

1079

Job Track: 43954
Layout ID: 281188
Plan Log: 91961

Builder / Location:	GR
Project:	RUS
Date:	8/23/2011

WATERDOWN HOMES / ELL GARDENS PHASE 2

DESIGNER

COLLINS V E

THESE DRAWINGS
OR REDISTRIBUTE
TAMARACK
PURPOSE

Model / Elevation:
ROSEWOOD 1 / 1

THESE DRAWINGS CONSTITUTE THE PROPERTY OF TAMARACK ROOF TRUSSES, INC., SHALL NOT BE REPRODUCED, PUBLISHED OR REDISTRIBUTED IN ANY MANNER OR UTILIZED FOR ANY PURPOSE OTHER THAN THE MANUFACTURE OF TRUSSES BY TAMARACK ROOF TRUSSES, INC. AND WILL BE RETRACTED BY TAMARACK ROOF TRUSSES, INC. IF UTILIZED FOR ANY OTHER PURPOSE.

Miltek ver 7.5.0

Milek ver 7.5.0

T - 170301

ASPHALT SHINGLES
12" FINISHED O.H.
5" CLADDING ALLOWANCE
2x6 EXTERIOR WALLS
2x6 FASCIA BOARD
HEEL: R.T.M.C.

ALL CONV. FRAMING TO CONFORM WITH PART 9 OF O.B.C. 2012 ROOF RAEFTERS THAT CROSS OVER OR MEET TRUSSES TO BE 2X4 SPF #2 O.C. WITH A VERT.POST TO THE TR UNDERNEATH AT EACH CROSS PT VERT. POST LONGER THAN 6' TO HAVE LATERAL BRACING SO THAT THE DIST. BETWEEN END PT. & BETWEEN ROWS OF BRACING DOES NOT EXCEED 6'



**DENOTES:
CONVENTIONAL
FRAMING**

ALL ROOF SLOPES ARE 8/12
UNLESS OTHERWISE NOTED

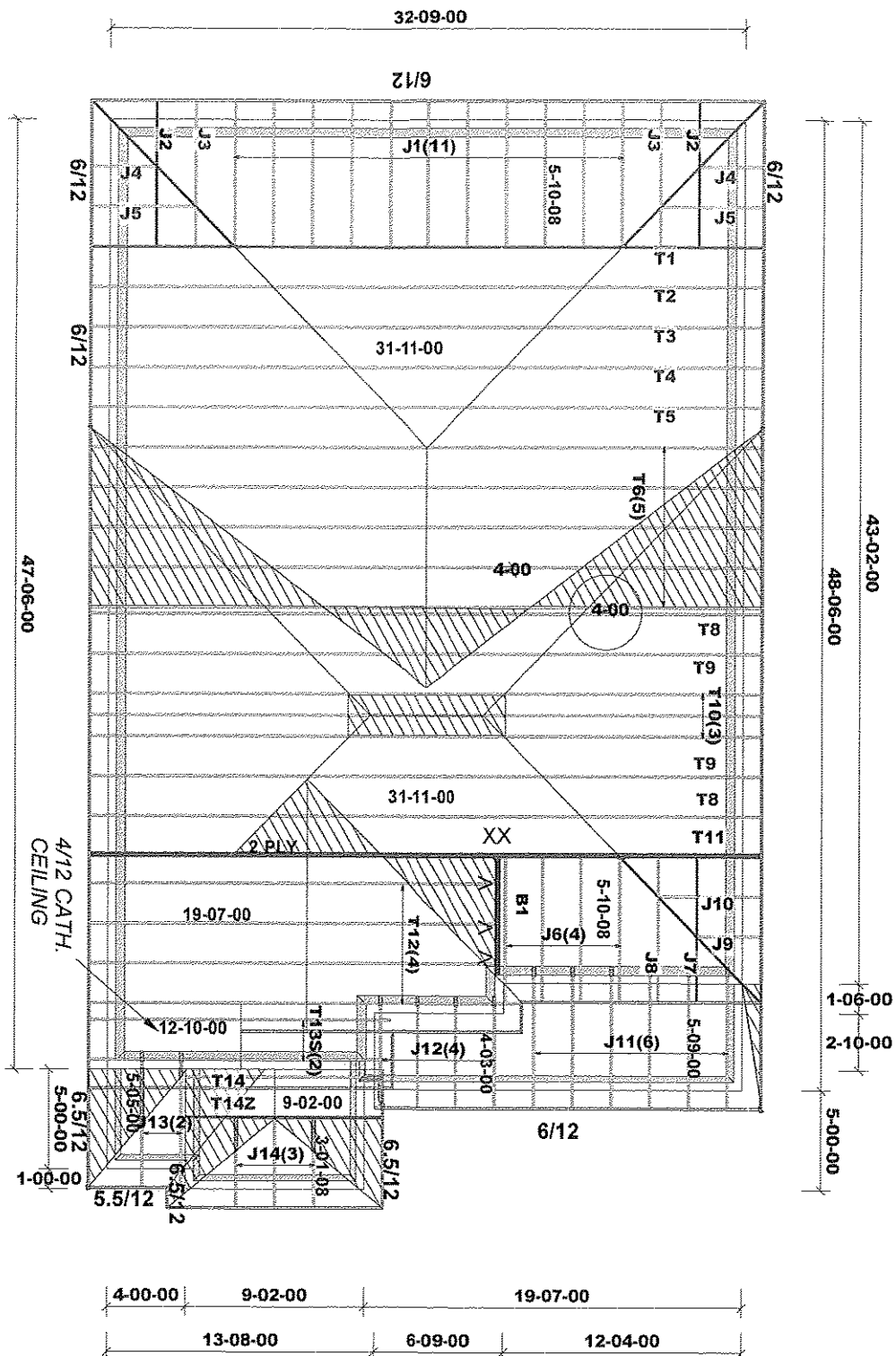
DESIGN CONFORMS WITH OBC 2012
OCCUPANCY: RESIDENTIAL | PART: 9
GROUND SNOW LOAD $S_s=31.3\text{psf}$ $S_t=8.4\text{psf}$
DESIGN LOADS
TCdL (3psf)
BCdL (10.5psf)
BCdL (7psf)
BEAM
ALL B

