 0.90)
JSI METAL= 0.05 (B) (INPUT = 1.00)

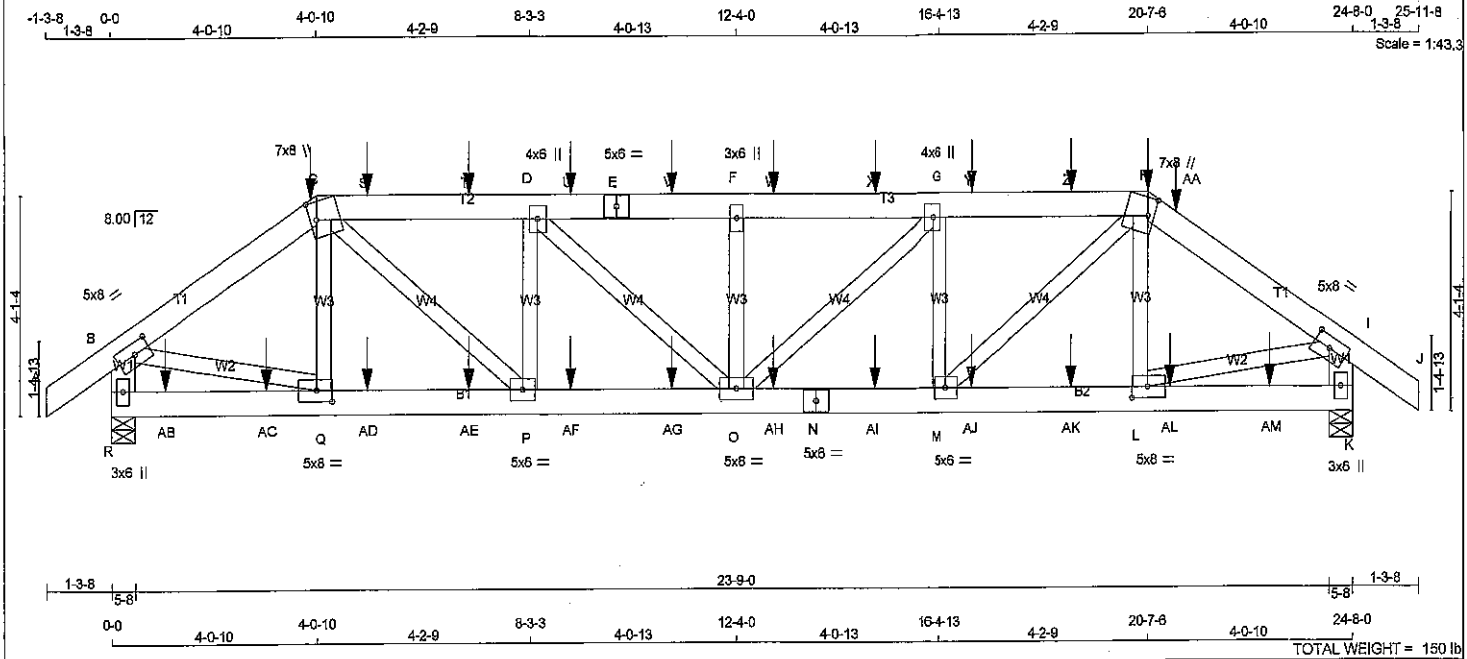
DWG NO. TAM46091-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T248	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:34 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-hk1gJ6I9VHMGG_FuALFq0W9YC2Kfy7iU8NN5JQyehYh



TOTAL WEIGHT = 150 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	No.2	SPF
C - E	2x6	DRY	No.2	SPF
E - H	2x6	DRY	No.2	SPF
H - J	2x6	DRY	No.2	SPF
R - B	2x6	DRY	No.2	SPF
K - I	2x6	DRY	No.2	SPF
R - N	2x6	DRY	No.2	SPF
N - K	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	8.0	2.50	3.75
C	TTWW+m	MT20	7.0	8.0	4.00	1.50
D	TMWW+t	MT20	4.0	6.0		
E	TS-t	MT20	5.0	6.0		
F	TMW+w	MT20	3.0	6.0		
G	TMWW+t	MT20	4.0	8.0		
H	TTWW+m	MT20	7.0	8.0	4.00	1.50
I	TMVW-t	MT20	5.0	8.0	2.50	3.75
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-t	MT20	5.0	8.0	2.50	3.75
M	BMWW-t	MT20	5.0	6.0		
N	BS-t	MT20	5.0	6.0		
O	BMWWW-t	MT20	5.0	8.0		
P	BMWW-t	MT20	5.0	6.0		
Q	BMWW-t	MT20	5.0	8.0	2.50	3.75
R	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 244.5 lbs FACTORED DOWN AT 4-0-11, 244.5 lbs FACTORED DOWN AT 20-7-6, 101.4 lbs FACTORED DOWN AT 5-0-12, 101.4 lbs FACTORED DOWN AT 7-0-12, 101.4 lbs FACTORED DOWN AT 9-0-12, 101.4 lbs FACTORED DOWN AT 11-0-12, 101.4 lbs FACTORED DOWN AT 13-0-12, 101.4 lbs FACTORED DOWN AT 15-0-12, 101.4 lbs FACTORED DOWN AT 17-0-12, AND 101.4 lbs FACTORED DOWN AT 19-0-12, AND 124.6 lbs FACTORED DOWN AT 21-0-12 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 1-0-12, 69.9 lbs FACTORED DOWN AT 3-0-12, 69.9 lbs FACTORED DOWN AT 5-0-12, 69.9 lbs FACTORED DOWN AT 7-0-12, 69.9 lbs FACTORED DOWN AT 9-0-12, 69.9 lbs FACTORED DOWN AT 11-0-12, 69.9 lbs FACTORED DOWN AT 13-0-12, 69.9 lbs FACTORED DOWN AT 15-0-12, 69.9 lbs FACTORED DOWN AT 17-0-12, 69.9 lbs FACTORED DOWN AT 19-0-12, AND 69.9 lbs FACTORED DOWN AT 21-0-12, AND 69.9 lbs FACTORED DOWN AT 23-0-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
R	2426	0	2426	0	0	5-8	5-8
K	2486	0	2486	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	1984	1114 / 0	443 / 0	0 / 0	0 / 0	426 / 0	0 / 0
K	2018	1157 / 0	435 / 0	0 / 0	0 / 0	426 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) R, K

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.07 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

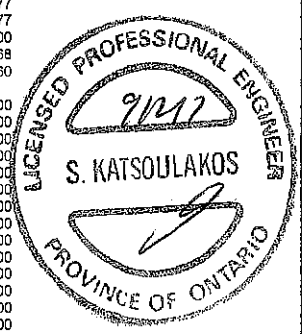
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI	MAX. UNBRAC LENGTH
A- B	0 / 33	-84.3	-84.3	0.07 (1)		10.00
B- C	-2793 / 0	-84.3	-84.3	0.17 (1)		4.83
C- S	-3646 / 0	-84.3	-84.3	0.24 (1)		4.26
S- T	-3646 / 0	-84.3	-84.3	0.24 (1)		4.26
T- D	-3646 / 0	-84.3	-84.3	0.24 (1)		4.26
D- U	-4047 / 0	-84.3	-84.3	0.25 (1)		4.07
U- E	-4047 / 0	-84.3	-84.3	0.25 (1)		4.07
E- V	-4047 / 0	-84.3	-84.3	0.25 (1)		4.07
V- F	-4047 / 0	-84.3	-84.3	0.24 (1)		4.07
F- W	-4047 / 0	-84.3	-84.3	0.24 (1)		4.08
W- X	-4047 / 0	-84.3	-84.3	0.24 (1)		4.08
X- G	-4047 / 0	-84.3	-84.3	0.24 (1)		4.08
G- Y	-3675 / 0	-84.3	-84.3	0.25 (1)		4.23
Y- Z	-3675 / 0	-84.3	-84.3	0.25 (1)		4.23
Z- H	-3675 / 0	-84.3	-84.3	0.25 (1)		4.23
H-AA	-2840 / 0	-84.3	-84.3	0.20 (1)		4.77
AA- I	-2840 / 0	-84.3	-84.3	0.20 (1)		4.77
I- J	0 / 33	-84.3	-84.3	0.07 (1)		10.00
R- B	-2343 / 0	0.0	0.0	0.17 (1)		6.68
K- I	-2412 / 0	0.0	0.0	0.17 (1)		6.60
R-AB	0 / 0	-28.0	-28.0	0.11 (3)		10.00
AB-AC	0 / 0	-28.0	-28.0	0.11 (3)		10.00
AC- Q	0 / 0	-28.0	-28.0	0.11 (3)		10.00
Q-AD	0 / 2307	-28.0	-28.0	0.35 (1)		10.00
AD-AE	0 / 2307	-28.0	-28.0	0.35 (1)		10.00
AE- P	0 / 2307	-28.0	-28.0	0.35 (1)		10.00
P-AF	0 / 3646	-28.0	-28.0	0.54 (1)		10.00
AF-AG	0 / 3646	-28.0	-28.0	0.54 (1)		10.00
AG- O	0 / 3646	-28.0	-28.0	0.54 (1)		10.00
O-AH	0 / 3675	-28.0	-28.0	0.55 (1)		10.00
AH- N	0 / 3675	-28.0	-28.0	0.55 (1)		10.00
N-AI	0 / 3675	-28.0	-28.0	0.55 (1)		10.00
AI- M	0 / 3675	-28.0	-28.0	0.55 (1)		10.00
M-AJ	0 / 2368	-28.0	-28.0	0.35 (1)		10.00
AJ-AK	0 / 2368	-28.0	-28.0	0.35 (1)		10.00
AK- L	0 / 2368	-28.0	-28.0	0.35 (1)		10.00
L-AL	0 / 0	-28.0	-28.0	0.10 (3)		10.00
AL-AM	0 / 0	-28.0	-28.0	0.10 (3)		10.00
AM- K	0 / 0	-28.0	-28.0	0.10 (3)		10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
Q- C	-267 / 147	0.05 (1)
C- P	0 / 1766	0.31 (1)
P- D	-967 / 0	0.17 (1)
D- O	0 / 539	0.10 (1)
O- F	-505 / 0	0.09 (1)
O- G	0 / 500	0.09 (1)
M- G	-938 / 0	0.16 (1)
M- H	0 / 1723	0.30 (1)
L- H	-283 / 143	0.05 (1)
B- Q	0 / 2370	0.42 (1)
L- I	0 / 2433	0.43 (1)



DWG NO. TAM 46092-17
STRUCTURAL COMPONENT ONLY

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

*** NON STANDARD GIRDER ***
ADDT'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.62")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.12")
ALLOWABLE DEFL.(TL)= L/360 (0.62")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.20")

CSI: TC=0.25 (G-H:1) , BC=0.55 (M-O:1) , WB=0.43 (I-L:1) , SSI=0.23 (G-H:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.84 (H) (INPUT = 0.90)
JSI METAL= 0.62 (N) (INPUT = 1.00)

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T248	1	1	TRUSS DESC.	

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	4-0-11	-23	-25	—	FRONT	VERT	DEAD
C	4-0-11	-222	-222	—	FRONT	VERT	SNOW
H	20-7-8	-23	-25	—	FRONT	VERT	DEAD
H	20-7-8	-222	-222	—	FRONT	VERT	SNOW
S	5-0-12	-101	-101	—	BACK	VERT	TOTAL
T	7-0-12	-101	-101	—	BACK	VERT	TOTAL
U	9-0-12	-101	-101	—	BACK	VERT	TOTAL
V	11-0-12	-101	-101	—	BACK	VERT	TOTAL
W	13-0-12	-101	-101	—	BACK	VERT	TOTAL
X	15-0-12	-101	-101	—	BACK	VERT	TOTAL
Y	17-0-12	-101	-101	—	BACK	VERT	TOTAL
Z	19-0-12	-101	-101	—	BACK	VERT	TOTAL
AA	21-0-12	-125	-125	—	BACK	VERT	TOTAL
AB	1-0-12	-40	-70	—	BACK	VERT	TOTAL
AC	3-0-12	-40	-70	—	BACK	VERT	TOTAL
AD	5-0-12	-40	-70	—	BACK	VERT	TOTAL
AE	7-0-12	-40	-70	—	BACK	VERT	TOTAL
AF	9-0-12	-40	-70	—	BACK	VERT	TOTAL
AG	11-0-12	-40	-70	—	BACK	VERT	TOTAL
AH	13-0-12	-40	-70	—	BACK	VERT	TOTAL
AI	15-0-12	-40	-70	—	BACK	VERT	TOTAL
AJ	17-0-12	-40	-70	—	BACK	VERT	TOTAL
AK	19-0-12	-40	-70	—	BACK	VERT	TOTAL
AL	21-0-12	-40	-70	—	BACK	VERT	TOTAL
AM	23-0-12	-40	-70	—	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

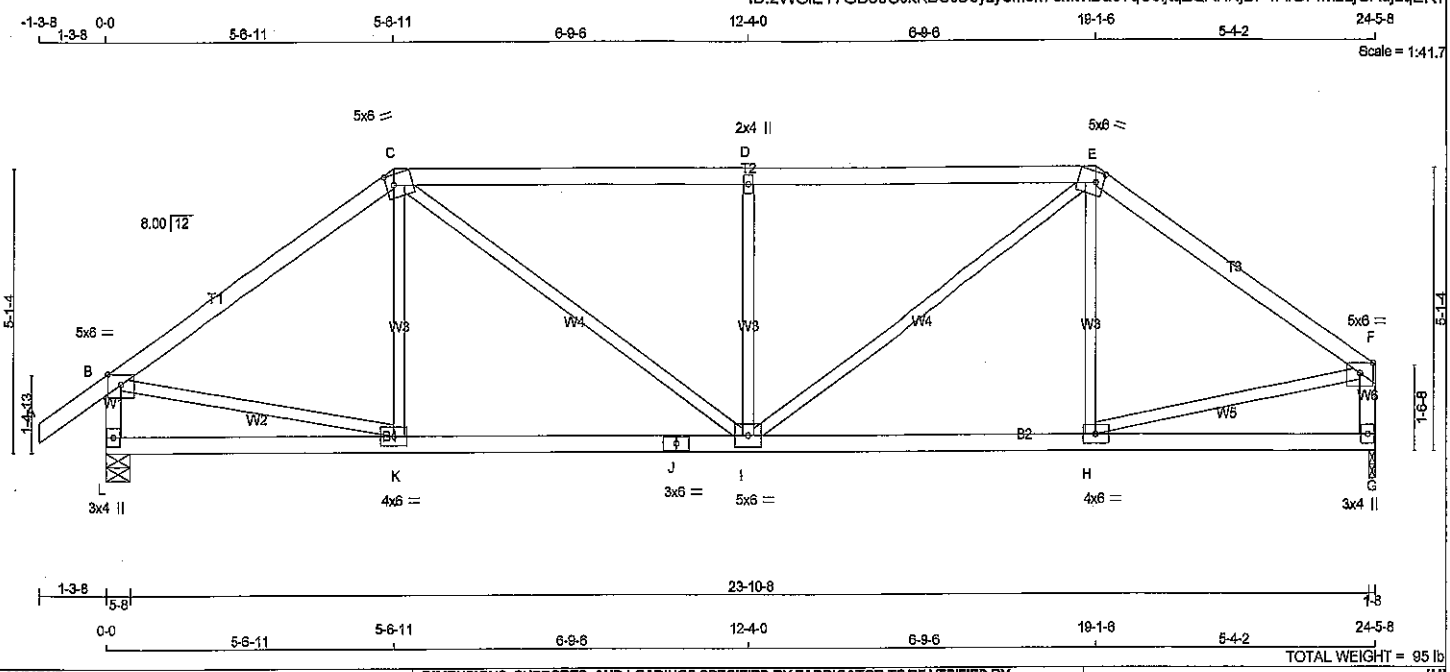
DWG NO. TAM46092-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286074	T249A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Mon Jan 29 08:41:18 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-cMtviDacYqC8ljtqZQAKRjBP1AfGPImzLjOAujzqZK?



TOTAL WEIGHT = 95 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - F	2x4	DRY	No.2	SPF
L - B	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
J - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW-p	MT20	5.0	6.0	Edge	
C	TTWW-m	MT20	5.0	6.0	2.25	1.75
D	TMW+w	MT20	2.0	4.0		
E	TTWW-m	MT20	5.0	6.0	2.25	1.75
F	TMWW-p	MT20	5.0	6.0	Edge	
G	BMV1+p	MT20	3.0	4.0		
H	BMWW-t	MT20	4.0	6.0		
I	BMWWW-t	MT20	5.0	6.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
L	1488	0	1488	0	0	5-8	5-8
G	1373	0	1373	0	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1206	696 / 0	257 / 0	0 / 0	0 / 0	253 / 0	0 / 0
G	1127	628 / 0	257 / 0	0 / 0	0 / 0	245 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) L, G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.81 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	VERT. LOAD LC1 FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 32	-84.3	-84.3	0.11 (1)	10.00	K- C	-46 / 211	0.05 (3)
B- C	-1508 / 0	-84.3	-84.3	0.55 (1)	4.68	C- I	0 / 744	0.17 (1)
C- D	-1859 / 0	-84.3	-84.3	0.83 (1)	3.81	I- D	-701 / 0	0.27 (1)
D- E	-1859 / 0	-84.3	-84.3	0.83 (1)	3.61	I- E	0 / 785	0.18 (1)
E- F	-1469 / 0	-84.3	-84.3	0.50 (1)	4.79	H- E	-83 / 188	0.04 (3)
L- B	-1428 / 0	0.0	0.0	0.15 (1)	6.83	B- K	0 / 1276	0.29 (1)
G- F	-1315 / 0	0.0	0.0	0.14 (1)	7.05	H- F	0 / 1250	0.28 (1)
L- K	0 / 0	-28.0	-28.0	0.25 (3)	10.00			
K- J	0 / 1252	-28.0	-28.0	0.40 (2)	10.00			
J- I	0 / 1252	-28.0	-28.0	0.40 (2)	10.00			
I- H	0 / 1219	-28.0	-28.0	0.39 (2)	10.00			
H- G	0 / 0	-28.0	-28.0	0.24 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.62")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.62")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.14")

CSI: TC=0.83/1.00 (C-D:1) , BC=0.40/1.00 (I-K:2) , WB=0.29/1.00 (B-K:1) , SSI=0.28/1.00 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (E) (INPUT = 0.90)
JSI METAL= 0.33 (J) (INPUT = 1.00)

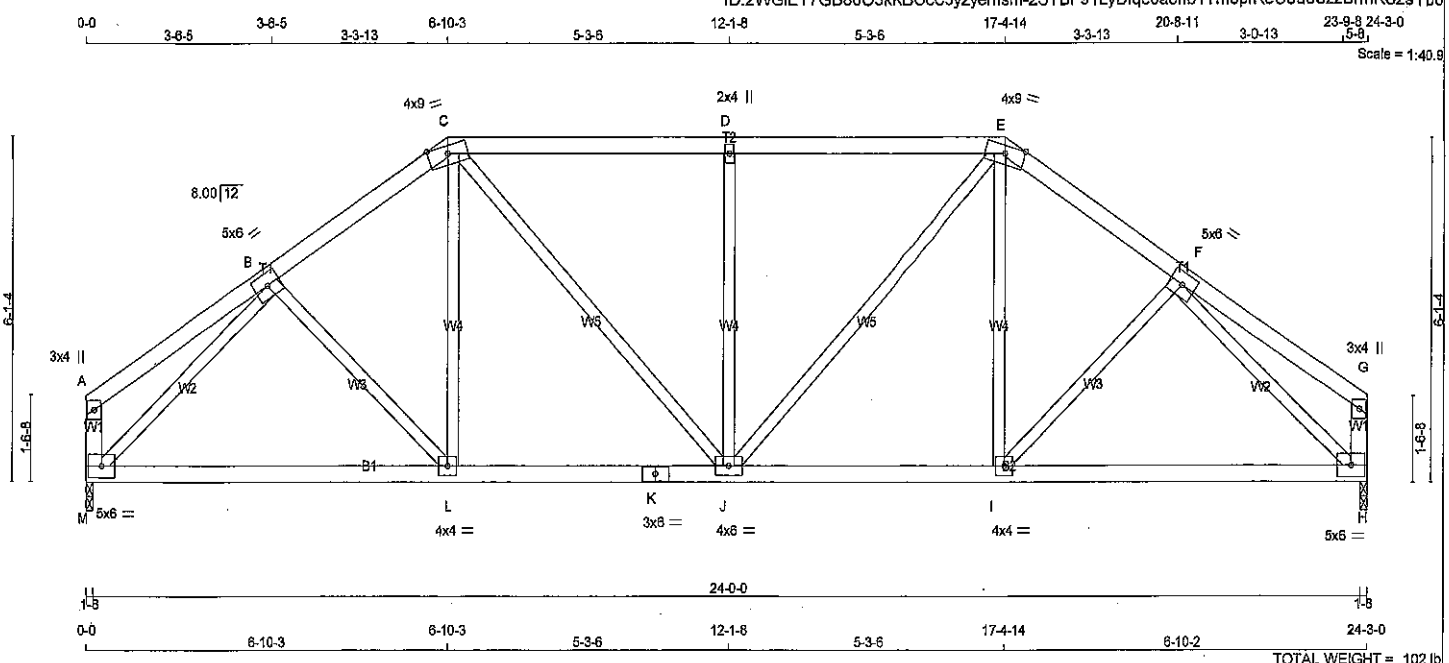
DWG NO. TAM 6296 -18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286074	T250B	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:53:17 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-2SYBF91LyDlqe0aonbY?m5plKeC8u83zzBrmKSzsYb0



TOTAL WEIGHT = 102 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
M - A	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
M - K	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWW-t	MT20	5.0	6.0		
C	TTWW-m	MT20	4.0	9.0	Edge	
D	TMW+w	MT20	2.0	4.0		
E	TTWW-m	MT20	4.0	9.0	Edge	
F	TMWW-t	MT20	5.0	6.0		
G	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	5.0	6.0		
I	BMWW-t	MT20	4.0	4.0		
J	BMWWW-t	MT20	4.0	6.0		
K	BS-t	MT20	3.0	6.0		
L	BMWW-t	MT20	4.0	4.0		
M	BMVW1-t	MT20	5.0	6.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
M	1361	0	1361	0	0	1-8	1-8
H	1361	0	1361	0	0	1-8	1-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0
H	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) M, H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.05 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS						WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)		MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)	
FR-TO		FROM	TO			FR-TO			
A- B	0 / 17	-84.3	-84.3	0.14 (1)	10.00	B- L	0 / 134	0.03 (3)	
B- C	-1430 / 0	-84.3	-84.3	0.13 (1)	5.34	L- C	0 / 276	0.06 (2)	
C- D	-1471 / 0	-84.3	-84.3	0.32 (1)	5.05	C- J	0 / 438	0.10 (1)	
D- E	-1471 / 0	-84.3	-84.3	0.32 (1)	5.05	J- D	-543 / 0	0.32 (1)	
E- F	-1430 / 0	-84.3	-84.3	0.13 (1)	5.34	J- E	0 / 438	0.10 (1)	
F- G	0 / 17	-84.3	-84.3	0.14 (1)	10.00	I- E	0 / 276	0.06 (2)	
M- A	-114 / 0	0.0	0.0	0.01 (1)	7.81	I- F	0 / 134	0.03 (3)	
H- G	-114 / 0	0.0	0.0	0.01 (1)	7.81	M- B	-1633 / 0	0.62 (1)	
						F- H	-1633 / 0	0.62 (1)	
M- L	0 / 1141	-28.0	-28.0	0.43 (2)	10.00				
L- K	0 / 1176	-28.0	-28.0	0.44 (2)	10.00				
K- J	0 / 1176	-28.0	-28.0	0.44 (2)	10.00				
J- I	0 / 1176	-28.0	-28.0	0.44 (2)	10.00				
I- H	0 / 1141	-28.0	-28.0	0.43 (2)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.17")

CSI: TC=0.32/1.00 (C-D:1) , BC=0.44/1.00 (J-L:2) , WB=0.62/1.00 (B-M:1) , SSI=0.21/1.00 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI)		SHEAR (PLI)		SECTION (PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (E) (INPUT = 0.90)
JSI METAL= 0.40 (B) (INPUT = 1.00)

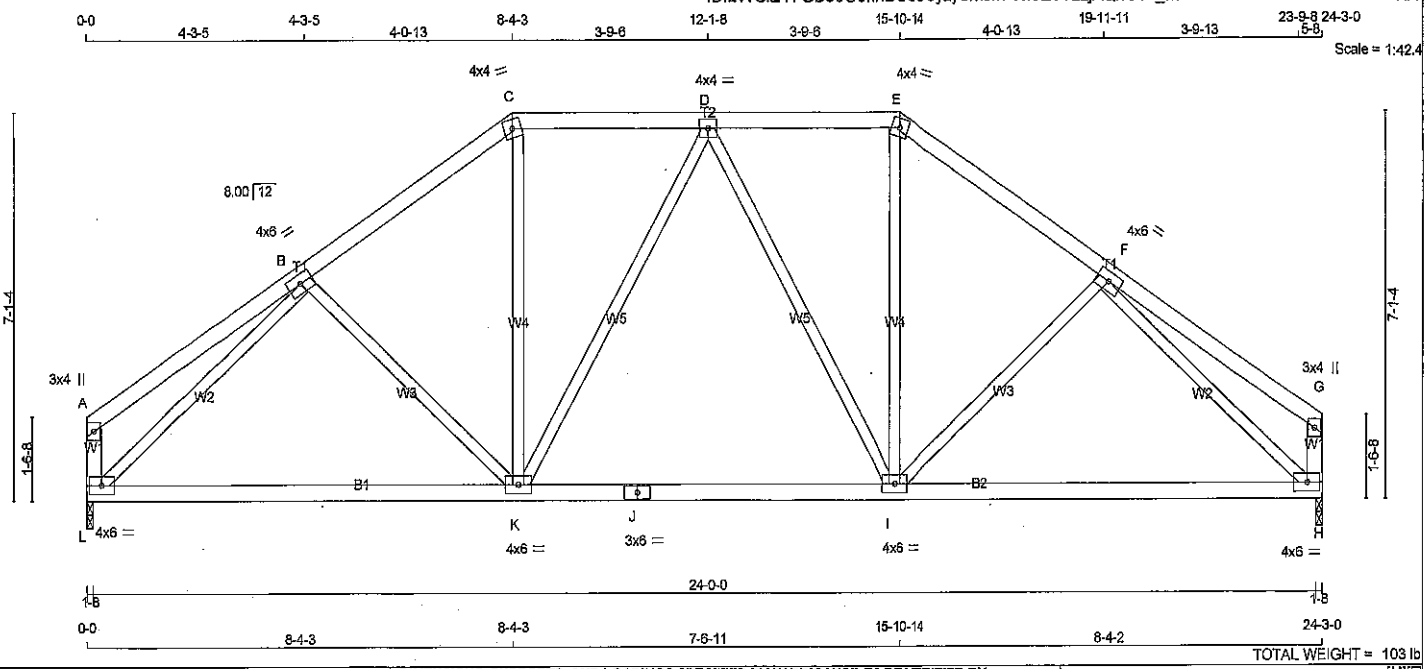
DWG NO. TAM 5134 -R8
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286074	T251B	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:53:18 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-Wf5ZTV2zjXQhG99_LJ3EJIMVc2VVdVv6BrbJsuzsYb?



TOTAL WEIGHT = 103 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
L - A	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWW-t	MT20	4.0	6.0		
C	TTW-m	MT20	4.0	4.0		
D	TMWW-t	MT20	4.0	4.0		
E	TTW-m	MT20	4.0	4.0		
F	TMWW-t	MT20	4.0	6.0		
G	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	4.0	6.0		
I	BMWWW-t	MT20	4.0	6.0		
J	BS-t	MT20	3.0	6.0		
K	BMWWW-t	MT20	4.0	6.0		
L	BMVW1-t	MT20	4.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
L	1361	0	1361	0	0	1-8	1-8
H	1361	0	1361	0	0	1-8	1-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0
H	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) L, H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.36 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A-B	0 / 22	-84.3	-84.3	0.23 (1)	10.00
B-C	-1368 / 0	-84.3	-84.3	0.20 (1)	5.36
C-D	-1126 / 0	-84.3	-84.3	0.16 (1)	5.82
D-E	-1126 / 0	-84.3	-84.3	0.16 (1)	5.82
E-F	-1368 / 0	-84.3	-84.3	0.20 (1)	5.36
F-G	0 / 22	-84.3	-84.3	0.23 (1)	10.00
L-A	-136 / 0	0.0	0.0	0.01 (1)	7.81
H-G	-136 / 0	0.0	0.0	0.01 (1)	7.81
L-K	0 / 1175	-28.0	-28.0	0.55 (2)	10.00
K-J	0 / 1229	-28.0	-28.0	0.56 (2)	10.00
J-I	0 / 1229	-28.0	-28.0	0.56 (2)	10.00
I-H	0 / 1175	-28.0	-28.0	0.55 (2)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
B-K	-77 / 99	0.05 (1)
K-C	0 / 465	0.11 (1)
K-D	-217 / 0	0.27 (1)
D-I	-217 / 0	0.27 (1)
I-E	0 / 465	0.11 (1)
I-F	-77 / 99	0.05 (1)
L-B	-1628 / 0	0.90 (1)
F-H	-1628 / 0	0.90 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.61")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.21")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 843 (0.35")

CSI: TC=0.23/1.00 (A-B:1) , BC=0.56/1.00 (I-K:2) , WB=0.90/1.00 (B-L:1) , SSI=0.19/1.00 (K-L:3)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (B) (INPUT = 0.90)
JSI METAL= 0.40 (F) (INPUT = 1.00)

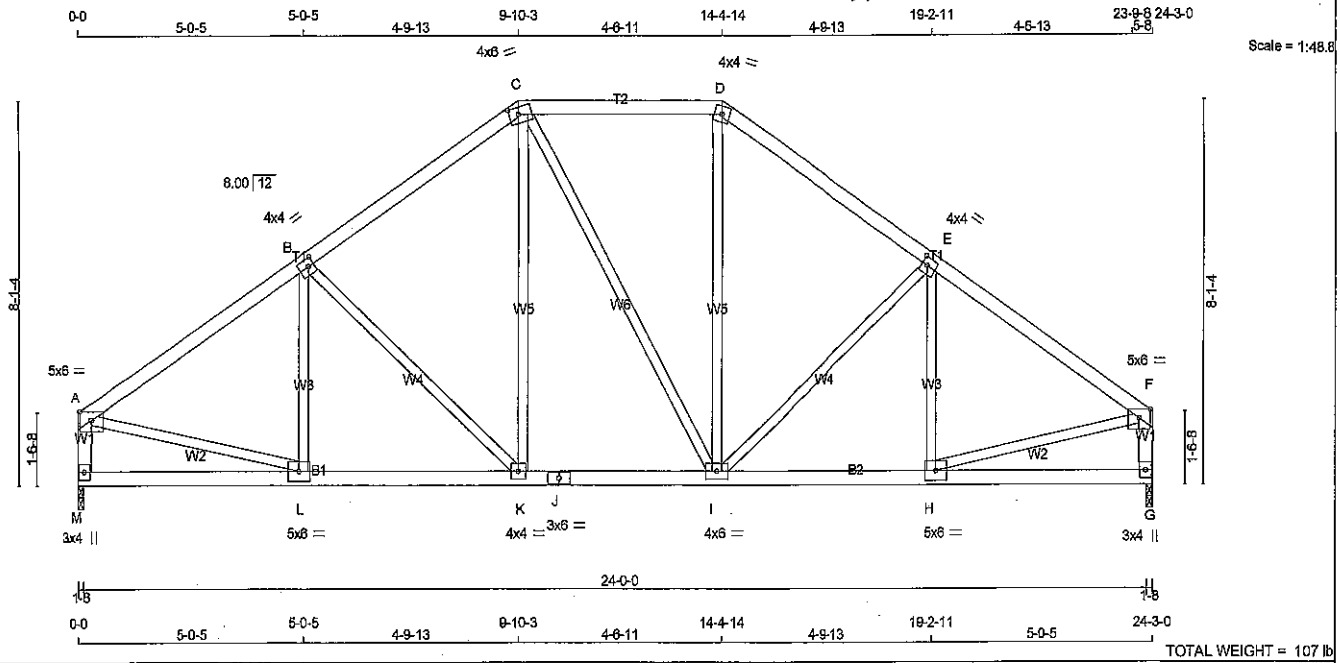
DWG NO. TAM 5135 -18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286074	T252B	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:53:18 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-Wf5ZTV2zjXQhG99_LJ3EJIMUa2ZRdfR6BrbJsuzsYb?



TOTAL WEIGHT = 107 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
M - A	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
J - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	Edge	
B	TMWW-t	MT20	4.0	4.0	2.00	1.50
C	TTWW-m	MT20	4.0	6.0	1.75	2.50
D	TTW-m	MT20	4.0	4.0		
E	TMWW-t	MT20	4.0	4.0	2.00	1.50
F	TMVW-p	MT20	5.0	6.0	Edge	
G	BMV1+p	MT20	3.0	4.0		
H	BMWW-t	MT20	5.0	6.0		
I	BMWWW-t	MT20	4.0	6.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	4.0		
L	BMWW-t	MT20	5.0	6.0		
M	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
M	1361	0	1361	0	0	1-8	1-8
G	1361	0	1361	0	0	1-8	1-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0
G	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) M, G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.09 FT.

MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS						WEBS			
MEMB. FR-TO	MAX. FACTORED FORCE (LBS)		FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	-1480 / 0		-84.3	-84.3	0.29 (1)	5.09	I- B	-148 / 126	0.05 (1)
B- C	-1259 / 0		-84.3	-84.3	0.28 (1)	5.43	B- K	-315 / 0	0.26 (1)
C- D	-1028 / 0		-84.3	-84.3	0.24 (1)	5.91	K- C	0 / 367	0.08 (2)
D- E	-1260 / 0		-84.3	-84.3	0.28 (1)	5.42	C- I	0 / 2	0.00 (2)
E- F	-1479 / 0		-84.3	-84.3	0.29 (1)	5.09	I- D	0 / 368	0.08 (2)
M- A	-1303 / 0		0.0	0.0	0.14 (1)	7.08	I- E	-314 / 0	0.26 (1)
G- F	-1303 / 0		0.0	0.0	0.14 (1)	7.08	H- E	-150 / 124	0.05 (1)
							A- L	0 / 1290	0.29 (1)
M- L	0 / 0		-28.0	-28.0	0.17 (3)	10.00	H- F	0 / 1289	0.29 (1)
L- K	0 / 1253		-28.0	-28.0	0.31 (2)	10.00			
K- J	0 / 1027		-28.0	-28.0	0.23 (2)	10.00			
J- I	0 / 1027		-28.0	-28.0	0.23 (2)	10.00			
I- H	0 / 1253		-28.0	-28.0	0.31 (2)	10.00			
H- G	0 / 0		-28.0	-28.0	0.17 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP . CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.08")

CSI: TC=0.29/1.00 (A-B:1) , BC=0.31/1.00 (K-L:2) , WB=0.29/1.00 (A-L:1) , SSI=0.17/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 CDMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI)		SHEAR (PLI)		SECTION (PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.76 (A) (INPUT = 0.90)
JSI METAL= 0.31 (L) (INPUT = 1.00)

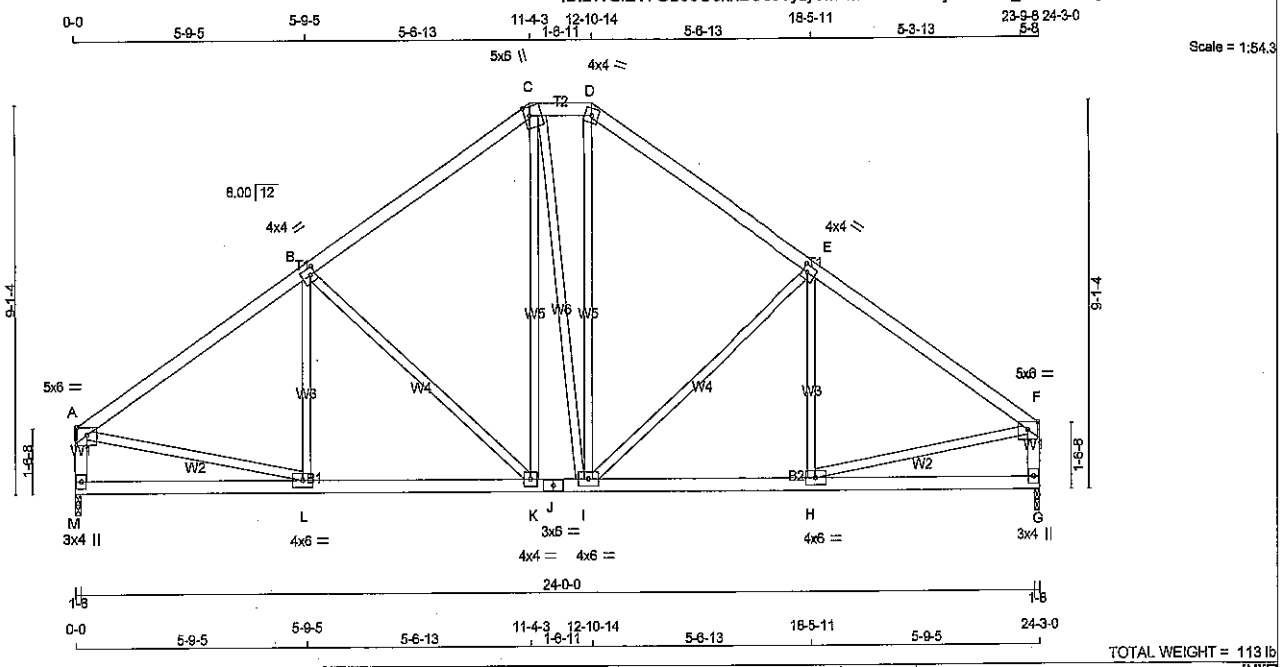
DWG NO. TAM 5136 -B
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286074	T253B	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:53:18 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-Wf5ZTV2zjXQhG99_LJ3EJIMSy2YLdbw6BrbJsuzsYb?



TOTAL WEIGHT = 113 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
M - A	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
J - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	Edge	
B	TMWW-t	MT20	4.0	4.0	2.00	1.50
C	TTWW+m	MT20	5.0	6.0	2.50	1.50
D	TTW-m	MT20	4.0	4.0		
E	TMWW-t	MT20	4.0	4.0	2.00	1.50
F	TMVW-p	MT20	5.0	6.0	Edge	
G	BMV1+p	MT20	3.0	4.0		
H	BMWW-t	MT20	4.0	6.0		
I	BMWWW-t	MT20	4.0	6.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	4.0		
L	BMWW-t	MT20	4.0	6.0		
M	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
M	1361	0	1361	0	0	1-8	1-8
G	1361	0	1361	0	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0
G	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) M, G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.94 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB.	MAX. FACTORED FORCE (LBS)	FR-TO	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A-B	-1488 / 0		-84.3	-84.3	0.40 (1)	4.94
B-C	-1156 / 0		-84.3	-84.3	0.37 (1)	5.47
C-D	-941 / 0		-84.3	-84.3	0.03 (1)	6.25
D-E	-1160 / 0		-84.3	-84.3	0.37 (1)	5.46
E-F	-1486 / 0		-84.3	-84.3	0.40 (1)	4.94
M-A	-1296 / 0		0.0	0.0	0.14 (1)	7.09
G-F	-1295 / 0		0.0	0.0	0.14 (1)	7.10
M-L	0 / 0		-28.0	-28.0	0.24 (3)	10.00
L-K	0 / 1264		-28.0	-28.0	0.38 (2)	10.00
K-J	0 / 938		-28.0	-28.0	0.24 (2)	10.00
J-I	0 / 938		-28.0	-28.0	0.24 (2)	10.00
I-H	0 / 1263		-28.0	-28.0	0.37 (2)	10.00
H-G	0 / 0		-28.0	-28.0	0.23 (3)	10.00

WEBS MEMB.	MAX. FACTORED FORCE (LBS)	FR-TO	MAX CSI (LC)
L-B	-81 / 195		0.04 (3)
B-K	-443 / 0		0.52 (1)
K-C	0 / 366		0.08 (1)
C-I	0 / 18		0.00 (1)
I-D	0 / 385		0.09 (1)
I-E	-438 / 0		0.51 (1)
H-E	-87 / 190		0.04 (3)
A-L	0 / 1292		0.29 (1)
H-F	0 / 1291		0.29 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.61")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.61")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.10")

CSI: TC=0.40/1.00 (A-B:1) , BC=0.38/1.00 (K-L:2) , WB=0.52/1.00 (B-K:1) , SSI=0.19/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	622	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

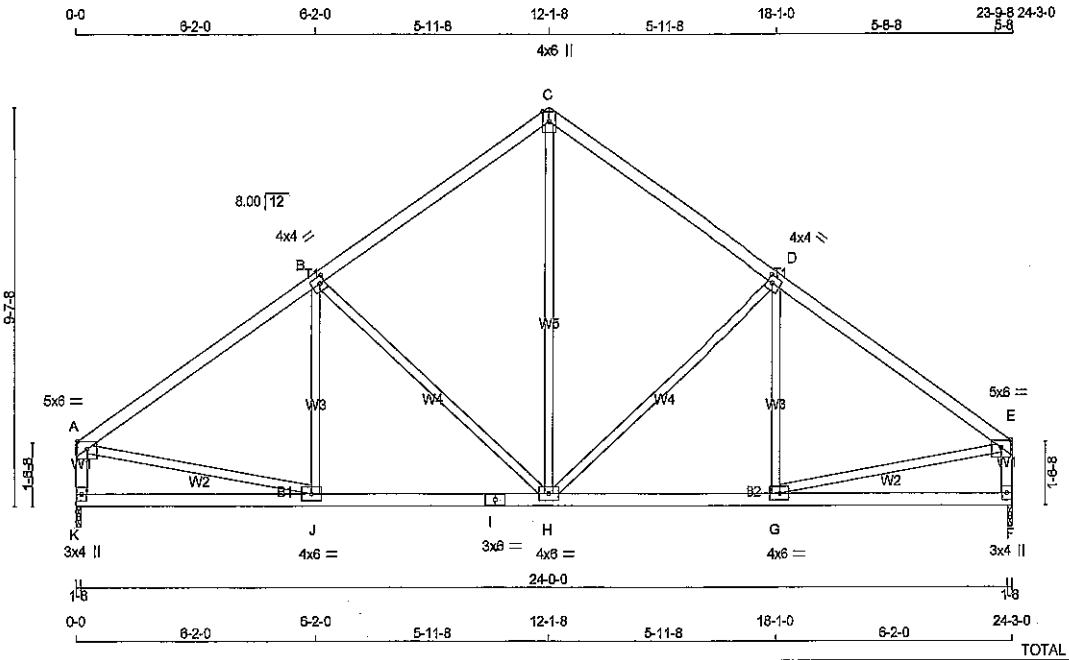
JSI GRIP= 0.88 (L) (INPUT = 0.90)
JSI METAL= 0.33 (J) (INPUT = 1.00)

DWG NO. TAM 5137 -18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286074	T254B	3	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:53:19 2018 Page 1
ID:2WGIEY7GB80O3kKBOcC5yzyemsm-_rfxgr3bUrYYtJkAv0aTrWuckRtJM0wGQVKtOKzsYb



TOTAL WEIGHT = 3 X 101 = 304 lb

[M][F]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
K - A	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
I - F	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	Edge	
B	TMWW-t	MT20	4.0	4.0	2.00	1.50
C	TTW+p	MT20	4.0	6.0	Edge	
D	TMWW-t	MT20	4.0	4.0	2.00	1.50
E	TMVW-p	MT20	5.0	6.0	Edge	
F	BMV1+p	MT20	3.0	4.0		
G	BMWW-t	MT20	4.0	6.0		
H	BMWWW-t	MT20	4.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMWW-t	MT20	4.0	6.0		
K	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
K	1361	0	1361	0	0	1-8	1-8
F	1361	0	1361	0	0	1-8	1-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0
F	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) K, F

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.86 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS						WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)		
FR-TO										
A- B	-1484 / 0	-84.3	-84.3	0.46 (1)	4.86	H- C	0 / 817	0.18 (1)		
B- C	-1110 / 0	-84.3	-84.3	0.42 (1)	5.47	H- D	-494 / 0	0.66 (1)		
C- D	-1110 / 0	-84.3	-84.3	0.42 (1)	5.47	G- D	-60 / 214	0.05 (3)		
D- E	-1484 / 0	-84.3	-84.3	0.46 (1)	4.86	B- H	-494 / 0	0.66 (1)		
K- A	-1291 / 0	0.0	0.0	0.14 (1)	7.10	J- B	-60 / 214	0.05 (3)		
F- E	-1291 / 0	0.0	0.0	0.14 (1)	7.10	A- J	0 / 1287	0.29 (1)		
						G- E	0 / 1287	0.29 (1)		
K- J	0 / 0	-28.0	-28.0	0.26 (3)	10.00					
J- I	0 / 1263	-28.0	-28.0	0.40 (2)	10.00					
I- H	0 / 1263	-28.0	-28.0	0.40 (2)	10.00					
H- G	0 / 1263	-28.0	-28.0	0.40 (2)	10.00					
G- F	0 / 0	-28.0	-28.0	0.26 (3)	10.00					