BEAMS:
ALL BEAMS (B): 2 - 2X10 SPF #2

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HARDWARE:
HGUS26-2 -(XX)
LJS26DS -(V)

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10,0710



Job Track: **43954**
 Layout ID: **281189**
 Plan Log: **91961**

Builder / Location: **GREENPARK HOMES / WATERDOWN**
 Project: **RUSSELL GARDENS PHASE 2**
 Date: **8/23/2017** Designer: **colinhs.v.e**

Model / Elevation: **ROSEWOOD 1 / 2**

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ASPHALT SHINGLES
 12" FINISHED O.H.
 5" CLADDING ALLOWANCE
 2x6 EXTERIOR WALLS
 2x6 FASCIA BOARD
 HEEL: R.T.M.C.

T - 170301

ALL CONV. FRAMING TO CONFORM WITH PART 9 OF O.B.C. 2012 ROOF RAFTERS THAT CROSS OVER OR MEET TRUSSES TO BE 2x4 SPF #2 24" O.C. WITH A VERT. POST TO THE TRUSS UNDERNEATH AT EACH CROSS PT. VERT. POST LONGER THAN 6' TO HAVE LATERAL BRACING SO THAT THE DIST. BETWEEN END PT. & BETWEEN ROWS OF BRACING DOES NOT EXCEED 6'

DESIGN CONFORMS WITH OBC 2012 OCCUPANCY: RESIDENTIAL | PART: 9 GROUND SNOW LOAD Ss=31.3psf Sr=8.4psf DESIGN LOADS
 TCDL (3psf)
 BCLL (10.5psf)
 BCDL (7psf)