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.07")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.11")

CSI: TC=0.46/1.00 (A-B:1) , BC=0.40/1.00 (H-J:2) , WB=0.66/1.00 (B-H:1) , SSI=0.21/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI)		SHEAR (PLI)		SECTION (PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

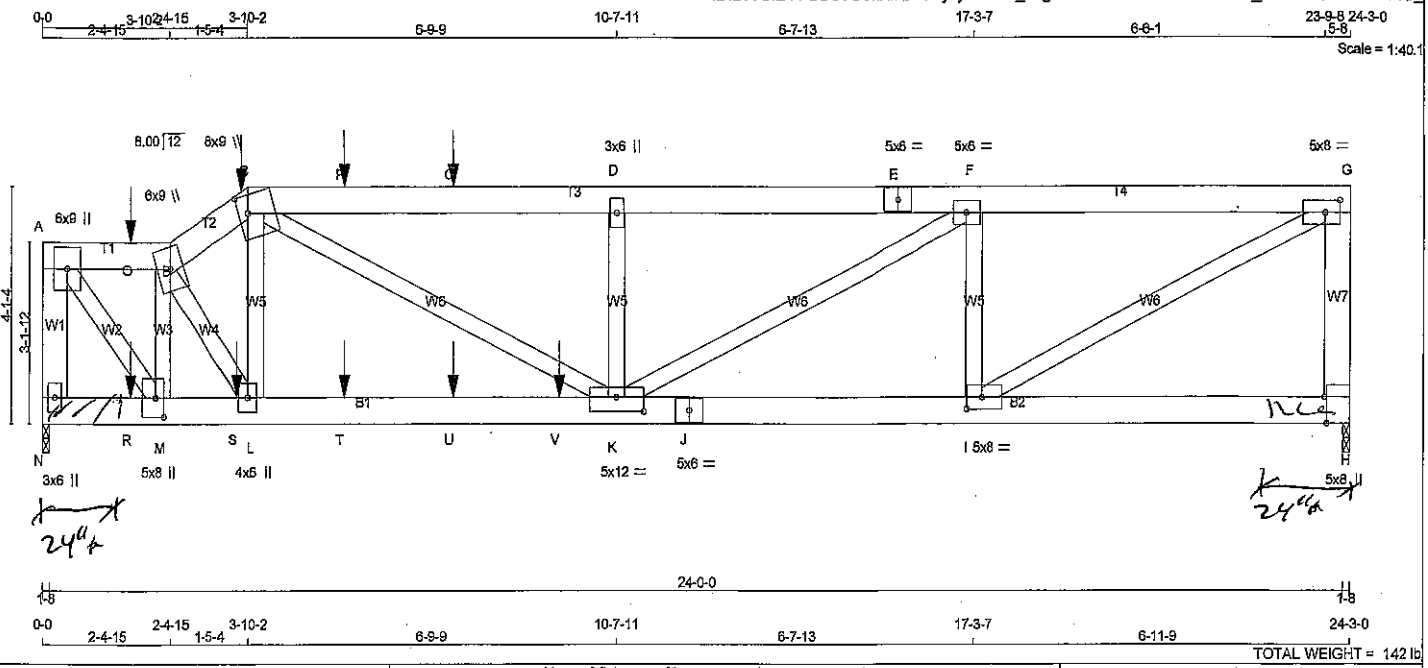
JSI GRIP= 0.86 (J) (INPUT = 0.90)
JSI METAL= 0.34 (I) (INPUT = 1.00)

DWG NO. TAM 5130 -18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286074	T255	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:53:19 2018 Page 1
ID:2WGIEY7GB80O3kKBOcC5yzyemsm-_rfxgr3bUrYYtJkAv0aTrWuazRs_M0DGQVKtOKzsYb_



TOTAL WEIGHT = 142 lb

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
N - A	2x6	DRY	No.2	SPF
A - B	2x6	DRY	No.2	SPF
B - C	2x6	DRY	No.2	SPF
C - E	2x6	DRY	No.2	SPF
E - G	2x6	DRY	No.2	SPF
H - G	2x6	DRY	No.2	SPF
N - J	2x8	DRY	2100F 1.8E	SPF
J - H	2x6	DRY	2100F 1.8E	SPF
ALL WEBS	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMW+p	MT20	6.0	9.0		
B	TTWW+m	MT20	6.0	9.0		
C	TTWW+m	MT20	8.0	9.0	3.75	2.00
D	TMW+w	MT20	3.0	6.0		
E	TS-t	MT20	5.0	6.0		
F	TMWW-t	MT20	5.0	6.0		
G	TMW-t	MT20	5.0	8.0	2.50	3.25
H	BMV1+p	MT20	5.0	8.0	Edge	0.50
I	BMWW-t	MT20	5.0	8.0	2.50	3.25
J	BS-t	MT20	5.0	6.0		
K	BMWWW-t	MT20	5.0	12.0	3.00	6.00
L	BMWW+t	MT20	4.0	6.0		
M	BMWW+t	MT20	5.0	6.0	4.00	2.00
N	BMV1+p	MT20	3.0	6.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

HANGERS NOTES
1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 144.9 lbs FACTORED DOWN AT 1-7-12, 337.2 lbs FACTORED DOWN AT 3-10-2, AND 101.4 lbs FACTORED DOWN AT 5-7-12, AND 101.4 lbs FACTORED DOWN AT 7-7-12 ON TOP CHORD, AND 89.8 lbs FACTORED DOWN AT 1-7-12, 69.9 lbs FACTORED DOWN AT 3-7-12, 69.9 lbs FACTORED DOWN AT 5-7-12, AND 69.9 lbs FACTORED DOWN AT 7-7-12, AND 1297.6 lbs FACTORED DOWN AT 9-7-0 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

SCAB JOINT #N & #H WITH 2X6 #2 SPF 24" LONG 1 SIDE(S) USING 2 ROW(S) 2¼" ARDOX SPIRAL/COMMON WIRE NAILS AT 2" O/C STAGGERED (24 NAILS/SCAB). REQUIRED FOR 1½" BRG PROVISION.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
N	2881	0	2881	0	0	1-8	1.18
H	2026	0	2026	0	0	1-8	1.18

UNFACTORED REACTIONS
1ST LCASE MAX./MIN. COMPONENT REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	2335	1344 / 0	499 / 0	0 / 0	0 / 0	493 / 0	0 / 0
H	1655	932 / 0	368 / 0	0 / 0	0 / 0	355 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) N, H

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.31 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB.	MAX. FACTORED FORCE (LBS)	FR-TO	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB.	MAX. FACTORED FORCE (LBS)	FR-TO	MAX CSI (LC)
N-A	-2739 / 0		0.0	0.0	0.26 (1)	6.27	A-M	0 / 3416		0.60 (1)
A-O	-2200 / 0		-84.3	-84.3	0.12 (1)	5.36	M-B	-3004 / 0		0.39 (1)
O-B	-2200 / 0		-84.3	-84.3	0.12 (1)	5.36	B-L	0 / 951		0.17 (1)
B-C	-3426 / 0		-84.3	-84.3	0.07 (1)	4.54	L-C	0 / 315		0.06 (3)
C-P	-4927 / 0		-84.3	-84.3	0.64 (1)	3.31	I-G	0 / 3520		0.64 (1)
P-Q	-4927 / 0		-84.3	-84.3	0.64 (1)	3.31	C-K	0 / 2353		0.42 (1)
Q-D	-4927 / 0		-84.3	-84.3	0.64 (1)	3.31	I-F	-1659 / 0		0.27 (1)
D-E	-4927 / 0		-84.3	-84.3	0.48 (1)	3.52	K-D	-692 / 0		0.12 (1)
E-F	-4927 / 0		-84.3	-84.3	0.48 (1)	3.52	K-F	0 / 1961		0.35 (1)
F-G	-3207 / 0		-84.3	-84.3	0.36 (1)	4.37				
H-G	-1925 / 0		0.0	0.0	0.28 (1)	7.21				
N-R	0 / 0		-28.0	-28.0	0.08 (1)	10.00				
R-M	0 / 0		-28.0	-28.0	0.08 (1)	10.00				
M-S	0 / 2364		-28.0	-28.0	0.34 (1)	10.00				
S-L	0 / 2364		-28.0	-28.0	0.34 (1)	10.00				
L-T	0 / 2851		-28.0	-28.0	0.48 (1)	10.00				
T-U	0 / 2851		-28.0	-28.0	0.48 (1)	10.00				
U-V	0 / 2851		-28.0	-28.0	0.48 (1)	10.00				
V-K	0 / 2851		-28.0	-28.0	0.48 (1)	10.00				
K-J	0 / 3207		-28.0	-28.0	0.33 (1)	10.00				
J-I	0 / 3207		-28.0	-28.0	0.33 (1)	10.00				
I-H	0 / 0		-28.0	-28.0	0.10 (2)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR	TYPE
C	3-10-2	-104	-104	---	FRONT	VERT	TOTAL
C	3-10-2	-21	-24	---	FRONT	VERT	DEAD
C	3-10-2	-212	-212	---	FRONT	VERT	SNOW
O	1-7-12	-145	-145	---	FRONT	VERT	TOTAL
P	5-7-12	-101	-101	---	FRONT	VERT	TOTAL
Q	7-7-12	-101	-101	---	FRONT	VERT	TOTAL
R	1-7-12	-83	-90	---	FRONT	VERT	TOTAL
S	3-7-12	-40	-70	---	FRONT	VERT	TOTAL
T	5-7-12	-40	-70	---	FRONT	VERT	TOTAL
U	7-7-12	-40	-70	---	FRONT	VERT	TOTAL
V	9-7-0	-1298	-1298	---	FRONT	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM5139
STRUCTURAL COMPONENT ONLY

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 6.00/12

*** NON STANDARD GIRDER ***
ADDT'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , 8CBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.19")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 930 (0.31")

CSI: TC=0.64/1.00 (C-D:1) , BC=0.48/1.00 (K-L:1) , WB=0.64/1.00 (G-I:1) , SSI=0.80/1.00 (K-L:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

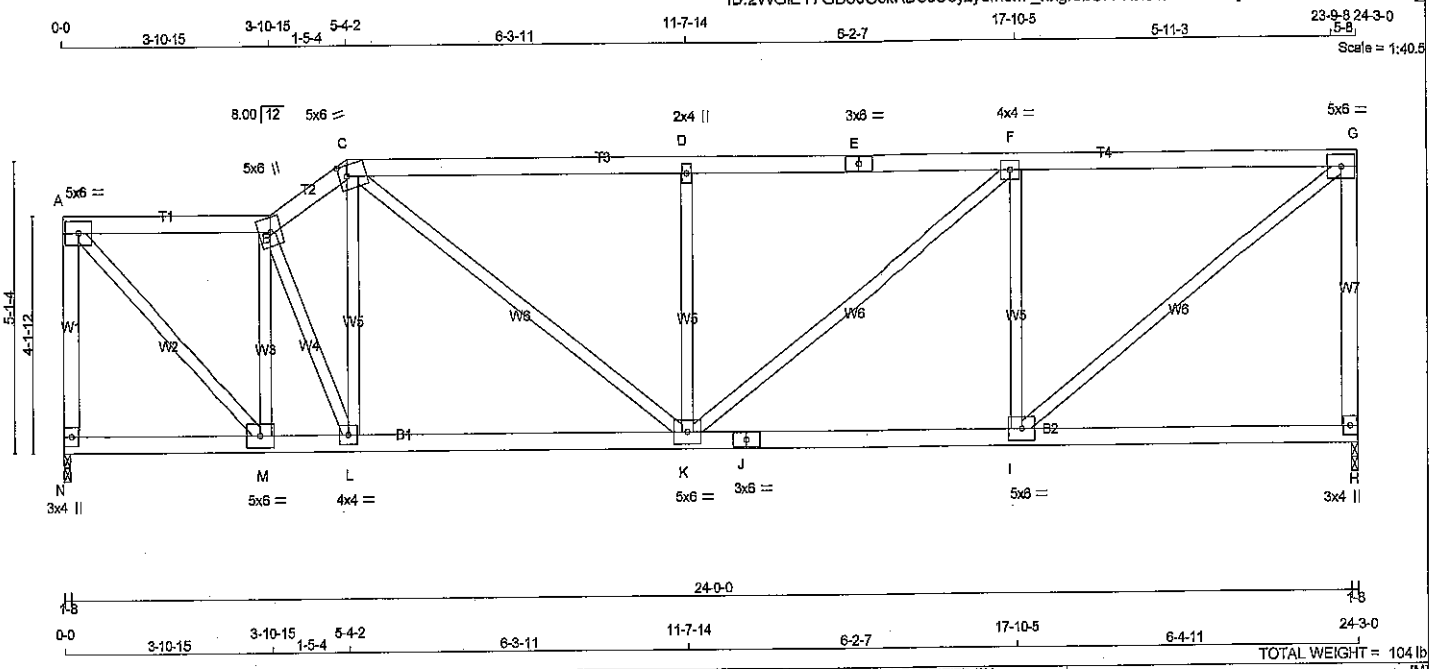
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (I) (INPUT = 0.90)
JSI METAL= 0.66 (J) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286074	T256	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:53:19 2018 Page 1
ID:2WGIEY7GB80O3kKBOcC5yzyemsm-_rfxgr3bUrYYtJkAv0aTrWubyRtlM4zGQVKtOKzsYb_



[M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
N - A	2x4	DRY	No.2	SPF
A - B	2x4	DRY	No.2	SPF
B - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
N - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	6.0		
B	TTWW+m	MT20	5.0	6.0		
C	TTWW-m	MT20	5.0	6.0	2.25	1.75
D	TMW+w	MT20	2.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMWW-t	MT20	4.0	4.0		
G	TMVW-t	MT20	5.0	6.0		
H	BMV1+p	MT20	3.0	4.0		
I	BMWW-t	MT20	5.0	6.0		
J	BS-t	MT20	3.0	6.0		
K	BMWWW-t	MT20	5.0	6.0		
L	BMWW-t	MT20	4.0	4.0		
M	BMWW-t	MT20	5.0	6.0		
N	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	FACTORED GROSS REACTION HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	MAXIMUM FACTORED GROSS REACTION HORZ	MAXIMUM FACTORED GROSS REACTION UPLIFT	INPUT BRG	REQRD BRG
N	1361	0	1361	0	0	1-8	1-8
H	1361	0	1361	0	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0
H	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) N, H

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.33 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB.	FR-TO	MAX. FACTORED FORCE (LBS)	FROM	TO	VERT. LOAD LC1 (PLF)	MAX CSI (LC)	MAX. UNBRAC LENGTH
N-A		-1312 / 0	0.0	0.0	0.35 (1)	7.06	
A-B		-1136 / 0	-84.3	-84.3	0.24 (1)	5.66	
B-C		-1438 / 0	-84.3	-84.3	0.05 (1)	5.41	
C-D		-1793 / 0	-84.3	-84.3	0.56 (1)	4.36	
D-E		-1793 / 0	-84.3	-84.3	0.57 (1)	4.33	
E-F		-1793 / 0	-84.3	-84.3	0.57 (1)	4.33	
F-G		-1422 / 0	-84.3	-84.3	0.54 (1)	4.79	
H-G		-1286 / 0	0.0	0.0	0.57 (1)	7.11	
N-M		0 / 0	-28.0	-28.0	0.10 (2)	10.00	
M-L		0 / 1156	-28.0	-28.0	0.30 (2)	10.00	
L-K		0 / 1198	-28.0	-28.0	0.34 (2)	10.00	
K-J		0 / 1422	-28.0	-28.0	0.44 (2)	10.00	
J-I		0 / 1422	-28.0	-28.0	0.44 (2)	10.00	
I-H		0 / 0	-28.0	-28.0	0.27 (3)	10.00	

WEBS MEMB.	FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A-M		0 / 1618	0.36 (1)
M-B		-1103 / 0	0.29 (1)
B-L		0 / 61	0.02 (1)
L-C		0 / 177	0.04 (3)
I-G		0 / 1779	0.40 (1)
C-K		0 / 748	0.17 (1)
I-F		-872 / 0	0.34 (1)
K-D		-571 / 0	0.22 (1)
K-F		0 / 470	0.11 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.16")

CSI: TC=0.57/1.00 (D-F:1) , BC=0.44/1.00 (I-K:2) , WB=0.40/1.00 (G-I:1) , SSI=0.25/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (G) (INPUT = 0.90)
JSI METAL= 0.36 (J) (INPUT = 1.00)

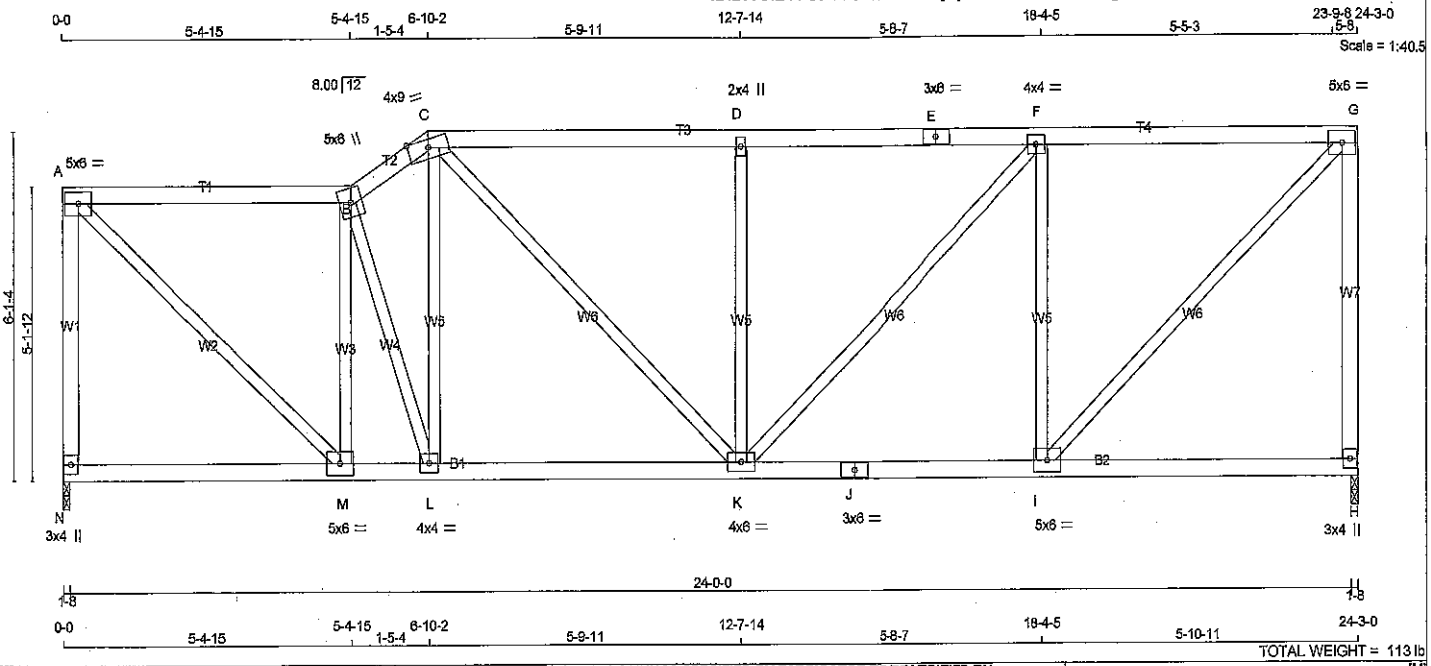
DWG NO. TAM 5140-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286074	T257	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:53:20 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-S1DJtB4DF8gPVTJNTk5iOjRg3rEB5V8Pf94QwnzsYaz



TOTAL WEIGHT = 113 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
N - A	2x4	DRY	No.2	SPF
A - B	2x4	DRY	No.2	SPF
B - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
N - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	6.0		
B	TTWW+m	MT20	5.0	6.0		
C	TTWW-m	MT20	4.0	8.0	Edge	
D	TMW+w	MT20	2.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMWW-t	MT20	4.0	4.0		
G	TMVW-t	MT20	5.0	6.0		
H	BMV1+p	MT20	3.0	4.0		
I	BMWW-t	MT20	5.0	6.0		
J	BS-t	MT20	3.0	6.0		
K	BMWWW-t	MT20	4.0	6.0		
L	BMWW-t	MT20	4.0	4.0		
M	BMWW-t	MT20	5.0	6.0		
N	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
N	1361	0	1361	0	0	1-8	1-8
H	1361	0	1361	0	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0
H	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) N, H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.84 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
FR-TO					
N- A	-1298 / 0	0.0	0.0	0.59 (1)	7.06
A- B	-1173 / 0	-84.3	-84.3	0.47 (1)	5.23
B- C	-1393 / 0	-84.3	-84.3	0.05 (1)	5.48
C- D	-1474 / 0	-84.3	-84.3	0.44 (1)	4.87
D- E	-1474 / 0	-84.3	-84.3	0.45 (1)	4.84
E- F	-1474 / 0	-84.3	-84.3	0.45 (1)	4.84
F- G	-1108 / 0	-84.3	-84.3	0.43 (1)	5.43
H- G	-1294 / 0	0.0	0.0	0.93 (1)	7.10
N- M	0 / 0	-28.0	-28.0	0.15 (2)	10.00
M- L	0 / 1194	-28.0	-28.0	0.30 (2)	10.00
L- K	0 / 1163	-28.0	-28.0	0.31 (2)	10.00
K- J	0 / 1108	-28.0	-28.0	0.36 (2)	10.00
J- I	0 / 1108	-28.0	-28.0	0.36 (2)	10.00
I- H	0 / 0	-28.0	-28.0	0.23 (3)	10.00

WEBS

MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		
A- M	0 / 1590	0.36 (1)
M- B	-956 / 0	0.37 (1)
B- L	-114 / 0	0.05 (1)
L- C	0 / 252	0.06 (2)
I- G	0 / 1557	0.35 (1)
C- K	0 / 441	0.10 (1)
I- F	-911 / 0	0.53 (1)
K- D	-525 / 0	0.31 (1)
K- F	0 / 523	0.12 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.61")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.61")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.14")

CSI: TC=0.93/1.00 (G-H:1) , BC=0.36/1.00 (I-K:2) , WB=0.53/1.00 (F-I:1) , SSI=0.23/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

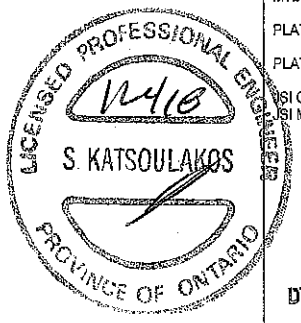
NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1655

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP= 0.86 (C) (INPUT = 0.90)
SI METAL= 0.34 (J) (INPUT = 1.00)



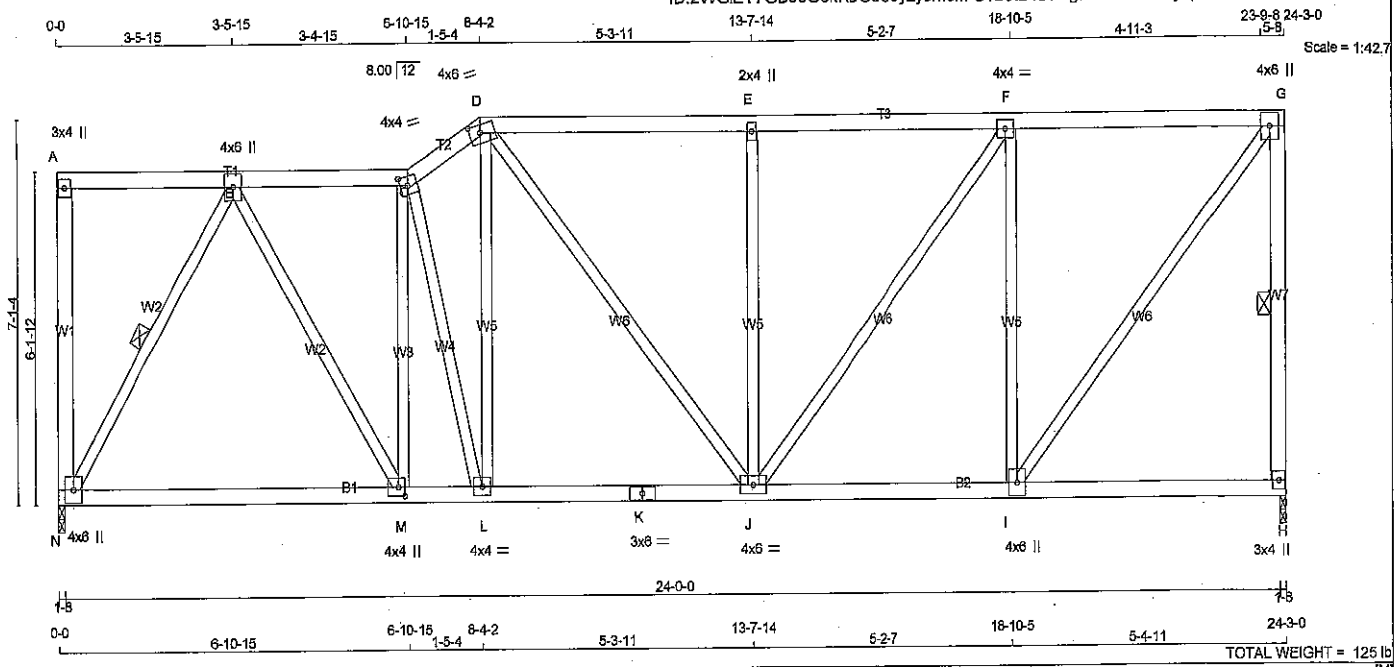
DWG NO. TAM 5141 -T8
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286074	T258	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:53:20 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-S1DJtB4DF8gPVTJNTk5iOjRp1rDz5RWPf94QwnzsYaz



TOTAL WEIGHT = 125 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
N - A	2x4	DRY	No.2	SPF
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
N - K	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWW+t	MT20	4.0	6.0		
C	TTWW-m	MT20	4.0	4.0	2.00	1.75
D	TTWW-m	MT20	4.0	6.0	1.75	2.50
E	TMW+w	MT20	2.0	4.0		
F	TMWW-t	MT20	4.0	4.0		
G	TMWW+p	MT20	4.0	6.0		
H	BMV1+p	MT20	3.0	4.0		
I	BMWW+t	MT20	4.0	6.0		
J	BMWWW-t	MT20	4.0	6.0		
K	BS-t	MT20	3.0	6.0		
L	BMWW-t	MT20	4.0	4.0		
M	BMWW+t	MT20	4.0	4.0	2.00	1.50
N	BMVW1+p	MT20	4.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
N	1361	0	1361	0	0	1-8	1-8
H	1361	0	1361	0	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0
H	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) N, H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.32 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF G-H, B-N.

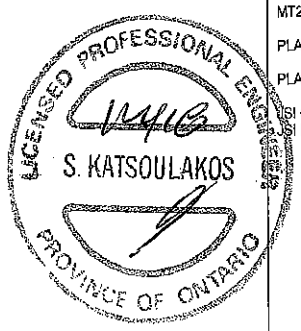
END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
N- A	-112 / 0	0.0	0.0	0.06 (1)	7.81
A- B	0 / 0	-84.3	-84.3	0.17 (1)	10.00
B- C	-1160 / 0	-84.3	-84.3	0.19 (1)	5.69
C- D	-1318 / 0	-84.3	-84.3	0.05 (1)	5.60
D- E	-1233 / 0	-84.3	-84.3	0.35 (1)	5.35
E- F	-1233 / 0	-84.3	-84.3	0.36 (1)	5.32
F- G	-883 / 0	-84.3	-84.3	0.34 (1)	6.05
H- G	-1300 / 0	0.0	0.0	0.30 (1)	5.66
N- M	0 / 700	-28.0	-28.0	0.37 (2)	10.00
M- L	0 / 1171	-28.0	-28.0	0.44 (2)	10.00
L- K	0 / 1101	-28.0	-28.0	0.28 (2)	10.00
K- J	0 / 1101	-28.0	-28.0	0.28 (2)	10.00
J- I	0 / 883	-28.0	-28.0	0.29 (2)	10.00
I- H	0 / 0	-28.0	-28.0	0.19 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
N- B	-1365 / 0	0.42 (1)
B- M	0 / 936	0.21 (1)
M- C	-621 / 0	0.37 (1)
C- L	-292 / 0	0.19 (1)
L- D	0 / 328	0.07 (2)
I- G	0 / 1423	0.32 (1)
D- J	0 / 214	0.05 (1)
I- F	-950 / 0	0.83 (1)
J- E	-479 / 0	0.42 (1)
J- F	0 / 576	0.13 (1)



DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.15")

CSI: TC=0.36/1.00 (E-F:1) , BC=0.44/1.00 (L-M:2) , WB=0.83/1.00 (F-I:1) , SSI=0.21/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1867	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

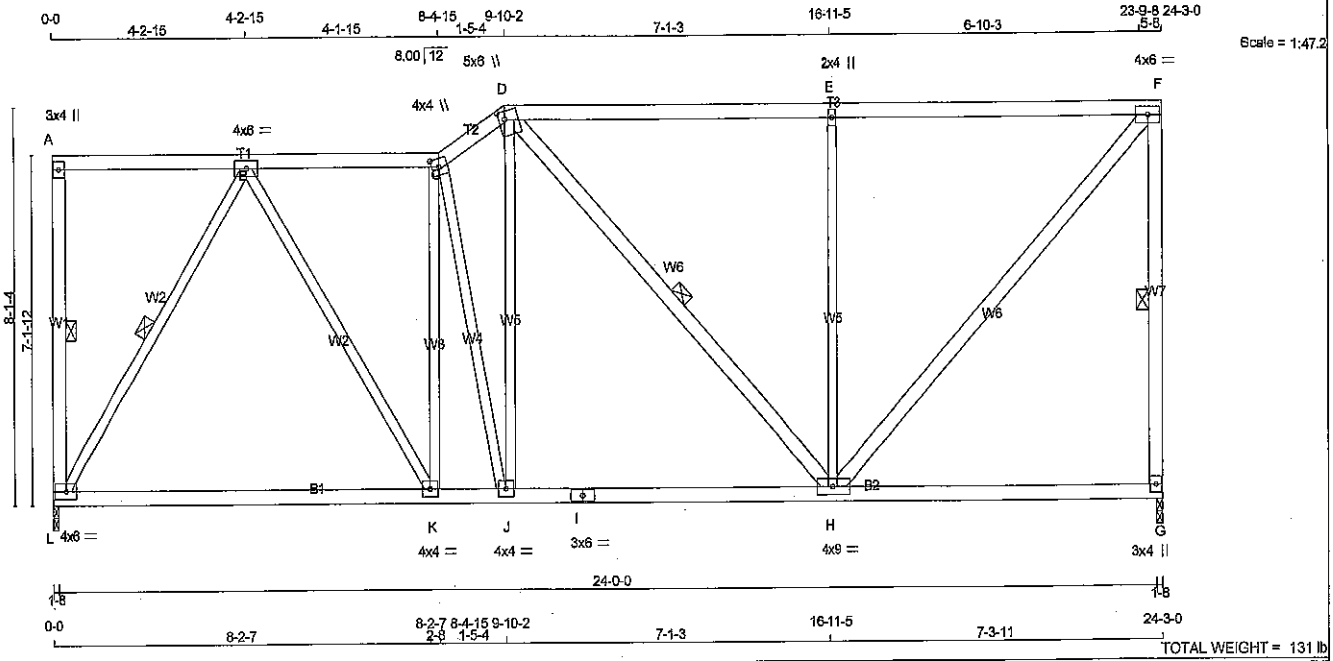
SI GRIP= 0.69 (M) (INPUT = 0.90)
SI METAL= 0.38 (K) (INPUT = 1.00)

DWG NO. TAM 5142-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286074	T259	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:53:21 2018 Page 1
ID:2WGIEY7GB80O3kKBOcC5yzyemsm-wDnh5X4s0SoG7duZ0RdxwX_tRFWlqsoZupp_SDzsYay



TOTAL WEIGHT = 131 lb

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
L - A	2x4	DRY	No.2	SPF
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
L - I	2x4	DRY	No.2	SPF
I - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
D - H	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWW-t	MT20	4.0	6.0		
C	TTWW+m	MT20	4.0	4.0	2.00	1.75
D	TTWW+m	MT20	5.0	6.0	2.00	1.50
E	TMW+w	MT20	2.0	4.0		
F	TMVW-t	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMWWW-t	MT20	4.0	9.0		
I	BS-t	MT20	3.0	6.0		
J	BMWW-t	MT20	4.0	4.0		
K	BMWW-t	MT20	4.0	4.0		
L	BMVW1-t	MT20	4.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
L	1361	0	1361	0	0	1-8	1-8
G	1361	0	1361	0	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0
G	1116	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) L, G

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.74 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF A-L, F-G, D-H, B-L.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
L- A	-136 / 0	0.0	0.0	0.03 (1)		6.25
A- B	0 / 0	-84.3	-84.3	0.25 (1)		10.00
B- C	-1112 / 0	-84.3	-84.3	0.27 (1)		5.65
C- D	-1229 / 0	-84.3	-84.3	0.05 (1)		5.75
D- E	-974 / 0	-84.3	-84.3	0.83 (1)		4.74
E- F	-974 / 0	-84.3	-84.3	0.83 (1)		4.74
G- F	-1281 / 0	0.0	0.0	0.38 (1)		5.69
L- K	0 / 701	-28.0	-28.0	0.53 (2)		10.00
K- J	0 / 1119	-28.0	-28.0	0.59 (2)		10.00
J- I	0 / 1029	-28.0	-28.0	0.51 (2)		10.00
I- H	0 / 1029	-28.0	-28.0	0.51 (2)		10.00
H- G	0 / 0	-28.0	-28.0	0.39 (3)		10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
K- C	-451 / 0	0.40 (1)
C- J	-438 / 0	0.42 (1)
J- D	0 / 453	0.10 (1)
D- H	-81 / 0	0.05 (1)
H- E	-754 / 0	0.95 (1)
H- F	0 / 1432	0.23 (1)
L- B	-1331 / 0	0.57 (1)
B- K	0 / 807	0.18 (1)

[M]

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.18")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 975 (0.30")

CSI: TC=0.83/1.00 (E-F:1) , BC=0.59/1.00 (J-K:2) , WB=0.95/1.00 (E-H:1) , SSI=0.30/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (L) (INPUT = 0.90)
JSI METAL= 0.35 (I) (INPUT = 1.00)

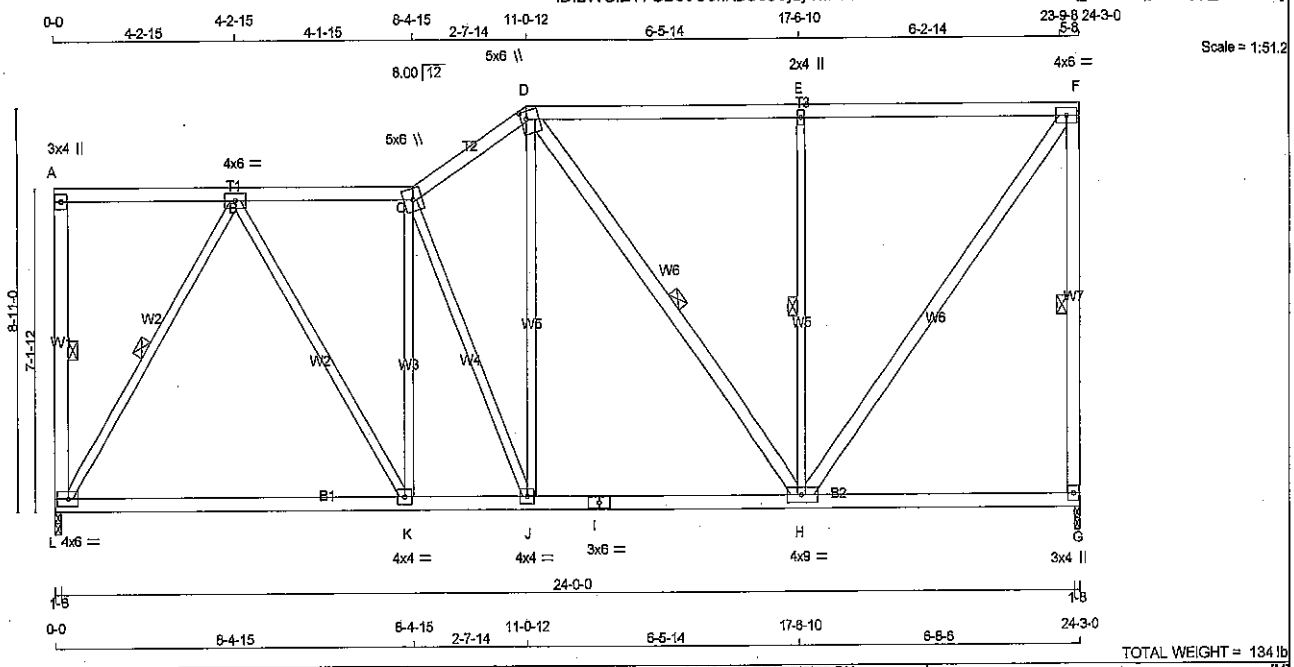
DWG NO. TAM 5143-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286074	T260	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:53:21 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-wDnh5X4s0SoG7duZ0RdxwxvzFXHqymZupp_SDzsYay



TOTAL WEIGHT = 134 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
L - A	2x4	DRY	No.2	SPF
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
L - I	2x4	DRY	No.2	SPF
I - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
D - H	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWW-t	MT20	4.0	6.0		
C	TTWW+m	MT20	5.0	6.0		
D	TTWW+m	MT20	5.0	6.0	2.00	1.50
E	TMW+w	MT20	2.0	4.0		
F	TMVW-t	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMWWW-t	MT20	4.0	9.0		
I	BS-t	MT20	3.0	6.0		
J	BMWW-t	MT20	4.0	4.0		
K	BMWW-t	MT20	4.0	4.0		
L	BMVW1-t	MT20	4.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
L	1361	0	1361	0	0	1-8	1-8
G	1361	0	1361	0	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0
G	1118	620 / 0	255 / 0	0 / 0	0 / 0	243 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) L, G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.51 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF A-L, F-G, B-L, D-H, E-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM (PLF)	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
L- A	-136 / 0	0.0	0.0	0.03 (1)	6.25
A- B	0 / 0	-84.3	-84.3	0.25 (1)	10.00
B- C	-1110 / 0	-84.3	-84.3	0.27 (1)	5.66
C- D	-1141 / 0	-84.3	-84.3	0.12 (1)	5.82
D- E	-828 / 0	-84.3	-84.3	0.67 (1)	5.51
E- F	-828 / 0	-84.3	-84.3	0.67 (1)	5.51
G- F	-1289 / 0	0.0	0.0	0.47 (1)	5.68
L- K	0 / 700	-28.0	-28.0	0.50 (2)	10.00
K- J	0 / 1117	-28.0	-28.0	0.56 (2)	10.00
J- I	0 / 955	-28.0	-28.0	0.45 (2)	10.00
I- H	0 / 955	-28.0	-28.0	0.45 (2)	10.00
H- G	0 / 0	-28.0	-28.0	0.33 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
L- B	-1329 / 0	0.57 (1)
B- K	0 / 805	0.18 (1)
K- C	-465 / 0	0.41 (1)
C- J	-448 / 0	0.48 (1)
J- D	0 / 479	0.11 (1)
D- H	-210 / 0	0.13 (1)
H- E	-689 / 0	0.35 (1)
H- F	0 / 1358	0.22 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 8.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.19")
ALLOWABLE DEFL.(TL)= L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/ 922 (0.32")

CSI: TC=0.67/1.00 (E-F:1) , BC=0.56/1.00 (J-K:2) , WB=0.57/1.00 (B-L:1) , SSI=0.27/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (F) (INPUT = 0.90)
JSI METAL= 0.38 (I) (INPUT = 1.00)

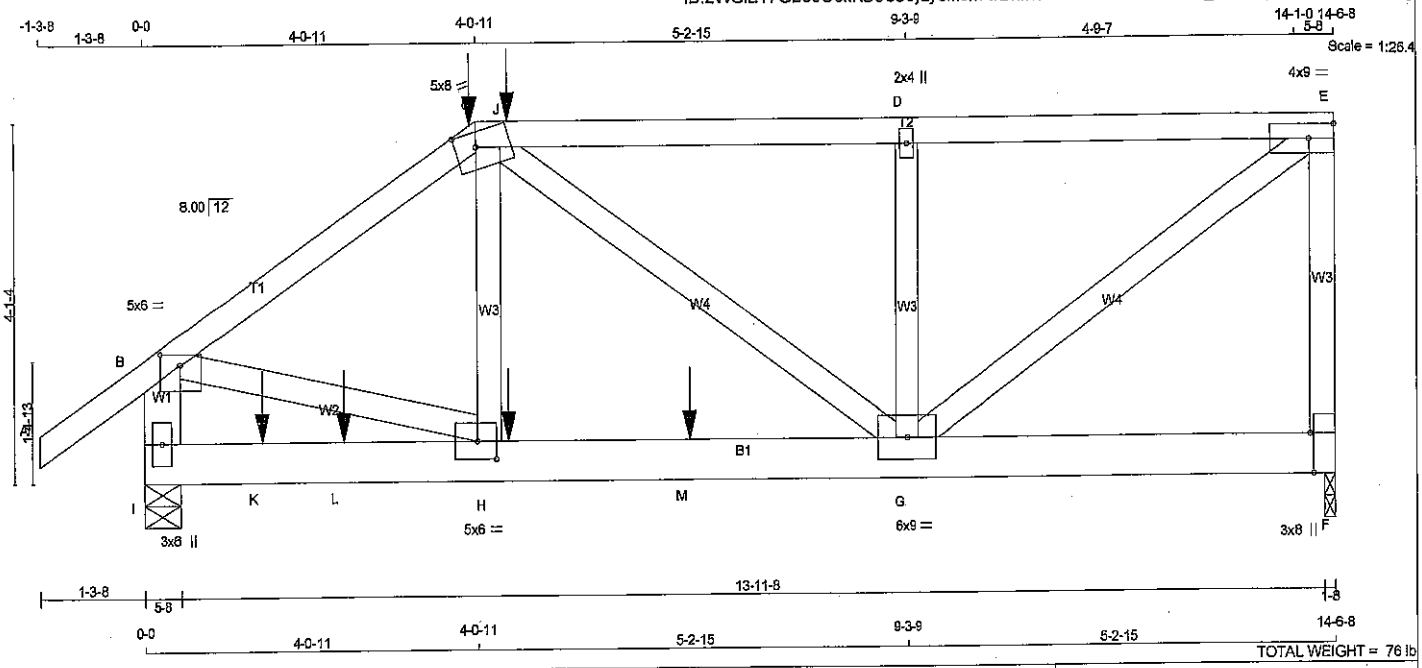
DWG NO. TAM 5144-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286074	T261	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:53:21 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-wDnh5X4s0SoG7duZ0Rdxwx_xHFXiq_WZupp_SDzsYay



TOTAL WEIGHT = 76 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
I - B	2x6	DRY	No.2	SPF
I - F	2x6	DRY	2100F 1.8E	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.50	3.00
C	TTWW-m	MT20	5.0	8.0	2.00	3.00
D	TMW+w	MT20	2.0	4.0		
E	TMVW-t	MT20	4.0	9.0		Edge
F	BMV1+p	MT20	3.0	8.0	Edge	0.50
G	BMWWW-t	MT20	6.0	9.0		
H	BMWW-t	MT20	5.0	6.0	2.50	2.75
I	BMV1+p	MT20	3.0	6.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 244.5 lbs FACTORED DOWN AT 4-0-11, AND 127.4 lbs FACTORED DOWN AT 4-5-4 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 1-5-4, 69.9 lbs FACTORED DOWN AT 2-5-4, AND 69.9 lbs FACTORED DOWN AT 4-5-4, AND 1142.3 lbs FACTORED DOWN AT 6-7-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
F	1466	0	1466	0	0	1-8	1-8
I	1916	0	1916	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	1181	692 / 0	245 / 0	0 / 0	0 / 0	244 / 0	0 / 0
I	1541	908 / 0	316 / 0	0 / 0	0 / 0	318 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F, I

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.21 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