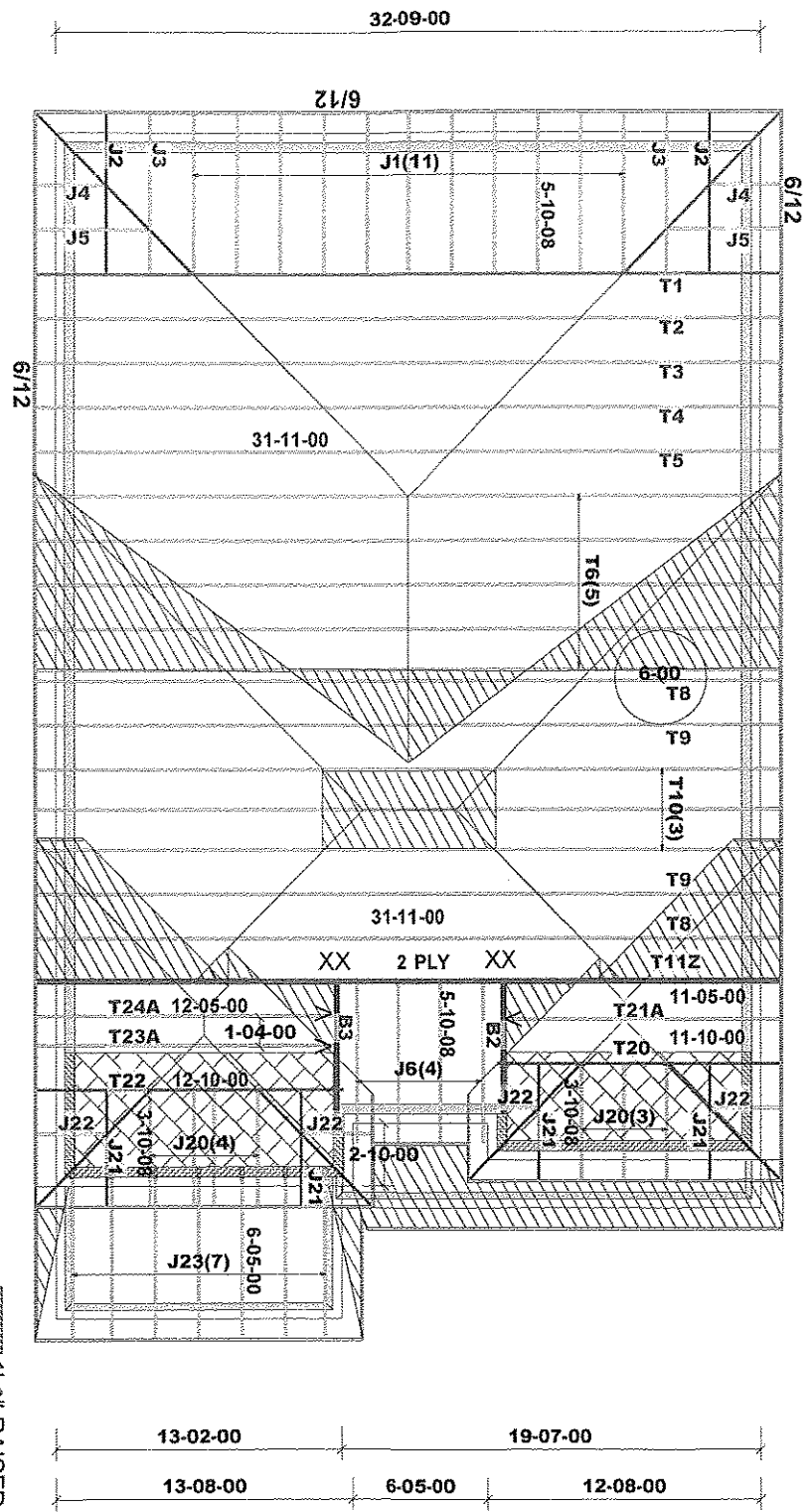
BEAMS:
 ALL BEAMS (B): 2 - 2X10 SPF #2



DENOTES:
 CONVENTIONAL FRAMING

ALL ROOF SLOPES ARE 8/12 UNLESS OTHERWISE NOTED

1' C" RAISED PLATE
 1' C" RAISED CEILING





MO 976

Job Track: 43954
Layout ID: 281190
Plan Log: 91961

Builder / Location: GREENPARK HOMES / WATERDOWN
Project: RUSSELL GARDENS PHASE 2
Date: 8/24/2017 Designer: colin/s v/e

Model / Elevation: ROSEWOOD 1 / 3
THESE DRAWINGS CONSTITUTE THE PROPERTY OF TAMARACK ROOF TRUSSES INC. SHALL NOT BE REPRODUCED, PUBLISHED, OR REDISTRIBUTED IN ANY MANNER OR UTILIZED FOR ANY PURPOSE OTHER THAN THE MANUFACTURE OF TRUSSES BY TAMARACK ROOF TRUSSES INC AND WILL BE RETRACTED BY TAMARACK ROOF TRUSSES INC IF UTILIZED FOR ANY OTHER PURPOSE.
Mike, ver 7.5.0