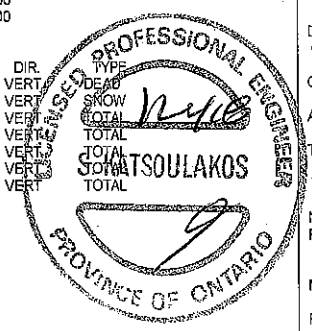
LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 32	-84.3	-84.3	0.12 (1)	10.00	H- C	0 / 576	0.10 (2)
B- C	-2189 / 0	-84.3	-84.3	0.36 (1)	4.21	C- G	-32 / 0	0.02 (3)
C- J	-1826 / 0	-84.3	-84.3	0.52 (1)	4.30	G- D	-553 / 0	0.10 (1)
J- D	-1826 / 0	-84.3	-84.3	0.52 (1)	4.30	G- E	0 / 2241	0.40 (1)
D- E	-1826 / 0	-84.3	-84.3	0.52 (1)	4.30	B- H	0 / 1889	0.33 (1)
F- E	-1466 / 0	0.0	0.0	0.37 (1)	6.72			
I- B	-1937 / 0	0.0	0.0	0.14 (1)	7.19			
I- K	0 / 0	-28.0	-28.0	0.21 (1)	10.00			
K- L	0 / 0	-28.0	-28.0	0.21 (1)	10.00			
L- H	0 / 0	-28.0	-28.0	0.21 (1)	10.00			
H- M	0 / 1839	-28.0	-28.0	0.53 (1)	10.00			
M- G	0 / 1839	-28.0	-28.0	0.53 (1)	10.00			
G- F	0 / 0	-28.0	-28.0	0.15 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	4-0-11	-23	-25	—	FRONT	VERT	DEAD
C	4-0-11	-222	-222	—	FRONT	VERT	SNOW
H	4-5-4	-40	-70	—	FRONT	VERT	TOTAL
J	4-5-4	-127	-127	—	FRONT	VERT	TOTAL
K	1-5-4	-40	-70	—	FRONT	VERT	TOTAL
L	2-5-4	-40	-70	—	FRONT	VERT	TOTAL
M	6-7-8	-1142	-1142	—	FRONT	VERT	TOTAL



DWG NO. TAM 5145-18
STRUCTURAL COMPONENT ONLY

[M]

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

*** NON STANDARD GIRDER ***
ADDT'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.48")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.48")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.14")

CSI: TC=0.52/1.00 (C-D:1) , BC=0.53/1.00 (G-H:1) , WB=0.40/1.00 (E-G:1) , SSI=0.48/1.00 (G-H:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

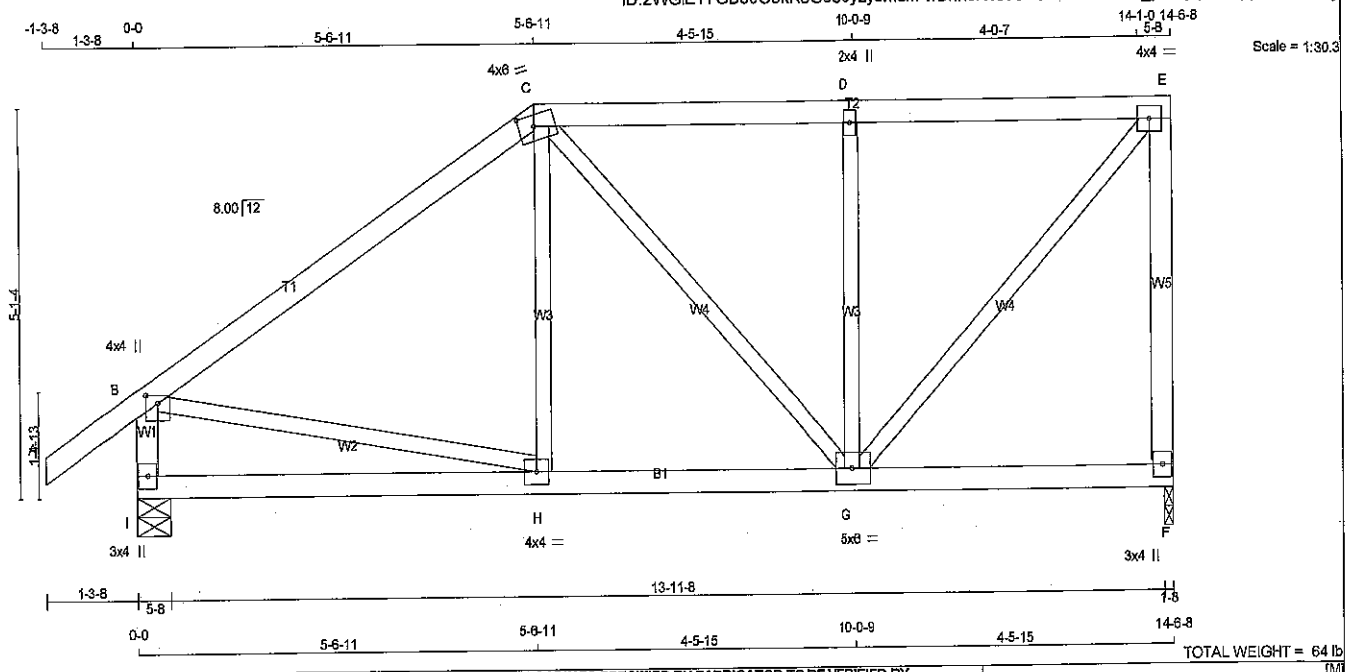
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (G) (INPUT = 0.90)
JSI METAL= 0.46 (H) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286074	T262	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:53:21 2018 Page 1
ID:2WGlEY7GB80O3kKBOcC5yzyemsm-wDnh5X4s0SoG7duZ0RdxwxJytFbyq2kZupp_SDzsYay



TOTAL WEIGHT = 64 lb

[M

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
I - B	2x4	DRY	No.2	SPF
I - F	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
C	TTWW-m	MT20	4.0	6.0	1.75	2.50
D	TMW+w	MT20	2.0	4.0		
E	TMVW-t	MT20	4.0	4.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMWWW-t	MT20	5.0	6.0		
H	BMWW-t	MT20	4.0	4.0		
I	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
F	816	0	816	0	0	1-8	1-8
I	932	0	932	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	670	372 / 0	153 / 0	0 / 0	0 / 0	145 / 0	0 / 0
I	749	442 / 0	153 / 0	0 / 0	0 / 0	154 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F, I

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 32	-84.3	-84.3	0.11 (1)	10.00	H- C	0 / 221	0.05 (3)
B- C	-723 / 0	-84.3	-84.3	0.48 (1)	6.25	C- G	-57 / 0	0.04 (3)
C- D	-579 / 0	-84.3	-84.3	0.28 (1)	6.25	G- D	-466 / 0	0.16 (1)
D- E	-580 / 0	-84.3	-84.3	0.28 (1)	6.25	G- E	0 / 845	0.19 (1)
F- E	-762 / 0	0.0	0.0	0.34 (1)	7.81	B- H	0 / 611	0.14 (1)
I- B	-866 / 0	0.0	0.0	0.09 (1)	7.81			
I- H	0 / 0	-28.0	-28.0	0.19 (3)	10.00			
H- G	0 / 601	-28.0	-28.0	0.26 (2)	10.00			
G- F	0 / 0	-28.0	-28.0	0.12 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.48")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.48")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.07")

CSI: TC=0.48/1.00 (B-C:1) , BC=0.26/1.00 (G-H:2) , WB=0.19/1.00 (E-G:1) , SSI=0.18/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

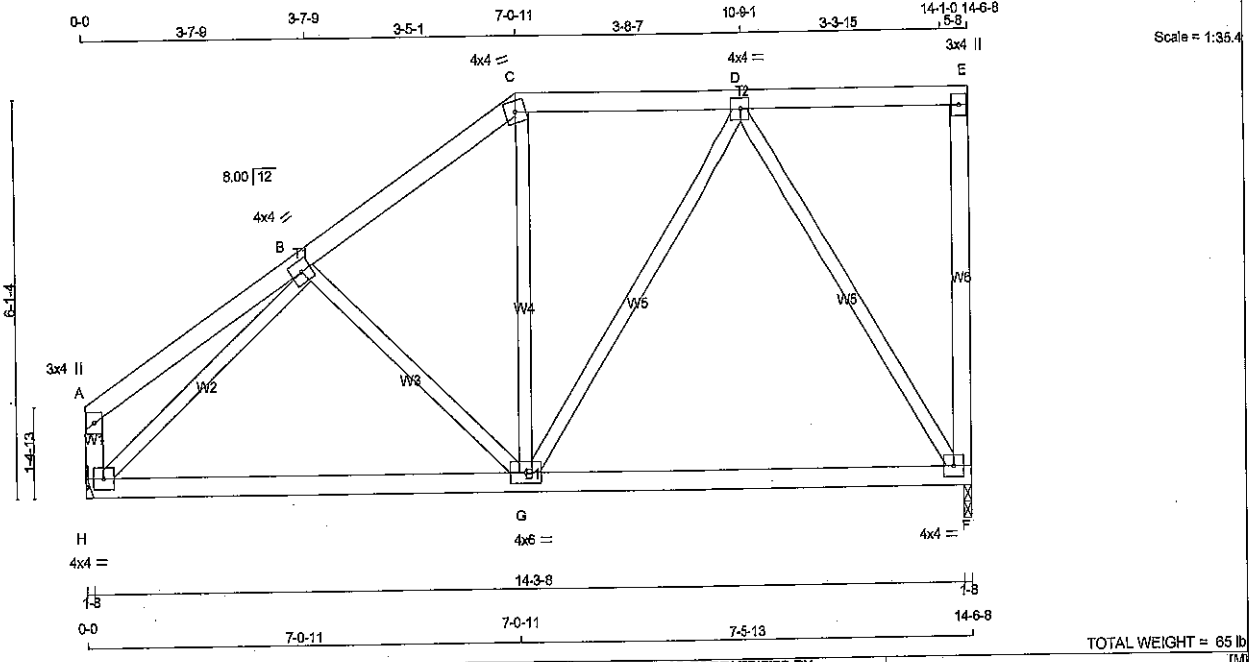
JSI GRIP= 0.87 (E) (INPUT = 0.90)
JSI METAL= 0.23 (H) (INPUT = 1.00)

DWG NO. TAM 5146 -18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286074	T263	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:53:22 2018 Page 1
ID:2WGIEY7GB80O3kKBOcC5yzyemsm-OQL4Is5Unmw7InTla98AT8WB0fuOZNui6SZX_fzsYax



TOTAL WEIGHT = 65 lb [M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
H - A	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN Y	X
A	TMV+p	MT20	3.0	4.0	
B	TMWW-t	MT20	4.0	4.0	
C	TTW-m	MT20	4.0	4.0	
D	TMWW-t	MT20	4.0	4.0	
E	TMV+p	MT20	3.0	4.0	
F	BMVW1-t	MT20	4.0	4.0	
G	BMWWW-t	MT20	4.0	6.0	
H	BMVW1-t	MT20	4.0	4.0	

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
F	816	0	816	0	0	IN-SX 1-8	IN-SX 1-8
H	816	0	816	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	670	372 / 0	153 / 0	0 / 0	0 / 0	145 / 0	0 / 0
H	670	372 / 0	153 / 0	0 / 0	0 / 0	145 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 19	-84.3	-84.3	0.16 (1)	10.00	
B- C	-667 / 0	-84.3	-84.3	0.17 (1)	6.25	
C- D	-540 / 0	-84.3	-84.3	0.20 (1)	6.25	
D- E	0 / 0	-84.3	-84.3	0.19 (1)	10.00	
F- E	-122 / 0	0.0	0.0	0.09 (1)	7.81	
H- A	-114 / 0	0.0	0.0	0.01 (1)	7.81	
H- G	0 / 643	-28.0	-28.0	0.50 (2)	10.00	
G- F	0 / 400	-28.0	-28.0	0.48 (2)	10.00	

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
B- G	-145 / 46	0.06 (1)
G- C	0 / 190	0.04 (2)
G- D	0 / 305	0.07 (2)
D- F	-734 / 0	0.64 (1)
H- B	-898 / 0	0.35 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.48")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.48")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.15")

CSI: TC=0.20/1.00 (C-D:1) , BC=0.50/1.00 (G-H:2) , WB=0.64/1.00 (D-F:1) , SSI=0.17/1.00 (F-G:3)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	818	354	1667	822	2264	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.76 (B) (INPUT = 0.90)
JSI METAL= 0.32 (B) (INPUT = 1.00)

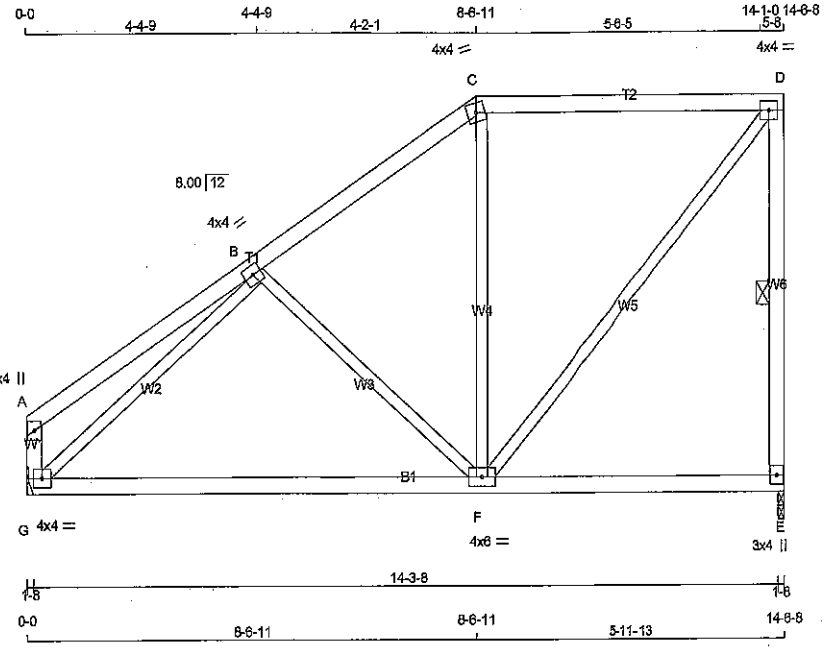
DWG NO. TAM 5147-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286074	T264	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:53:22 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-OQL4Is5Unmw7InTla98AT8W83ftkZQQi6SZX_fzsYax



TOTAL WEIGHT = 65 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
E - D	2x4	DRY	No.2	SPF
G - A	2x4	DRY	No.2	SPF
G - E	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN Y	X
A	TMV+p	MT20	3.0	4.0	
B	TMWW-t	MT20	4.0	4.0	
C	TTW-m	MT20	4.0	4.0	
D	TMVW-t	MT20	4.0	4.0	
E	BMV1+p	MT20	3.0	4.0	
F	BMWWW-t	MT20	4.0	6.0	
G	BMVW1-t	MT20	4.0	4.0	

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
E	816	0	816	0	0	1-8	1-8
G	816	0	816	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	670	372 / 0	153 / 0	0 / 0	0 / 0	145 / 0	0 / 0
G	670	372 / 0	153 / 0	0 / 0	0 / 0	145 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF D-E.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 24	-84.3	-84.3	0.25 (1)	10.00	B- F	-247 / 20	0.15 (1)
B- C	-562 / 0	-84.3	-84.3	0.20 (1)	6.25	F- C	-92 / 139	0.08 (1)
C- D	-446 / 0	-84.3	-84.3	0.39 (1)	6.25	F- D	0 / 662	0.15 (1)
E- D	-767 / 0	0.0	0.0	0.17 (1)	6.25	G- B	-858 / 0	0.48 (1)
G- A	-137 / 0	0.0	0.0	0.01 (1)	7.81			
G- F	0 / 632	-28.0	-28.0	0.55 (2)	10.00			
F- E	0 / 0	-28.0	-28.0	0.48 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.48")
CALCULATED VERT. DEFL.(LL) = L/ 858 (0.20")
ALLOWABLE DEFL.(TL)= L/360 (0.48")
CALCULATED VERT. DEFL.(TL) = L/ 515 (0.34")

CSI: TC=0.39/1.00 (C-D:1) , BC=0.55/1.00 (F-G:2) , WB=0.48/1.00 (B-G:1) , SSI=0.20/1.00 (F-G:3)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1567	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

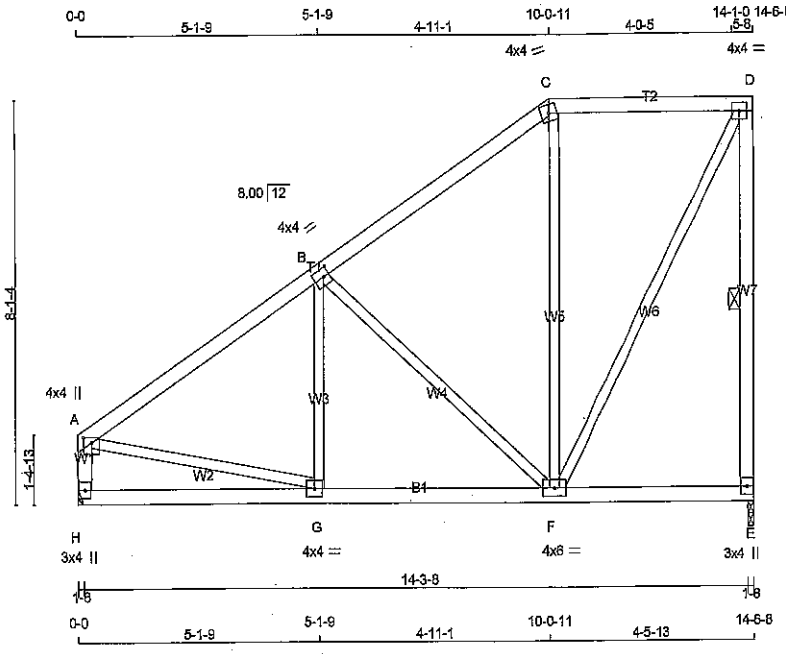
JSI GRIP= 0.85 (F) (INPUT = 0.90)
JSI METAL= 0.29 (B) (INPUT = 1.00)

DWG NO. TAM S148-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286074	T265	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:53:22 2018 Page 1
ID:2WGIEY7GB80O3kKBOcC5yzyemsm-OQL4Is5Unmw7InTla98AT8WAjfyMZRpi6SZX_fzsYax



TOTAL WEIGHT = 71 lb

[M][F]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
E - D	2x4	DRY	No.2	SPF
H - A	2x4	DRY	No.2	SPF
H - E	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.25	2.00
B	TMWW-t	MT20	4.0	4.0	2.00	1.50
C	TTW-m	MT20	4.0	4.0		
D	TMVW-t	MT20	4.0	4.0		
E	BMV1+p	MT20	3.0	4.0		
F	BMWWW-t	MT20	4.0	6.0		
G	BMWW-t	MT20	4.0	4.0		
H	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
E	816	0	816	0	0	1-8	1-8
H	816	0	816	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	670	372 / 0	153 / 0	0 / 0	0 / 0	145 / 0	0 / 0
H	670	372 / 0	153 / 0	0 / 0	0 / 0	145 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

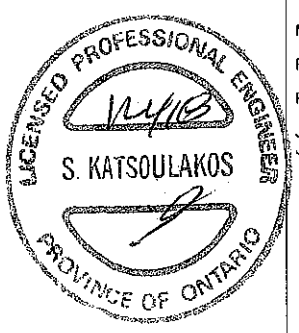
1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF D-E.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	-783 / 0	-84.3	-84.3	0.28 (1)	6.25
B- C	-422 / 0	-84.3	-84.3	0.27 (1)	6.25
C- D	-325 / 0	-84.3	-84.3	0.22 (1)	6.25
E- D	-767 / 0	0.0	0.0	0.23 (1)	8.25
H- A	-757 / 0	0.0	0.0	0.08 (1)	7.81
H- G	0 / 0	-28.0	-28.0	0.17 (3)	10.00
G- F	0 / 675	-28.0	-28.0	0.25 (2)	10.00
F- E	0 / 0	-28.0	-28.0	0.14 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
G- B	0 / 209	0.05 (3)
B- F	-467 / 0	0.39 (1)
F- C	-126 / 84	0.16 (1)
F- D	0 / 664	0.15 (1)
A- G	0 / 690	0.16 (1)



DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.48")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.48")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.05")

CSI: TC=0.28/1.00 (A-B:1) , BC=0.25/1.00 (F-G:2) , WB=0.39/1.00 (B-F:1) , SSI=0.17/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

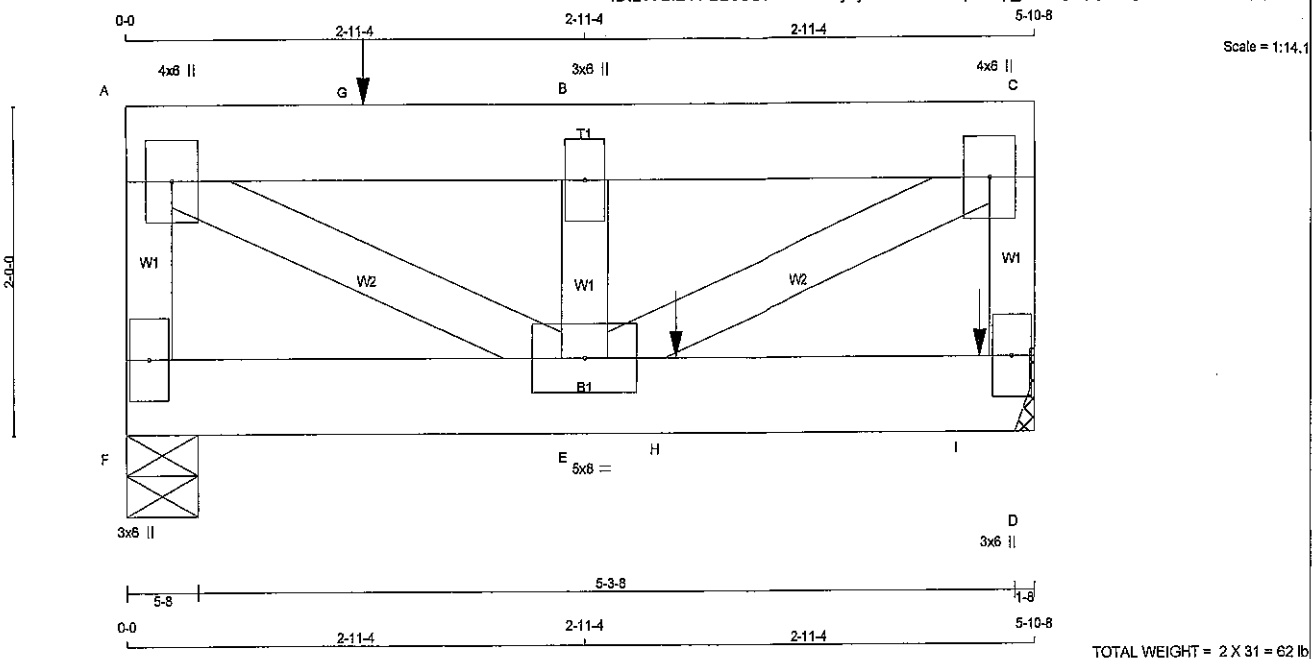
JSI GRIP= 0.85 (F) (INPUT = 0.90)
JSI METAL= 0.25 (G) (INPUT = 1.00)

DWG NO. TAM S149-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T266	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:39 2017 Page 1
ID:2WGIEY7GB80O3kKBOcC5yzyemsm-1hrZMpMIKp_YMl8ryvq?jasPg38?dSrDHf4s_dyehYc



TOTAL WEIGHT = 2 X 31 = 62 lb

[M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
F - A	2x4	DRY	No.2	SPF
A - C	2x6	DRY	No.2	SPF
D - C	2x4	DRY	No.2	SPF
F - D	2x8	DRY	No.2	SPF
ALL WEBS	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
F- A	1	12	TOP
C- D	1	12	TOP
A- C	2	12	SIDE(0.0)
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
F- D	2	12	SIDE(122.0)
WEBS : (0.122"X3") SPIRAL NAILS			
2x4	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	6.0		
B	TMW+w	MT20	3.0	6.0		
C	TMVW+p	MT20	4.0	6.0		
D	BMV1+p	MT20	3.0	6.0		
E	BMWWW-t	MT20	5.0	6.0		
F	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 753.5 lbs FACTORED DOWN AT 1-6-4 ON TOP CHORD, AND 421.0 lbs FACTORED DOWN AT 3-6-4, AND 418.4 lbs FACTORED DOWN AT 5-6-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
F	1082	0	1082	0	0	5-8	5-8
D	1170	0	1170	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	855	529 / 0	158 / 0	0 / 0	0 / 0	168 / 0	0 / 0
D	936	560 / 0	186 / 0	0 / 0	0 / 0	190 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
F- A	-1045 / 0	0.0	0.0	0.06 (1)	7.81	A- E	0 / 1318	0.12 (1)
A- G	-1167 / 0	-84.3	-84.3	0.21 (1)	6.25	E- B	-746 / 0	0.04 (1)
G- B	-1167 / 0	-84.3	-84.3	0.21 (1)	6.25	E- C	0 / 1318	0.12 (1)
B- C	-1167 / 0	-84.3	-84.3	0.06 (1)	6.25			
D- C	-682 / 0	0.0	0.0	0.04 (1)	7.81			
F- E	0 / 0	-28.0	-28.0	0.02 (3)	10.00			
E- H	0 / 0	-28.0	-28.0	0.09 (1)	10.00			
H- I	0 / 0	-28.0	-28.0	0.09 (1)	10.00			
I- D	0 / 0	-28.0	-28.0	0.09 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
G	1-6-4	-754	-754	---	FRONT	VERT	TOTAL
H	3-6-4	-421	-421	---	FRONT	VERT	TOTAL
I	5-6-4	-418	-418	---	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.01")
ALLOWABLE DEFL.(TL)= L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.01")

CSI: TC=0.21 (A-B:1) , BC=0.09 (D-E:1) , WB=0.12 (A-E:1) , SSI=0.19 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

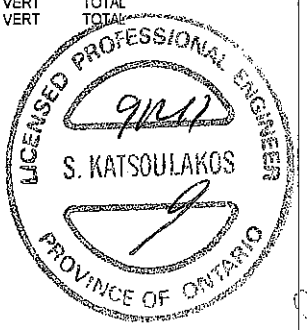
NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	622	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.58 (A) (INPUT = 0.90)
JSI METAL= 0.19 (C) (INPUT = 1.00)



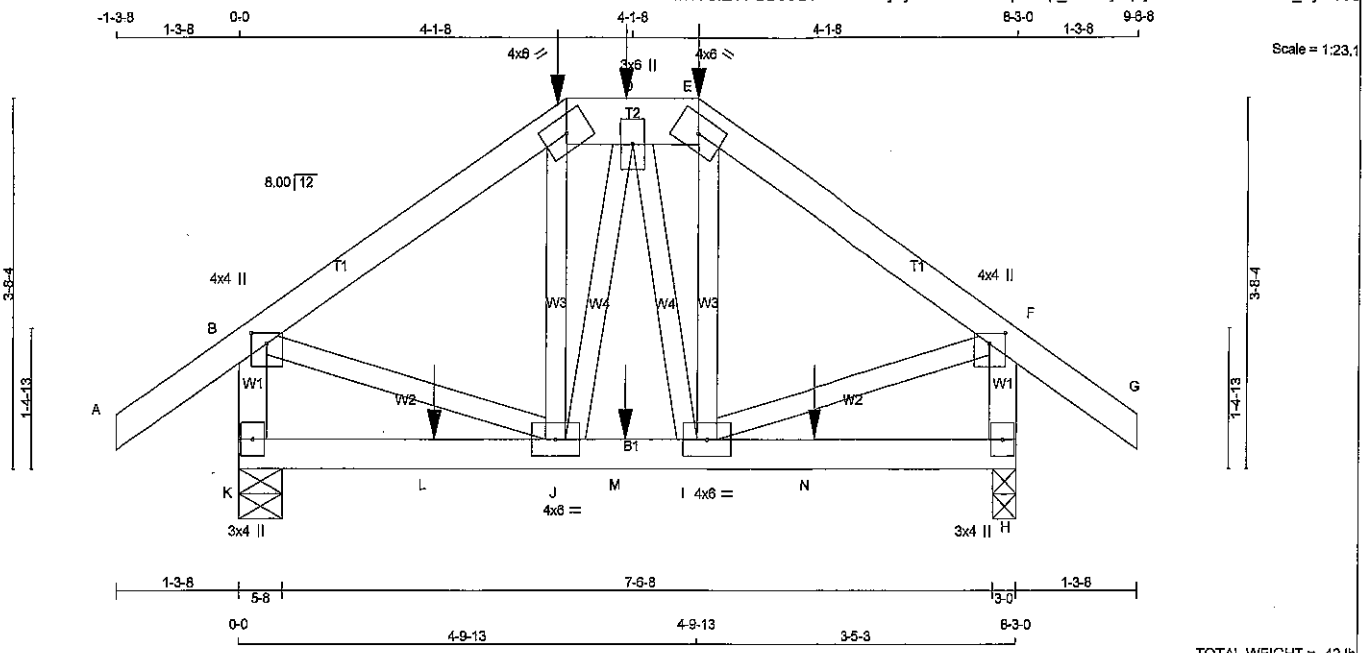
DWG NO. TAM 46110-17
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T267	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:39 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-1hrZMpMiKp_YMI8ryvq?jasPt37LdRRDHf4s_dyehYc



TOTAL WEIGHT = 42 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x6	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
K - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
C	TTW-h	MT20	4.0	6.0		
D	TMWW+t	MT20	3.0	6.0		
E	TTW-h	MT20	4.0	6.0		
F	TMVW+p	MT20	4.0	4.0	1.25	2.00
H	BMV1+p	MT20	3.0	4.0		
I	BMWWW-t	MT20	4.0	6.0		
J	BMWWW-t	MT20	4.0	6.0		
K	BMV1+p	MT20	3.0	4.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 244.5 lbs FACTORED DOWN AT 3-5-3, AND 244.5 lbs FACTORED DOWN AT 4-9-13, AND 19.7 lbs FACTORED DOWN AT 4-0-12 ON TOP CHORD, AND 5.4 lbs FACTORED DOWN AT 2-0-12, AND 5.4 lbs FACTORED DOWN AT 4-0-12, AND 5.4 lbs FACTORED DOWN AT 6-0-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
K	838	0	838	0	0	5-8	5-8
H	838	0	838	0	0	3-0	3-0

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	637	435 / 0	90 / 0	0 / 0	0 / 0	112 / 0	0 / 0
H	637	435 / 0	90 / 0	0 / 0	0 / 0	112 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) K, H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 32	-84.3	-84.3	0.12 (1)	10.00	J- C	-53 / 56	0.01 (3)
B- C	-657 / 0	-84.3	-84.3	0.20 (1)	6.25	I- E	-46 / 51	0.01 (3)
C- D	-548 / 0	-84.3	-84.3	0.02 (3)	6.25	B- J	0 / 575	0.14 (1)
D- E	-549 / 0	-84.3	-84.3	0.02 (3)	6.25	I- F	0 / 575	0.14 (1)
E- F	-657 / 0	-84.3	-84.3	0.20 (1)	6.25	J- D	-43 / 24	0.01 (1)
F- G	0 / 32	-84.3	-84.3	0.12 (1)	10.00	D- I	-51 / 29	0.01 (1)
K- B	-794 / 0	0.0	0.0	0.09 (1)	7.81			
H- F	-794 / 0	0.0	0.0	0.09 (1)	7.81			
K- L	0 / 0	-28.0	-28.0	0.08 (2)	10.00			
L- J	0 / 0	-28.0	-28.0	0.08 (2)	10.00			
J- M	0 / 558	-28.0	-28.0	0.13 (1)	10.00			
M- I	0 / 558	-28.0	-28.0	0.13 (1)	10.00			
I- N	0 / 0	-28.0	-28.0	0.08 (2)	10.00			
N- H	0 / 0	-28.0	-28.0	0.08 (2)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	3-5-3	-23	-25	—	FRONT	VERT	DEAD
C	3-5-3	-222	-222	—	FRONT	VERT	SNOW
D	4-0-12	-20	-20	—	BACK	VERT	TOTAL
E	4-9-13	-23	-25	—	FRONT	VERT	DEAD
E	4-9-13	-222	-222	—	FRONT	VERT	SNOW
L	2-0-12	-3	-5	—	BACK	VERT	TOTAL
M	4-0-12	-3	-5	—	BACK	VERT	TOTAL
N	6-0-12	-3	-5	—	BACK	VERT	TOTAL

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

*** NON STANDARD GIRDER ***
ADDT'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.28")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.01")
ALLOWABLE DEFL.(TL)= L/360 (0.28")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.01")

CSI: TC=0.20 (E-F:1) , BC=0.13 (I-J:1) , WB=0.14 (F-I:1) , SSI=0.10 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (J) (INPUT = 0.90)
JSI METAL= 0.19 (B) (INPUT = 1.00)

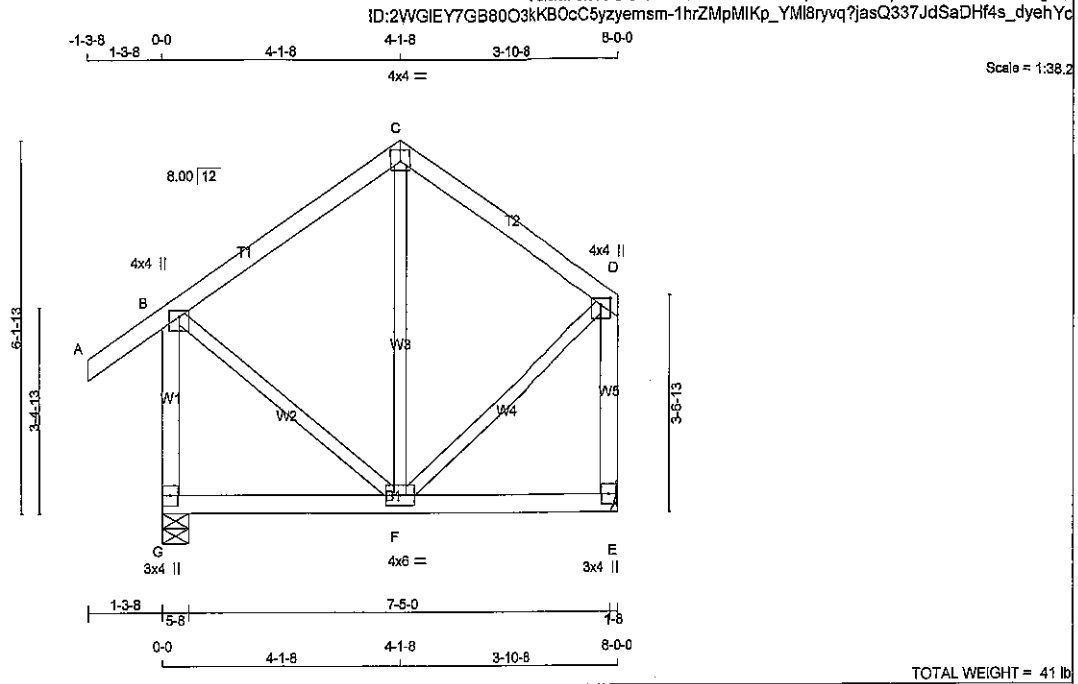
LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM46111-17
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T268A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:39 2017 Page 1
ID:2WGIEY7GB80O3kKBOcC5yzyemsm-1hrZMpMIKp_YMl8ryvq?jasQ337JdSaDHf4s_dyehYc



TOTAL WEIGHT = 41 lb

[M][F]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
G - B	2x4	DRY	No.2	SPF
E - D	2x4	DRY	No.2	SPF
G - E	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
C	TTW-p	MT20	4.0	4.0	2.25	2.00
D	TMVW+p	MT20	4.0	4.0	1.25	2.00
E	BMV1+p	MT20	3.0	4.0		
F	BMWWW-t	MT20	4.0	6.0		
G	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
G	565	0	565	0	0	5-8	5-8
E	449	0	449	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-6	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	447	275 / 0	84 / 0	0 / 0	0 / 0	88 / 0	0 / 0
E	369	205 / 0	84 / 0	0 / 0	0 / 0	80 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 32	-84.3	-84.3	0.11 (1)	10.00
B- C	-196 / 0	-84.3	-84.3	0.16 (1)	6.25
C- D	-196 / 0	-84.3	-84.3	0.16 (1)	6.25
G- B	-520 / 0	0.0	0.0	0.10 (1)	7.81
E- D	-408 / 0	0.0	0.0	0.09 (1)	7.81
G- F	0 / 0	-28.0	-28.0	0.13 (3)	10.00
F- E	0 / 0	-28.0	-28.0	0.13 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
F- C	-120 / 95	0.07 (1)
B- F	0 / 203	0.05 (1)
F- D	0 / 212	0.05 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.27")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.01")
ALLOWABLE DEFL.(TL)= L/360 (0.27")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.02")

CSI: TC=0.18 (B-C:1) , BC=0.13 (F-G:3) , WB=0.07 (C-F:1) , SSI=0.11 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	518	354	1687	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.36 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)

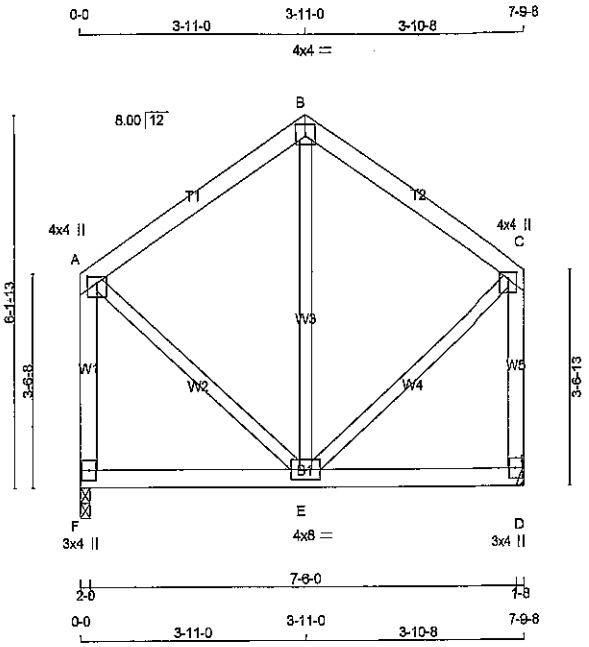
LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM46/12-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T268B	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:39 2017 Page 1
ID:2WGIEY7GB80O3kKBOcC5yzyemsm-1hrZMpMlKp_YMl8ryvq?jasQL38RdSYDHf4s_dyehYc



TOTAL WEIGHT = 39 lb

[M][F]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - B	2x4	DRY	No.2	SPF
B - C	2x4	DRY	No.2	SPF
F - A	2x4	DRY	No.2	SPF
D - C	2x4	DRY	No.2	SPF
F - D	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.25	2.00
B	TTW-p	MT20	4.0	4.0	2.25	2.00
C	TMVW+p	MT20	4.0	4.0	1.25	2.00
D	BMV1+p	MT20	3.0	4.0		
E	BMWWW-t	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
F	437	0	437	0	0	2-0	2-0
D	437	0	437	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	359	199 / 0	82 / 0	0 / 0	0 / 0	78 / 0	0 / 0
D	359	199 / 0	82 / 0	0 / 0	0 / 0	78 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM (PLF)	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A-B	-186 / 0	-84.3	-84.3	0.17 (1)	6.25	E-B	-122 / 89	0.07 (1)
B-C	-186 / 0	-84.3	-84.3	0.16 (1)	6.25	A-E	0 / 200	0.05 (1)
F-A	-395 / 0	0.0	0.0	0.08 (1)	7.81	E-C	0 / 202	0.05 (1)
D-C	-396 / 0	0.0	0.0	0.08 (1)	7.81			
F-E	0 / 0	-28.0	-28.0	0.12 (3)	10.00			
E-D	0 / 0	-28.0	-28.0	0.12 (3)	10.00			

DWG NO. TAM 46113-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.26")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.01")
ALLOWABLE DEFL.(TL)= L/360 (0.26")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.01")

CSI: TC=0.17 (A-B:1) , BC=0.12 (D-E:3) , WB=0.07 (B-E:1) , SSI=0.11 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1687	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

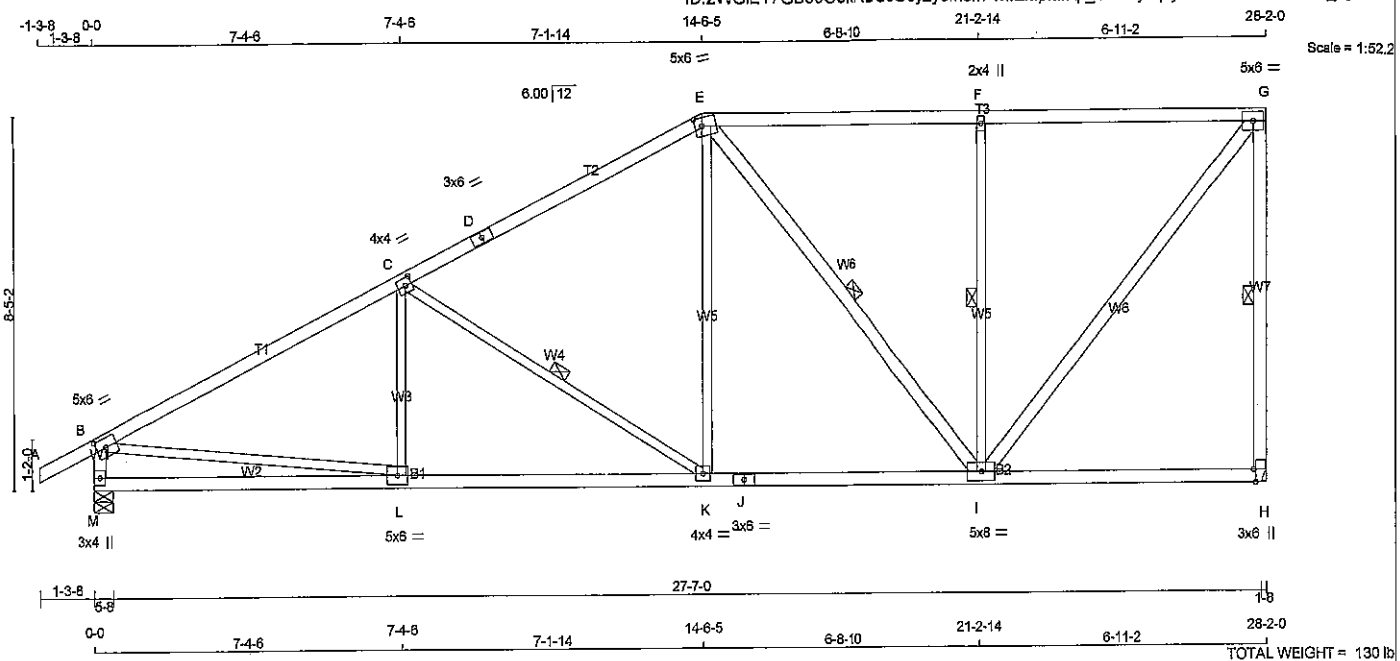
JSI GRIP= 0.28 (C) (INPUT = 0.90)
JSI METAL= 0.07 (A) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T269	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:39 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-1hrZMpMIKp_YMI8ryvq?jasH530udMRDHf4s_dyehYc



TOTAL WEIGHT = 130 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
M - B	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
E - I	2x4	DRY	No.2	SPF
I - G	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	6.0	2.50	2.75
C	TMWW-t	MT20	4.0	4.0	2.00	1.75
D	TS-t	MT20	3.0	6.0		
E	TTWW-m	MT20	5.0	6.0	2.25	2.00
F	TMW+w	MT20	2.0	4.0		
G	TMVW-t	MT20	5.0	6.0		
H	BMV1+t	MT20	3.0	6.0	Edge	0.50
I	BMWWW-t	MT20	5.0	8.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	4.0		
L	BMWW-t	MT20	5.0	6.0		
M	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
H	1581	0	1581	0	0	IN-SX	IN-SX
						HANGER BY OTHERS MIN. SEAT SIZE: 1-8	
M	1695	0	1695	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1298	721 / 0	296 / 0	0 / 0	0 / 0	282 / 0	0 / 0
M	1376	790 / 0	296 / 0	0 / 0	0 / 0	290 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) M

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.71 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF G-H, C-K, E-I, F-I.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 26	-84.3	-84.3	0.11 (1)	10.00	L- C	-8 / 291	0.07 (3)
B- C	-2252 / 0	-84.3	-84.3	0.76 (1)	3.71	C- K	-790 / 0	0.40 (1)
C- D	-1570 / 0	-84.3	-84.3	0.65 (1)	4.43	K- E	0 / 614	0.14 (2)
D- E	-1570 / 0	-84.3	-84.3	0.65 (1)	4.43	E- I	-485 / 0	0.27 (1)
E- F	-1083 / 0	-84.3	-84.3	0.53 (1)	5.32	I- F	-714 / 0	0.32 (1)
F- G	-1083 / 0	-84.3	-84.3	0.53 (1)	5.32	I- G	0 / 1680	0.27 (1)
H- G	-1504 / 0	0.0	0.0	0.49 (1)	5.35	B- L	0 / 2057	0.46 (1)
M- B	-1611 / 0	0.0	0.0	0.16 (1)	6.52			
M- L	0 / 0	-28.0	-28.0	0.37 (3)	10.00			
L- K	0 / 2043	-28.0	-28.0	0.61 (2)	10.00			
K- J	0 / 1381	-28.0	-28.0	0.48 (2)	10.00			
J- I	0 / 1381	-28.0	-28.0	0.48 (2)	10.00			
I- H	0 / 0	-28.0	-28.0	0.32 (3)	10.00			

DWG NO. TAM46114-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.94")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.14")
ALLOWABLE DEFL.(TL)= L/360 (0.94")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.22")