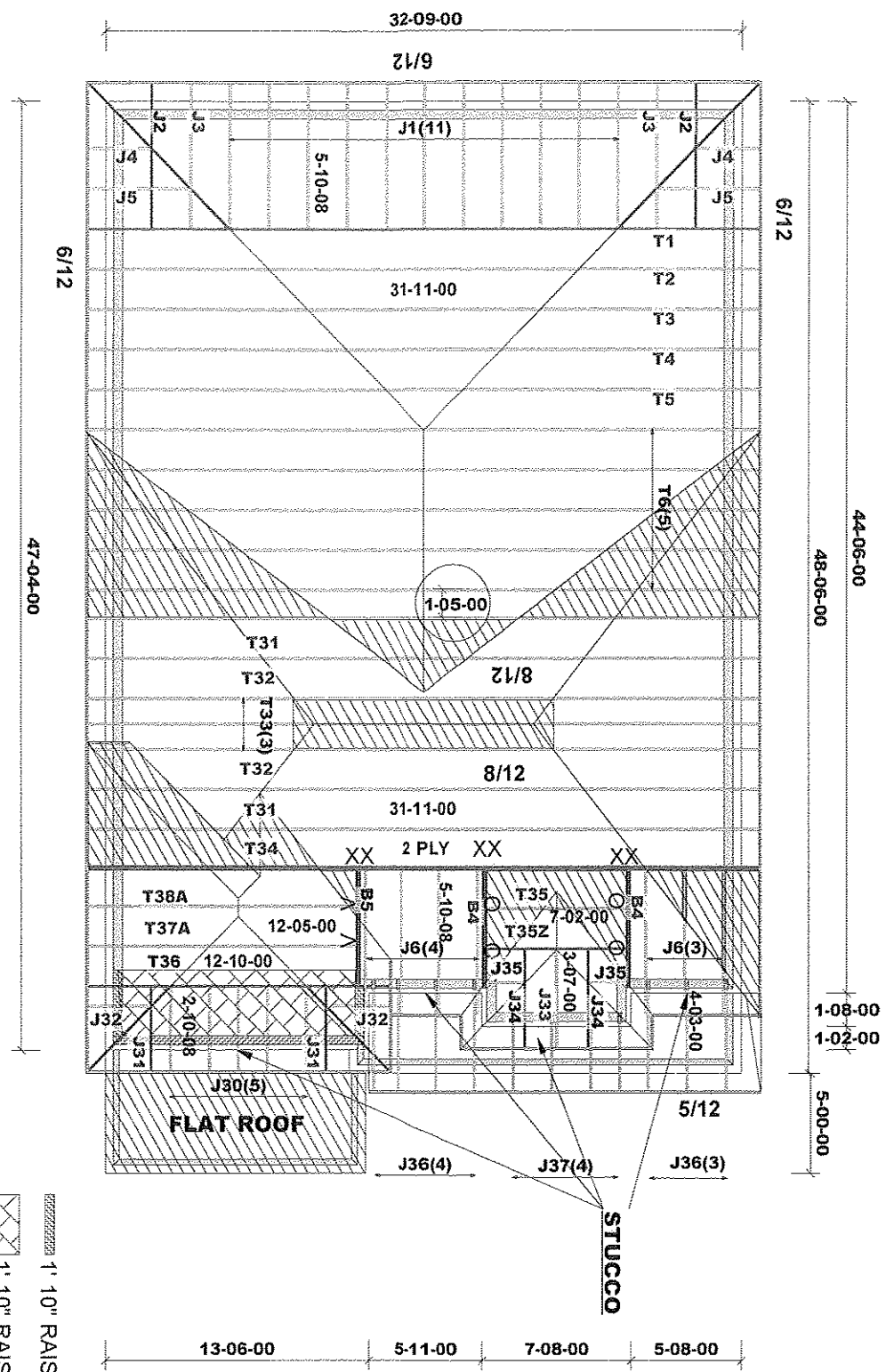
ASPHALT SHINGLES
12" FINISHED O.H.
5" CLADDING ALLOWANCE
2X6 EXTERIOR WALLS
2X6 FASCIA BOARD
HEEL: R.T.M.C.