CSI: TC=0.76 (B-C:1) , BC=0.61 (K-L:2) , WB=0.46 (B-L:1) , SSI=0.28 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1867	822	2284	1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

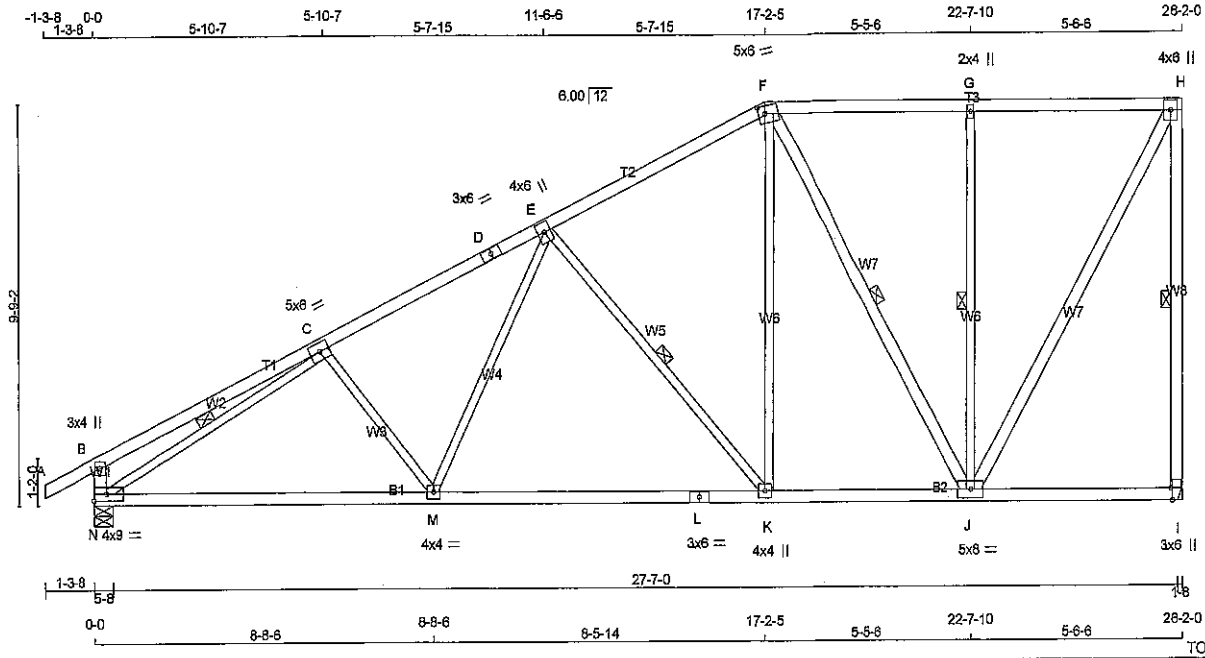
JSI GRIP= 0.89 (L) (INPUT = 0.80)
JSI METAL= 0.61 (B) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T270	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:40 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-VuOxZ9Nw576P_vj2WcMEGnPTrTKeMICNWJqPW3yehYb



TOTAL WEIGHT = 140 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
F - H	2x4	DRY	No.2	SPF
I - H	2x4	DRY	No.2	SPF
N - B	2x4	DRY	No.2	SPF
N - L	2x4	DRY	No.2	SPF
L - I	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
F - J	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0		
D	TS-t	MT20	3.0	6.0		
E	TMWW+t	MT20	4.0	6.0		
F	TTWW-m	MT20	5.0	6.0	2.25	2.00
G	TMW+w	MT20	2.0	4.0		
H	TMVW+p	MT20	4.0	6.0		
I	BMV1+t	MT20	3.0	6.0	Edge	0.50
J	BMWWW-t	MT20	5.0	8.0		
K	BMWW+t	MT20	4.0	4.0		
L	BS-t	MT20	3.0	6.0		
M	BMWW-t	MT20	4.0	4.0		
N	BMVW1-t	MT20	4.0	9.0	Edge	

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
I	1561	0	1561	0	0	IN-SX	IN-SX
						HANGER BY OTHERS MIN. SEAT SIZE: 1-8	
N	1695	0	1695	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
I	1298	721 / 0	296 / 0	0 / 0	0 / 0	282 / 0	0 / 0
N	1376	790 / 0	296 / 0	0 / 0	0 / 0	290 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) N

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.39 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF H-I, E-K, C-N, F-J, G-J.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM (PLF)	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 26	-84.3	-84.3	0.11 (1)	10.00	C- M	-213 / 87	0.08 (1)
B- C	0 / 20	-84.3	-84.3	0.35 (1)	10.00	M- E	0 / 533	0.12 (2)
C- D	-2068 / 0	-84.3	-84.3	0.37 (1)	4.39	E- K	-816 / 0	0.44 (1)
D- E	-2068 / 0	-84.3	-84.3	0.37 (1)	4.39	K- F	0 / 806	0.18 (1)
E- F	-1277 / 0	-84.3	-84.3	0.34 (1)	5.32	N- C	-2362 / 0	0.75 (1)
F- G	-782 / 0	-84.3	-84.3	0.33 (1)	6.25	J- H	0 / 1550	0.25 (1)
G- H	-782 / 0	-84.3	-84.3	0.33 (1)	6.25	F- J	-702 / 0	0.45 (1)
I- H	-1516 / 0	0.0	0.0	0.69 (1)	5.33	J- G	-573 / 0	0.37 (1)
N- B	-313 / 0	0.0	0.0	0.03 (1)	7.81			
N- M	0 / 1982	-28.0	-28.0	0.76 (2)	10.00			
M- L	0 / 1659	-28.0	-28.0	0.73 (2)	10.00			
L- K	0 / 1659	-28.0	-28.0	0.73 (2)	10.00			
K- J	0 / 1132	-28.0	-28.0	0.40 (2)	10.00			
J- I	0 / 0	-28.0	-28.0	0.18 (3)	10.00			

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. T2M46119-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.94")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.22")
ALLOWABLE DEFL.(TL)= L/360 (0.94")
CALCULATED VERT. DEFL.(TL) = L/ 929 (0.36")

CSI: TC=0.69 (H-I:1) , BC=0.76 (M-N:2) , WB=0.75 (C-N:1) , SSI=0.23 (G-H:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	622	2284	1658

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

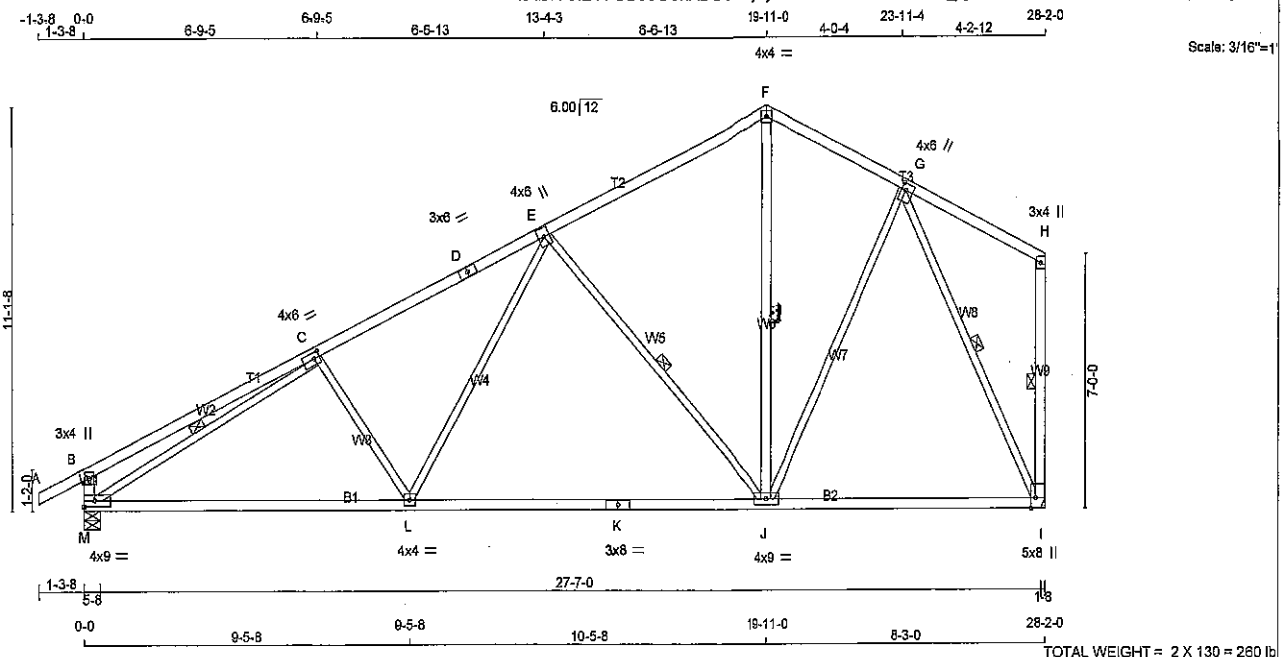
JSI GRIP= 0.88 (N) (INPUT = 0.90)
JSI METAL= 0.58 (C) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T271	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:40 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-VuOxZ9Nw576P_vj2WcMEGnPWuTleMhTNWJqPW3yehYb



TOTAL WEIGHT = 2 X 130 = 260 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
F - H	2x4	DRY	No.2	SPF
M - B	2x4	DRY	No.2	SPF
I - H	2x4	DRY	No.2	SPF
M - K	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
J - F	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	6.0	2.00	2.00
D	TS-t	MT20	3.0	6.0		
E	TMWW+t	MT20	4.0	6.0		
F	TTW-p	MT20	4.0	4.0		
G	TMWW+t	MT20	4.0	6.0	2.25	1.50
H	TMV+p	MT20	3.0	4.0		
I	BMVW1+t	MT20	5.0	8.0	Edge	1.50
J	BMWWW-t	MT20	4.0	9.0		
K	BS-t	MT20	3.0	8.0		
L	BMWW-t	MT20	4.0	4.0		
M	BMVW1-t	MT20	4.0	9.0		Edge

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
M	1695	0	1695	0	0	5-8	5-8
I	1581	0	1581	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1376	790 / 0	296 / 0	0 / 0	0 / 0	290 / 0	0 / 0
I	1298	721 / 0	296 / 0	0 / 0	0 / 0	282 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) M

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.28 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF E-J, C-M, H-I, G-I. F-J

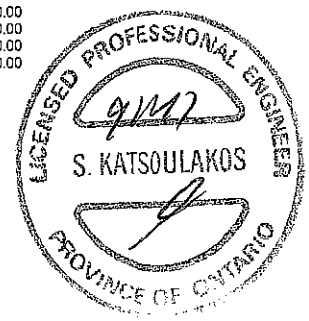
END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 26	-84.3	-84.3	0.11 (1)	10.00
B- C	0 / 24	-84.3	-84.3	0.49 (1)	10.00
C- D	-2021 / 0	-84.3	-84.3	0.50 (1)	4.28
D- E	-2021 / 0	-84.3	-84.3	0.50 (1)	4.28
E- F	-1003 / 0	-84.3	-84.3	0.45 (1)	5.64
F- G	-998 / 0	-84.3	-84.3	0.19 (1)	6.05
G- H	0 / 18	-84.3	-84.3	0.23 (1)	10.00
M- B	-343 / 0	0.0	0.0	0.03 (1)	7.81
I- H	-133 / 0	0.0	0.0	0.03 (1)	6.25
M- L	0 / 1987	-28.0	-28.0	0.89 (2)	10.00
L- K	0 / 1510	-28.0	-28.0	0.84 (2)	10.00
K- J	0 / 1510	-28.0	-28.0	0.84 (2)	10.00
J- I	0 / 640	-28.0	-28.0	0.64 (2)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- L	-323 / 63	0.14 (1)
L- E	0 / 664	0.15 (2)
E- J	-966 / 0	0.70 (1)
J- F	0 / 521	0.08 (2)
J- G	0 / 549	0.12 (1)
M- C	-2347 / 0	0.97 (1)
G- I	-1504 / 0	0.99 (1)



DWG NO. TAM46116-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.94")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.28")
ALLOWABLE DEFL.(TL)= L/360 (0.94")
CALCULATED VERT. DEFL.(TL) = L/ 726 (0.47")

CSI: TC=0.50 (C-E:1) , BC=0.89 (L-M:2) , WB=0.99 (G-I:1) , SSI=0.23 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE LEFT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

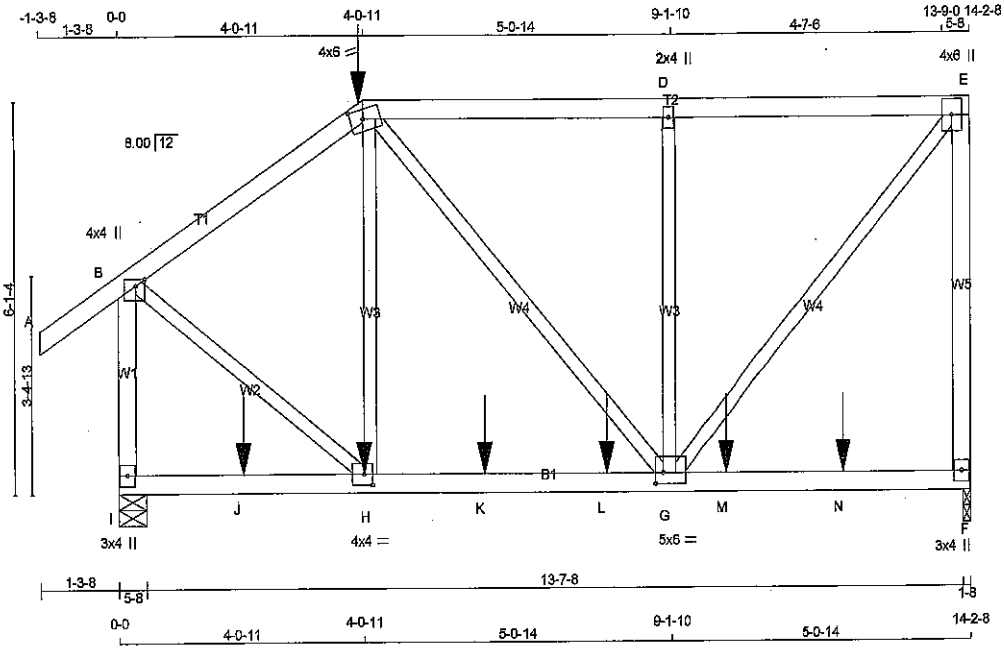
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (C) (INPUT = 0.90)
JSI METAL= 0.74 (K) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286075	T272A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:54:40 2018 Page 1
ID:2WGIEY7GB80O3kKBOcC5yzyemsm-6Q3ZgX2PPkl35mQl9XXTdblMK5VNrkDB2bSfk8zsYZj



TOTAL WEIGHT = 70 lb

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
I - B	2x4	DRY	No.2	SPF
I - F	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	1.75
C	TTWW-m	MT20	4.0	6.0	1.75	2.50
D	TMW+w	MT20	2.0	4.0		
E	TMVW+p	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMWWW-t	MT20	5.0	6.0	2.00	1.50
H	BMWW-t	MT20	4.0	4.0	2.00	1.75
I	BMV1+p	MT20	3.0	4.0		

HANGERS NOTES
1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 244.5 lbs FACTORED DOWN AT 4-0-11 ON TOP CHORD, AND 110.7 lbs FACTORED DOWN AT 2-0-12, 138.0 lbs FACTORED DOWN AT 4-0-12, 138.0 lbs FACTORED DOWN AT 6-0-12, 138.0 lbs FACTORED DOWN AT 8-0-12, AND 138.0 lbs FACTORED DOWN AT 10-0-12, AND 138.0 lbs FACTORED DOWN AT 12-0-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
F	1276	0	1276	0	0	1-8	1-8
I	1480	0	1480	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	1002	630 / 0	179 / 0	0 / 0	0 / 0	194 / 0	0 / 0
I	1141	753 / 0	179 / 0	0 / 0	0 / 0	208 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F, I

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.94 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX. CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 32	-84.3	-84.3	0.12 (1)	10.00
B- C	-951 / 0	-84.3	-84.3	0.29 (1)	5.96
C- D	-864 / 0	-84.3	-84.3	0.41 (1)	5.94
D- E	-864 / 0	-84.3	-84.3	0.41 (1)	5.94
F- E	-1148 / 0	0.0	0.0	0.84 (1)	7.39
I- B	-1400 / 0	0.0	0.0	0.29 (1)	6.84
I- J	0 / 0	-28.0	-28.0	0.21 (1)	10.00
J- H	0 / 0	-28.0	-28.0	0.21 (1)	10.00
H- K	0 / 787	-28.0	-28.0	0.52 (1)	10.00
K- L	0 / 787	-28.0	-28.0	0.52 (1)	10.00
L- G	0 / 787	-28.0	-28.0	0.52 (1)	10.00
G- M	0 / 0	-28.0	-28.0	0.38 (1)	10.00
M- N	0 / 0	-28.0	-28.0	0.38 (1)	10.00
N- F	0 / 0	-28.0	-28.0	0.38 (1)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
H- C	-139 / 100	0.08 (1)
C- G	0 / 118	0.03 (1)
G- D	-526 / 0	0.32 (1)
G- E	0 / 1309	0.32 (1)
B- H	0 / 983	0.24 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	4-0-11	-23	-25	---	FRONT	VERT	DEAD
C	4-0-11	-222	-222	---	FRONT	VERT	SNOW
H	4-0-12	-138	-138	---	BACK	VERT	TOTAL
J	2-0-12	-111	-111	---	BACK	VERT	TOTAL
K	6-0-12	-138	-138	---	BACK	VERT	TOTAL
L	8-0-12	-138	-138	---	BACK	VERT	TOTAL
M	10-0-12	-138	-138	---	BACK	VERT	TOTAL
N	12-0-12	-138	-138	---	BACK	VERT	TOTAL

[M]

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

*** NON STANDARD GIRDER ***
ADDT'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.47")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.47")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.11")

CSI: TC=0.84/1.00 (E-F:1) , BC=0.52/1.00 (G-H:1) , WB=0.32/1.00 (E-G:1) , SSI=0.25/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL= 0.29 (H) (INPUT = 1.00)

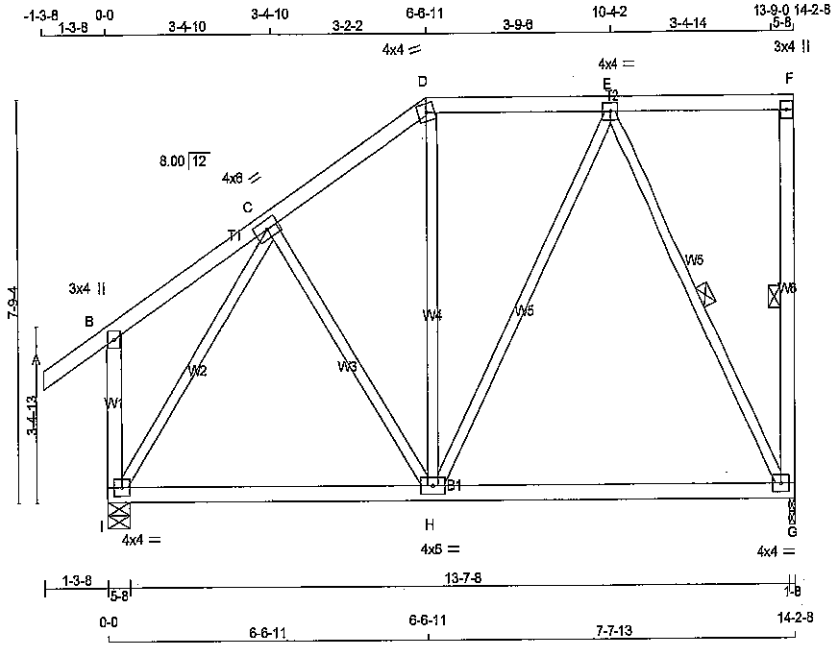
DWG NO. TAM 513 / 18
STRUCTURAL COMPONENT ONLY

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286075	T273A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:54:40 2018 Page 1
ID:2WGIEY7GB80O3kKBOcC5yzyemsm-6Q3ZgX2PPkl35mQl9XXTdbIWD5WHrikB2bSfk8zsYZj



TOTAL WEIGHT = 76 lb

[M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
I - B	2x4	DRY	No.2	SPF
I - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN Y	X
B	TMV+p	MT20	3.0	4.0	
C	TMWW-t	MT20	4.0	6.0	
D	TTW-m	MT20	4.0	4.0	
E	TMWW-t	MT20	4.0	4.0	
F	TMV+p	MT20	3.0	4.0	
G	BMVW1-t	MT20	4.0	4.0	
H	BMWWW-t	MT20	4.0	6.0	
I	BMVW1-t	MT20	4.0	4.0	

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	797	0	797	0	0	1-8	1-8
I	913	0	913	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	655	364 / 0	149 / 0	0 / 0	0 / 0	142 / 0	0 / 0
I	733	434 / 0	149 / 0	0 / 0	0 / 0	150 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G, I

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-G, E-G.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 32	-84.3	-84.3	0.11 (1)	10.00	
B- C	0 / 18	-84.3	-84.3	0.15 (1)	10.00	
C- D	-498 / 0	-84.3	-84.3	0.15 (1)	6.25	
D- E	-399 / 0	-84.3	-84.3	0.21 (1)	6.25	
E- F	0 / 0	-84.3	-84.3	0.20 (1)	10.00	
G- F	-124 / 0	0.0	0.0	0.03 (1)	6.25	
I- B	-221 / 0	0.0	0.0	0.04 (1)	7.81	
I- H	0 / 388	-28.0	-28.0	0.46 (2)	10.00	
H- G	0 / 305	-28.0	-28.0	0.45 (2)	10.00	

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- H	0 / 109	0.02 (3)
H- D	0 / 132	0.03 (3)
H- E	0 / 261	0.06 (2)
E- G	-665 / 0	0.32 (1)
I- C	-738 / 0	0.48 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.8	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.47")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (0.47")
CALCULATED VERT. DEFL.(TL) = L/ 983 (0.17")

CSI: TC=0.21/1.00 (D-E:1) , BC=0.46/1.00 (H-I:2) , WB=0.48/1.00 (C-I:1) , SSI=0.18/1.00 (G-H:3)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

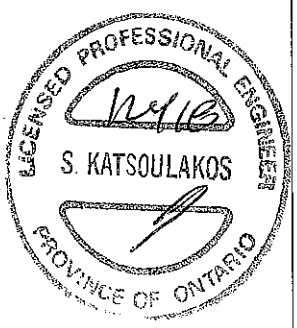
NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.81 (C) (INPUT = 0.90)
JSI METAL= 0.17 (C) (INPUT = 1.00)

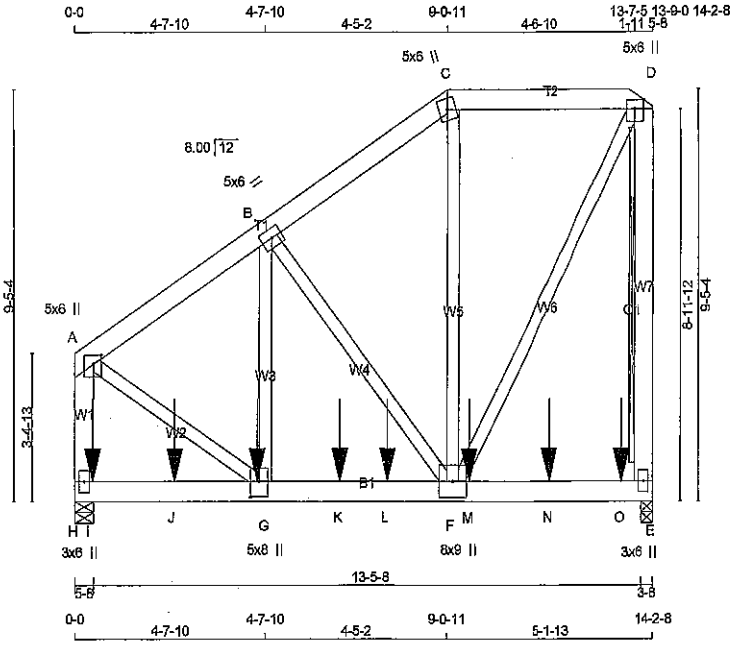


DWG NO. TAM 5132-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286075	T274A	1	3	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 07:54:40 2018 Page 1
ID:2WGIEY7GB80O3kKBOcC5yzyemsm-6Q3ZgX2PPkl35mQl9XXTdblTy5TTrh5B2bSfk8zsYZj



TOTAL WEIGHT = 3 X 115 = 346 lb

[M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	No.2	SPF
C - D	2x6	DRY	No.2	SPF
H - A	2x6	DRY	No.2	SPF
E - D	2x6	DRY	No.2	SPF
H - E	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 3 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	2	12	TOP
C- D	2	12	TOP
H- A	2	7	SIDE(94.4)
E- D	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
H- E	2	7	SIDE(938.9)
WEBS : (0.122"X3") SPIRAL NAILS			
2x4	1	6	

STAGGER NAILS BY HALF THE SURFACE SPACING IN ADJACENT PLIES.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	6.0	2.50	2.25
B	TMWW-t	MT20	5.0	6.0		
C	TTW+m	MT20	5.0	6.0		
D	TMVW+p	MT20	5.0	6.0	Edge	2.75
E	BMV1+p	MT20	3.0	6.0		
F	BMWWW+t	MT20	8.0	9.0		
G	BMWW+t	MT20	5.0	6.0	4.25	2.50
H	BMV1+p	MT20	3.0	6.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

HANGERS NOTES
1)

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
H	7431	0	7431	0	0	5-8	5-8
E	7055	0	7055	0	0	3-8	3-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	6007	3488 / 0	1266 / 0	0 / 0	0 / 0	1253 / 0	0 / 0
E	5731	3282 / 0	1238 / 0	0 / 0	0 / 0	1210 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, E

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.14 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

2x6 DRY SPF No.2 T-BRACE AT D-E

FASTEN T AND I-BRACES TO NARROW EDGE OF WEB WITH ONE ROW PER PLY OF 3" COMMON WIRE NAILS @ 6" O.C. WITH 3" MINIMUM END DISTANCE. BRACE MUST COVER 90% OF WEB LENGTH.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING
TOTAL LOAD CASES: (4)

CHORDS						WEBS			
MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	-4842 / 0	-84.3	-84.3	5	0.05 (1)	6.14	G- B	0 / 2052	0.11 (1)
B- C	-3359 / 0	-84.3	-84.3	5	0.04 (1)	6.25	B- F	-2077 / 0	0.52 (1)
C- D	-2802 / 0	-84.3	-84.3	5	0.07 (1)	6.25	F- C	0 / 1472	0.08 (1)
H- A	-5392 / 0	0.0	0.0	5	0.20 (1)	7.43	A- G	0 / 4763	0.26 (1)
E- D	-5232 / 0	0.0	0.0	5	0.42 (1)	7.81	F- D	0 / 5756	0.31 (1)
H- I	0 / 0	-28.0	-28.0	5	0.34 (1)	10.00			
I- J	0 / 0	-28.0	-28.0	5	0.34 (1)	10.00			
J- G	0 / 0	-28.0	-28.0	5	0.34 (1)	10.00			
G- K	0 / 4039	-28.0	-28.0	5	0.64 (1)	10.00			
K- L	0 / 4039	-28.0	-28.0	5	0.64 (1)	10.00			
L- F	0 / 4039	-28.0	-28.0	5	0.64 (1)	10.00			
F- M	0 / 0	-28.0	-28.0	5	0.48 (1)	10.00			
M- N	0 / 0	-28.0	-28.0	5	0.48 (1)	10.00			
N- O	0 / 0	-28.0	-28.0	5	0.48 (1)	10.00			
O- E	0 / 0	-28.0	-28.0	5	0.48 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
G	4-5-4	-1667	-1667	---	FRONT	VERT	TOTAL
I	5-4	-1675	-1675	---	FRONT	VERT	TOTAL
J	2-5-4	-1667	-1667	---	FRONT	VERT	TOTAL
K	6-5-4	-1667	-1667	---	FRONT	VERT	TOTAL
L	7-7-4	-1553	-1553	---	FRONT	VERT	TOTAL
M	9-7-4	-1553	-1553	---	FRONT	VERT	TOTAL
N	11-7-4	-1553	-1553	---	FRONT	VERT	TOTAL
O	13-5-4	-1556	-1556	---	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.47")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.47")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.09")

CSI: TC=0.42/1.00 (D-E:1) , BC=0.64/1.00 (F-G:1) , WB=0.52/1.00 (B-F:1) , SSI=0.60/1.00 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1867	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.75 (D) (INPUT = 0.90)
JSI METAL= 0.35 (G) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 5133-18
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286075	T274A	1	3	TRUSS DESC.	

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 1675.1 lbs FACTORED DOWN AT 5-4, 1667.2 lbs FACTORED DOWN AT 2-5-4, 1667.2 lbs FACTORED DOWN AT 4-5-4, 1667.2 lbs FACTORED DOWN AT 6-5-4, 1552.9 lbs FACTORED DOWN AT 7-7-4, 1552.9 lbs FACTORED DOWN AT 9-7-4, AND 1552.9 lbs FACTORED DOWN AT 11-7-4, AND 1556.1 lbs FACTORED DOWN AT 13-5-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

LICENSED PROFESSIONAL ENGINEER
12/18
S. KATSOULAKOS
PROVINCE OF ONTARIO

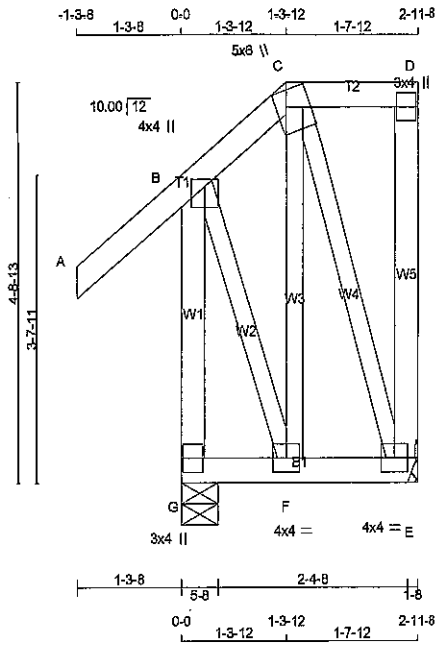
DWG NO. TAM 5133-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T275	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:41 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-_4yJnVOYrREGc3IE4JtTo?yncsrX5NtWlzZz2WyehYa



Scale = 1:27.4

TOTAL WEIGHT = 27 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
E - D	2x4	DRY	No.2	SPF
G - B	2x4	DRY	No.2	SPF
G - E	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTWW+m	MT20	5.0	6.0	2.25	1.50
D	TMV+p	MT20	3.0	4.0		
E	BMVW1-t	MT20	4.0	4.0		
F	BMWW-t	MT20	4.0	4.0		
G	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
E	139	0	139	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	
G	310	0	310	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	118	59 / -17	31 / 0	0 / 0	0 / 0	28 / 0	0 / 0
G	234	163 / 0	31 / 0	0 / 0	0 / 0	40 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) G

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (5)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 37	-84.3	-84.3	0.12 (1)	10.00	F- C	0 / 49	0.01 (3)
B- C	-63 / 0	-84.3	-84.3	0.11 (1)	6.25	C- E	-53 / 11	0.02 (2)
C- D	0 / 0	-84.3	-84.3	0.04 (1)	10.00	B- F	-12 / 45	0.01 (1)
E- D	-69 / 0	0.0	0.0	0.03 (1)	7.81			
G- B	-280 / 0	0.0	0.0	0.06 (1)	7.81			
G- F	0 / 0	-28.0	-28.0	0.01 (2)	10.00			
F- E	-4 / 19	-28.0	-28.0	0.02 (2)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DWG NO. TAM46120-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

DESIGN ASSUMPTIONS
-OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.00")

CSI: TC=0.12 (A-B:1) , BC=0.02 (E-F:2) , WB=0.02 (C-E:2) , SSI=0.07 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1567	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

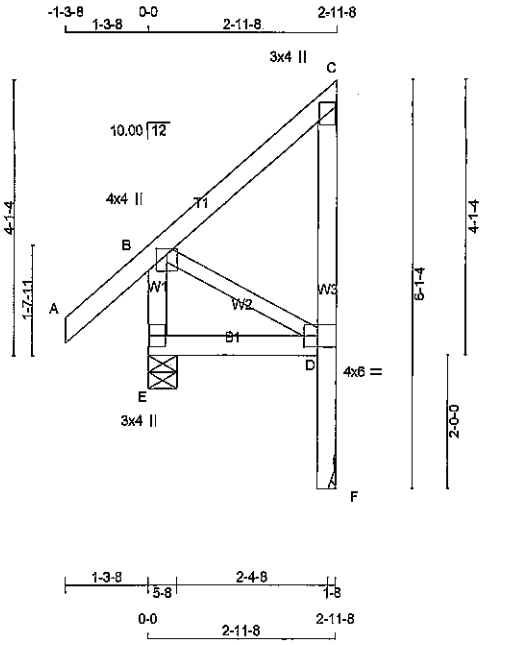
JSI GRIP= 0.20 (B) (INPUT = 0.90)
JSI METAL= 0.05 (B) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T276	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:41 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-_4yJnVOYrREGc3IE4JtTo?ynSsqf5N9WlzZz2WyehYa



TOTAL WEIGHT = 4 X 20 = 79 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
F - C	2x4	DRY	No.2	SPF
E - B	2x4	DRY	No.2	SPF
E - D	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TMV+p	MT20	3.0	4.0		
D	BVMW-I	MT20	4.0	6.0	2.00	2.50
E	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
F	166	0	166	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	
E	283	0	283	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	136	76 / 0	31 / 0	0 / 0	0 / 0	30 / 0	0 / 0
E	216	147 / 0	31 / 0	0 / 0	0 / 0	38 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (5)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 37	-84.3	-84.3		0.12 (1)	10.00	B- D	0 / 0	0.00 (1)
B- C	0 / 0	-84.3	-84.3		0.13 (1)	10.00			
F- D	-166 / 0	0.0	0.0		0.02 (1)	7.81			
D- C	-125 / 0	0.0	0.0		0.04 (1)	7.81			
E- B	-241 / 0	0.0	0.0		0.03 (1)	7.81			
E- D	0 / 0	-28.0	-28.0		0.07 (3)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DWG NO. TAM46121-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.01")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.01")

CSI: TC=0.13 (B-C:1) , BC=0.07 (D-E:3) , WB=0.00 (B-D:1) , SSI=0.07 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	622	2284	1658

PLATE PLACEMENT TOL. = 0.250 inches

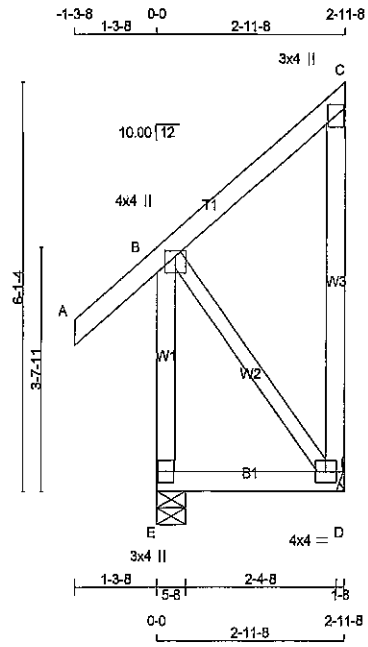
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.19 (B) (INPUT = 0.90)
JSI METAL= 0.04 (B) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T277	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:42 2017 Page 1
ID:2WGIEY7GB80O3kKBOcC5yzyemsm-SGWi_rPAckM7ECsQe1OiLCUxCGAuqqPfzdJWbyyehYZ



Scale = 1:34.5

TOTAL WEIGHT = 23 lb

[M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
D - C	2x4	DRY	No.2	SPF
E - B	2x4	DRY	No.2	SPF
E - D	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TMV+p	MT20	3.0	4.0		
D	BMVW1-t	MT20	4.0	4.0		
E	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
D	166	0	166	0	0	IN-SX	IN-SX
						HANGER BY OTHERS	
						MIN. SEAT SIZE: 1-8	
E	283	0	283	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	136	76 / 0	31 / 0	0 / 0	0 / 0	30 / 0	0 / 0
E	216	147 / 0	31 / 0	0 / 0	0 / 0	38 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (5)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 37	-84.3	-84.3	0.12 (1)	10.00	B- D	0 / 0	0.00 (1)
B- C	0 / 0	-84.3	-84.3	0.13 (1)	10.00			
D- C	-125 / 0	0.0	0.0	0.09 (1)	7.81			
E- B	-241 / 0	0.0	0.0	0.05 (1)	7.81			
E- D	0 / 0	-28.0	-28.0	0.07 (3)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 46122-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.01")

CSI: TC=0.13 (B-C:1) , BC=0.07 (D-E:3) , WB=0.00 (B-D:1) , SSI=0.07 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

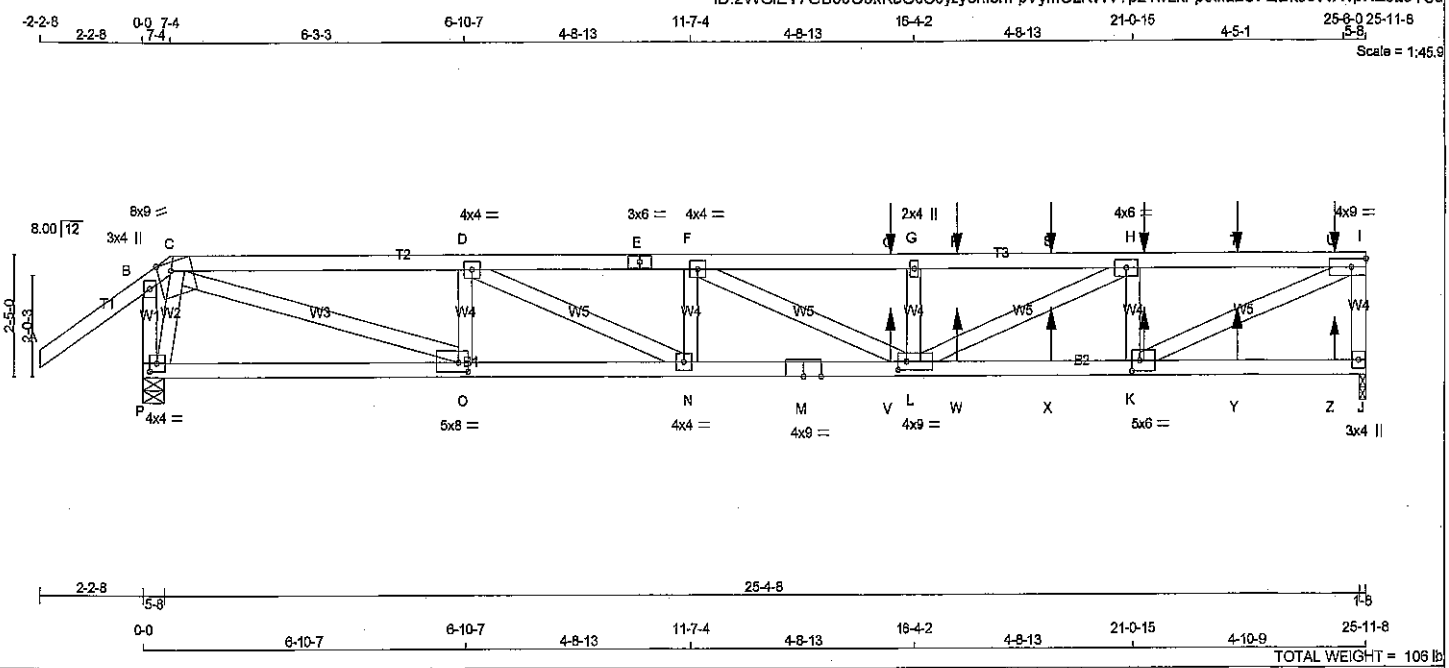
JSI GRIP= 0.19 (B) (INPUT = 0.90)
JSI METAL= 0.04 (B) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286076	T278	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 08:01:57 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-pVymOzKWV?p21wLkFptxrL2UFZBkJ3WX4pHZJzsYSu



TOTAL WEIGHT = 106 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - I	2x4	DRY	No.2	SPF
J - I	2x4	DRY	No.2	SPF
P - B	2x4	DRY	No.2	SPF
P - M	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
ALL WEBS	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TTWW-m	MT20	8.0	9.0	Edge	3.50
D	TMWW-t	MT20	4.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMWW-t	MT20	4.0	4.0		
G	TMW+w	MT20	2.0	4.0		
H	TMWW-t	MT20	4.0	6.0		
I	TMVW-t	MT20	4.0	9.0	Edge	
J	BMV1+p	MT20	3.0	4.0		
K	BMWW-t	MT20	5.0	6.0	2.50	2.00
L	BMWWW-t	MT20	4.0	9.0	2.00	2.50
M	BS-t	MT20	4.0	9.0		
N	BMWW-t	MT20	4.0	4.0		
O	BMWW-t	MT20	5.0	8.0	2.25	2.50
P	BMVW1-t	MT20	4.0	4.0	2.00	1.75

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 2.4 lbs FACTORED DOWN AND 111.2 lbs FACTORED UP AT 15-9-12, 2.4 lbs FACTORED DOWN AND 111.2 lbs FACTORED UP AT 17-3-12, 2.4 lbs FACTORED DOWN AND 111.2 lbs FACTORED UP AT 19-3-12, 2.4 lbs FACTORED DOWN AND 111.2 lbs FACTORED UP AT 21-3-12, AND 2.4 lbs FACTORED DOWN AND 111.2 lbs FACTORED UP AT 23-3-12, AND 2.4 lbs FACTORED DOWN AND 97.6 lbs FACTORED UP AT 25-3-12 ON TOP CHORD, AND 1.0 lbs FACTORED DOWN AND 9.5 lbs FACTORED UP AT 15-9-12, 1.0 lbs FACTORED DOWN AND 9.5 lbs FACTORED UP AT 17-3-12, 1.0 lbs FACTORED DOWN AND 9.5 lbs FACTORED UP AT 19-3-12, 1.0 lbs FACTORED DOWN AND 9.5 lbs FACTORED UP AT 21-3-12, AND 1.0 lbs FACTORED DOWN AND 9.5 lbs FACTORED UP AT 23-3-12, AND 8.1 lbs FACTORED DOWN AND 5.4 lbs FACTORED UP AT 25-3-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
J	1411	0	1411	0	0	1-8	1-8
P	1647	0	1647	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	1174	629 / 0	264 / 0	0 / 0	0 / 0	281 / 0	0 / 0
P	1327	778 / 0	275 / 0	0 / 0	0 / 0	274 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) J, P

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.61 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (7)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX. (PLF) CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 53	-84.3	-84.3	0.34 (1)	10.00	O- D	-901 / 0	0.11 (1)
B- C	-197 / 0	-84.3	-84.3	0.33 (1)	6.25	P- C	-1035 / 0	0.13 (1)
C- D	-3513 / 0	-84.3	-84.3	0.88 (1)	2.98	C- O	0 / 3400	0.60 (1)
D- E	-4325 / 0	-84.3	-84.3	0.82 (1)	2.61	K- I	0 / 2978	0.53 (1)
E- F	-4325 / 0	-84.3	-84.3	0.82 (1)	2.61	D- N	0 / 890	0.16 (1)
F- Q	-4091 / 0	-84.3	-84.3	0.54 (1)	3.07	K- H	-1067 / 0	0.13 (1)
Q- G	-4091 / 0	-84.3	-84.3	0.54 (1)	3.07	N- F	-251 / 15	0.03 (1)
G- R	-4091 / 0	-84.3	-84.3	0.62 (1)	2.96	L- H	0 / 1493	0.26 (1)
R- S	-4091 / 0	-84.3	-84.3	0.62 (1)	2.96	F- L	-583 / 0	0.19 (5)
S- H	-4091 / 0	-84.3	-84.3	0.82 (1)	2.96	L- G	-395 / 0	0.05 (1)
H- T	-2729 / 0	-84.3	-84.3	0.44 (1)	3.77			
T- U	-2729 / 0	-84.3	-84.3	0.44 (1)	3.77			
U- I	-2729 / 0	-84.3	-84.3	0.44 (1)	3.77			
J- I	-1356 / 0	0.0	0.0	0.18 (1)	6.93			
P- B	-571 / 0	0.0	0.0	0.07 (1)	7.81			
P- O	0 / 294	-28.0	-28.0	0.35 (7)	10.00			
O- N	0 / 3513	-28.0	-28.0	0.74 (1)	10.00			
N- M	0 / 4325	-28.0	-28.0	0.87 (1)	10.00			
M- V	0 / 4325	-28.0	-28.0	0.87 (1)	10.00			
V- L	0 / 4325	-28.0	-28.0	0.87 (1)	10.00			
L- W	0 / 2729	-28.0	-28.0	0.55 (1)	10.00			
W- X	0 / 2729	-28.0	-28.0	0.55 (1)	10.00			
X- K	0 / 2729	-28.0	-28.0	0.55 (1)	10.00			
K- Y	0 / 0	-28.0	-28.0	0.17 (7)	10.00			
Y- Z	0 / 0	-28.0	-28.0	0.17 (7)	10.00			
Z- J	0 / 0	-28.0	-28.0	0.17 (7)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR	TYPE
H	21-3-12	-1	-2	111	BACK	VERT	TOTAL
K	21-3-12	10	-0	10	BACK	VERT	TOTAL
Q	15-9-12	-1	-2	111	BACK	VERT	TOTAL
R	17-3-12	-1	-2	111	BACK	VERT	TOTAL
S	19-3-12	-1	-2	111	BACK	VERT	TOTAL
T	23-3-12	-1	-2	111	BACK	VERT	TOTAL
U	25-3-12	-1	-2	98	BACK	VERT	TOTAL
V	15-9-12	10	-0	10	BACK	VERT	TOTAL
W	17-3-12	10	-0	10	BACK	VERT	TOTAL
X	19-3-12	10	-0	10	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

DESIGN ASSUMPTIONS
-OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.87")
CALCULATED VERT. DEFL.(LL) = L/ 895 (0.35")
ALLOWABLE DEFL.(TL)= L/360 (0.87")
CALCULATED VERT. DEFL.(TL) = L/ 554 (0.56")

CSI: TC=0.88/1.00 (C-D:1) , BC=0.87/1.00 (L-N:1) , WB=0.50/1.00 (C-O:1) , SSI=0.27/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	616	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (O) (INPUT = 0.90)
JSI METAL= 0.89 (M) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
1/24/18
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM5118-18
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286076	T278	1	1	TRUSS DESC.	

FACTORED CONCENTRATED LOADS (LBS)

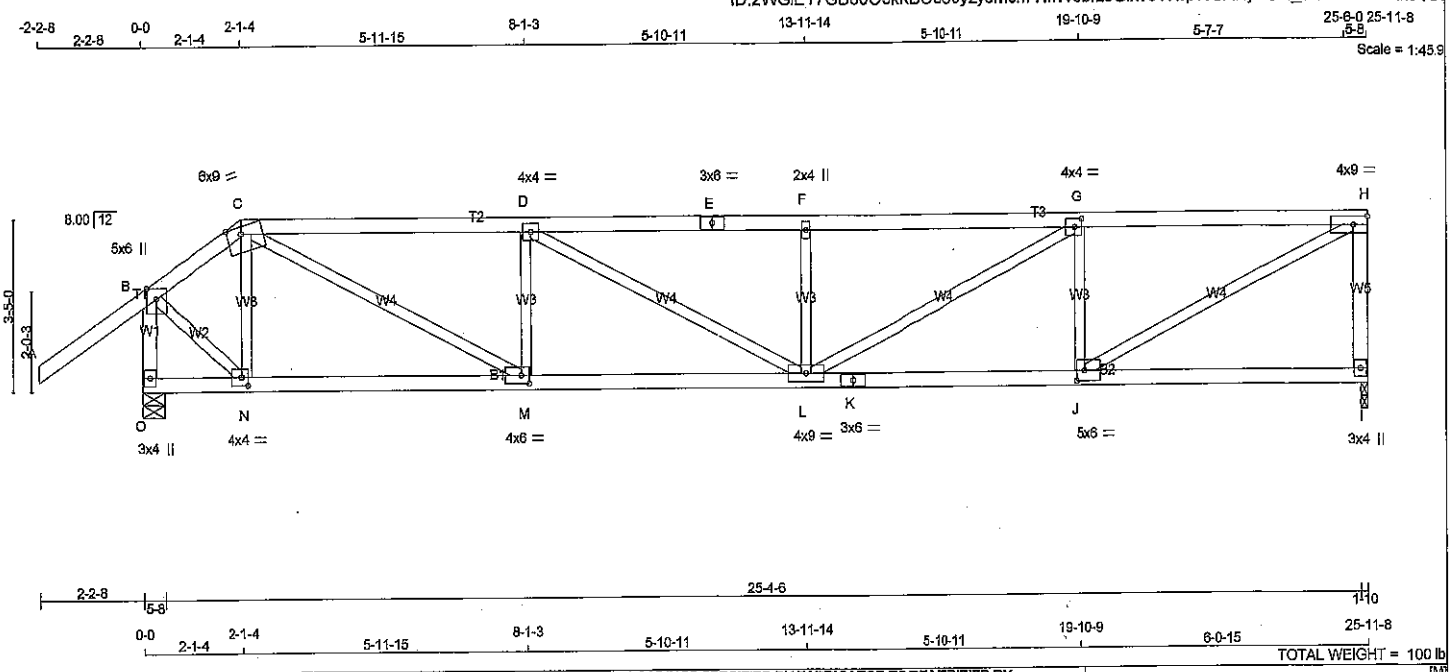
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
Y	23-3-12	10	-0	10	BACK	VERT	TOTAL
Z	25-3-12	5	-8	5	BACK	VERT	TOTAL

DWG NO. TAM 5118-18 PM
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286076	T279	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 08:01:58 2018 Page 1
ID:2WGIEY7GB80O3kKBOcC5yzyemsm-HhW8bIL9GIxve4vwpWOANyuG5f_wTmifmkYr5lzsYSt



TOTAL WEIGHT = 100 lb

[M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - H	2x4	DRY	No.2	SPF
I - H	2x4	DRY	No.2	SPF
O - B	2x4	DRY	No.2	SPF
O - K	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TTWW-m	MT20	6.0	9.0	1.75	3.75
D	TMWW-t	MT20	4.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMW+w	MT20	2.0	4.0		
G	TMWW-t	MT20	4.0	4.0	2.00	1.75
H	TMVW-t	MT20	4.0	9.0		Edge
I	BMV1+p	MT20	3.0	4.0		
J	BMWW-t	MT20	5.0	6.0	2.50	2.00
K	BS-t	MT20	3.0	6.0		
L	BMWWW-t	MT20	4.0	9.0		
M	BMWW-t	MT20	4.0	6.0	2.00	2.00
N	BMWW-t	MT20	4.0	4.0	2.00	1.50
O	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
I	1448	0	1448	0	0	1-10	1-10
O	1658	0	1858	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
I	1191	659 / 0	273 / 0	0 / 0	0 / 0	259 / 0	0 / 0
O	1333	786 / 0	273 / 0	0 / 0	0 / 0	274 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) I, O

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.38 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 53	-84.3	-84.3	0.31 (1)	10.00	N- C	-529 / 0	0.11 (1)
B- C	-1127 / 0	-84.3	-84.3	0.32 (1)	5.54	B- N	0 / 1116	0.25 (1)
C- D	-2564 / 0	-84.3	-84.3	0.63 (1)	3.65	J- H	0 / 2563	0.58 (1)
D- E	-3051 / 0	-84.3	-84.3	0.68 (1)	3.39	C- M	0 / 2023	0.46 (1)
E- F	-3051 / 0	-84.3	-84.3	0.68 (1)	3.39	J- G	-984 / 0	0.20 (1)
F- G	-3051 / 0	-84.3	-84.3	0.69 (1)	3.38	M- D	-768 / 0	0.15 (1)
G- H	-2279 / 0	-84.3	-84.3	0.59 (1)	3.93	L- G	0 / 874	0.20 (1)
I- H	-1378 / 0	0.0	0.0	0.25 (1)	6.93	D- L	0 / 438	0.10 (1)
O- B	-1662 / 0	0.0	0.0	0.19 (1)	6.43	L- F	-457 / 0	0.09 (1)
O- N	0 / 0	-28.0	-28.0	0.16 (2)	10.00			
N- M	0 / 868	-28.0	-28.0	0.29 (2)	10.00			
M- L	0 / 2664	-28.0	-28.0	0.52 (1)	10.00			
L- K	0 / 2279	-28.0	-28.0	0.50 (2)	10.00			
K- J	0 / 2279	-28.0	-28.0	0.50 (2)	10.00			
J- I	0 / 0	-28.0	-28.0	0.24 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.8	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

DESIGN ASSUMPTIONS
-OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.87")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.20")
ALLOWABLE DEFL.(TL)= L/360 (0.87")
CALCULATED VERT. DEFL.(TL) = L/ 952 (0.33")

CSI: TC=0.69/1.00 (F-G:1) , BC=0.52/1.00 (L-M:1) , WB=0.58/1.00 (H-J:1) , SSI=0.24/1.00 (G-H:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	622	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (H) (INPUT = 0.90)
JSI METAL= 0.58 (K) (INPUT = 1.00)

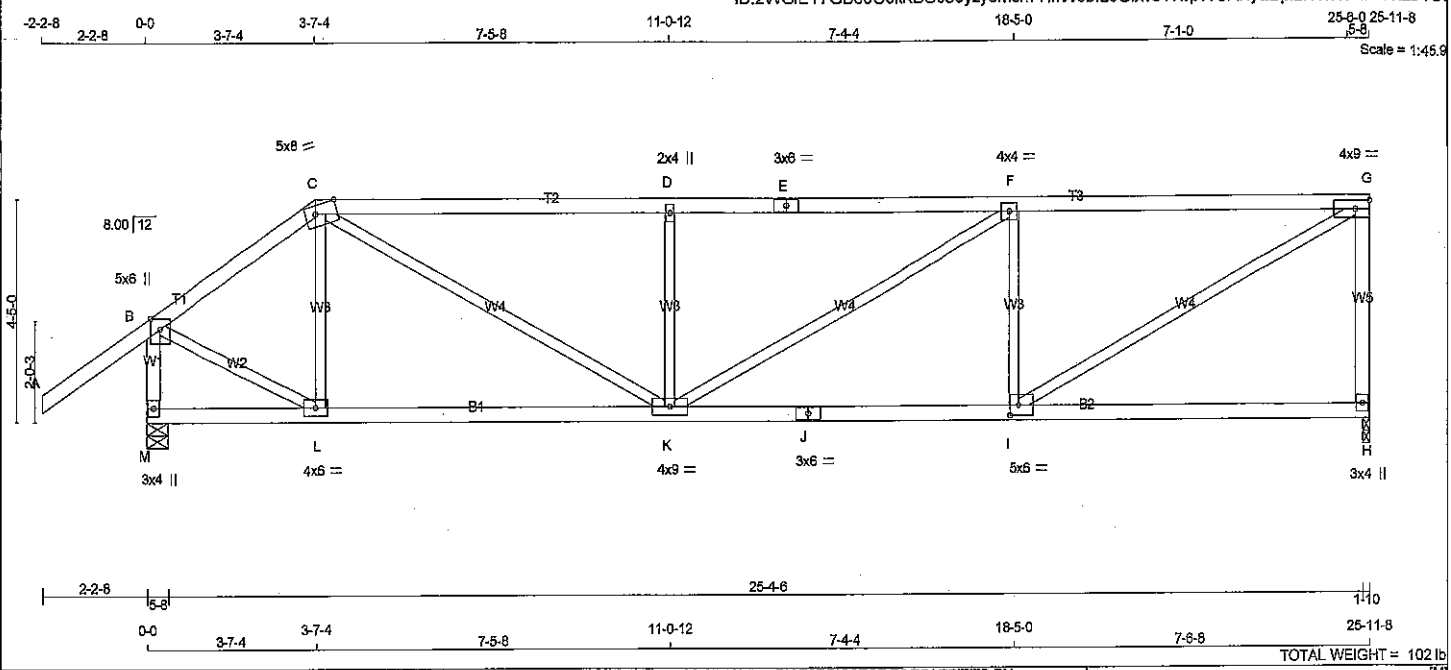
DWG NO. TAM5119 -18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286076	T280	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 08:01:58 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-HhW8bIL9GIxve4vwpWOANyuBpfzNTnYfmkYr5IzsYSt



TOTAL WEIGHT = 102 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
M - B	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TTWW-m	MT20	5.0	6.0	Edge	5.50
D	TMW+w	MT20	2.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMWW-t	MT20	4.0	4.0		
G	TMVW-t	MT20	4.0	9.0	Edge	
H	BMV1+p	MT20	3.0	4.0		
I	BMWW-t	MT20	5.0	6.0	2.50	2.25
J	BS-t	MT20	3.0	6.0		
K	BMWWW-t	MT20	4.0	9.0		
L	BMWW-t	MT20	4.0	6.0		
M	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
H	1457	0	1457	0	0	1-10	1-10
M	1650	0	1650	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1198	664 / 0	273 / 0	0 / 0	0 / 0	260 / 0	0 / 0
M	1327	781 / 0	273 / 0	0 / 0	0 / 0	273 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, M

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.39 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 53	-84.3	-84.3	0.31 (1)	10.00
B- C	-1369 / 0	-84.3	-84.3	0.22 (1)	5.31
C- D	-2374 / 0	-84.3	-84.3	0.96 (1)	3.44
D- E	-2374 / 0	-84.3	-84.3	0.97 (1)	3.39
E- F	-2374 / 0	-84.3	-84.3	0.97 (1)	3.39
F- G	-2036 / 0	-84.3	-84.3	0.91 (1)	3.67
H- G	-1371 / 0	0.0	0.0	0.42 (1)	6.94
M- B	-1628 / 0	0.0	0.0	0.19 (1)	6.48
M- L	0 / 0	-28.0	-28.0	0.24 (2)	10.00
L- K	0 / 1129	-28.0	-28.0	0.41 (2)	10.00
K- J	0 / 2036	-28.0	-28.0	0.61 (2)	10.00
J- I	0 / 2036	-28.0	-28.0	0.61 (2)	10.00
I- H	0 / 0	-28.0	-28.0	0.38 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
L- C	-335 / 41	0.10 (1)
B- L	0 / 1250	0.28 (1)
I- G	0 / 2321	0.52 (1)
C- K	0 / 1423	0.32 (1)
I- F	-879 / 0	0.25 (1)
K- D	-677 / 0	0.20 (1)
K- F	0 / 388	0.09 (1)

[M]

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.87")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.15")
ALLOWABLE DEFL.(TL)= L/360 (0.87")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.25")

CSI: TC=0.97/1.00 (D-F:1) , BC=0.61/1.00 (I-K:2) , WB=0.52/1.00 (G-I:1) , SSI=0.30/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1687	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (G) (INPUT = 0.90)
JSI METAL= 0.64 (J) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S KATSOULAKOS
PROVINCE OF ONTARIO

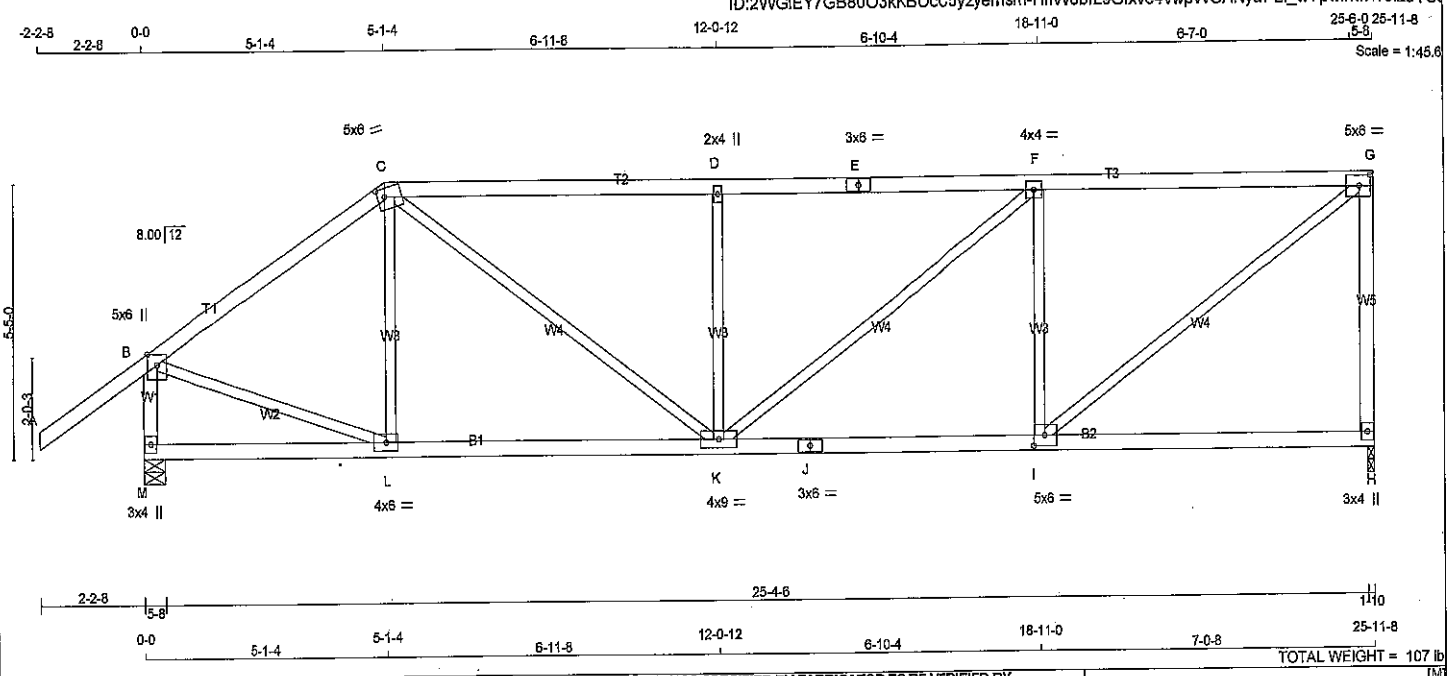
DWG NO. TAM 5120-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286076	T281	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 08:01:58 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-HhW8blL9GIxve4vwpWOANyuFLf_wTpwfmkYr5IzsYSt



TOTAL WEIGHT = 107 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
M - B	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TTWW-m	MT20	5.0	6.0	2.00	1.75
D	TMW+w	MT20	2.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMWW-t	MT20	4.0	4.0		
G	TMVW-t	MT20	5.0	6.0	2.50	2.75
H	BMV1+p	MT20	3.0	4.0		
I	BMWW-t	MT20	5.0	6.0	2.50	2.75
J	BS-t	MT20	3.0	6.0		
K	BMWWW-t	MT20	4.0	9.0		
L	BMWW-t	MT20	4.0	6.0		
M	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
H	1457	0	1457	0	0	1-10	1-10
M	1650	0	1650	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1196	664 / 0	273 / 0	0 / 0	0 / 0	260 / 0	0 / 0
M	1327	781 / 0	273 / 0	0 / 0	0 / 0	273 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, M

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.98 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS			
MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM (PLF)	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 53	-84.3	-84.3	0.31 (1)	10.00	L- C	-198 / 129	0.09 (1)
B- C	-1439 / 0	-84.3	-84.3	0.45 (1)	4.90	B- L	0 / 1257	0.28 (1)
C- D	-1928 / 0	-84.3	-84.3	0.73 (1)	4.02	I- G	0 / 1933	0.43 (1)
D- E	-1929 / 0	-84.3	-84.3	0.74 (1)	3.98	C- K	0 / 915	0.21 (1)
E- F	-1929 / 0	-84.3	-84.3	0.74 (1)	3.98	I- F	-917 / 0	0.40 (1)
F- G	-1563 / 0	-84.3	-84.3	0.70 (1)	4.38	K- D	-632 / 0	0.28 (1)
H- G	-1377 / 0	0.0	0.0	0.71 (1)	6.93	K- F	0 / 457	0.10 (1)
M- B	-1597 / 0	0.0	0.0	0.18 (1)	6.54			
M- L	0 / 0	-28.0	-28.0	0.25 (3)	10.00			
L- K	0 / 1191	-28.0	-28.0	0.39 (2)	10.00			
K- J	0 / 1563	-28.0	-28.0	0.52 (2)	10.00			
J- I	0 / 1563	-28.0	-28.0	0.52 (2)	10.00			
I- H	0 / 0	-28.0	-28.0	0.33 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.87")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.11")
ALLOWABLE DEFL.(TL)= L/360 (0.87")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.16")

CSI: TC=0.74/1.00 (D-F:1) , BC=0.52/1.00 (I-K:2) , WB=0.43/1.00 (G-I:1) , SSI=0.28/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI)		SHEAR (PLI)		SECTION (PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (C) (INPUT = 0.90)
JSI METAL= 0.46 (J) (INPUT = 1.00)

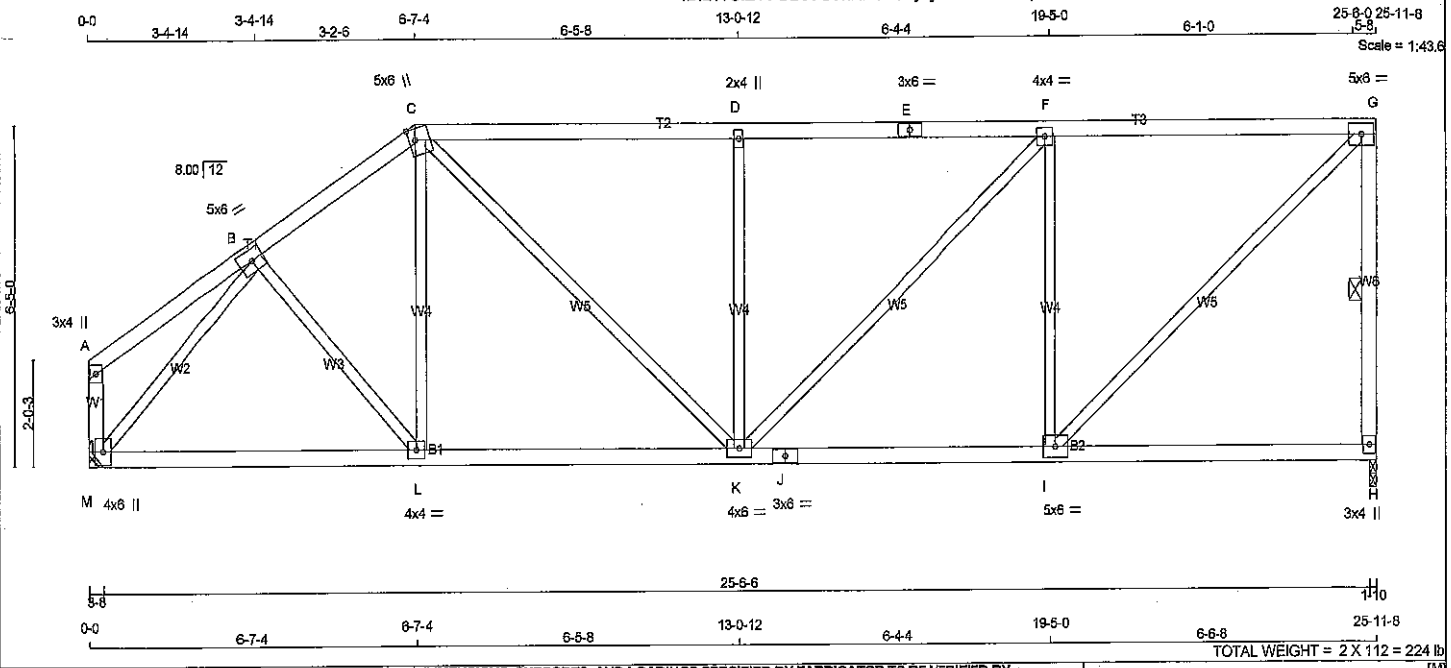
DWG NO. TAM 5121-08
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286076	T282	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 08:01:59 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-mt4WpeMn1c3mGEU7NEvPwARSV3LACCCo?OlOeCzsYSs



TOTAL WEIGHT = 2 X 112 = 224 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
M - A	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWW-t	MT20	5.0	6.0		
C	TTWW+m	MT20	5.0	6.0	2.50	1.50
D	TMW+w	MT20	2.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMWW-t	MT20	4.0	4.0		
G	TMVW-t	MT20	5.0	6.0		
H	BMV1+p	MT20	3.0	4.0		
I	BMWW-t	MT20	5.0	6.0		
J	BS-t	MT20	3.0	6.0		
K	BMWWW-t	MT20	4.0	6.0		
L	BMWW-t	MT20	4.0	4.0		
M	BMVW1+p	MT20	4.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
H	1457	0	1457	0	0	1-10	1-10
M	1457	0	1457	0	0	HANGER BY OTHERS	
						MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1196	664 / 0	273 / 0	0 / 0	0 / 0	260 / 0	0 / 0
M	1196	664 / 0	273 / 0	0 / 0	0 / 0	260 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.49 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

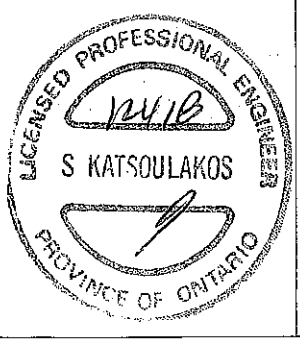
1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF G-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A-B	0 / 16	-84.3	-84.3	0.13 (1)	10.00	B-L	0 / 214	0.05 (2)
B-C	-1455 / 0	-84.3	-84.3	0.16 (1)	5.26	L-C	0 / 224	0.05 (3)
C-D	-1609 / 0	-84.3	-84.3	0.57 (1)	4.52	M-B	-1667 / 0	0.69 (1)
D-E	-1609 / 0	-84.3	-84.3	0.59 (1)	4.49	I-G	0 / 1698	0.38 (1)
E-F	-1609 / 0	-84.3	-84.3	0.59 (1)	4.49	C-K	0 / 568	0.13 (1)
F-G	-1240 / 0	-84.3	-84.3	0.55 (1)	5.01	I-F	-954 / 0	0.83 (1)
H-G	-1384 / 0	0.0	0.0	0.26 (1)	5.53	K-D	-568 / 0	0.39 (1)
M-A	-109 / 0	0.0	0.0	0.01 (1)	7.81	K-F	0 / 513	0.12 (1)
M-L	0 / 1077	-28.0	-28.0	0.43 (2)	10.00			
L-K	0 / 1196	-28.0	-28.0	0.45 (2)	10.00			
K-J	0 / 1240	-28.0	-28.0	0.44 (2)	10.00			
J-I	0 / 1240	-28.0	-28.0	0.44 (2)	10.00			
I-H	0 / 0	-28.0	-28.0	0.30 (3)	10.00			



DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN, C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.87")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.87")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.14")

CSI: TC=0.59/1.00 (D-F:1) , BC=0.45/1.00 (K-L:2) , WB=0.69/1.00 (B-M:1) , SSI=0.26/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (M) (INPUT = 0.90)
JSI METAL= 0.41 (B) (INPUT = 1.00)

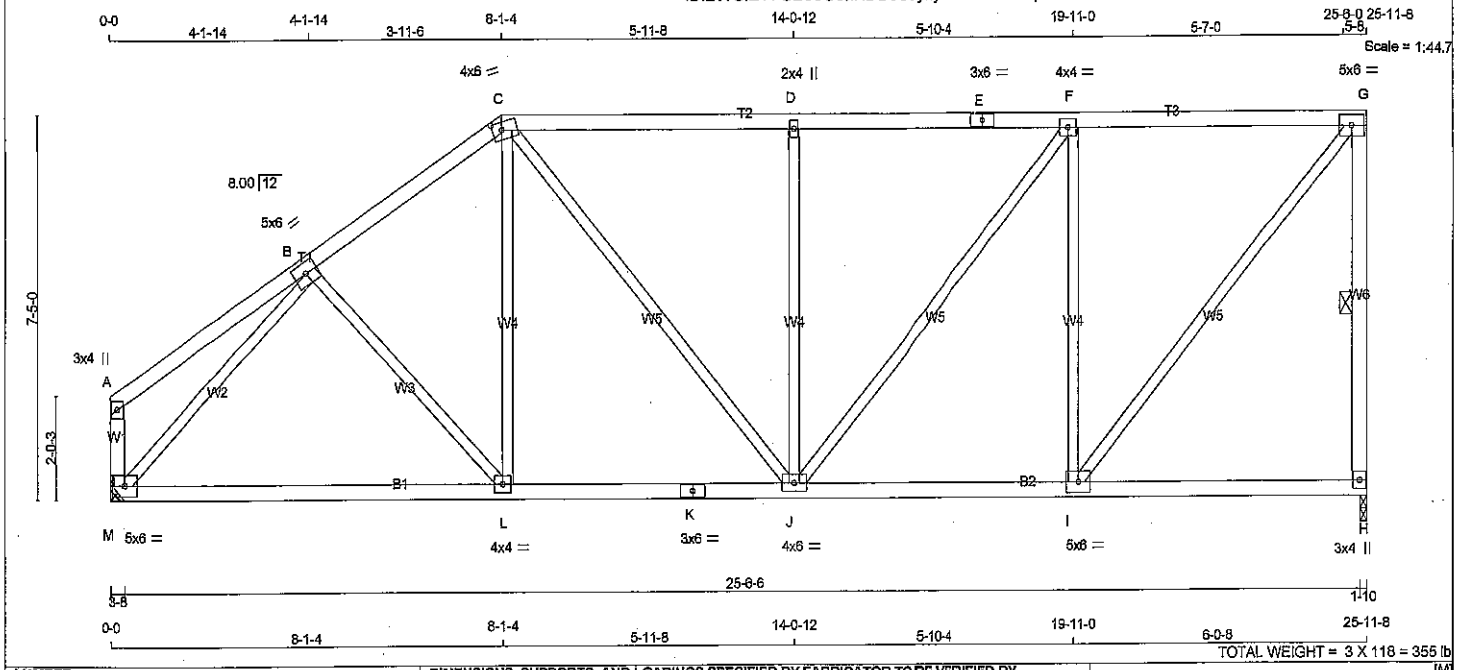
DWG NO. TAM 5122-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286076	T283	3	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 08:01:59 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-mt4WpeMn1c3mGEU7NEvPwARUJ3KWC7Oo?OlOeCzsYSs



TOTAL WEIGHT = 3 X 118 = 355 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
M - A	2x4	DRY	No.2	SPF
M - K	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWW-t	MT20	5.0	6.0		
C	TTWW-m	MT20	4.0	6.0	1.75	2.25
D	TMW+w	MT20	2.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMWW-t	MT20	4.0	4.0		
G	TMVW-t	MT20	5.0	6.0		
H	BMV1+p	MT20	3.0	4.0		
I	BMWW-t	MT20	5.0	6.0		
J	BMWWW-t	MT20	4.0	6.0		
K	BS-t	MT20	3.0	6.0		
L	BMWW-t	MT20	4.0	4.0		
M	BMVW1-t	MT20	5.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT	REQRD
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	BRG	BRG
H	1457	0	1457	0	0	1-10	1-10
M	1457	0	1457	0	0	IN-SX	IN-SX
						HANGER BY OTHERS	
						MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1196	664 / 0	273 / 0	0 / 0	0 / 0	260 / 0	0 / 0
M	1196	664 / 0	273 / 0	0 / 0	0 / 0	260 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.96 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF G-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS						WEBS			
MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 21	-84.3	-84.3	0.21 (1)	10.00	B- L	0 / 151	0.03 (3)
B- C	-1424 / 0	-84.3	-84.3	0.25 (1)	5.19	L- C	0 / 321	0.07 (2)
C- D	-1383 / 0	-84.3	-84.3	0.46 (1)	4.99	M- B	-1674 / 0	1.00 (1)
D- E	-1383 / 0	-84.3	-84.3	0.47 (1)	4.96	I- G	0 / 1553	0.35 (1)
E- F	-1363 / 0	-84.3	-84.3	0.47 (1)	4.96	C- J	0 / 304	0.07 (1)
F- G	-1004 / 0	-84.3	-84.3	0.45 (1)	5.60	I- F	-989 / 0	0.97 (1)
H- G	-1390 / 0	0.0	0.0	0.34 (1)	5.52	J- D	-540 / 0	0.53 (1)
M- A	-132 / 0	0.0	0.0	0.02 (1)	7.81	J- F	0 / 565	0.13 (1)
M- L	0 / 1134	-28.0	-28.0	0.54 (2)	10.00			
L- K	0 / 1168	-28.0	-28.0	0.56 (2)	10.00			
K- J	0 / 1168	-28.0	-28.0	0.56 (2)	10.00			
J- I	0 / 1004	-28.0	-28.0	0.38 (2)	10.00			
I- H	0 / 0	-28.0	-28.0	0.26 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.87")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.18")
ALLOWABLE DEFL.(TL)= L/360 (0.87")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.30")

CSI: TC=0.47/1.00 (D-F:1) , BC=0.56/1.00 (J-L:2) , WB=1.00/1.00 (B-M:1) , SSI=0.24/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI)		SHEAR (PLI)		SECTION (PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

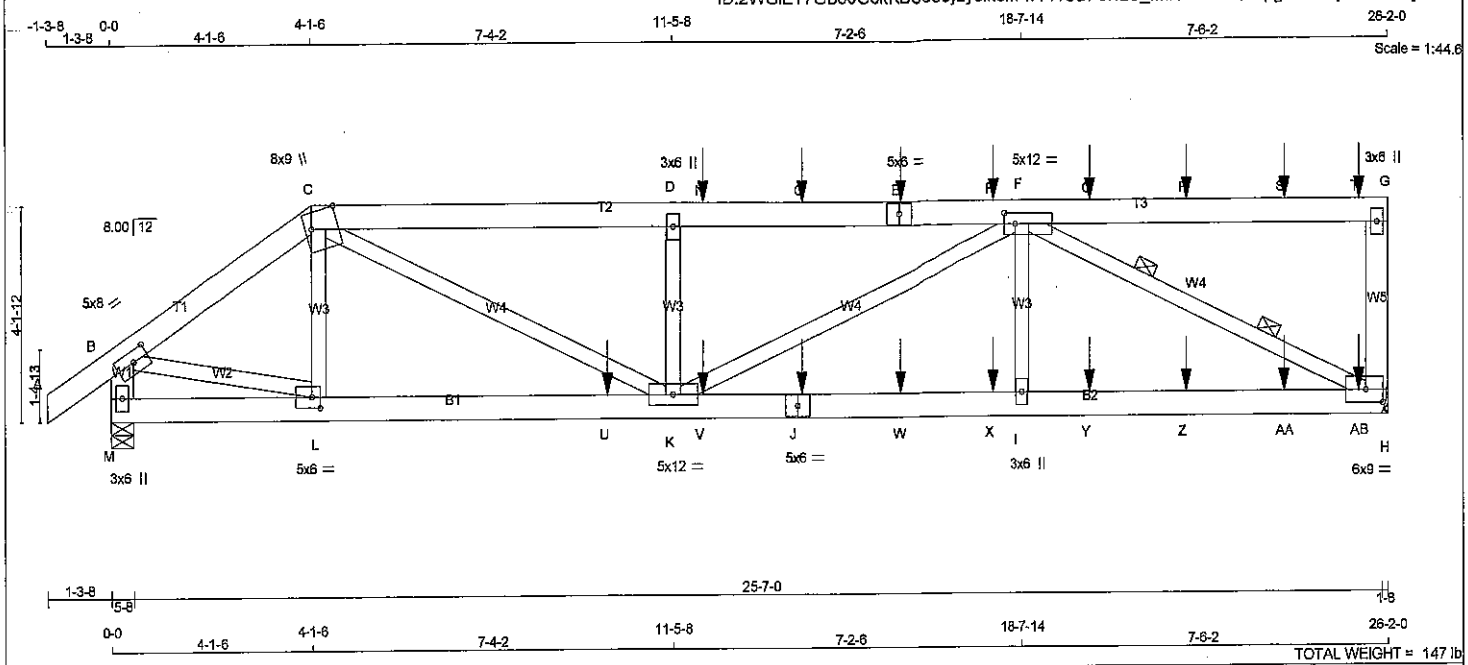
JSI GRIP= 0.89 (C) (INPUT = 0.90)
JSI METAL= 0.41 (B) (INPUT = 1.00)

DWG NO. TAM 5123 -18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T284	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:43 2017 Page 1
ID:2WGIEY7GB80O3kKBOcC5yzyemsm-wT44CBPoN2U_rMRcBkvxtQ1wpgKSZ5opCH247OyehYY



LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	No.2	SPF
C - E	2x6	DRY	No.2	SPF
E - G	2x6	DRY	No.2	SPF
H - G	2x6	DRY	No.2	SPF
M - B	2x6	DRY	No.2	SPF
M - J	2x6	DRY	No.2	SPF
J - H	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	8.0	2.50	3.75
C	TTWW+m	MT20	8.0	9.0	Edge	6.50
D	TMW+w	MT20	3.0	6.0		
E	TS-t	MT20	5.0	6.0		
F	TMWWW-t	MT20	5.0	12.0	2.50	2.75
G	TMV+p	MT20	3.0	6.0		
H	BMWW1-t	MT20	6.0	9.0	3.00	4.25
I	BMV+w	MT20	3.0	6.0		
J	BS-t	MT20	5.0	6.0		
K	BMWWW-t	MT20	5.0	12.0		
L	BMWW-t	MT20	5.0	6.0	2.50	2.00
M	BMV1+p	MT20	3.0	6.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

HANGERS NOTES
1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 104.0 lbs FACTORED DOWN AT 12-0-12, 104.0 lbs FACTORED DOWN AT 14-0-12, 104.0 lbs FACTORED DOWN AT 16-0-12, 104.0 lbs FACTORED DOWN AT 18-0-12, 104.0 lbs FACTORED DOWN AT 20-0-12, 104.0 lbs FACTORED DOWN AT 22-0-12, AND 104.0 lbs FACTORED DOWN AT 24-0-12, AND 120.7 lbs FACTORED DOWN AT 25-6-12 ON TOP CHORD, AND 965.4 lbs FACTORED DOWN AT 10-1-8, 71.5 lbs FACTORED DOWN AT 12-0-12, 71.5 lbs FACTORED DOWN AT 14-0-12, 71.5 lbs FACTORED DOWN AT 16-0-12, 71.5 lbs FACTORED DOWN AT 18-0-12, 71.5 lbs FACTORED DOWN AT 20-0-12, 71.5 lbs FACTORED DOWN AT 22-0-12, AND 71.5 lbs FACTORED DOWN AT 24-0-12, AND 81.2 lbs FACTORED DOWN AT 25-6-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
H	2705	0	2705	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 2-15	
M	2498	0	2498	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	2226	1228 / 0	512 / 0	0 / 0	0 / 0	486 / 0	0 / 0
M	2022	1169 / 0	429 / 0	0 / 0	0 / 0	425 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) M

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.89 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

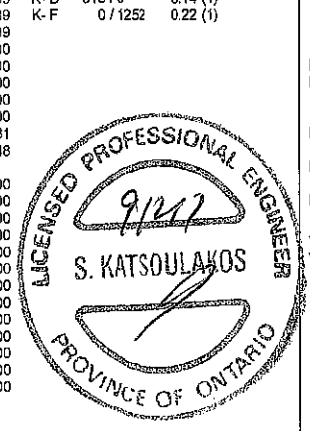
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

2 LATERAL BRACE(S) AT 1/ 3 LENGTH OF F-H.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 33	-84.3	-84.3	0.07 (1)	10.00	L- C	-119 / 138	0.02 (3)
B- C	-3048 / 0	-84.3	-84.3	0.19 (1)	4.64	B- L	0 / 2585	0.46 (1)
C- D	-5281 / 0	-84.3	-84.3	0.56 (1)	3.34	F- H	-4642 / 0	0.82 (1)
D- N	-5281 / 0	-84.3	-84.3	0.84 (1)	2.89	C- K	0 / 3080	0.54 (1)
N- O	-5281 / 0	-84.3	-84.3	0.84 (1)	2.89	I- F	0 / 688	0.12 (3)
O- E	-5281 / 0	-84.3	-84.3	0.84 (1)	2.89	K- D	-813 / 0	0.14 (1)
E- P	-5281 / 0	-84.3	-84.3	0.84 (1)	2.89	K- F	0 / 1252	0.22 (1)
P- F	-5281 / 0	-84.3	-84.3	0.84 (1)	2.89			
F- Q	0 / 0	-84.3	-84.3	0.54 (1)	10.00			
Q- R	0 / 0	-84.3	-84.3	0.54 (1)	10.00			
R- S	0 / 0	-84.3	-84.3	0.54 (1)	10.00			
S- T	0 / 0	-84.3	-84.3	0.54 (1)	10.00			
T- G	0 / 0	-84.3	-84.3	0.54 (1)	10.00			
H- G	-471 / 0	0.0	0.0	0.07 (1)	7.81			
M- B	-2525 / 0	0.0	0.0	0.18 (1)	6.48			
M- L	0 / 0	-28.0	-28.0	0.27 (1)	10.00			
L- U	0 / 2524	-28.0	-28.0	0.85 (1)	10.00			
U- K	0 / 2524	-28.0	-28.0	0.85 (1)	10.00			
K- V	0 / 4166	-28.0	-28.0	0.89 (1)	10.00			
V- J	0 / 4166	-28.0	-28.0	0.89 (1)	10.00			
J- W	0 / 4166	-28.0	-28.0	0.89 (1)	10.00			
W- X	0 / 4166	-28.0	-28.0	0.89 (1)	10.00			
X- I	0 / 4166	-28.0	-28.0	0.89 (1)	10.00			
I- Y	0 / 4166	-28.0	-28.0	0.76 (1)	10.00			
Y- Z	0 / 4166	-28.0	-28.0	0.76 (1)	10.00			
Z-AA	0 / 4166	-28.0	-28.0	0.76 (1)	10.00			
AA-AB	0 / 4166	-28.0	-28.0	0.76 (1)	10.00			
AB- H	0 / 4166	-28.0	-28.0	0.76 (1)	10.00			



[M]

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.87")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.24")
ALLOWABLE DEFL.(TL)= L/360 (0.87")
CALCULATED VERT. DEFL.(TL) = L/ 822 (0.38")

CSI: TC=0.84 (D-F:1) , BC=0.89 (I-K:1) , WB=0.82 (F-H:1) , SSI=0.60 (K-L:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (H) (INPUT = 0.90)
JSI METAL= 0.69 (H) (INPUT = 1.00)

P6 1/2

DWG NO. TAM46129-17
STRUCTURAL
COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T284	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

ID:2WGlEY7GB80O3kKB0cC5yzyemsm-OfeSPXQQ8MdrTW0plSQAQda5Z4fhlY2yRxodfryehYX

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
E	16-0-12	-104	-104	—	BACK	VERT	TOTAL
J	14-0-12	-41	-71	—	BACK	VERT	TOTAL
N	12-0-12	-104	-104	—	BACK	VERT	TOTAL
O	14-0-12	-104	-104	—	BACK	VERT	TOTAL
P	18-0-12	-104	-104	—	BACK	VERT	TOTAL
Q	20-0-12	-104	-104	—	BACK	VERT	TOTAL
R	22-0-12	-104	-104	—	BACK	VERT	TOTAL
S	24-0-12	-104	-104	—	BACK	VERT	TOTAL
T	25-6-12	-121	-121	—	BACK	VERT	TOTAL
U	10-1-8	-965	-965	—	BACK	VERT	TOTAL
V	12-0-12	-41	-71	—	BACK	VERT	TOTAL
W	16-0-12	-41	-71	—	BACK	VERT	TOTAL
X	18-0-12	-41	-71	—	BACK	VERT	TOTAL
Y	20-0-12	-41	-71	—	BACK	VERT	TOTAL
Z	22-0-12	-41	-71	—	BACK	VERT	TOTAL
AA	24-0-12	-41	-71	—	BACK	VERT	TOTAL
AB	25-6-12	-46	-81	—	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
9/11
S. KATSOULAKOS
PROVINCE OF ONTARIO

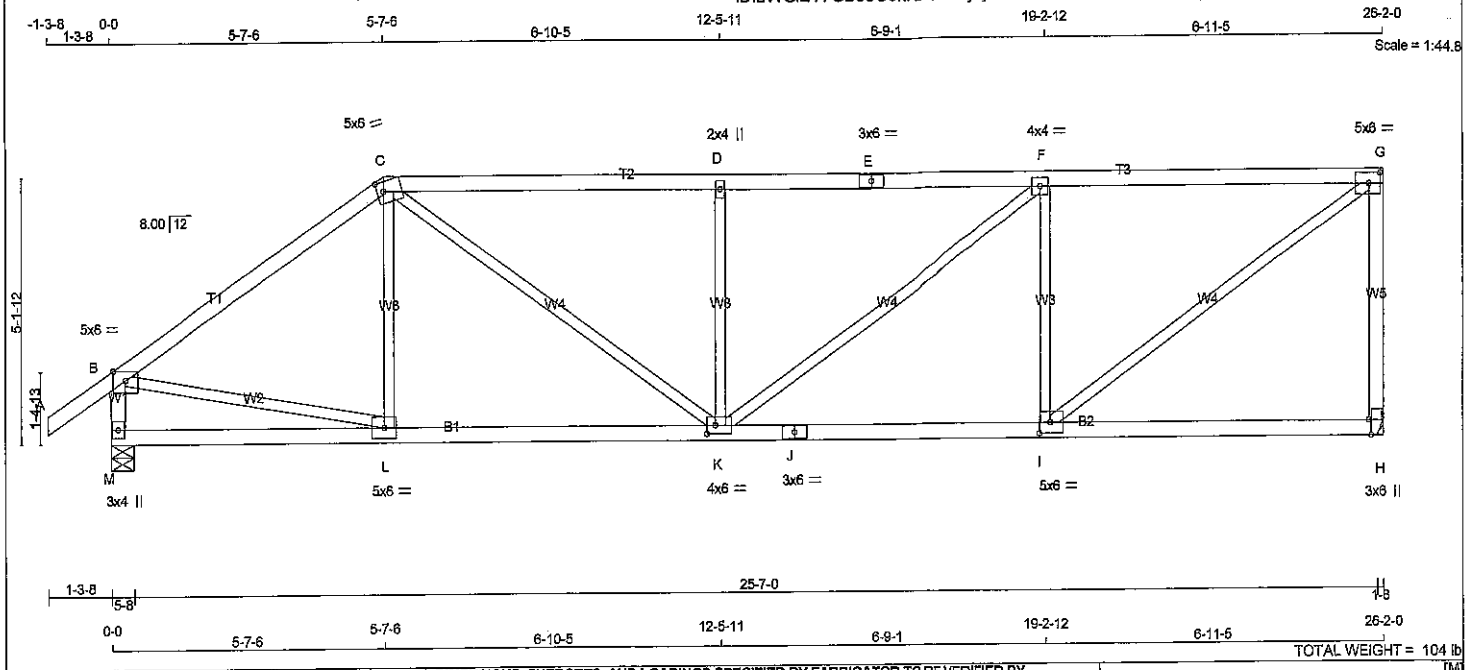
DWG NO. TAM 46129-17 PWH
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T285	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:44 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-OfeSPXQQ8MdrTW0plSQAQda7A4kSldqyRxodfryehYX