ALL CONV. FRAMING TO CONFORM WITH PART 9 OF O.B.C. 2012 ROOF RAFTERS THAT CROSS OVER OR MEET TRUSSES TO BE 2X4 SPF #2 24" O.C. WITH A VERT POST TO THE TRUSS UNDERNEATH AT EACH CROSS PT. VERT. POST LONGER THAN 6' TO HAVE LATERAL BRACING SO THAT THE DIST. BETWEEN END PT. & BETWEEN ROWS OF BRACING DOES NOT EXCEED 6'

DESIGN CONFORMS WITH OBC 2012 OCCUPANCY: RESIDENTIAL | PART: 9 GROUND SNOW LOAD Ss=31.3psf S_r=8.4psf DESIGN LOADS
TCDL (3psf)
BCLL (10.5psf)
BCDL (7psf)

HARDWARE:
HGS26-2 -(XX)
LJS26DS -(V)
LUS24 -(O)
BEAMS:
ALL BEAMS (B): 2 - 2X10 SPF #2
ALL ROOF SLOPES ARE 10/12 UNLESS OTHERWISE NOTED

1' 10" RAISED CEILING
1' 10" RAISED PLATE





110,970

Job Track: **43954**
Layout ID: **287180**
Plan Log: **91961**

ASPHALT SHINGLES
12" FINISHED O.H.
5" CLADDING ALLOWANCE
2X6 EXTERIOR WALLS
2X6 FASCIA BOARD
HEEL: R.T.M.C.

T - 170301

Builder / Location:

GREENPARK HOMES / WATERDOWN

Model / Elevation:

ROSEWOOD 1A / 3

Project:

RUSSEL GARDENS PHASE 2

Date:

8/24/2017

Designer: sonny/s.v.e

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Mike ver 7.5.0

ALL CONV. FRAMING TO CONFORM WITH PART 9 OF O.B.C. 2012 ROOF RAFTERS THAT CROSS OVER OR MEET TRUSSES TO BE 2X4 SPF #2 24" O.C. WITH A VERT POST TO THE TRUSS UNDERNEATH AT EACH CROSS PT. VERT. POST LONGER THAN 6' TO HAVE LATERAL BRACING SO THAT THE DIST. BETWEEN END PT. & BETWEEN ROWS OF BRACING DOES NOT EXCEED 6'

DESIGN CONFORMS WITH OBC 2012
OCCUPANCY: RESIDENTIAL | PART: 9
GROUND SNOW LOAD $S_s=31.3$ psf $S_r=8.4$ psf
TCDL (3psf)
BCLL (10.5psf)
BCDL (7psf)