TOTAL WEIGHT = 104 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
M - B	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TTWW-m	MT20	5.0	6.0	2.25	1.50
D	TMW+w	MT20	2.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMWW-t	MT20	4.0	4.0		
G	TMVW-t	MT20	5.0	6.0	2.50	2.75
H	BMV1+t	MT20	3.0	6.0	Edge	0.50
I	BMWW-t	MT20	5.0	6.0	2.50	2.75
J	BS-t	MT20	3.0	6.0		
K	BMWWW-t	MT20	4.0	6.0	2.00	2.00
L	BMWW-t	MT20	5.0	6.0		
M	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
H	1469	0	1469	0	0	IN-SX	IN-SX
						HANGER BY OTHERS	
						MIN. SEAT SIZE: 1-8	
M	1584	0	1584	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1206	669 / 0	275 / 0	0 / 0	0 / 0	262 / 0	0 / 0
M	1284	740 / 0	275 / 0	0 / 0	0 / 0	270 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) M

BRACING

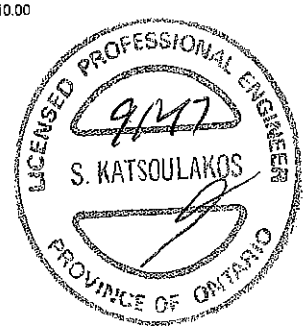
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.88 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A-B	0 / 32	-84.3	-84.3	1	0.11 (1)	10.00	L-C	-60 / 209	0.05 (3)
B-C	-1642 / 0	-84.3	-84.3	1	0.58 (1)	4.49	B-L	0 / 1389	0.31 (1)
C-D	-2069 / 0	-84.3	-84.3	1	0.72 (1)	3.92	I-G	0 / 2013	0.45 (1)
D-E	-2069 / 0	-84.3	-84.3	1	0.74 (1)	3.88	C-K	0 / 864	0.19 (1)
E-F	-2069 / 0	-84.3	-84.3	1	0.74 (1)	3.88	I-F	-936 / 0	0.37 (1)
F-G	-1649 / 0	-84.3	-84.3	1	0.68 (1)	4.32	K-D	-622 / 0	0.24 (1)
H-G	-1390 / 0	0.0	0.0	1	0.63 (1)	6.90	K-F	0 / 517	0.12 (1)
M-B	-1523 / 0	0.0	0.0	1	0.16 (1)	6.66			
M-L	0 / 0	-28.0	-28.0	1	0.28 (3)	10.00			
L-K	0 / 1363	-28.0	-28.0	1	0.43 (2)	10.00			
K-J	0 / 1649	-28.0	-28.0	1	0.52 (2)	10.00			
J-I	0 / 1649	-28.0	-28.0	1	0.52 (2)	10.00			
I-H	0 / 0	-28.0	-28.0	1	0.33 (3)	10.00			



DWG NO. TAM-96130-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.87")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.11")
ALLOWABLE DEFL.(TL)= L/360 (0.87")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.18")

CSI: TC=0.74 (D-F:1) , BC=0.52 (I-K:2) , WB=0.45 (G-I:1) , SSI=0.27 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

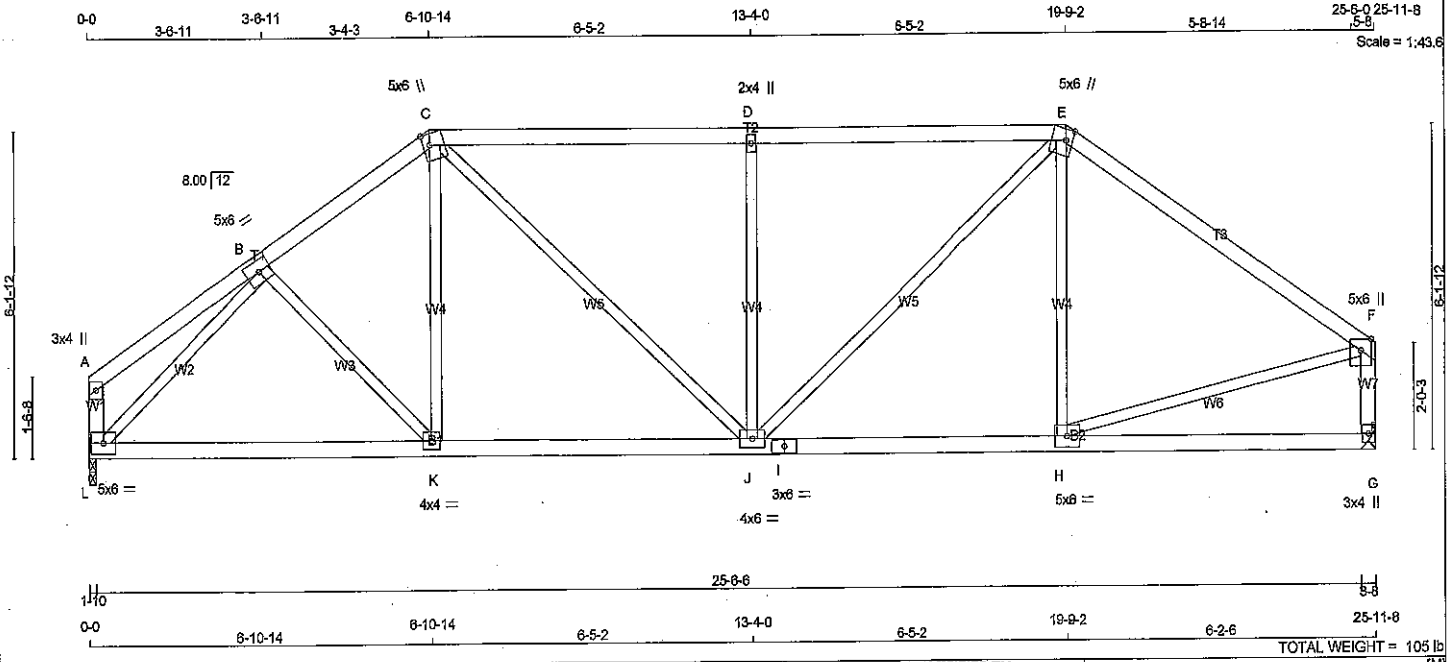
JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL= 0.45 (J) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286076	T286A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 08:02:00 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-E4eu0_MPowBduN3JwxQeTNzbHThyxfZyE21xAezsYSr



TOTAL WEIGHT = 105 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - F	2x4	DRY	No.2	SPF
L - A	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
L - I	2x4	DRY	No.2	SPF
I - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWW-t	MT20	5.0	6.0		
C	TTWW+m	MT20	5.0	6.0	2.50	1.50
D	TMW+w	MT20	2.0	4.0		
E	TTWW+m	MT20	5.0	6.0	2.50	1.50
F	TMVW+p	MT20	5.0	6.0	Edge	
G	BMV1+p	MT20	3.0	4.0		
H	BMWW-t	MT20	5.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMWWW-t	MT20	4.0	6.0		
K	BMWW-t	MT20	4.0	4.0		
L	BMVW1-t	MT20	5.0	6.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
L	1457	0	1457	0	0	1-10	1-10
G	1457	0	1457	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	IN-SX IN-SX

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1196	664 / 0	273 / 0	0 / 0	0 / 0	260 / 0	0 / 0
G	1196	664 / 0	273 / 0	0 / 0	0 / 0	260 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) L

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.15 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

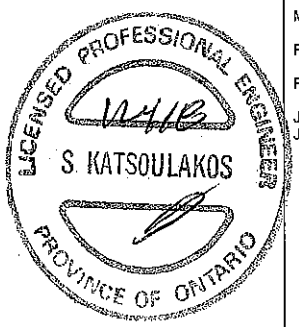
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 17	-84.3	-84.3	0.14 (1)	10.00
B- C	-1566 / 0	-84.3	-84.3	0.18 (1)	5.09
C- D	-1697 / 0	-84.3	-84.3	0.71 (1)	4.15
D- E	-1697 / 0	-84.3	-84.3	0.71 (1)	4.15
E- F	-1445 / 0	-84.3	-84.3	0.70 (1)	4.52
L- A	-115 / 0	0.0	0.0	0.01 (1)	7.81
G- F	-1387 / 0	0.0	0.0	0.16 (1)	6.90
L- K	0 / 1237	-28.0	-28.0	0.46 (2)	10.00
K- J	0 / 1290	-28.0	-28.0	0.48 (2)	10.00
J- I	0 / 1199	-28.0	-28.0	0.43 (2)	10.00
I- H	0 / 1199	-28.0	-28.0	0.43 (2)	10.00
H- G	0 / 0	-28.0	-28.0	0.28 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
B- K	0 / 147	0.03 (3)
K- C	0 / 276	0.06 (2)
C- J	0 / 550	0.12 (1)
J- D	-664 / 0	0.40 (1)
J- E	0 / 673	0.15 (1)
H- E	-119 / 186	0.07 (1)
L- B	-1768 / 0	0.68 (1)
H- F	0 / 1244	0.28 (1)



DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	48.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.87")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (0.87")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.17")

CSI: TC=0.71/1.00 (C-D:1) , BC=0.48/1.00 (J-K:2) , WB=0.68/1.00 (B-L:1) , SSI=0.26/1.00 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2264	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.68 (F) (INPUT = 0.90)
JSI METAL= 0.44 (B) (INPUT = 1.00)

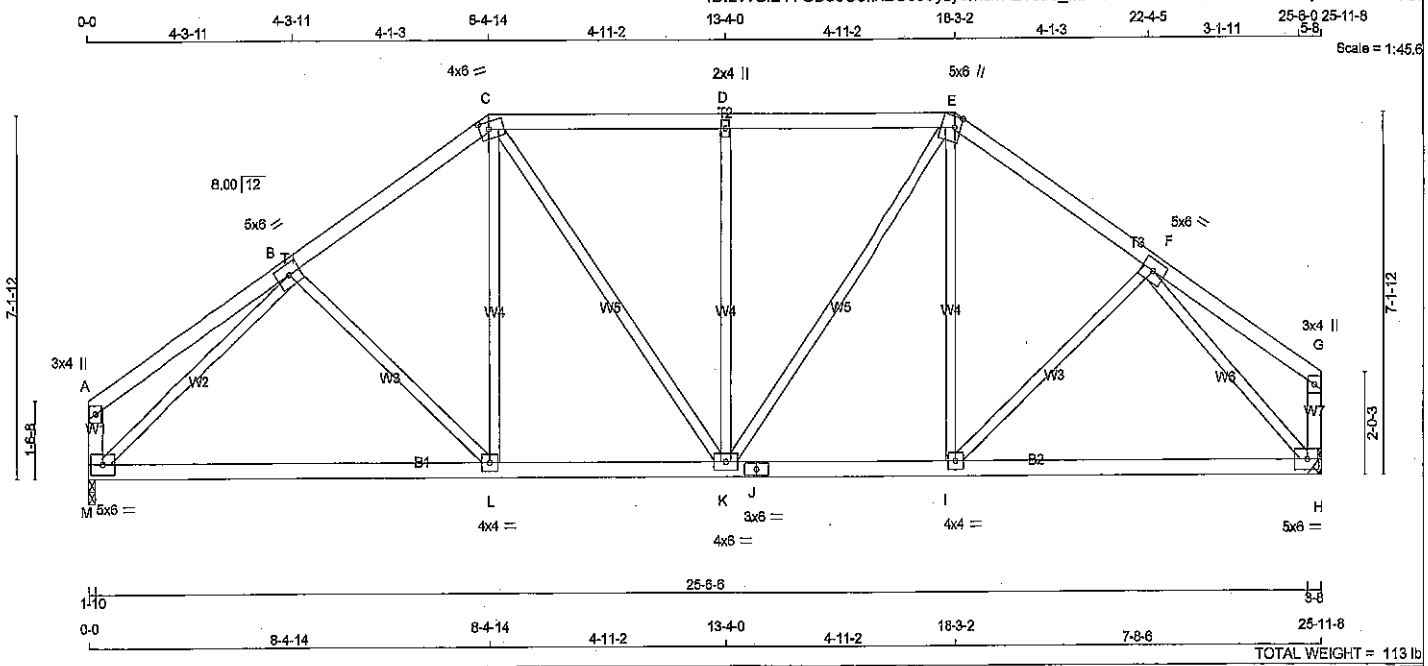
DWG NO. TAM 5126-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286076	T287A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 08:02:00 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-E4eu0_MPowBduN3JwxQeTNzi0Tf5xahyE21xAezsYSr



TOTAL WEIGHT = 113 lb

[MiTek]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
M - A	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWW-t	MT20	5.0	6.0		
C	TTWW-m	MT20	4.0	6.0	1.75	2.25
D	TMW+w	MT20	2.0	4.0		
E	TTWW+m	MT20	5.0	6.0	2.50	1.50
F	TMWW-t	MT20	5.0	6.0		
G	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	5.0	6.0		
I	BMWW-t	MT20	4.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMWWW-t	MT20	4.0	6.0		
L	BMWW-t	MT20	4.0	4.0		
M	BMVW1-t	MT20	5.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG.	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
M	1457	0	1457	0	0	1-10	1-10
H	1457	0	1457	0	0	HANGER BY OTHERS	
						MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1196	664 / 0	273 / 0	0 / 0	0 / 0	260 / 0	0 / 0
H	1196	664 / 0	273 / 0	0 / 0	0 / 0	260 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) M

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.15 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 22	-84.3	-84.3	0.23 (1)		10.00
B- C	-1509 / 0	-84.3	-84.3	0.21 (1)		5.15
C- D	-1412 / 0	-84.3	-84.3	0.28 (1)		5.18
D- E	-1412 / 0	-84.3	-84.3	0.28 (1)		5.18
E- F	-1434 / 0	-84.3	-84.3	0.19 (1)		5.27
F- G	0 / 23	-84.3	-84.3	0.20 (1)		10.00
M- A	-137 / 0	0.0	0.0	0.01 (1)		7.81
H- G	-106 / 0	0.0	0.0	0.01 (1)		7.81
M- L	0 / 1277	-28.0	-28.0	0.59 (2)		10.00
L- K	0 / 1240	-28.0	-28.0	0.60 (2)		10.00
K- J	0 / 1178	-28.0	-28.0	0.52 (2)		10.00
J- I	0 / 1178	-28.0	-28.0	0.52 (2)		10.00
I- H	0 / 1095	-28.0	-28.0	0.50 (2)		10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
B- L	-57 / 111	0.03 (1)
L- C	0 / 387	0.09 (2)
C- K	0 / 295	0.07 (1)
K- D	-505 / 0	0.45 (1)
K- E	0 / 401	0.09 (1)
I- E	0 / 287	0.06 (3)
I- F	0 / 179	0.04 (2)
M- B	-1766 / 0	0.99 (1)
F- H	-1671 / 0	0.76 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.87")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.21")
ALLOWABLE DEFL.(TL)= L/360 (0.87")
CALCULATED VERT. DEFL.(TL) = L/ 900 (0.35")

CSI: TC=0.28/1.00 (C-D:1) , BC=0.60/1.00 (K-L:2) , WB=0.99/1.00 (B-M:1) , SSI=0.20/1.00 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	622	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (C) (INPUT = 0.90)
JSI METAL= 0.43 (B) (INPUT = 1.00)

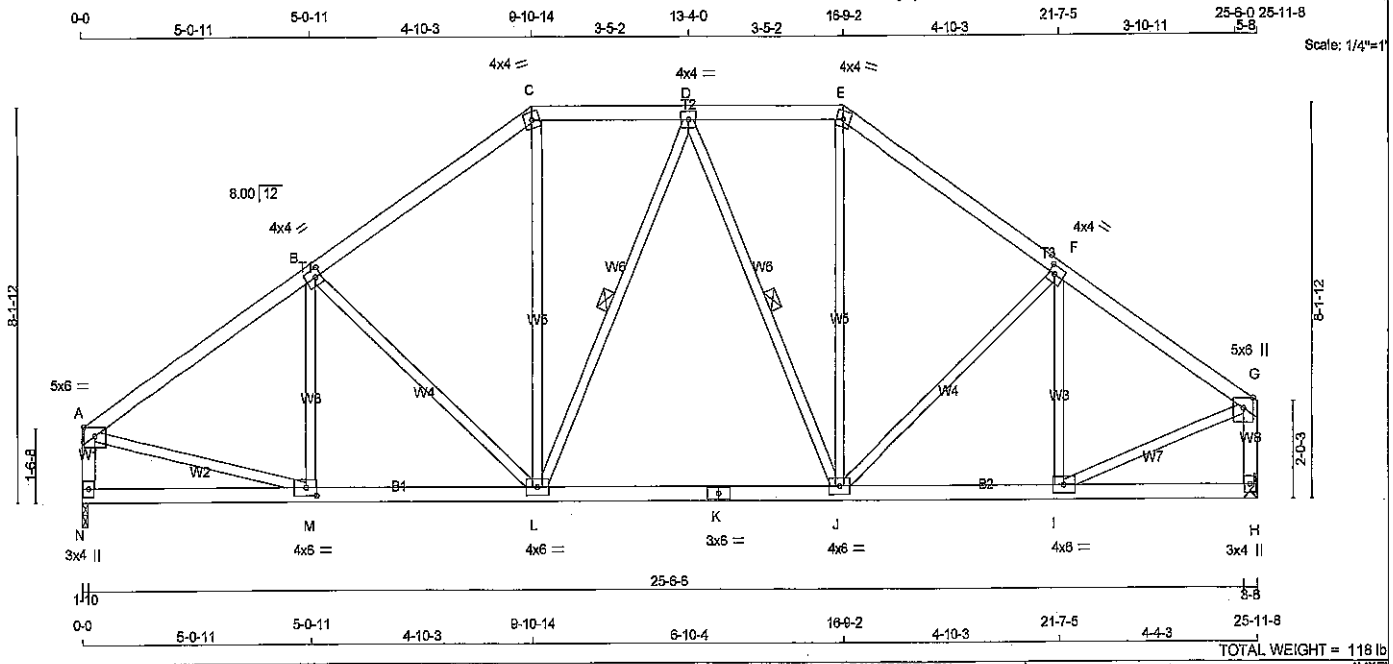
DWG NO. TAM 5127-17
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286076	T288A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 08:02:01 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-iGCHEKN1ZDJUVXeVUfyt?bWtSs21gCX5SinVi4zsYSq



TOTAL WEIGHT = 118 lb

[MiTek]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
N - A	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
N - K	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	Edge	
B	TMWW-t	MT20	4.0	4.0	2.00	1.50
C	TTW-m	MT20	4.0	4.0		
D	TMWW-t	MT20	4.0	4.0		
E	TTW-m	MT20	4.0	4.0		
F	TMWW-t	MT20	4.0	4.0	2.00	1.50
G	TMVW+p	MT20	5.0	6.0	Edge	
H	BMV1+p	MT20	3.0	4.0		
I	BMWW-t	MT20	4.0	6.0		
J	BMWWW-t	MT20	4.0	6.0		
K	BS-t	MT20	3.0	6.0		
L	BMWWW-t	MT20	4.0	6.0		
M	BMWW-t	MT20	4.0	6.0	2.00	2.75
N	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
N	1457	0	1457	0	0	1-10	1-10
H	1457	0	1457	0	0	IN-SX	IN-SX
						HANGER BY OTHERS	
						MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SDIL
N	1196	664 / 0	273 / 0	0 / 0	0 / 0	260 / 0	0 / 0
H	1196	664 / 0	273 / 0	0 / 0	0 / 0	260 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) N

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.92 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF D-L, D-J.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX. CSI (LC)	MAX. UNBRAC LENGTH
A- B	-1604 / 0	-84.3	-84.3	0.30 (1)	4.92
B- C	-1407 / 0	-84.3	-84.3	0.29 (1)	5.19
C- D	-1152 / 0	-84.3	-84.3	0.13 (1)	5.80
D- E	-1119 / 0	-84.3	-84.3	0.13 (1)	5.87
E- F	-1363 / 0	-84.3	-84.3	0.28 (1)	5.29
F- G	-1420 / 0	-84.3	-84.3	0.25 (1)	5.22
N- A	-1396 / 0	0.0	0.0	0.15 (1)	6.89
H- G	-1406 / 0	0.0	0.0	0.16 (1)	6.87
N- M	0 / 0	-28.0	-28.0	0.15 (2)	10.00
M- L	0 / 1357	-28.0	-28.0	0.36 (2)	10.00
L- K	0 / 1208	-28.0	-28.0	0.35 (2)	10.00
K- J	0 / 1208	-28.0	-28.0	0.35 (2)	10.00
J- I	0 / 1204	-28.0	-28.0	0.35 (2)	10.00
I- H	0 / 0	-28.0	-28.0	0.12 (3)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
M- B	-183 / 95	0.07 (1)
B- L	-288 / 0	0.24 (1)
L- C	0 / 495	0.11 (1)
L- D	-142 / 9	0.07 (1)
D- J	-226 / 0	0.11 (1)
J- E	0 / 467	0.10 (1)
J- F	-124 / 0	0.10 (1)
I- F	-338 / 0	0.12 (1)
A- M	0 / 1398	0.31 (1)
I- G	0 / 1292	0.29 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.87")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.67")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.13")

CSI: TC=0.30/1.00 (A-B:1) , BC=0.36/1.00 (L-M:2) , WB=0.31/1.00 (A-M:1) , SSI=0.17/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (M) (INPUT = 0.90)
JSI METAL= 0.47 (K) (INPUT = 1.00)

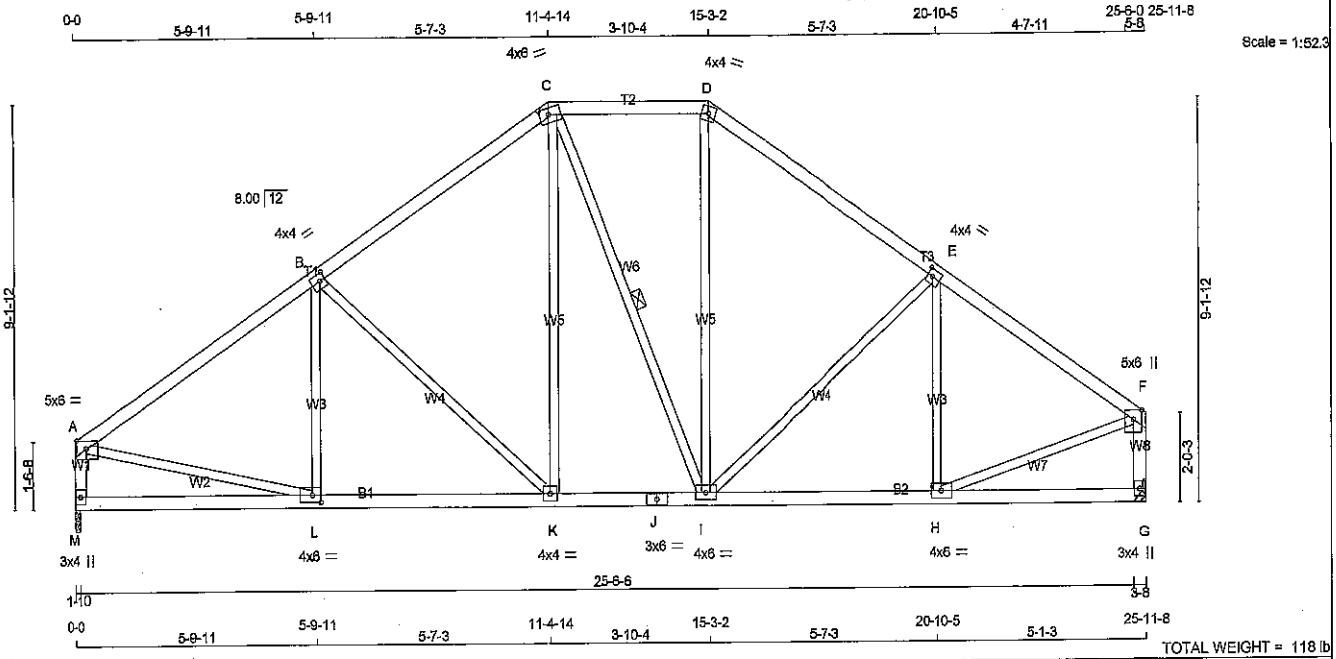
DWG NO. TAM 5/28 -18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286076	T289A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 08:02:01 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-iGCHEKN1ZDJUVXeVUfyt?bWrls1Ug9a5SinVi4zsYSq



TOTAL WEIGHT = 118 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
M - A	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
J - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	Edge	
B	TMWW-t	MT20	4.0	4.0	2.00	1.50
C	TTWW-m	MT20	4.0	6.0	1.75	2.50
D	TTW-m	MT20	4.0	4.0		
E	TMWW-t	MT20	4.0	4.0	2.00	1.50
F	TMVW+p	MT20	5.0	6.0	Edge	
G	BMV1+p	MT20	3.0	4.0		
H	BMWW-t	MT20	4.0	6.0		
I	BMWWW-t	MT20	4.0	6.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	4.0		
L	BMWW-t	MT20	4.0	6.0	2.00	2.50
M	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
M	1457	0	1457	0	0	1-10	1-10
G	1457	0	1457	0	0	IN-SX	IN-SX
						HANGER BY OTHERS	
						MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1196	664 / 0	273 / 0	0 / 0	0 / 0	260 / 0	0 / 0
G	1196	664 / 0	273 / 0	0 / 0	0 / 0	260 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) M

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.77 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF C-I.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	-1619 / 0	-84.3	-84.3	0.41 (1)	4.77
B- C	-1302 / 0	-84.3	-84.3	0.38 (1)	5.22
C- D	-1044 / 0	-84.3	-84.3	0.17 (1)	5.96
D- E	-1280 / 0	-84.3	-84.3	0.35 (1)	5.30
E- F	-1464 / 0	-84.3	-84.3	0.34 (1)	5.04
M- A	-1391 / 0	0.0	0.0	0.15 (1)	6.90
G- F	-1401 / 0	0.0	0.0	0.16 (1)	6.88
M- L	0 / 0	-28.0	-28.0	0.24 (3)	10.00
L- K	0 / 1373	-28.0	-28.0	0.40 (2)	10.00
K- J	0 / 1059	-28.0	-28.0	0.25 (2)	10.00
J- I	0 / 1059	-28.0	-28.0	0.25 (2)	10.00
I- H	0 / 1245	-28.0	-28.0	0.34 (2)	10.00
H- G	0 / 0	-28.0	-28.0	0.20 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
L- B	-103 / 185	0.05 (1)
B- K	-427 / 0	0.50 (1)
K- C	0 / 409	0.09 (2)
C- I	-39 / 0	0.03 (1)
I- D	0 / 376	0.08 (2)
I- E	-274 / 0	0.32 (1)
H- E	-244 / 96	0.11 (1)
A- L	0 / 1403	0.32 (1)
H- F	0 / 1311	0.30 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.87")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.87")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.11")

CSI: TC=0.41/1.00 (A-B:1) , BC=0.40/1.00 (K-L:2) , WB=0.50/1.00 (B-K:1) , SSI=0.20/1.00 (A-B:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (F) (INPUT = 0.90)
JSI METAL= 0.34 (L) (INPUT = 1.00)

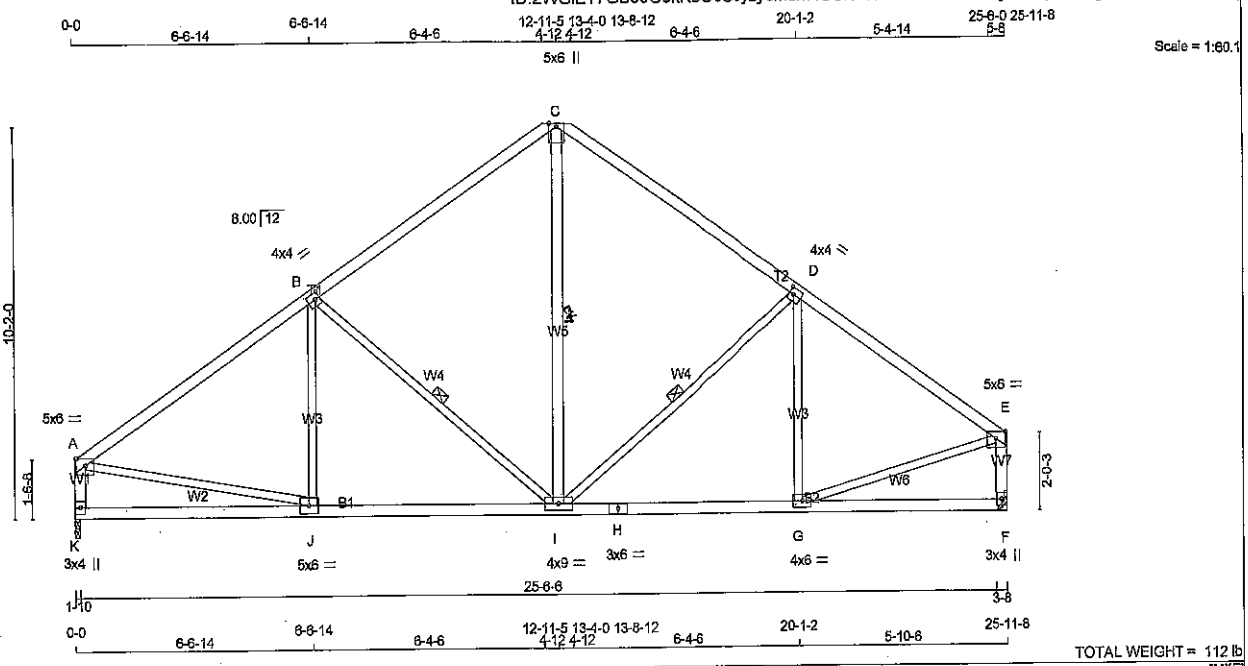
DWG NO. TAM 5129-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286076	T290A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Dec 12 2017 MiTek Industries, Inc. Tue Jan 23 08:02:01 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-iGCHEKN1ZDJUVXeVUfyt?bWpLs0YgCW5SinVi4zsYSq



TOTAL WEIGHT = 112 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
K - A	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				
I - C	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	Edge	
B	TMWW-t	MT20	4.0	4.0	2.00	1.50
C	TMTMW+p	MT20	5.0	6.0	Edge	
D	TMWW-t	MT20	4.0	4.0	2.00	1.50
E	TMVW-p	MT20	5.0	6.0	Edge	
F	BMV1+p	MT20	3.0	4.0		
G	BMWW-t	MT20	4.0	6.0		
H	BS-t	MT20	3.0	6.0		
I	BMWWW-t	MT20	4.0	9.0		
J	BMWW-t	MT20	5.0	6.0		
K	BMV1+p	MT20	3.0	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
K	1457	0	1457	0	0	1-10	1-10
F	1457	0	1457	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	1196	664 / 0	273 / 0	0 / 0	0 / 0	260 / 0	0 / 0
F	1196	664 / 0	273 / 0	0 / 0	0 / 0	260 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) K

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.55 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF B-I, D-I. C-I

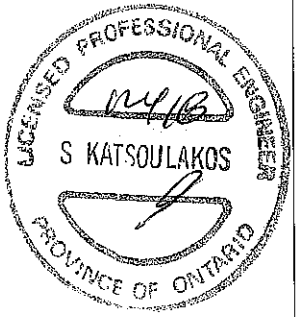
END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX. CSI	MAX. UNBRAC LENGTH
A- B	-1619 / 0	-84.3	-84.3	0.56 (1)		4.55
B- C	-1173 / 0	-84.3	-84.3	0.54 (1)		5.17
C- D	-1169 / 0	-84.3	-84.3	0.51 (1)		5.23
D- E	-1490 / 0	-84.3	-84.3	0.49 (1)		4.80
K- A	-1383 / 0	0.0	0.0	0.14 (1)		6.91
F- E	-1392 / 0	0.0	0.0	0.16 (1)		6.90
K- J	0 / 0	-28.0	-28.0	0.30 (3)		10.00
J- I	0 / 1379	-28.0	-28.0	0.46 (2)		10.00
I- H	0 / 1273	-28.0	-28.0	0.41 (2)		10.00
H- G	0 / 1273	-28.0	-28.0	0.41 (2)		10.00
G- F	0 / 0	-28.0	-28.0	0.26 (3)		10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
J- B	-49 / 239	0.05 (3)
B- I	-564 / 0	0.30 (1)
I- D	-426 / 0	0.22 (1)
G- D	-173 / 162	0.09 (1)
A- J	0 / 1403	0.32 (1)
G- E	0 / 1325	0.30 (1)
I- C	0 / 819	0.13 (1)



DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL.	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL.	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.87")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.87")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.14")

CSI: TC=0.56/1.00 (A-B:1) , BC=0.46/1.00 (I-J:2) , WB=0.32/1.00 (A-J:1) , SSI=0.23/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (G) (INPUT = 0.90)
JSI METAL= 0.35 (H) (INPUT = 1.00)

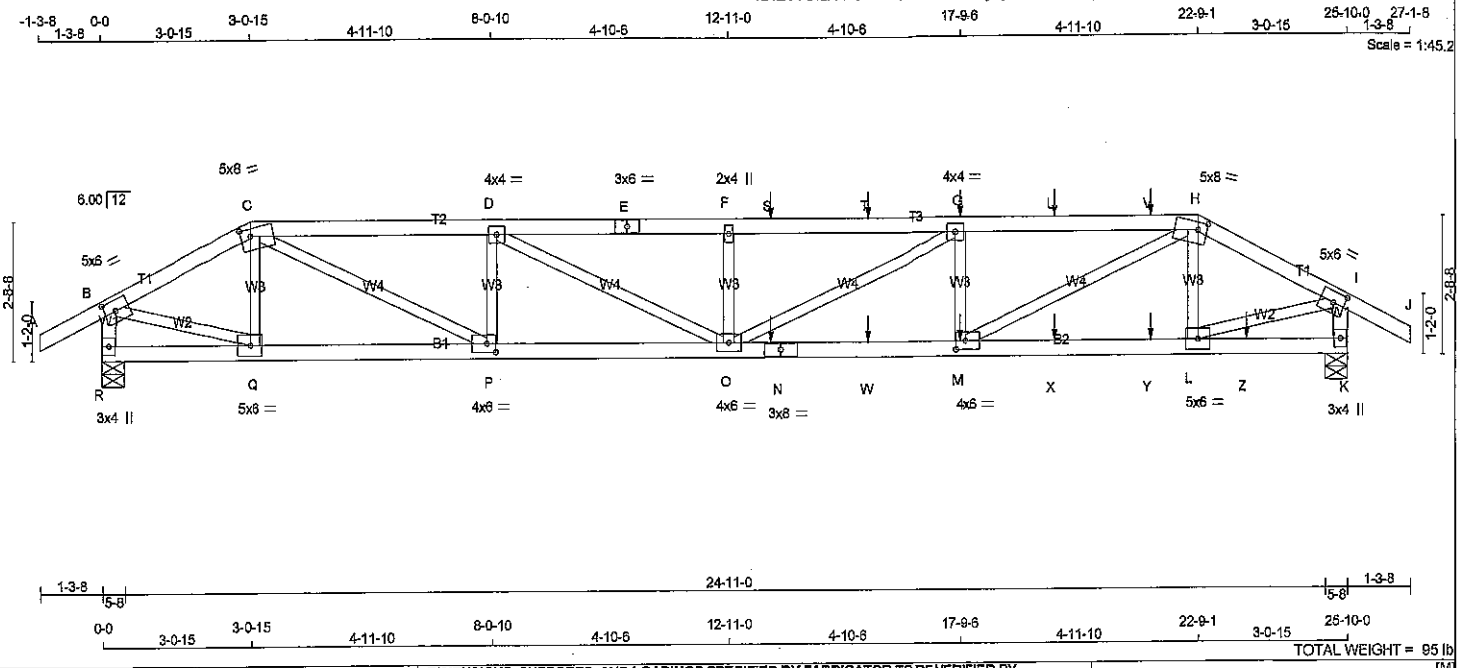
DWG NO. TAM 5130-B
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T291	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:45 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-srCqctR2vfli5gb?J9xPzr6KxU2y14c6gbXABHyehYW



TOTAL WEIGHT = 95 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - H	2x4	DRY	No.2	SPF
H - J	2x4	DRY	No.2	SPF
R - B	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
R - N	2x4	DRY	No.2	SPF
N - K	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	6.0	2.50	2.75
C	TTWW-m	MT20	5.0	8.0	1.75	2.25
D	TMWW-t	MT20	4.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMW+w	MT20	2.0	4.0		
G	TMWW-t	MT20	4.0	4.0		
H	TTWW-m	MT20	5.0	8.0	1.75	2.25
I	TMVW-t	MT20	5.0	6.0	2.50	2.75
K	BMV1+p	MT20	3.0	4.0		
L	BMWW-t	MT20	5.0	6.0		
M	BMWW-t	MT20	4.0	6.0	2.00	2.25
N	BS-t	MT20	3.0	8.0		
O	BMWWW-t	MT20	4.0	6.0		
P	BMWW-t	MT20	4.0	6.0	2.00	2.25
Q	BMWW-t	MT20	5.0	6.0		
R	BMV1+p	MT20	3.0	4.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) AT 13-9-4, AT 15-9-4, AT 17-9-4, AND AT 19-9-4, AND AT 21-9-4 ON TOP CHORD, AND AT 13-9-4, AT 15-9-4, AT 17-9-4, AT 19-9-4, AND AT 21-9-4, AND AT 23-9-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
R	1564	0	1564	0	0	5-8	5-8
K	1564	0	1564	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	1268	730 / 0	271 / 0	0 / 0	0 / 0	266 / 0	0 / 0
K	1268	730 / 0	271 / 0	0 / 0	0 / 0	266 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) R, K

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.03 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A-B	0 / 26	-84.3	-84.3	0.12 (1)	10.00	Q-C	-317 / 0	0.06 (1)
B-C	-1872 / 0	-84.3	-84.3	0.20 (1)	4.66	C-P	0 / 1950	0.48 (1)
C-D	-3414 / 0	-84.3	-84.3	0.54 (1)	3.31	P-D	-720 / 0	0.13 (1)
D-E	-3934 / 0	-84.3	-84.3	0.61 (1)	3.03	D-O	0 / 581	0.14 (1)
E-F	-3934 / 0	-84.3	-84.3	0.61 (1)	3.03	O-F	-379 / 0	0.07 (1)
F-S	-3934 / 0	-84.3	-84.3	0.61 (1)	3.03	O-G	0 / 581	0.14 (1)
S-T	-3934 / 0	-84.3	-84.3	0.61 (1)	3.03	M-G	-720 / 0	0.13 (1)
T-G	-3934 / 0	-84.3	-84.3	0.61 (1)	3.03	M-H	0 / 1950	0.48 (1)
G-U	-3414 / 0	-84.3	-84.3	0.54 (1)	3.31	L-H	-317 / 0	0.06 (1)
U-V	-3414 / 0	-84.3	-84.3	0.54 (1)	3.31	B-Q	0 / 1732	0.43 (1)
V-H	-3414 / 0	-84.3	-84.3	0.54 (1)	3.31	L-I	0 / 1732	0.43 (1)
H-I	-1872 / 0	-84.3	-84.3	0.20 (1)	4.66			
I-J	0 / 26	-84.3	-84.3	0.12 (1)	10.00			
R-B	-1535 / 0	0.0	0.0	0.17 (1)	6.60			
K-I	-1535 / 0	0.0	0.0	0.17 (1)	6.60			
R-Q	0 / 0	-28.0	-28.0	0.12 (2)	10.00			
Q-P	0 / 1659	-28.0	-28.0	0.37 (1)	10.00			
P-O	0 / 3414	-28.0	-28.0	0.69 (1)	10.00			
O-N	0 / 3414	-28.0	-28.0	0.69 (1)	10.00			
N-W	0 / 3414	-28.0	-28.0	0.69 (1)	10.00			
W-M	0 / 3414	-28.0	-28.0	0.69 (1)	10.00			
M-X	0 / 1659	-28.0	-28.0	0.37 (1)	10.00			
X-Y	0 / 1659	-28.0	-28.0	0.37 (1)	10.00			
Y-L	0 / 1659	-28.0	-28.0	0.37 (1)	10.00			
L-Z	0 / 0	-28.0	-28.0	0.12 (2)	10.00			
Z-K	0 / 0	-28.0	-28.0	0.12 (2)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
G	17-9-4	—	—	—	BACK	VERT	TOTAL
M	17-9-4	—	—	—	BACK	VERT	TOTAL
N	13-9-4	—	—	—	BACK	VERT	TOTAL
S	13-9-4	—	—	—	BACK	VERT	TOTAL
T	15-9-4	—	—	—	BACK	VERT	TOTAL
U	19-9-4	—	—	—	BACK	VERT	TOTAL
V	21-9-4	—	—	—	BACK	VERT	TOTAL
W	15-9-4	—	—	—	BACK	VERT	TOTAL
X	19-9-4	—	—	—	BACK	VERT	TOTAL
Y	21-9-4	—	—	—	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.86")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.27")
ALLOWABLE DEFL.(TL)= L/360 (0.86")
CALCULATED VERT. DEFL.(TL) = L/ 724 (0.43")

CSI: TC=0.61 (D-F:1) , BC=0.69 (M-O:1) , WB=0.48 (C-P:1) , SSI=0.21 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (C) (INPUT = 0.90)
JSI METAL= 0.91 (N) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

P6 1/2

DWG NO. TAM46136-17
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T291	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-srCqctR2vfil5gb?J9xPzr6KxU2y14c6gbXABHyehYW

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
Z	23-9-4	—	—	—	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

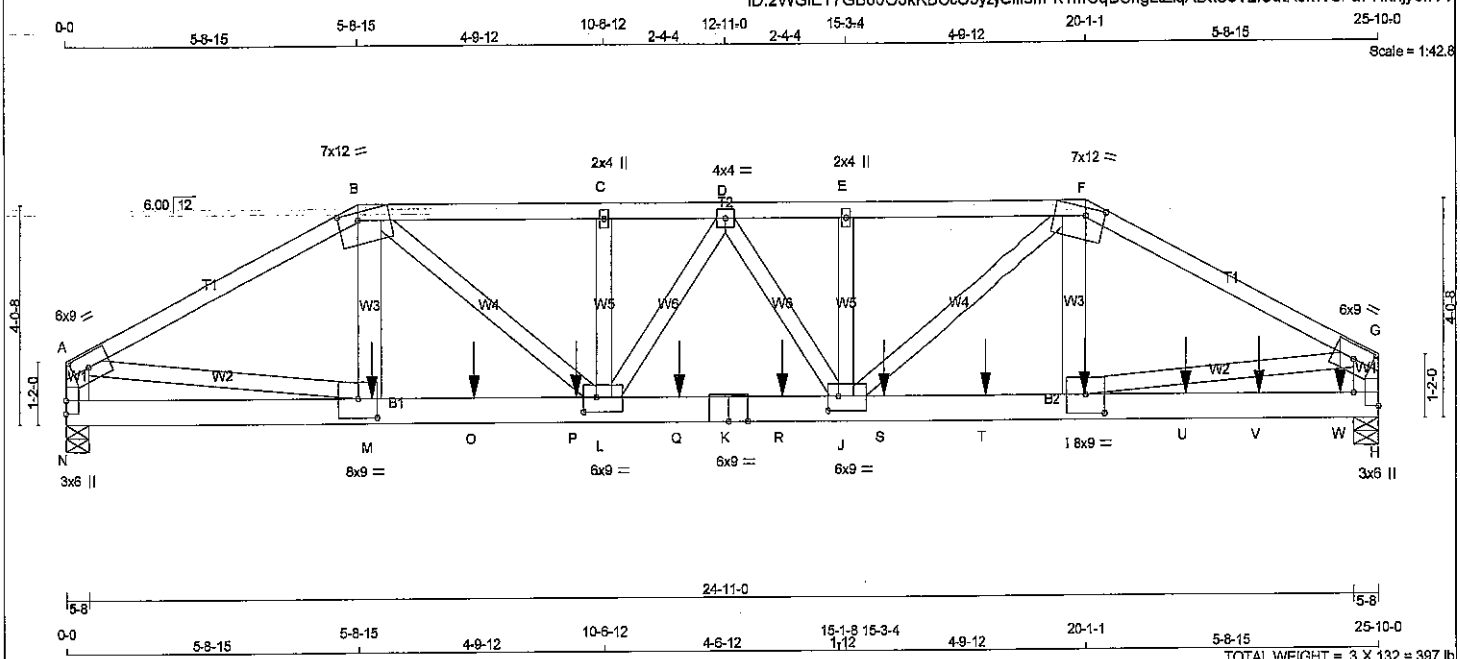
DWG NO. TAM 46136-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T292	1	3	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:46 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-K1mCqDShgztZiqABttSeV2fSutRjmTeFuFHkkjyehYV