CONVENTIONAL
FRAMING

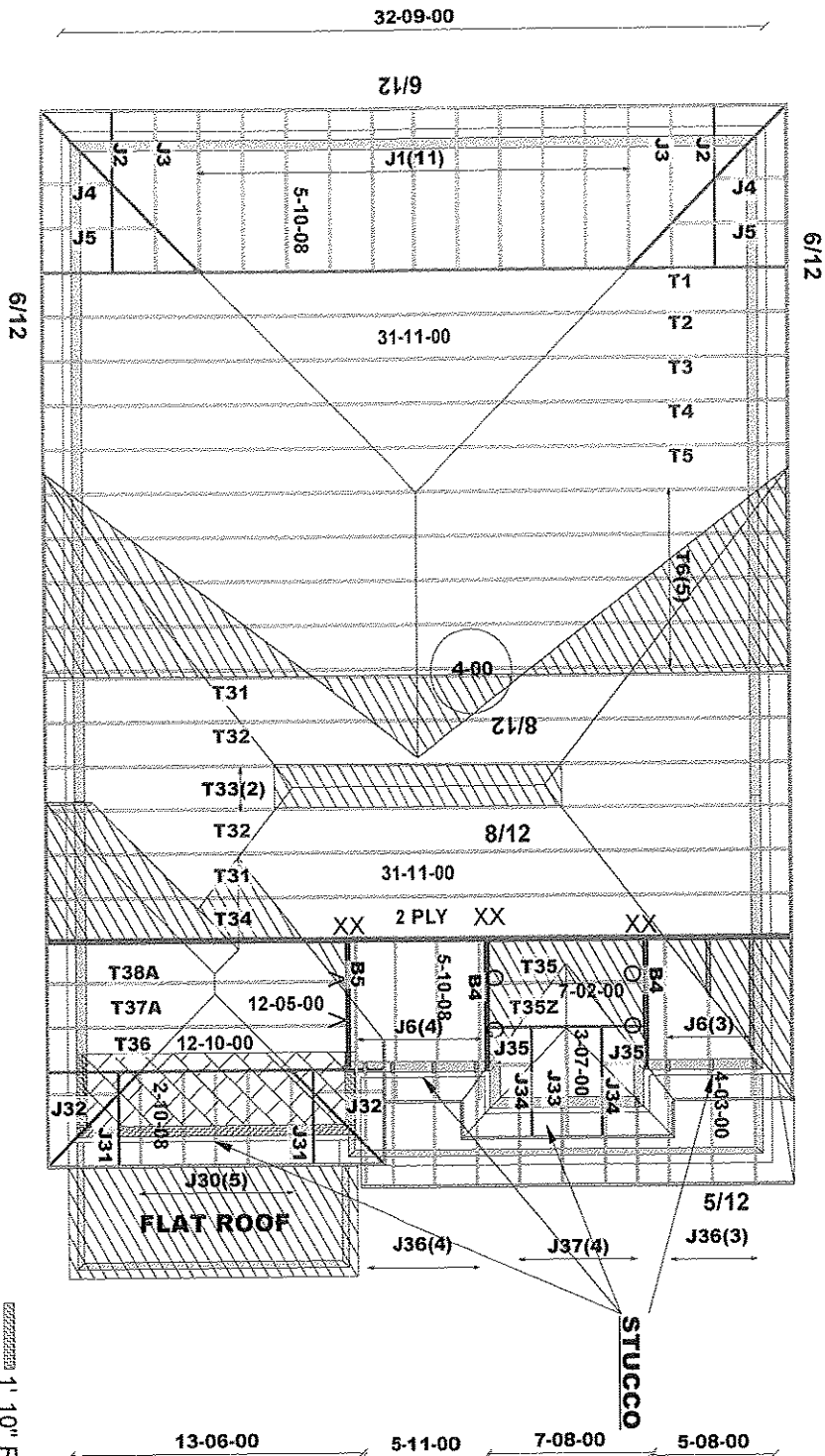
ALL ROOF SLOPES ARE 10/12
UNLESS OTHERWISE NOTED

BEAMS:
ALL BEAMS (B): 2 - 2X10 SPF #2

HARDWARE:

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

1' 10" RAISED PLATE
1' 10" RAISED CEILING



42-10-00
46-10-00

1-08-00
1-02-00



Delivery Shiplist

DATE	08/23/17
SALES REP	Mario

JOB TRACK: 43954	LAYOUT ID: 281188	LOCATION: WATERDOWN
BUILDER: GREENPARK - RUSSELL GARDENS PH 1	SUB-BUILDER:	
MODEL: ROSEWOOD 1	ELEVATION: 1	

ROOF TRUSSES

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

PROFILE	QTY PLY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
						TOP	BOT					
	1	T1 HIP GIRDER	6.00 0.00	31-11-00	04-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-02-00 01-02-00	173.58 107.00		
	1	T2 HIP	6.00 0.00	31-11-00	05-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	126.49 79.17		
	1	T3 HIP	6.00 0.00	31-11-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	129.12 80.67		
	1	T4 HIP	6.00 0.00	31-11-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	130.36 80.67		
	1	T5 HIP	6.00 0.00	31-11-00	08-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	131.28 82.50		
	5	T6 COMMON	6.00 0.00	31-11-00	09-01-12	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	646.10 404.15		
	1 2 Ply	T11 HIP GIRDER	8.00 0.00	31-11-00	05-03-13	2 X 6	2 X 6	01-03-08 01-03-08	01-04-13 01-04-13	389.24 232.66		
	2	T8 HIP	8.00 0.00	31-11-00	06-07-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	276.68 176.00		
	2	T9 HIP	8.00 0.00	31-11-00	07-11-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	283.40 178.00		
	3	T10 HIP	8.00 0.00	31-11-00	09-03-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	431.07 267.99		
	4	T12 COMMON	8.00 0.00	19-07-00	07-11-02	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	341.88 213.32		
	2	T13S SCISSOR	8.00 4.00	12-10-00	05-08-02	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	110.74 75.34		
	1	T14 COMMON	6.50 0.00	09-02-00	02-10-01	2 X 4	2 X 4	00-10-08 00-10-08	00-04-04 00-04-04	27.99 18.84		
	1	T14Z COMMON	6.50 0.00	09-02-00	02-10-01	2 X 4	2 X 4	00-10-08 00-10-08	00-04-04 00-04-04	27.99 18.84		
	11	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	184.69 117.37		
	2	J2 JACK-OPEN	6.00 0.00	05-10-08	02-00-12	2 X 4	2 X 4	01-03-08 -04-01-01	01-02-00 00-03-08	32.32 20.66		
	2	J3 JACK-OPEN	6.00 0.00	05-10-08	03-00-12	2 X 4	2 X 4	01-03-08 -02-01-01	01-02-00 00-03-08	37.42 23.34		
	2	J4 JACK-OPEN	6.00 0.00	01-10-08	02-00-12	2 X 4	2 X 4	01-03-08 -00-01-01	01-02-00 00-03-08	16.86 11.34		