TOTAL WEIGHT = 3 X 132 = 397 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - B	2x4	DRY	No.2	SPF
B - F	2x4	DRY	No.2	SPF
F - G	2x4	DRY	No.2	SPF
N - A	2x6	DRY	No.2	SPF
H - G	2x6	DRY	No.2	SPF
N - K	2x6	DRY	2100F 1.8E	SPF
K - H	2x6	DRY	2100F 1.8E	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF
M - B	2x6	DRY	No.2	SPF
I - F	2x6	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 3 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS		SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- B	1	12	TOP
B- F	1	12	TOP
F- G	1	12	TOP
N- A	2	12	TOP
H- G	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
N- K	2	9	SIDE(494.5)
K- H	2	9	SIDE(1119.3)
WEBS : (0.122"X3") SPIRAL NAILS			
2x4	1	6	
M- B	2	6	SIDE(271.9)
2x6	2	6	

STAGGER NAILS BY HALF THE SURFACE SPACING IN ADJACENT PLIES.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	6.0	9.0	3.00	4.00
B	TTWW-m	MT20	7.0	12.0	1.75	4.50
C	TMW+w	MT20	2.0	4.0		
D	TMWW-t	MT20	4.0	4.0		
E	TMW+w	MT20	2.0	4.0		
F	TTWW-m	MT20	7.0	12.0	1.75	4.50
G	TMVW-t	MT20	6.0	9.0	3.00	4.00
H	BMV1+p	MT20	3.0	6.0	3.00	Edge
I	BMWW-t	MT20	6.0	9.0	4.25	4.50
J	BMWWW-t	MT20	6.0	9.0	3.25	2.50
K	BS-t	MT20	6.0	9.0		
L	BMWWW-t	MT20	6.0	9.0	3.25	3.00
M	BMWW-t	MT20	8.0	9.0	4.25	4.50
N	BMV1+p	MT20	3.0	6.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
N	8473	0	8473	0	0	5-8	5-8
H	11409	0	11409	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	6910	3913 / 0	1523 / 0	0 / 0	0 / 0	1475 / 0	0 / 0
H	9289	5284 / 0	2031 / 0	0 / 0	0 / 0	1974 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) N, H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.44 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	-14475 / 0	-84.3	-84.3	0.70 (1)		2.89
B- C	-18483 / 0	-84.3	-84.3	0.66 (1)		2.44
C- D	-18483 / 0	-84.3	-84.3	0.42 (1)		2.55
D- E	-18477 / 0	-84.3	-84.3	0.42 (1)		2.55
E- F	-18477 / 0	-84.3	-84.3	0.66 (1)		2.44
F- G	-15582 / 0	-84.3	-84.3	0.79 (1)		2.73
N- A	-8408 / 0	0.0	0.0	0.18 (1)		6.28
H- G	-9032 / 0	0.0	0.0	0.19 (1)		6.07
N- M	0 / 0	-28.0	-28.0	0.02 (2)		10.00
M- O	0 / 13058	-28.0	-28.0	0.38 (1)		10.00
O- P	0 / 13058	-28.0	-28.0	0.38 (1)		10.00
P- L	0 / 13058	-28.0	-28.0	0.38 (1)		10.00
L- Q	0 / 18530	-28.0	-28.0	0.44 (1)		10.00
Q- K	0 / 18530	-28.0	-28.0	0.44 (1)		10.00
K- R	0 / 18530	-28.0	-28.0	0.44 (1)		10.00
R- J	0 / 18530	-28.0	-28.0	0.44 (1)		10.00
J- S	0 / 14130	-28.0	-28.0	0.49 (1)		10.00
S- T	0 / 14130	-28.0	-28.0	0.49 (1)		10.00
T- I	0 / 14130	-28.0	-28.0	0.49 (1)		10.00
I- U	0 / 0	-28.0	-28.0	0.38 (1)		10.00
U- V	0 / 0	-28.0	-28.0	0.38 (1)		10.00
V- W	0 / 0	-28.0	-28.0	0.38 (1)		10.00
W- H	0 / 0	-28.0	-28.0	0.38 (1)		10.00

WEBS MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
M- B	0 / 1902	0.07 (1)
B- L	0 / 6811	0.36 (1)
L- C	-295 / 27	0.02 (1)
J- E	-301 / 24	0.02 (1)
J- F	0 / 5456	0.29 (1)
I- F	0 / 3222	0.13 (1)
A- M	0 / 13047	0.70 (1)
I- G	0 / 14045	0.75 (1)
L- D	-87 / 0	0.01 (1)
D- J	-99 / 0	0.01 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
I	20-0-12	-1429	-1429	---	FRONT	VERT	TOTAL
M	6-0-4	-2677	-2877	---	FRONT	VERT	TOTAL
O	8-0-4	-1441	-1441	---	FRONT	VERT	TOTAL
P	10-0-4	-1429	-1429	---	FRONT	VERT	TOTAL
Q	12-0-4	-1429	-1429	---	FRONT	VERT	TOTAL
R	14-0-4	-1429	-1429	---	FRONT	VERT	TOTAL
S	16-0-4	-1429	-1429	---	FRONT	VERT	TOTAL
T	18-0-12	-1429	-1429	---	FRONT	VERT	TOTAL
U	22-0-12	-1429	-1429	---	FRONT	VERT	TOTAL
V	23-6-4	-1429	-1429	---	FRONT	VERT	TOTAL
W	25-1-4	-1433	-1433	---	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.66")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.28")
ALLOWABLE DEFL.(TL)= L/360 (0.66")
CALCULATED VERT. DEFL.(TL) = L/ 689 (0.45")

CSI: TC=0.79 (F-G:1) , BC=0.49 (I-J:1) , WB=0.75 (G-I:1) , SSI=0.48 (H-I:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

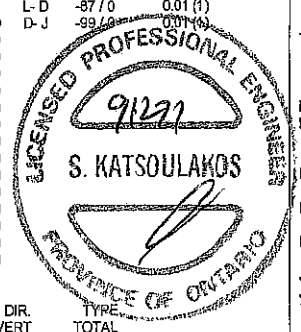
NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL= 0.99 (K) (INPUT = 1.00)



P6/6

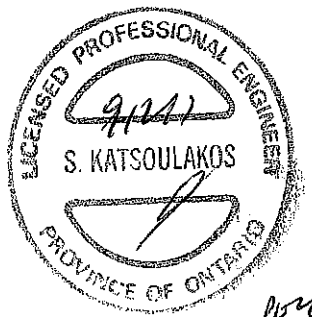
DWG NO. TAM46137-17
STRUCTURAL
COMPONENT ONLY

CONTINUED ON PAGE 2

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 2677.3 lbs FACTORED DOWN AT 6-0-4, 1440.8 lbs FACTORED DOWN AT 8-0-4, 1429.0 lbs FACTORED DOWN AT 10-0-4, 1429.0 lbs FACTORED DOWN AT 12-0-4, 1429.0 lbs FACTORED DOWN AT 14-0-4, 1429.0 lbs FACTORED DOWN AT 16-0-4, 1429.0 lbs FACTORED DOWN AT 18-0-12, 1429.0 lbs FACTORED DOWN AT 20-0-12, 1429.0 lbs FACTORED DOWN AT 22-0-12, AND 1429.0 lbs FACTORED DOWN AT 23-8-4, AND 1432.7 lbs FACTORED DOWN AT 25-1-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.



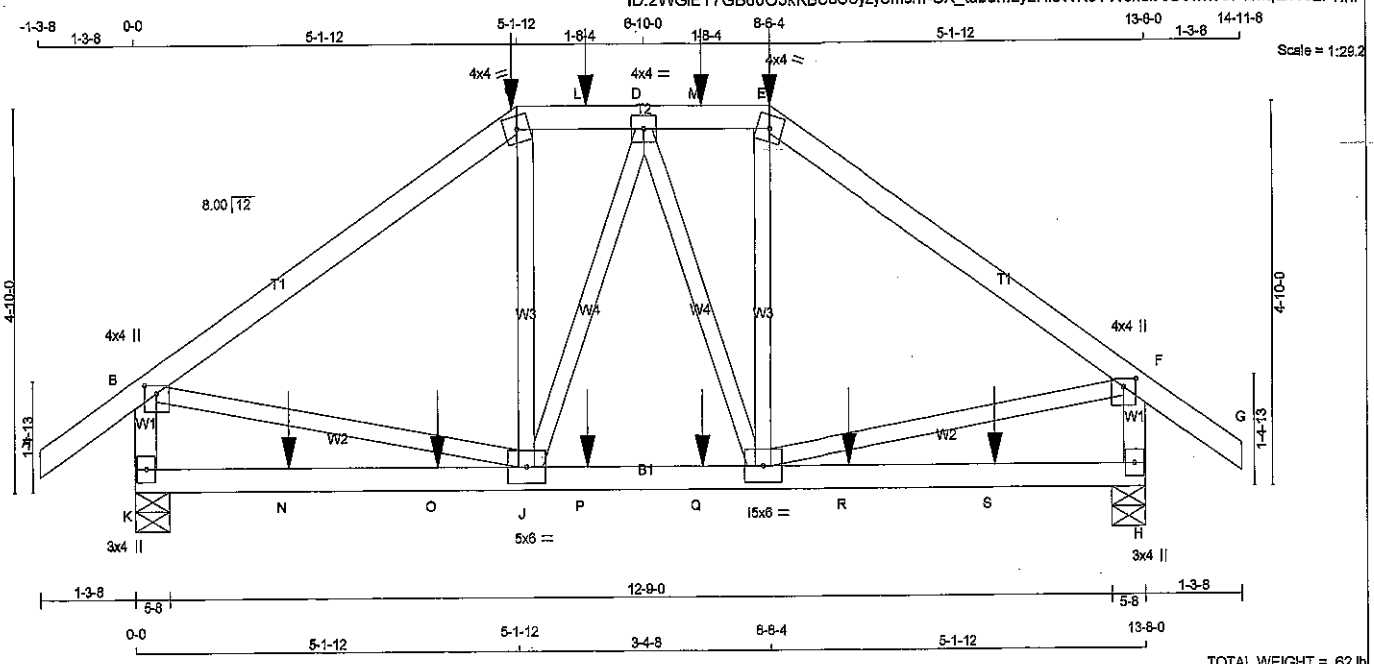
DWG NO. TAM 46137-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286076	T293	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Jan 6 2018 MiTek Industries, Inc. Tue Apr 17 15:25:24 2018 Page 1

ID:2WGIEY7GB80O3kKB0cC5yzyemsm-OX_tab8mLy2HieWKoVWckdrXlG0wk687VmqEW9zPnhP



TOTAL WEIGHT = 62 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
K - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
C	TTW-m	MT20	4.0	4.0		
D	TMWW-t	MT20	4.0	4.0		
E	TTW-m	MT20	4.0	4.0		
F	TMVW+p	MT20	4.0	4.0	1.25	2.00
H	BMV1+p	MT20	3.0	4.0		
I	BMWWW-t	MT20	5.0	6.0		
J	BMWWW-t	MT20	5.0	6.0		
K	BMV1+p	MT20	3.0	4.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 125.3 lbs FACTORED DOWN AT 5-1-12, 125.3 lbs FACTORED DOWN AT 8-6-4, AND 13.1 lbs FACTORED DOWN AT 6-0-12, AND 13.0 lbs FACTORED DOWN AT 7-7-4 ON TOP CHORD, AND 16.4 lbs FACTORED DOWN AT 2-0-12, 16.4 lbs FACTORED DOWN AT 4-0-12, 16.4 lbs FACTORED DOWN AT 6-0-12, 16.4 lbs FACTORED DOWN AT 7-7-4, AND 16.4 lbs FACTORED DOWN AT 9-7-4, AND 16.4 lbs FACTORED DOWN AT 11-7-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
K	1049	0	1049	0	0	5-8	5-8
H	1049	0	1049	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	837	504 / 0	165 / 0	0 / 0	0 / 0	169 / 0	0 / 0
H	837	504 / 0	165 / 0	0 / 0	0 / 0	169 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) K, H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.80 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A-B	0 / 32	-84.3	-84.3	0.12 (1)	10.00	J-C	0 / 191	0.05 (3)
B-C	-892 / 0	-84.3	-84.3	0.46 (1)	5.80	J-D	-89 / 0	0.04 (1)
C-L	-744 / 0	-84.3	-84.3	0.04 (1)	6.25	D-I	-90 / 0	0.04 (1)
L-D	-744 / 0	-84.3	-84.3	0.04 (1)	6.25	I-E	0 / 191	0.05 (3)
D-M	-744 / 0	-84.3	-84.3	0.04 (1)	6.25	B-J	0 / 756	0.19 (1)
M-E	-744 / 0	-84.3	-84.3	0.04 (1)	6.25	I-F	0 / 756	0.19 (1)
E-F	-891 / 0	-84.3	-84.3	0.46 (1)	5.80			
F-G	0 / 32	-84.3	-84.3	0.12 (1)	10.00			
K-B	-979 / 0	0.0	0.0	0.11 (1)	7.81			
H-F	-979 / 0	0.0	0.0	0.11 (1)	7.81			
K-N	0 / 0	-28.0	-28.0	0.22 (2)	10.00			
N-O	0 / 0	-28.0	-28.0	0.22 (2)	10.00			
O-J	0 / 0	-28.0	-28.0	0.22 (2)	10.00			
J-P	0 / 772	-28.0	-28.0	0.28 (2)	10.00			
P-Q	0 / 772	-28.0	-28.0	0.28 (2)	10.00			
Q-I	0 / 772	-28.0	-28.0	0.28 (2)	10.00			
I-R	0 / 0	-28.0	-28.0	0.22 (2)	10.00			
R-S	0 / 0	-28.0	-28.0	0.22 (2)	10.00			
S-H	0 / 0	-28.0	-28.0	0.22 (2)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	5-1-12	-11	-13	—	FRONT	VERT	DEAD
C	5-1-12	-114	-114	—	FRONT	VERT	SNOW
E	8-6-4	-11	-13	—	FRONT	VERT	DEAD
E	8-6-4	-114	-114	—	FRONT	VERT	SNOW
L	6-0-12	-13	-13	—	FRONT	VERT	TOTAL
M	7-7-4	-13	-13	—	FRONT	VERT	TOTAL
N	2-0-12	-9	-16	—	FRONT	VERT	TOTAL
O	4-0-12	-9	-16	—	FRONT	VERT	TOTAL
P	6-0-12	-9	-16	—	FRONT	VERT	TOTAL
Q	7-7-4	-9	-16	—	FRONT	VERT	TOTAL
R	9-7-4	-9	-16	—	FRONT	VERT	TOTAL
S	11-7-4	-9	-16	—	FRONT	VERT	TOTAL

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

*** NON STANDARD GIRDER ***
ADDT'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.45")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.46")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.07")

CSI: TC=0.46/1.00 (B-C:1) , BC=0.28/1.00 (I-J:2) , WB=0.19/1.00 (B-J:1) , SSI=0.15/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

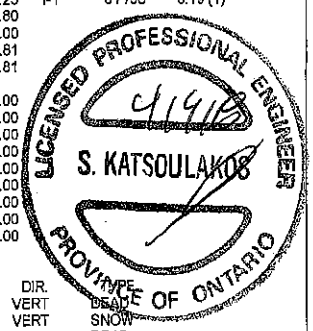
NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	622	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (F) (INPUT = 0.90)
JSI METAL= 0.25 (F) (INPUT = 1.00)



DWG NO. TAM 2116-B

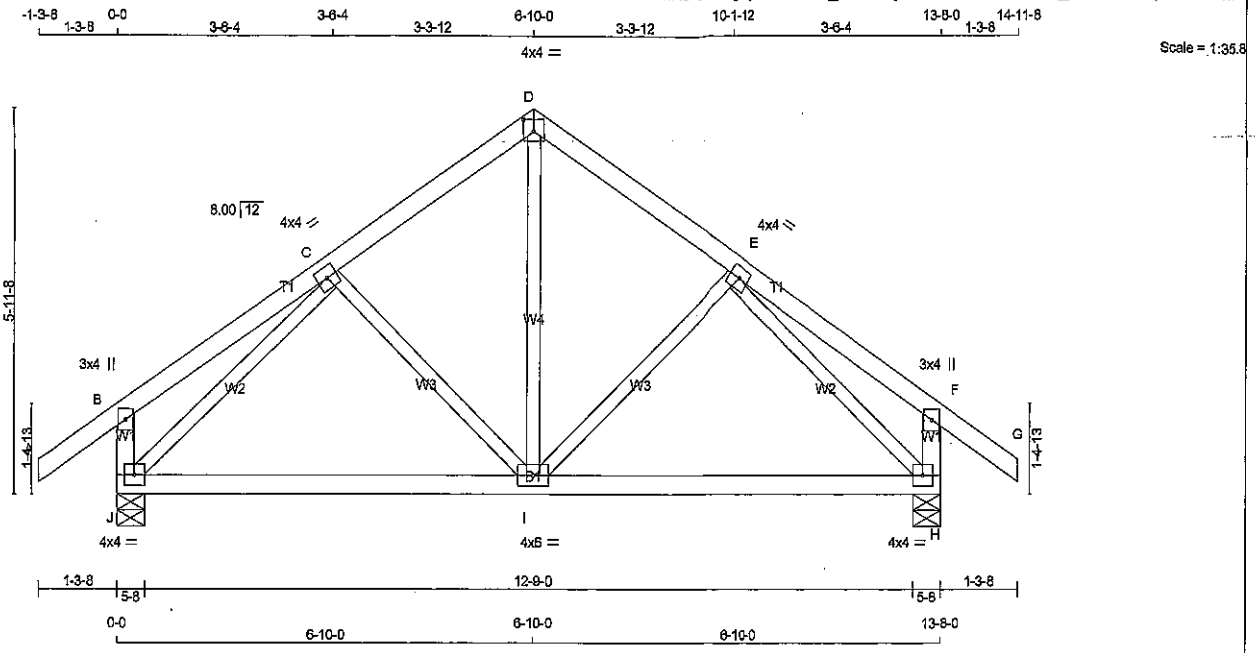
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286076	T294	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Jan 6 2018 MiTek Industries, Inc. Tue Apr 17 15:25:24 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-OX_tab8mLy2HieWKoVWckdrccG_Nk4M7VmqEW9zPnhP



TOTAL WEIGHT = 2 X 59 = 119 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
J - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	4.0		
D	TTW-p	MT20	4.0	4.0	2.25	2.00
E	TMWW-t	MT20	4.0	4.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	4.0	4.0		
I	BMWWW-t	MT20	4.0	6.0		
J	BMVW1-t	MT20	4.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
J	883	0	883	0	0	5-8	5-8
H	883	0	883	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	708	420 / 0	144 / 0	0 / 0	0 / 0	145 / 0	0 / 0
H	708	420 / 0	144 / 0	0 / 0	0 / 0	145 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) J, H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 32	-84.3	-84.3	0.11 (1)	10.00	C- I	-140 / 44	0.05 (1)
B- C	0 / 18	-84.3	-84.3	0.15 (1)	10.00	I- D	0 / 432	0.10 (1)
C- D	-610 / 0	-84.3	-84.3	0.12 (1)	6.25	I- E	-139 / 44	0.05 (1)
D- E	-610 / 0	-84.3	-84.3	0.12 (1)	6.25	J- C	-831 / 0	0.30 (1)
E- F	0 / 18	-84.3	-84.3	0.15 (1)	10.00	E- H	-831 / 0	0.30 (1)
F- G	0 / 32	-84.3	-84.3	0.11 (1)	10.00			
J- B	-227 / 0	0.0	0.0	0.02 (1)	7.81			
H- F	-227 / 0	0.0	0.0	0.02 (1)	7.81			
J- I	0 / 592	-28.0	-28.0	0.44 (2)	10.00			
I- H	0 / 592	-28.0	-28.0	0.44 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.46")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.07")
ALLOWABLE DEFL.(TL)= L/360 (0.46")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.11")

CSI: TC=0.15/1.00 (B-C:1) , BC=0.44/1.00 (I-J:2) , WB=0.30/1.00 (C-J:1) , SSI=0.18/1.00 (I-J:3)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI)		SHEAR (PLI)		SECTION (PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches .

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.73 (D) (INPUT = 0.90)
JSI METAL= 0.29 (C) (INPUT = 1.00)

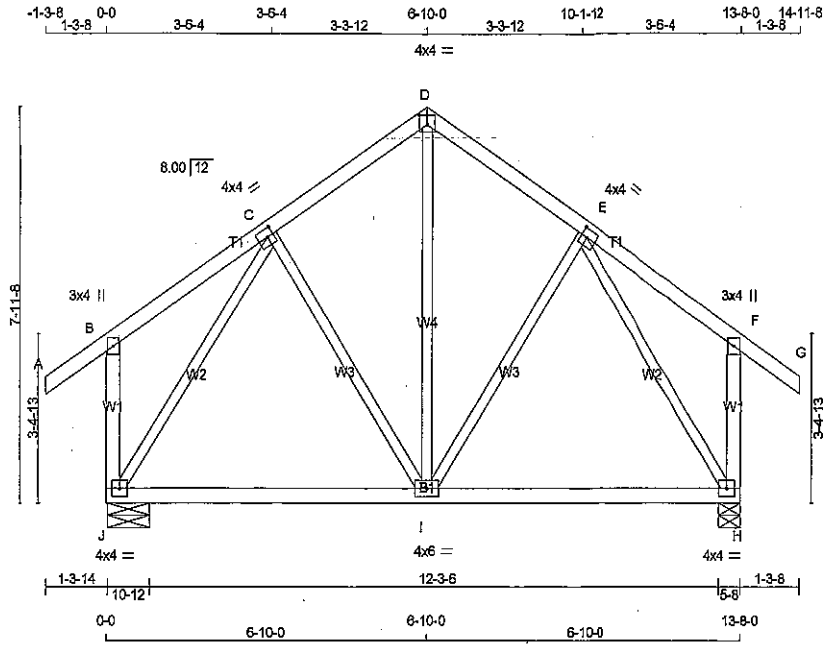
DWG NO. TAM 21162-18
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286076	T295	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Jan 6 2018 MiTek Industries, Inc. Tue Apr 17 15:25:24 2018 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-OX_tab8mLy2HieWKoVWckdrcWG_ik1X7VmqEW9zPnhP



TOTAL WEIGHT = 71 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
J - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTW-p	MT20	4.0	4.0	2.25	2.00
E	TMWW-t	MT20	4.0	4.0	2.00	1.50
F	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	4.0	4.0		
I	BMWWW-t	MT20	4.0	6.0		
J	BMVW1-t	MT20	4.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
J	883	0	883	0	0	10-12	10-12
H	883	0	883	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	708	420 / 0	144 / 0	0 / 0	0 / 0	145 / 0	0 / 0
H	708	420 / 0	144 / 0	0 / 0	0 / 0	145 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) J, H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 32	-84.3	-84.3	0.11 (1)	10.00	C- I	-14 / 95	0.02 (3)	
B- C	0 / 19	-84.3	-84.3	0.16 (1)	10.00	I- D	0 / 294	0.07 (2)	
C- D	-456 / 0	-84.3	-84.3	0.12 (1)	6.25	I- E	-14 / 95	0.02 (3)	
D- E	-456 / 0	-84.3	-84.3	0.12 (1)	6.25	J- C	-693 / 0	0.48 (1)	
E- F	0 / 19	-84.3	-84.3	0.16 (1)	10.00	E- H	-693 / 0	0.48 (1)	
F- G	0 / 32	-84.3	-84.3	0.11 (1)	10.00				
J- B	-225 / 0	0.0	0.0	0.04 (1)	7.81				
H- F	-225 / 0	0.0	0.0	0.04 (1)	7.81				
J- I	0 / 372	-28.0	-28.0	0.42 (2)	10.00				
I- H	0 / 371	-28.0	-28.0	0.42 (2)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.46")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.46")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.11")

CSI: TC=0.16/1.00 (B-C:1) , BC=0.42/1.00 (I-J:2) , WB=0.48/1.00 (C-J:1) , SSI=0.16/1.00 (I-J:3)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.84 (E) (INPUT = 0.90)
JSI METAL= 0.24 (C) (INPUT = 1.00)

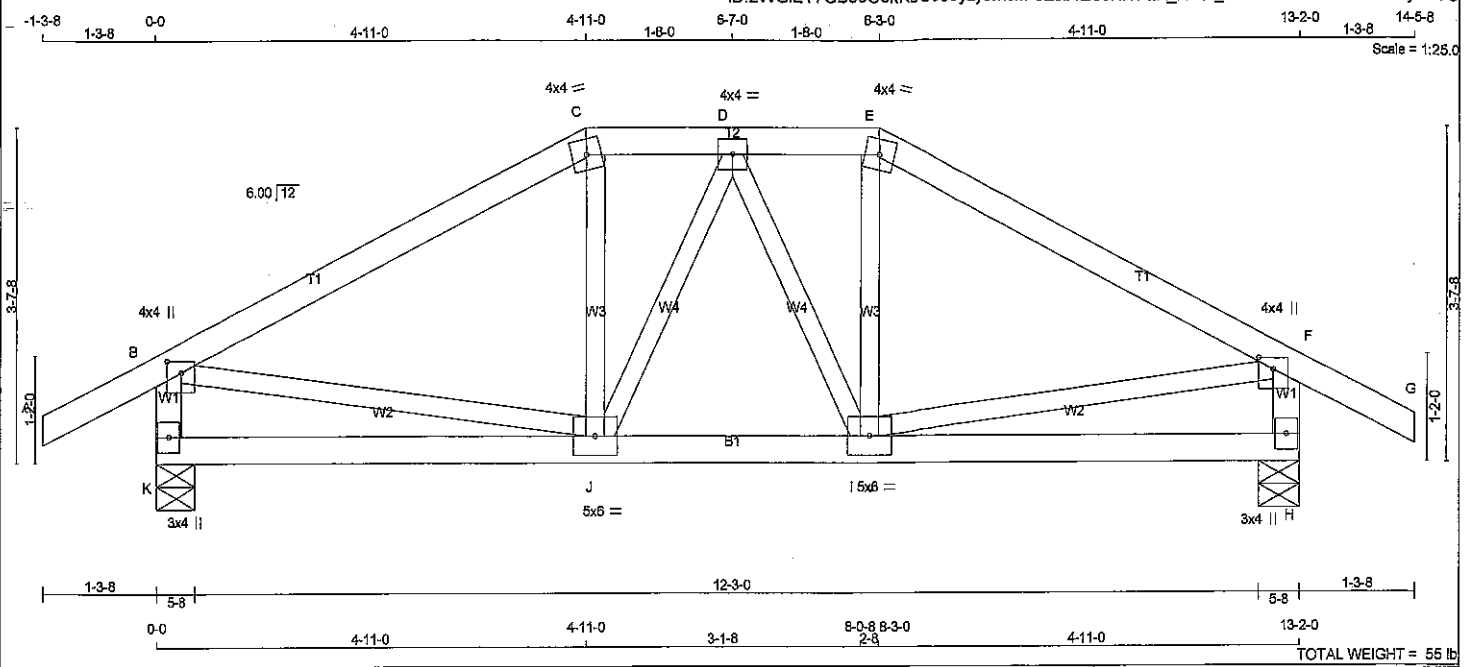
DWG NO. TAM21163-18
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T296	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:47 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-cEJb1ZSJRH?QK_IOQa_t2GCIhHrrV38P7v0HGAyehYU



TOTAL WEIGHT = 55 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
K - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.50	2.00
C	TTW-m	MT20	4.0	4.0		
D	TMWW-t	MT20	4.0	4.0		
E	TTW-m	MT20	4.0	4.0		
F	TMVW+p	MT20	4.0	4.0	1.50	2.00
H	BMV1+p	MT20	3.0	4.0		
I	BMWWW-t	MT20	5.0	8.0		
J	BMWWW-t	MT20	5.0	8.0		
K	BMV1+p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
K	853	0	853	0	0	5-8	5-8
H	853	0	853	0	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	684	406 / 0	138 / 0	0 / 0	0 / 0	140 / 0	0 / 0
H	684	406 / 0	138 / 0	0 / 0	0 / 0	140 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) K, H

BRACING

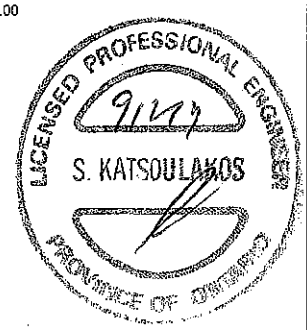
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 26	-84.3	-84.3	0.11 (1)	10.00	J- C	0 / 156	0.04 (3)	
B- C	-785 / 0	-84.3	-84.3	0.27 (1)	6.25	I- E	0 / 156	0.04 (3)	
C- D	-705 / 0	-84.3	-84.3	0.03 (1)	6.25	B- J	0 / 711	0.16 (1)	
D- E	-705 / 0	-84.3	-84.3	0.03 (1)	6.25	I- F	0 / 711	0.16 (1)	
E- F	-785 / 0	-84.3	-84.3	0.27 (1)	6.25	J- D	-85 / 0	0.02 (1)	
F- G	0 / 26	-84.3	-84.3	0.11 (1)	10.00	D- I	-85 / 0	0.02 (1)	
K- B	-792 / 0	0.0	0.0	0.08 (1)	7.81				
H- F	-792 / 0	0.0	0.0	0.08 (1)	7.81				
K- J	0 / 0	-28.0	-28.0	0.16 (2)	10.00				
J- I	0 / 740	-28.0	-28.0	0.22 (2)	10.00				
I- H	0 / 0	-28.0	-28.0	0.16 (2)	10.00				



DWG NO. TAM46641-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	3.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.44")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.44")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.06")

CSI: TC=0.27 (B-C:1) , BC=0.22 (I-J:2) , WB=0.16 (B-J:1) , SSI=0.14 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI)		SHEAR (PLI)		SECTION (PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1667	622	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

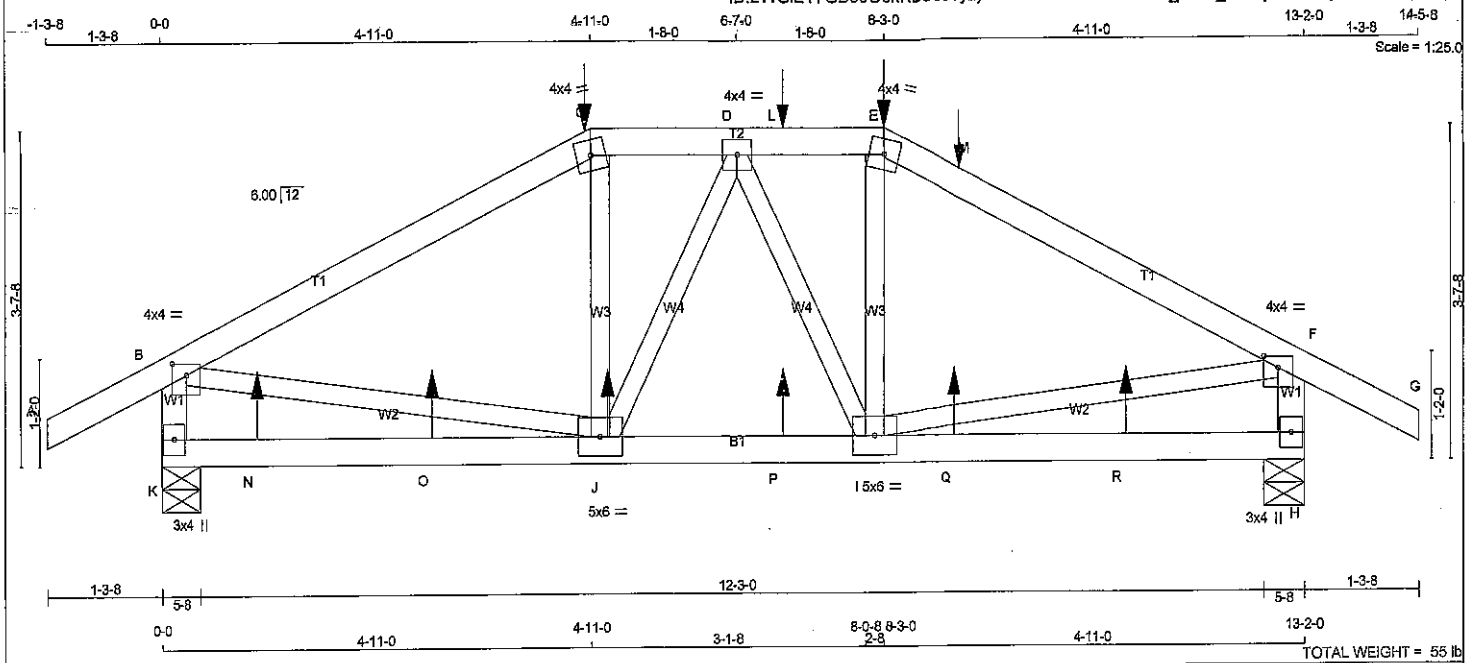
JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL= 0.23 (B) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T296Z	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:47 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-oEJb1ZSJRH?QK_IOQa_t2GCJSHrVV3jP7v0HGAyehYU



TOTAL WEIGHT = 55 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
K - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	4.0	4.0	1.50	2.00
C	TTW-m	MT20	4.0	4.0		
D	TMWW-t	MT20	4.0	4.0		
E	TTW-m	MT20	4.0	4.0		
F	TMVW-p	MT20	4.0	4.0	1.50	2.00
H	BMV1+p	MT20	3.0	4.0		
I	BMWWW-t	MT20	5.0	6.0		
J	BMWWW-t	MT20	5.0	6.0		
K	BMV1+p	MT20	3.0	4.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 47.0 lbs FACTORED DOWN AT 4-11-0, 47.0 lbs FACTORED DOWN AT 8-3-0, 1.4 lbs FACTORED DOWN AND 107.2 lbs FACTORED UP AT 4-11-0, AND 1.4 lbs FACTORED DOWN AND 107.2 lbs FACTORED UP AT 7-1-4, AND 1.4 lbs FACTORED DOWN AND 101.6 lbs FACTORED UP AT 9-1-4 ON TOP CHORD, AND 7.6 lbs FACTORED UP AT 1-1-4, 7.6 lbs FACTORED UP AT 3-1-4, 7.6 lbs FACTORED UP AT 5-1-4, 7.6 lbs FACTORED UP AT 7-1-4, AND 7.6 lbs FACTORED UP AT 9-1-4, AND 7.6 lbs FACTORED UP AT 11-1-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
K	877	0	877	0	0	5-8	5-8
H	880	0	880	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	701	418 / 0	140 / 0	0 / 0	0 / 0	144 / 0	0 / 0
H	704	420 / 0	140 / 0	0 / 0	0 / 0	144 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) K, H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.02 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (7)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 26	-84.3	-84.3	0.12 (1)	10.00		J- C	0 / 155	0.04 (7)
B- C	-836 / 0	-84.3	-84.3	0.41 (1)	6.02		I- E	0 / 155	0.04 (7)
C- D	-750 / 0	-84.3	-84.3	0.04 (5)	6.25		B- J	0 / 758	0.19 (1)
D- L	-750 / 0	-84.3	-84.3	0.04 (1)	6.25		I- F	0 / 758	0.19 (1)
L- E	-750 / 0	-84.3	-84.3	0.04 (1)	6.25		J- D	-86 / 0	0.02 (1)
E- M	-836 / 0	-84.3	-84.3	0.41 (1)	6.02		D- I	-85 / 0	0.02 (1)
M- F	-836 / 0	-84.3	-84.3	0.41 (1)	6.02				
F- G	0 / 26	-84.3	-84.3	0.12 (1)	10.00				
K- B	-823 / 0	0.0	0.0	0.09 (1)	7.81				
H- F	-823 / 0	0.0	0.0	0.09 (1)	7.81				
K- N	0 / 0	-28.0	-28.0	0.19 (7)	10.00				
N- O	0 / 0	-28.0	-28.0	0.19 (7)	10.00				
O- J	0 / 0	-28.0	-28.0	0.19 (7)	10.00				
J- P	0 / 785	-28.0	-28.0	0.24 (2)	10.00				
P- I	0 / 785	-28.0	-28.0	0.24 (2)	10.00				
I- Q	0 / 0	-28.0	-28.0	0.19 (7)	10.00				
Q- R	0 / 0	-28.0	-28.0	0.19 (7)	10.00				
R- H	0 / 0	-28.0	-28.0	0.19 (7)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR	TYPE
C	4-11-0	-5	-6	—	FRONT	VERT	DEAD
C	4-11-0	-0	-1	107	BACK	VERT	TOTAL
C	4-11-0	-42	-42	—	FRONT	VERT	SNOW
E	8-3-0	-5	-6	—	FRONT	VERT	DEAD
E	8-3-0	-42	-42	—	FRONT	VERT	SNOW
J	5-1-4	8	—	8	BACK	VERT	TOTAL
L	7-1-4	-0	-1	107	BACK	VERT	TOTAL
M	9-1-4	-0	-1	102	BACK	VERT	TOTAL
N	1-1-4	8	—	8	BACK	VERT	TOTAL
O	3-1-4	8	—	8	BACK	VERT	TOTAL
P	7-1-4	8	—	8	BACK	VERT	TOTAL
Q	9-1-4	8	—	8	BACK	VERT	TOTAL
R	11-1-4	8	—	8	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
9/11
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. T296Z 9/11/17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:

TOP CH.	LL	=	25.8	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

*** NON STANDARD GIRDER ***
ADDT'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.44")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.44")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.06")

CSI: TC=0.41 (E-F:1) , BC=0.24 (I-J:2) , WB=0.19 (F-I:1) , SSI=0.16 (E-F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

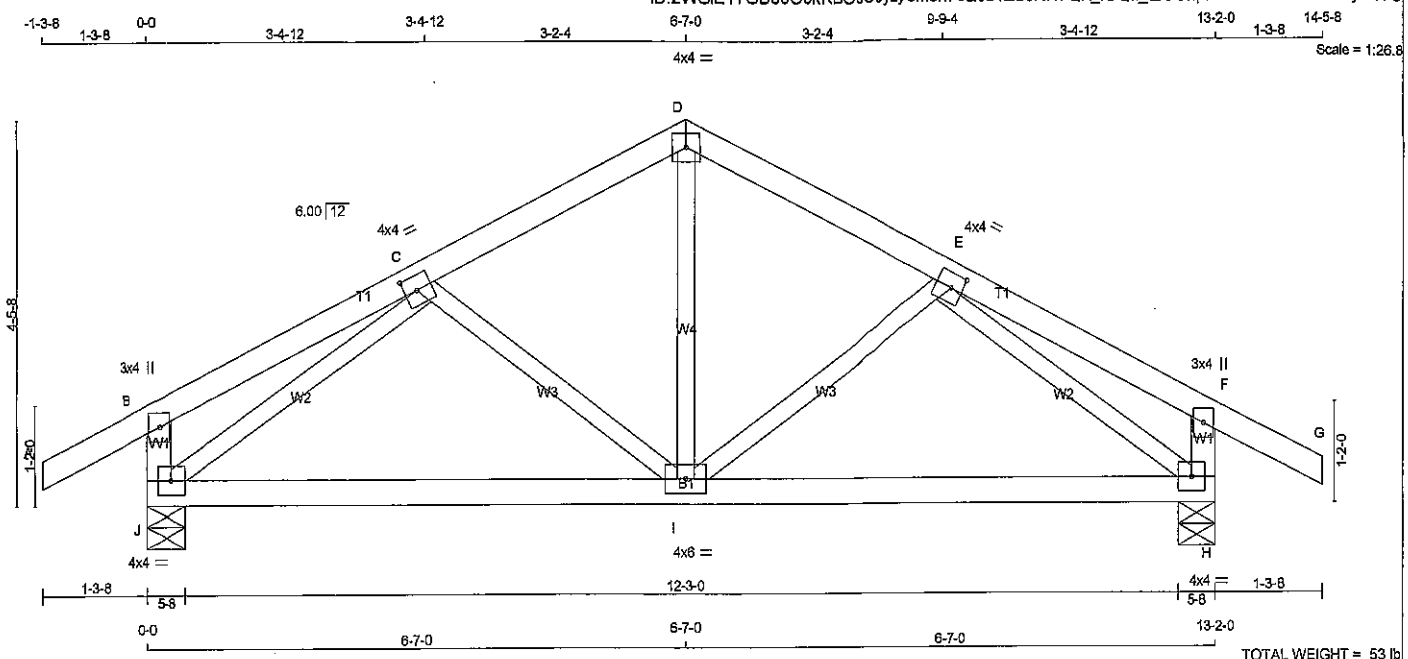
JSI GRIP= 0.79 (B) (INPUT = 0.90)
JSI METAL= 0.29 (B) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T297	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:47 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-oEJb1ZSJRH?QK_IOQa_t2GCnpHoWV1ZP7v0HGAyehYU



TOTAL WEIGHT = 53 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
J - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	4.0	2.00	1.75
D	TTW-p	MT20	4.0	4.0		
E	TMWW-t	MT20	4.0	4.0	2.00	1.75
F	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	4.0	4.0		
I	BMWWW-t	MT20	4.0	6.0		
J	BMVW1-t	MT20	4.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
J	853	0	853	0	0	5-8	5-8
H	853	0	853	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	684	408 / 0	138 / 0	0 / 0	0 / 0	140 / 0	0 / 0
H	684	408 / 0	138 / 0	0 / 0	0 / 0	140 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) J, H

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 26	-84.3	-84.3	0.11 (1)	10.00		I- D	0 / 403	0.09 (1)
B- C	0 / 13	-84.3	-84.3	0.13 (1)	10.00		I- E	-145 / 55	0.04 (1)
C- D	-707 / 0	-84.3	-84.3	0.11 (1)	6.25		C- I	-145 / 55	0.04 (1)
D- E	-707 / 0	-84.3	-84.3	0.11 (1)	6.25		J- C	-923 / 0	0.26 (1)
E- F	0 / 13	-84.3	-84.3	0.13 (1)	10.00		E- H	-923 / 0	0.26 (1)
F- G	0 / 26	-84.3	-84.3	0.11 (1)	10.00				
J- B	-224 / 0	0.0	0.0	0.02 (1)	7.81				
H- F	-224 / 0	0.0	0.0	0.02 (1)	7.81				
J- I	0 / 735	-28.0	-28.0	0.43 (2)	10.00				
I- H	0 / 735	-28.0	-28.0	0.43 (2)	10.00				

DWG NO. TAM46143-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.44")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.44")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.10")

CSI: TC=0.13 (B-C:1) , BC=0.43 (I-J:2) , WB=0.26 (C-J:1) , SSI=0.16 (I-J:3)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1658

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

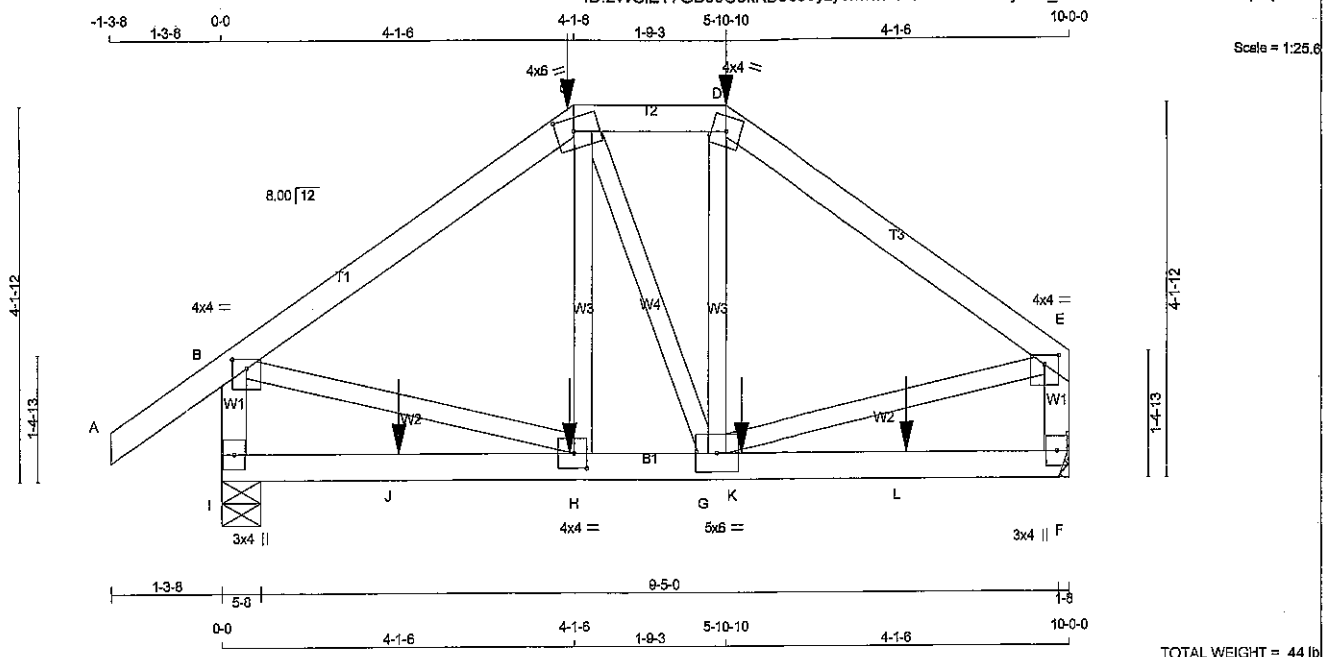
JSI GRIP= 0.82 (H) (INPUT = 0.90)
JSI METAL= 0.32 (E) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. 43954	DRWG NO.
283746	T298	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 MiTek Industries, Inc. Mon Sep 11 14:28:48 2017 Page 1

ID:2WGIEY7GB80O3kKBOcC5yzyemsm-GQtzFuTxCa7Gy7Ka_lV6aTkw0hA3EVbYMYmqocyehYT



TOTAL WEIGHT = 44 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
I - B	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
I - F	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	4.0	4.0	1.25	2.00
C	TTWW-m	MT20	4.0	6.0	1.75	2.50
D	TTW-m	MT20	4.0	4.0		
E	TMVW-p	MT20	4.0	4.0	1.25	2.00
F	BMV1+p	MT20	3.0	4.0		
G	BMWWW-t	MT20	5.0	6.0		
H	BMWW-t	MT20	4.0	4.0	2.00	1.75
I	BMV1+p	MT20	3.0	4.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 256.3 lbs FACTORED DOWN AT 4-1-6, 256.3 lbs FACTORED DOWN AT 5-10-10, AND 107.6 lbs FACTORED DOWN AT 4-1-8, AND 107.1 lbs FACTORED DOWN AT 5-10-10 ON TOP CHORD, AND 71.5 lbs FACTORED DOWN AT 2-0-12, 71.5 lbs FACTORED DOWN AT 4-0-12, AND 71.5 lbs FACTORED DOWN AT 6-0-12, AND 71.5 lbs FACTORED DOWN AT 8-0-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
I	1121	0	1121	0	0	5-8	5-8
F	1008	0	1008	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
I	887	544 / 0	165 / 0	0 / 0	0 / 0	177 / 0	0 / 0
F	812	474 / 0	168 / 0	0 / 0	0 / 0	171 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) I

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.84 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 32	-84.3	-84.3	0.12 (1)	10.00
B- C	-993 / 0	-84.3	-84.3	0.30 (1)	5.85
C- D	-825 / 0	-84.3	-84.3	0.06 (1)	6.25
D- E	-996 / 0	-84.3	-84.3	0.30 (1)	5.84
I- B	-1053 / 0	0.0	0.0	0.12 (1)	7.64
F- E	-937 / 0	0.0	0.0	0.11 (1)	7.81
I- J	0 / 0	-28.0	-28.0	0.20 (2)	10.00
J- H	0 / 0	-28.0	-28.0	0.20 (2)	10.00
H- G	0 / 823	-28.0	-28.0	0.28 (2)	10.00
G- K	0 / 0	-28.0	-28.0	0.21 (2)	10.00
K- L	0 / 0	-28.0	-28.0	0.21 (2)	10.00
L- F	0 / 0	-28.0	-28.0	0.21 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
H- C	-64 / 164	0.04 (3)
G- D	-57 / 181	0.04 (3)
B- H	0 / 851	0.21 (1)
G- E	0 / 854	0.21 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	4-1-6	-24	-27	---	FRONT	VERT	DEAD
C	4-1-6	-108	-108	---	BACK	VERT	TOTAL
C	4-1-6	-233	-233	---	FRONT	VERT	SNOW
D	5-10-10	-24	-27	---	FRONT	VERT	DEAD
D	5-10-10	-107	-107	---	BACK	VERT	TOTAL
D	5-10-10	-233	-233	---	FRONT	VERT	SNOW
H	4-0-12	-41	-71	---	BACK	VERT	TOTAL
J	2-0-12	-41	-71	---	BACK	VERT	TOTAL
K	6-0-12	-41	-71	---	BACK	VERT	TOTAL
L	8-0-12	-41	-71	---	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
9/11/17
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM46144-17
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

*** SPECIAL LOADS ANALYSIS ***
GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.
LOADS WERE DERIVED FROM USER INPUT
NO FURTHER MODIFICATIONS WERE MADE

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	46.1	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12

*** NON STANDARD GIRDER ***
ADDT'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012 , BCBC 2012 , ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.33")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.33")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.04")

CSI: TC=0.30 (D-E:1) , BC=0.28 (G-H:2) , WB=0.21 (E-G:1) , SSI=0.20 (F-G:3)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 1.00

COMPANION LIVE LOAD FACTOR = 0.50

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (B) (INPUT = 0.90)
JSI METAL= 0.31 (H) (INPUT = 1.00)

LUL/LUS/LJS/HUS/HHUS/HGUS

Standard and Double-Shear Joist Hangers

VALUE ENGINEERED

This product is preferable to similar connectors because of a) easier installation, b) higher capacities, c) lower installed cost, or a combination of these features.

Most hangers in this series have double-shear nailing — an innovation that distributes the load through two points on each joist nail for greater strength. This allows for fewer nails, faster installation, and the use of all common nails for the same connection. (Do not bend or remove tabs)

Double-shear hangers range from the light capacity LUS hangers to the highest capacity HGUS hangers. For medium load truss applications, the HUS offers a lower cost alternative and easier installation than the HGUS hangers, while providing greater load capacity and bearing than the LUS.

Material: See table on pp. 258–259.

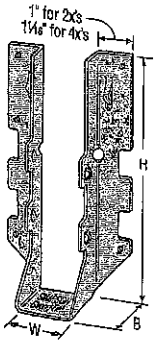
Finish: Galvanized. Some products available in stainless steel or ZMAX® coating; see Corrosion Information, pp. 20–24.

Installation:

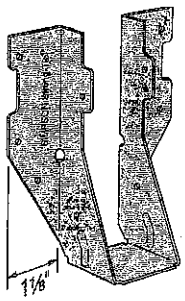
- Use all specified fasteners; see General Notes.
- Nails must be driven at an angle through the joist or truss into the header to achieve the tabulated resistances (except LUL).
- Where 16d commons are specified, 10d commons may be used at 0.83 of the tabulated factored resistance.
- Not designed for welded or nailer applications.
- With single ply 2x carrying members, use 10d x 1½" nails into the header and 10d commons into the joist, and reduce the resistance to 0.64 of the table value where 16d nails are specified and 0.77 where 10d nails are specified.

Options:

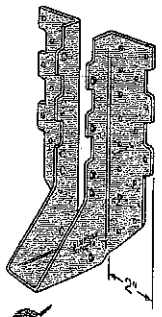
- LUS, LJS, LUL and HUS hangers cannot be modified.
- Other sizes available; consult your Simpson Strong-Tie representative.
- See Hanger Options information on p. 126.



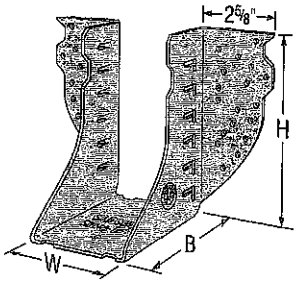
LUS28



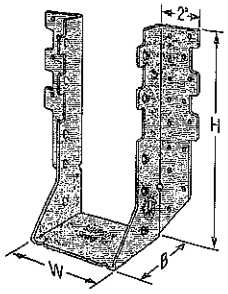
LU26L



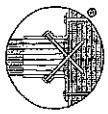
HUS210
(HUS26, HUS28, and HHUS similar)



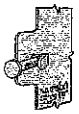
HGUS28-2



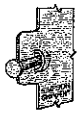
HHUS210-2



Double-Shear Nailing Top View



Double-Shear Nailing Side View; Do not bend tab

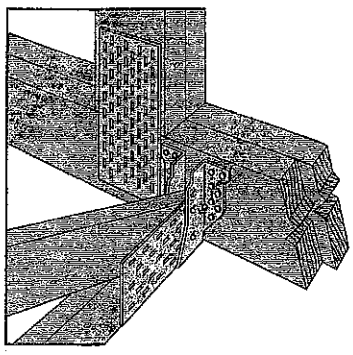


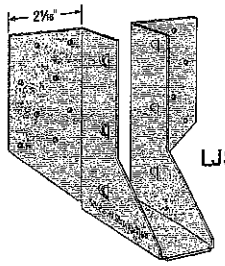
Dome Double-Shear Nailing Side View *(available on some models)*

U.S. Patent 5,603,580

Typical HUS26 Installation with Reduced Heel Height

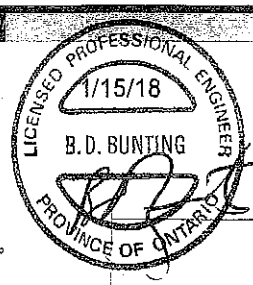
(Truss Designer to provide fastener quantity for connecting multiple members together)





LJS26DS

LUL/LUS/LJS/HUS/HHUS/HGUS



HHUS/HGUS

See Hanger Options information on pp. 125–127.

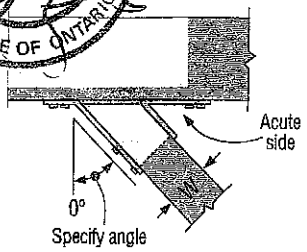
HHUS — Sloped and/or Skewed Seat

- HHUS hangers can be skewed to a maximum of 45° and/or sloped to a maximum of 45°
- For skew only, maximum factored down resistance is 0.85 of the table value
- For sloped only or sloped and skewed hangers, the maximum factored down resistance is 0.72 of the table value
- Uplift resistances for sloped/skewed conditions are 0.62 of the table value
- The joist must be bevel-cut to allow for double-shear nailing

HGUS — Skewed Seat

- HGUS hangers can be skewed only to a maximum of 45°. Factored resistances are:

HGUS Seat Width	Joist	Down Resistance	Uplift
W < 2"	Bevel or square cut	0.62 of table value	0.46 of table value
2" < W < 6"	Bevel cut	0.67 of table value	0.41 of table value
2" < W < 6"	Square cut	0.46 of table value	0.41 of table value
W > 6"	Bevel cut	0.75 of table value	0.41 of table value



Top View HHUS Hanger Skewed Right
(joist must be bevel cut)
All joist nails installed on the outside angle *(non-acute side)*.

Standard and Double-Shear Joist Hangers (cont.)

These products are available with additional corrosion protection. For more information, see p. 24.

These products are approved for installation with the Strong-Drive® SD Connector screw. See pp. 32–34 for more information.

Model No.	Ga.	Dimensions (in.) W	H	B	d_e[3]	Fasteners Header	Joist	Factored Resistance D.Fir-L Uplift (K_D = 1.15) lb. / kN	D.Fir-L Normal (K_D = 1.00) lb. / kN	S-P-F Uplift (K_D = 1.15) lb. / kN	S-P-F Normal (K_D = 1.00) lb. / kN
Single 2x Sizes											
LUS24	18	1⁹⁄₁₆	3⅛	1¾	2¼	(4) 10d	(2) 10d	710 / 3.16	1625 / 7.23	645 / 2.87	1155 / 5.14
LU24L	22	1⁹⁄₁₆	3	1⅝	2¹⁵⁄₁₆	(4) 10d	(2) 10d x 1½"	360 / 1.60	1020 / 4.54	320 / 1.42	725 / 3.22
LU26L	22	1⁹⁄₁₆	5	1⅝	4⅝	(6) 10d	(4) 10d x 1½"	720 / 3.20	1605 / 7.14	645 / 2.87	1140 / 5.07
LUS26	18	1⁹⁄₁₆	4¾	1¾	3¾	(4) 10d	(4) 10d	1420 / 6.32	2170 / 9.65	1290 / 5.74	1630 / 7.25
HUS26	16	1⅝	5⅜	3	3¹⁵⁄₁₆	(14) 16d	(6) 16d	2705 / 11.30	4940 / 21.97	2065 / 9.20	3875 / 17.24
LJS26DS	18	1⁹⁄₁₆	5	3½	4⅝	(16) 16d	(6) 16d	2055 / 9.14	4265 / 18.97	1460 / 6.49	4115 / 18.31
HGUS26	12	1⅝	5⅜	5	4⅛	(20) 16d	(8) 16d	2685 / 11.96	6625 / 29.51	2685 / 11.96	5700 / 25.35
LU28L	20	1⁹⁄₁₆	6¾	1⅝	5⅞	(8) 10d	(6) 10d x 1½"	1140 / 5.07	2185 / 9.72	1020 / 4.54	1550 / 6.89
LUS28	18	1⁹⁄₁₆	6⅝	1¾	3¾	(6) 10d	(4) 10d	1420 / 6.32	2520 / 11.21	1290 / 5.74	1790 / 7.96
HUS28	16	1⅝	7¹⁄₁₆	3	6¹⁄₁₆	(22) 16d	(8) 16d	3605 / 16.04	5365 / 23.86	2675 / 11.90	4345 / 19.33
HGUS28	12	1⅝	7⅛	5	6⅛	(36) 16d	(12) 16d	3310 / 14.74	7675 / 34.19	3310 / 14.74	6900 / 30.73
LU210L	20	1⁹⁄₁₆	8	1⅝	7⅝	(10) 10d	(6) 10d x 1½"	1140 / 5.07	2495 / 11.10	1020 / 4.54	1770 / 7.87
LUS210	18	1⁹⁄₁₆	7¹³⁄₁₆	1¾	3⅞	(8) 10d	(4) 10d	1420 / 6.32	2785 / 12.39	1290 / 5.74	2210 / 9.83

1. Factored uplift resistances have been increased 15% for wind or earthquake loading; no further increase is allowed.
2. Designer must ensure that hanger is compatible with truss when reduced heel height is used.
3. d_e is the distance from the bearing seat to the top joist nail.
4. Resistances shown require a minimum 2-ply girder truss. For fastening to single-ply truss request technical bulletin T-C-N10TRSSCN and/or see installation notes.
5. **Nails:** 16d = 0.162" dia. x 3½" long. See pp. 27–28 for other nail sizes and information.

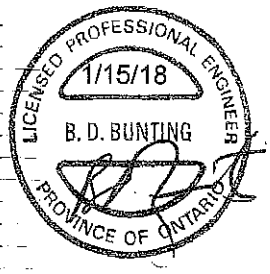
Face-Mount Hangers

SIMPSON Strong-Tie®

These products are available with additional corrosion protection. For more information, see p. 24.

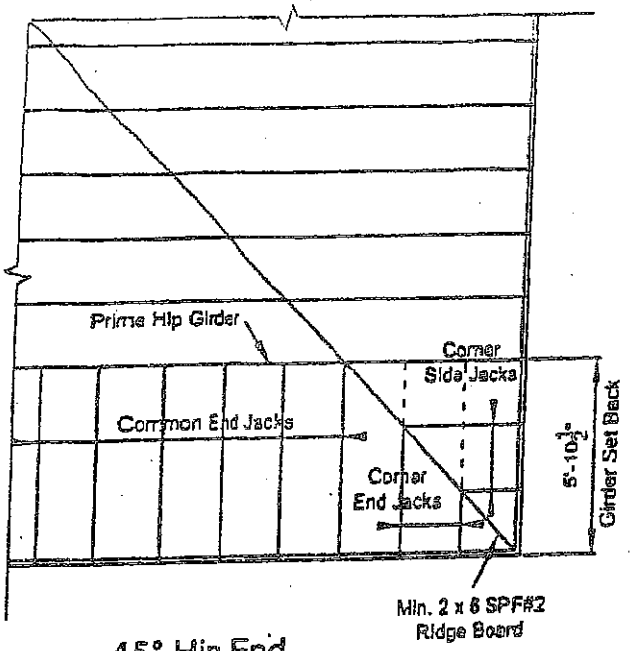
These products are approved for installation with the Strong-Drive® SD Connector screw. See pp. 32–34 for more information.

Model No.	Ga.	Dimensions (in.) W	H	B	d_e[3]	Fasteners Header	Joist	Factored Resistance D.Fir-L Uplift (K_D = 1.15) lb. / kN	D.Fir-L Normal (K_D = 1.00) lb. / kN	S-P-F Uplift (K_D = 1.15) lb. / kN	S-P-F Normal (K_D = 1.00) lb. / kN
Double 2x Sizes											
LUS24-2	18	3⅛	3⅛	2	1½	(4) 16d	(2) 16d	835 3.71	2020 8.99	590 2.62	1435 6.38
LUS26-2	18	3⅛	4⅞	2	4	(4) 16d	(4) 16d	1720 7.65	2595 11.54	1545 6.87	1920 8.54
HHUS26-2	14	3⁵⁄₁₆	5⅜	3	3¹⁵⁄₁₆	(14) 16d	(6) 16d	2850 12.68	7335 32.63	2065 9.20	5205 23.15
HGUS26-2	12	3⁵⁄₁₆	5⁷⁄₁₆	4	4⅛	(20) 16d	(8) 16d	4385 19.51	8950 39.81	3110 13.83	6355 28.27
LUS28-2	18	3⅛	7	2	4	(6) 16d	(4) 16d	1720 7.65	3325 14.79	1545 6.87	2575 11.45
HHUS28-2	14	3⁵⁄₁₆	7⁵⁄₁₆	3	6⅛	(22) 16d	(8) 16d	3765 16.75	8940 39.77	2675 11.90	6345 28.22
HGUS28-2	12	3⁵⁄₁₆	7⅜	4	6⅛	(36) 16d	(12) 16d	6070 27.00	12980 57.74	4310 19.17	9215 40.99
LUS210-2	18	3⅛	9	2	6	(8) 16d	(6) 16d	2580 11.48	4500 20.02	2320 10.32	3195 14.21
HHUS210-2	14	3⁵⁄₁₆	9³⁄₁₆	3	8	(30) 16d	(10) 16d	4670 20.77	9660 42.97	4235 18.84	7000 31.14
HGUS210-2	12	3⁵⁄₁₆	9³⁄₁₆	4	8⅛	(46) 16d	(16) 16d	6840 30.43	14015 62.34	4855 21.60	10270 45.69
Triple 2x Sizes											
HGUS26-3	12	4¹⁵⁄₁₆	5½	4	4⅛	(20) 16d	(8) 16d	4385 19.51	8950 39.81	3110 13.83	6355 28.27
HGUS28-3	12	4¹⁵⁄₁₆	7¼	4	6⅛	(36) 16d	(12) 16d	6070 27.00	12980 57.74	4310 19.17	9215 40.99
HHUS210-3	14	4¹³⁄₁₆	9	3	7¹⁵⁄₁₆	(30) 16d	(10) 16d	4670 20.77	9670 43.02	4235 18.84	6865 30.54
HGUS210-3	12	4¹⁵⁄₁₆	9¼	4	8⅛	(46) 16d	(16) 16d	6840 30.43	14645 65.14	4855 21.60	10400 46.26
Quadruple 2x Sizes											
HGUS26-4	12	6⁹⁄₁₆	5⅞	4	4⅛	(20) 16d	(8) 16d	4385 19.51	8950 39.81	3110 13.83	6355 28.27
HGUS28-4	12	6⁹⁄₁₆	7⅜	4	6⅛	(36) 16d	(12) 16d	6070 27.00	12980 57.74	4310 19.17	9215 40.99
HHUS210-4	14	6⅛	8⅞	3	7¹⁵⁄₁₆	(30) 16d	(10) 16d	4670 20.77	10155 45.17	4235 18.84	7210 32.07
HGUS210-4	12	6⁹⁄₁₆	9³⁄₁₆	4	8⅛	(46) 16d	(16) 16d	6840 30.43	14645 65.14	4855 21.60	10400 46.26
HGUS212-4	12	6⁹⁄₁₆	10⅝	4	10⅛	(56) 16d	(20) 16d	7640 33.98	14995 66.70	5425 24.13	10645 47.35
HGUS214-4	12	6⁹⁄₁₆	12⅝	4	11⅛	(66) 16d	(22) 16d	10130 45.06	16400 72.95	7195 32.00	11645 51.80
4x Sizes											
LUS46	18	3⁹⁄₁₆	4¾	2	3⅞	(4) 16d	(4) 16d	1720 7.65	2595 11.54	1545 6.87	1920 8.54
HHUS46	14	3⅝	5¼	3	3¹⁵⁄₁₆	(14) 16d	(6) 16d	2540 11.30	7335 32.63	2065 9.20	5205 23.15
HGUS46	12	3⅝	5¼	4	4¹⁄₁₆	(20) 16d	(8) 16d	4385 19.51	8950 39.81	3110 13.83	6355 28.27
LUS48	18	3⁹⁄₁₆	6¾	2	3⅞	(6) 16d	(4) 16d	1720 7.65	3325 14.79	1545 6.87	2575 11.45
HHUS48	14	3⅝	7⅛	3	6⅛	(22) 16d	(8) 16d	3765 16.75	8940 39.77	2675 11.90	6345 28.22
HGUS48	12	3⅝	7⅛	4	6¹⁄₁₆	(36) 16d	(12) 16d	6070 27.00	12980 57.74	4310 19.17	9215 40.99
LUS410	18	3⁹⁄₁₆	8¾	2	5⁹⁄₁₆	(8) 16d	(6) 16d	2580 11.48	4500 20.02	2320 10.32	3195 14.21
HGUS410	12	3⅝	9	4	8¹⁄₁₆	(48) 16d	(16) 16d	6840 30.43	14015 62.34	4855 21.60	10270 45.69
HGUS412	12	3⅝	10⅞	4	10¹⁄₁₆	(56) 16d	(20) 16d	7640 33.98	14995 66.70	5425 24.13	10645 47.35
HGUS414	12	3⅝	12⅞	4	11¹⁄₁₆	(66) 16d	(22) 16d	10130 45.06	16400 72.95	7195 32.00	11645 51.80



See footnotes on p. 258.

MICRO CITY
ENGINEERING SERVICES INC. TEL: (519) 287 - 2242



45° Hip End

LUMBER SPECIFICATION

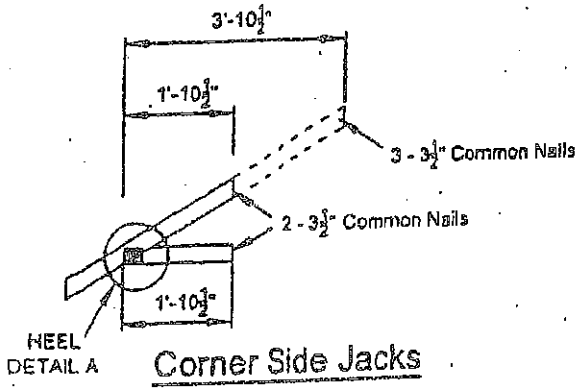
TOP CHORD : 2 x 4 SPF#2
BOTTOM CHORD : 2 x 4 SPF#2
WEBS : 2 x 3 SPF#2
UNLESS OTHERWISE SHOWN

DESIGN LOAD:

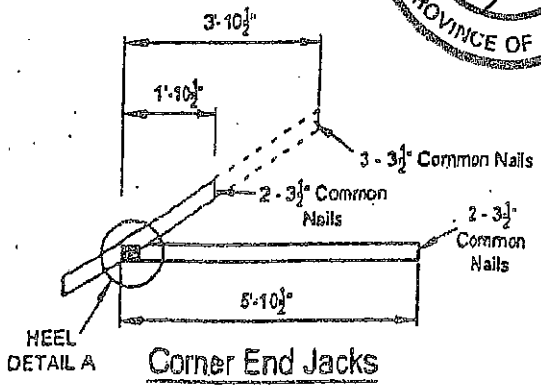
TOP CHORD LIVE LOAD	:	34.8 P.S.F.
TOP CHORD DEAD LOAD	:	3.0 P.S.F.
BOTTOM CHORD LIVE LOAD	:	0.0 P.S.F.
BOTTOM CHORD DEAD LOAD	:	7.0 P.S.F.
TOTAL LOAD	:	44.8 P.S.F.

DWG NO TAM 3495.14
STRUCTURAL COMPONENT ONLY

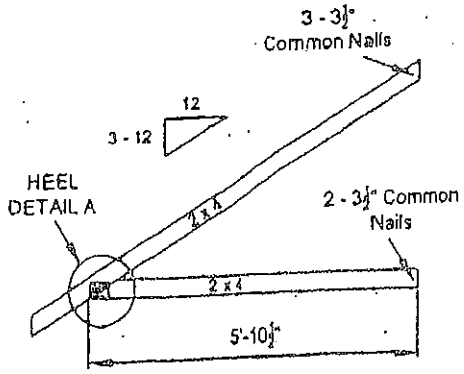
LICENSED PROFESSIONAL ENGINEER
1-2014
S. KATSOULAKOS
PROVINCE OF ONTARIO



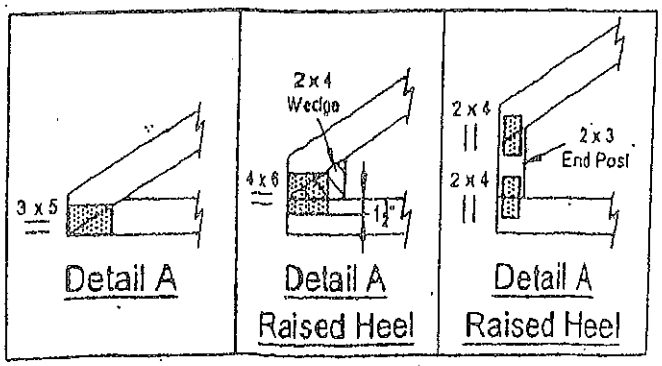
Corner Side Jacks



Corner End Jacks



Common End Jacks



NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (LIMIT STATES DESIGN)
(TO BE INCLUDED AND USED AS PART OF A FULL TRUSS ENGINEERING PACKAGE)

MICRO CITY
ENGINEERING SERVICES INC.

TEL: (519) 287 - 2242

R.R. #1, P.O. BOX 61, GLENCOE, ONTARIO, N0L 1M0

LUMBER SPECIFICATION

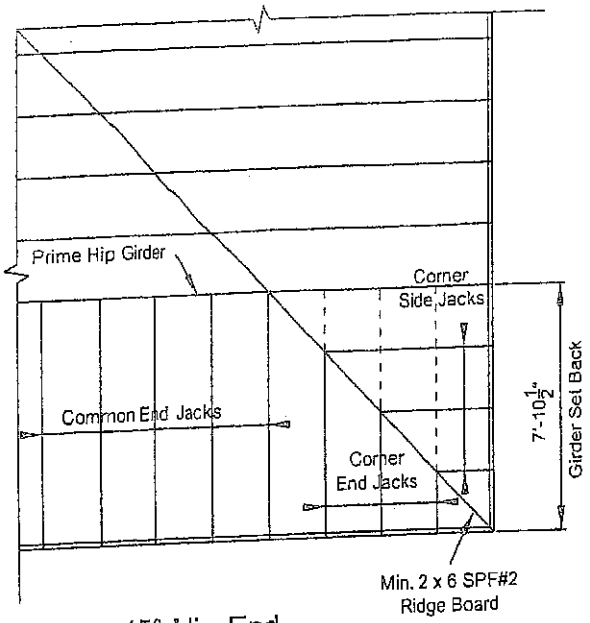
TOP CHORD : 2 x 4 SPF#2
BOTTOM CHORD : 2 x 4 SPF#2
WEBS : 2 x 3 SPF#2
UNLESS OTHERWISE SHOWN

DESIGN LOAD:

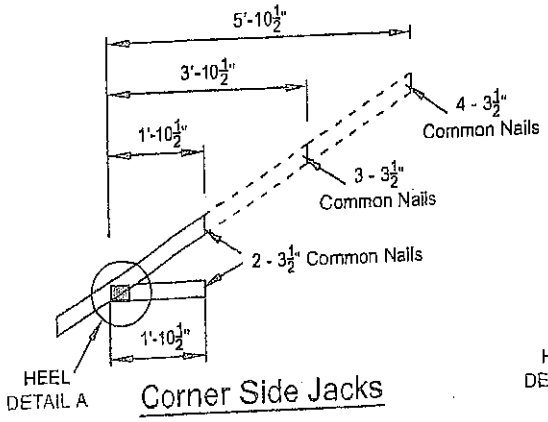
TOP CHORD LIVE LOAD	:	40.5 P.S.F.
TOP CHORD DEAD LOAD	:	3.0 P.S.F.
BOTTOM CHORD LIVE LOAD	:	0.0 P.S.F.
BOTTOM CHORD DEAD LOAD	:	7.0 P.S.F.
TOTAL LOAD	:	50.5 P.S.F.

DWG NO TAM 3504.1
STRUCTURAL
COMPONENT ONLY

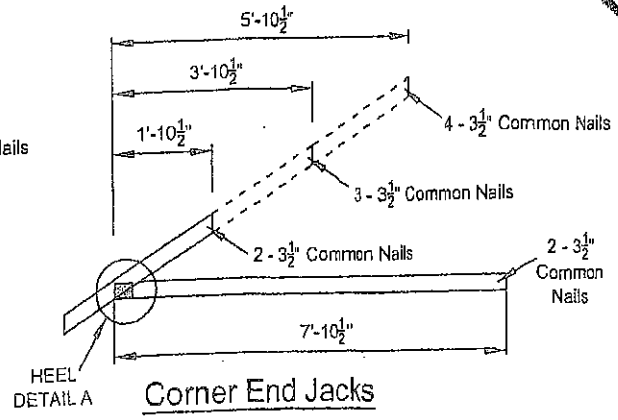
LICENSED PROFESSIONAL ENGINEER
1-2014
S. KATSOULAKOS
PROVINCE OF ONTARIO



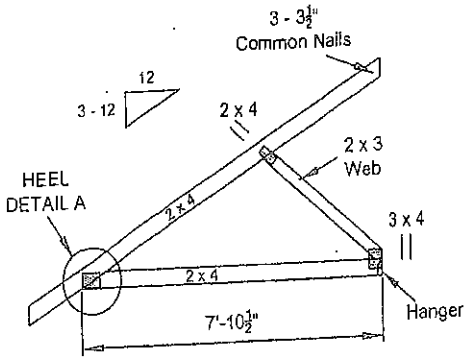
45° Hip End



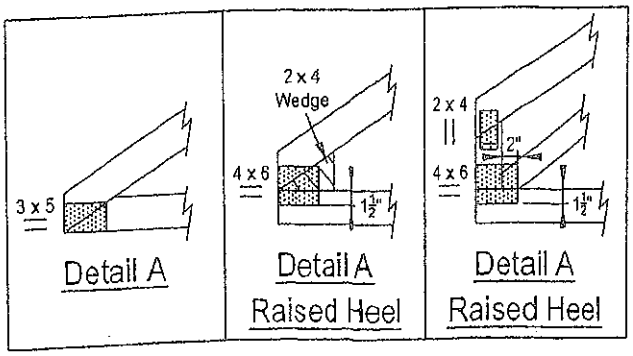
Corner Side Jacks



Corner End Jacks



Common End Jacks



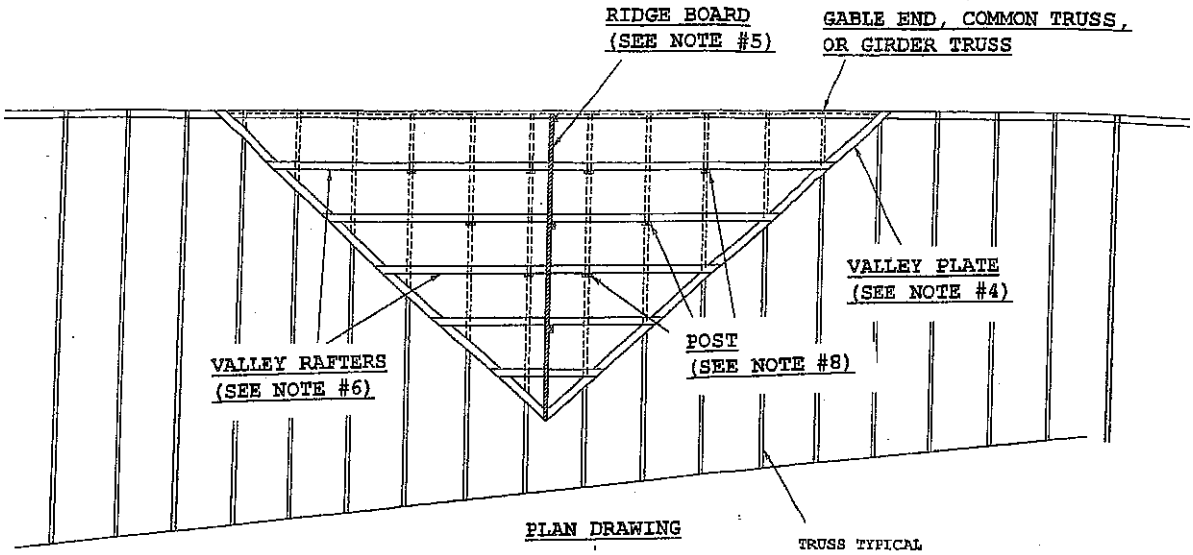
NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (LIMIT STATES DESIGN)
(TO BE INCLUDED AND USED AS PART OF A FULL TRUSS ENGINEERING PACKAGE)

MICRO CITY
ENGINEERING SERVICES INC.

TEL: (519) 287 - 2242

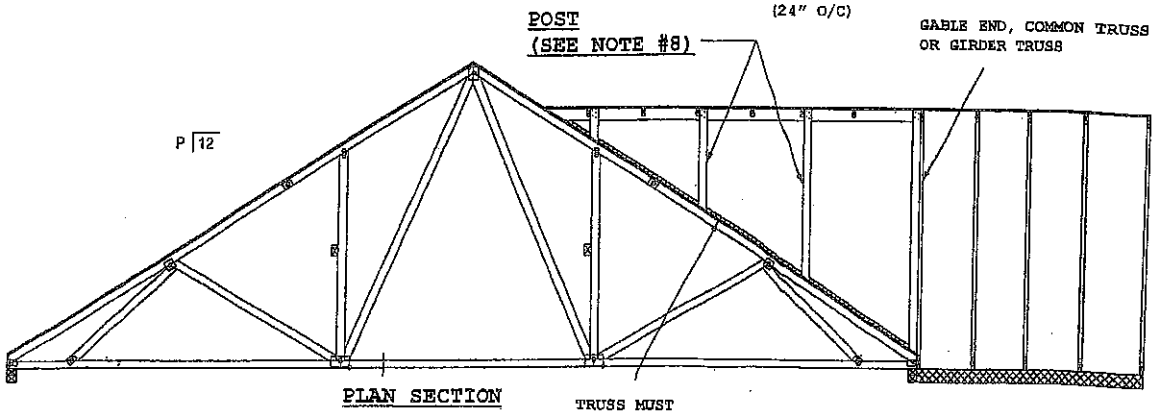
R.R. #1, P.O. BOX 61, GLENCOE, ONTARIO, N0L 1M0

CONVENTIONAL VALLEY FRAMING DETAIL



PLAN DRAWING

TRUSS TYPICAL
(24" O/C)



PLAN SECTION

TRUSS MUST
BE SHEATHED

GENERAL SPECIFICATIONS:

(1) WITH THE BASE TRUSSES ERECTED (INSTALLED), APPLY SHEATHING TOP CHORD OF SUPPORTING (BASE) TRUSSES.
(2) BRACE BOTTOM CHORD AND WEB MEMBERS AS PER PRE-ENGINEERED TRUSS DESIGNS.
(3) DEFINE VALLEY RIDGE BY RUNNING A LEVEL STRING FROM THE INTERSECTING RIDGE OF THE (a) GABLE END, (b) GIRDER TRUSS OR (c) COMMON TRUSS TO THE ROOF SHEATHING.
(4) INSTALL 2 X 6 VALLEY PLATES ON FLAT. FASTEN TO EACH SUPPORTING TRUSS WITH (2) 16d (3.5" X 0.131") NAILS.
(5) SET A 2 X 6 #2 RIDGE BOARD (MAX. 10'-0" RIDGE) OR 2 X 8 #2 SPF RIDGE BOARD (MAX. 20'-0" RIDGE). SUPPORT RIDGE BOARD WITH 2 X 4 POSTS SPACED 48" O/C. BEVEL BOTTOM OF POST TO SET EVENLY ON THE SHEATHING. FASTEN POST TO RIDGE WITH (4) 10d (3" X 0.131") NAILS. FASTEN POST TO ROOF SHEATHING WITH (3) 10d (3" X 0.131") TOE-NAILS.
(6) FRAME VALLEY RAFTERS FROM VALLEY PLATE TO RIDGE BOARD. MAXIMUM RAFTER SPACING IS 24" O/C. FASTEN VALLEY RAFTER TO RIDGE BEAM WITH (3) 16d (3.5" X 0.131") TOE-NAILS. FASTEN VALLEY RAFTER TO VALLEY PLATE WITH (3) 16d (3.5" X 0.131") TOE-NAILS.
(7) SUPPORT THE VALLEY RAFTERS WITH 2 X 4 POSTS AT 48" O/C (OR LESS) ALONG EACH RAFTER. INSTALL POSTS IN A STAGGERED PATTERN AS SHOWN ON PLAN DRAWING. ALIGN POSTS WITH TRUSSES BELOW. FASTEN VALLEY RAFTER TO POST WITH (4) 10d (3" X 0.131") NAILS. FASTEN POST THROUGH SHEATHING TO SUPPORTING TRUSSES WITH (2) 16d (3.5" X 0.131") NAILS.
(8) POSTS SHALL BE 2 X 4 #2 SPF OR BETTER. POSTS EXCEEDING 75" IN HEIGHT SHALL BE INCREASED TO 4 X 4 #2 SPF, OR BETTER, OR BE PRE-ASSEMBLED TWO (2) PLY 2 X 4 #2 SPF OR BETTER FASTENED TOGETHER WITH 2 ROWS OF 10d (3" X 0.131") NAILS AT 6" O/C.
(9) MAINTAIN A MINIMUM 3/4" LUMBER EDGE DISTANCE WHEN NAILING. NAIL SPACING SHOULD APPROXIMATE A MINIMUM 1-3/4" O/C OR MORE UNLESS NOTED OTHERWISE. ALL CONSTRUCTION TO CONFORM TO ONTARIO BUILDING CODE (CURRENT ADDITION) AT ALL TIMES.

NOTES:

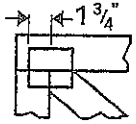
(10) 48" O/C (MAXIMUM POST SPACING.
(11) ROOF LIVE LOAD = 34.8 PSF (MAX.)
(12) ROOF DEAD LOAD = 10.0 PSF (MAX.)
(13) PART 9 APPLICATION ONLY (ONTARIO BUILDING CODE)
(14) PART 4 APPLICATION ONLY (ONTARIO BUILDING CODE) WITH APPROVED REVIEW BY LICENSED PROFESSIONAL ENGINEER.
(15) BASE TRUSS SPACING (24" O/C MAX.)
(16) ALL PRE-ENGINEERED BASE TRUSS COMPONENTS TO BE SEALED BY LICENSED PROFESSIONAL ENGINEER AND THIS DETAIL TO BE VERIFIED AND APPROVED BY SAME WHEN RIDGE BOARD LENGTH EXCEEDS 12'-0".
(17) ALL BASE TRUSSES: P = 4 (4/12) - MINIMUM.
(18) ALL VALLEY RAFTERS: P = 4 (4/12) - MINIMUM.

LICENSED PROFESSIONAL ENGINEER
3-5-14
S. KATSOULAKOS
PROVINCE OF ONTARIO

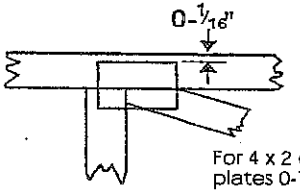
DWG NO TAM6305.14
STRUCTURAL
COMPONENT ONLY

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths or mm. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0-1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

*Plate location details available in MiTek software or upon request.

PLATE SIZE

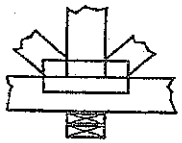
4 X 4

The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION

Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING



Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

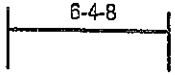
Industry Standards:

TPIC: Truss Design Procedures and Specifications for Light Metal Plate Connected Wood Trusses

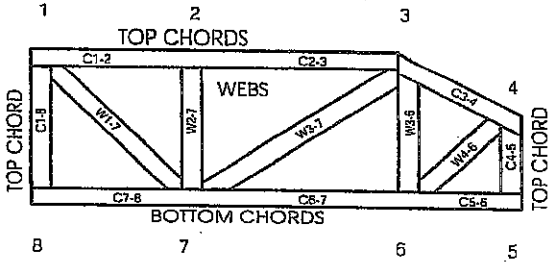
DSB-89: Design Standard for Bracing.

BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



dimensions shown in ft-in-sixteenths or mm (Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

CCMC Reports:

11996-L, 10319-L, 13270-L, 12691-R

MiTek

POWER TO PERFORM.™

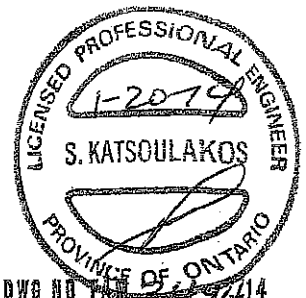
MiTek Engineering Reference Sheet: MII-7473C rev. 10-'08

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by TPIC.
7. Design assumes trusses will be suitably protected from the environment in accord with TPIC.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with TPIC Quality Criteria.

Micro City Engineering Services Inc.
(BCIN: 26064; FIRM BCIN: 29991)
RR #1, Po Box 61
Glencoe, Ontario
N0L 1M0
(519) 287 - 2242; Fax: (519) 287 - 5750 (Call)



DWG NO [illegible] 14
STRUCTURAL
COMPONENT ONLY

Responsibilities:

Micro City Engineering Services is responsible for the design of trusses as individual components.

It is the responsibilities of others to ascertain that the design loads utilized on this (these) drawing(s) meet or exceed the actual dead load imposed by the structure and the live load imposed by the local building code or the authorities having jurisdiction over such decisions.

All dimensions are to be verified by the owner, contractor, architect, or other authority having input over such decisions prior to truss component manufacture. At no time shall Micro City Engineering Services Inc. or its employees be responsible for dimension errors.

Micro City Engineering Services Inc. bears no responsibility for the erection of any truss components. Persons erecting truss components are cautioned to seek professional advice regarding temporary and permanent bracing systems and to be totally familiar with all aspects of truss erection prior to proceeding on any truss component erection job. Any bracing shown on Micro City Engineering Services Inc. or Tamarack Roof Trusses Inc. sealed or unsealed truss component drawings is specified for the single truss component in question and is identified as an integral part of the design for that particular truss component but is not meant to represent the only required bracing for that particular truss component when installed as a component in a series of truss components in a roof truss system.

It is the truss manufacturer's responsibility to ensure that trusses are manufactured in accordance with Micro City Engineering Services Inc. specifications outlined below:

SPECIFICATIONS:

Truss components sealed by Micro City Engineering Services Inc. must conform to the relevant sections of the current Building Code of Ontario and Canada (Part 4 or Part 9) or the current Farm Building Code of Canada in accordance with the application specified on the sealed truss component drawing. All truss component design procedures must conform to the current design standard issued by the Truss Plate Institute of Canada (TPIC). All unit lumber and nailing stresses identified on truss component design drawings and/or used in the design of individual truss components shall conform to the current CSA Wood Design standard identified in the current Building Code and TPIC Design Standards.

The lumber used to manufacture any truss component is to conform to the specified size and grade identified on the truss drawing.

The lumber used in the manufacture of any truss component is not to exceed 19% during its service use unless specifically noted on the truss drawing.

The lumber used in the manufacture of any truss component is not to be treated with any chemicals during its service life unless specifically noted on the truss drawing.

Connector plates shall be applied to both faces of the truss component at each joint and shall be positioned exactly as specified.

The top chord of any truss component is assumed to be continuously laterally braced by the roof sheathing or purlins at intervals specified on the sealed truss component drawing but not exceeding 24" o/c (Part 9 design) and not exceeding 48" o/c (Part 4 or Agricultural design).

When a truss component is to be installed with no rigid ceiling attached directly to the bottom chord, then the bottom chord is to be laterally braced at intervals not exceeding 3m (or 10'-0").

All sealed or unsealed truss component drawings provided by Micro City Engineering Services Inc. Or Tamarack Roof Trusses Inc. should be read in conjunction with the following:

Warning-Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473C rev 10-'08 BEFORE USE. Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for individual building component. Applicability of design parameters and proper incorporation of component is the responsibility of the building designer - not the truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection, and bracing, consult TPIC Appendix G - Minimum Quality Manufacturing Criteria available from www.tpic.ca and BCSI Building Component Safety Information available from the Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA, 22314.