Delivery Shiplist

DATE	08/23/17
SALES REP	Mario

JOB TRACK: 43954 LAYOUT ID: 281188 LOCATION: WATERDOWN
 BUILDER: GREENPARK - RUSSELL GARDENS PH 2 SUB-BUILDER:
 MODEL: ROSEWOOD 1 ELEVATION: 1

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	2	J5 JACK-OPEN	6.00 0.00	01-10-08	03-00-12	2 X 4	2 X 4	01-03-08 01-10-15	01-02-00 00-04-11	21.96 14.00		
	4	J6 JACK-OPEN	8.00 0.00	05-10-08	05-03-13	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-03-13	71.32 42.68		
	1	J7 JACK-OPEN	8.00 0.00	05-10-08	02-07-02	2 X 4	2 X 4	01-03-08 -04-01-00	01-04-13 00-03-08	16.84 10.33		
	1	J8 JACK-OPEN	8.00 0.00	05-10-08	03-11-02	2 X 4	2 X 4	01-03-08 -02-01-00	01-04-13 00-03-08	19.59 12.33		
	1	J9 JACK-OPEN	8.00 0.00	01-10-08	02-07-02	2 X 4	2 X 4	01-03-08 -00-01-01	01-04-13 00-03-08	9.17 5.67		
	1	J10 JACK-OPEN	8.00 0.00	01-10-08	03-11-02	2 X 4	2 X 4	01-03-08 01-10-15	01-04-13 00-05-03	11.91 7.67		
	6	J11 JACK-OPEN	6.00 0.00	05-09-00	03-03-05	2 X 4	2 X 4	01-03-08 00-00-00	00-04-13 03-03-05	94.20 60.00		
	4	J12 JACK-OPEN	6.00 0.00	04-03-00	02-06-05	2 X 4	2 X 4	01-03-08 00-00-00	00-04-13 02-06-05	48.32 32.00		
	2	J13 JACK-OPEN	5.50 0.00	05-05-00	02-11-05	2 X 4	2 X 4	01-03-08 00-00-00	00-05-09 02-11-05	29.50 18.66		
	3	J14 JACK-OPEN	8.00 0.00	03-01-08	02-10-01	2 X 4	2 X 4	01-03-08 00-00-00	00-09-01 02-10-01	30.57 21.99		

TOTAL # TRUSS= 69.00

TOTAL BFT OF ALL TRUSSES=

2413.19 BFT. TOTAL WEIGHT OF ALL TRUSSES= 3850.59 LBS.

HARDWARE

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

TOTAL # ITEMS= 4.00



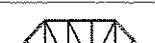
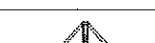
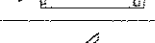
Delivery Shiplist

DATE	08/23/17
SALES REP	Mario

JOB TRACK: 43954 LAYOUT ID: 281189 LOCATION: WATERDOWN
 BUILDER: GREENPARK - RUSSELL GARDENS PH2 SUB-BUILDER:
 MODEL: ROSEWOOD 1 ELEVATION: 2

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	1	T1 HIP GIRDER	6.00 0.00	31-11-00	04-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-02-00 01-02-00	173.58 107.00		
	1	T2 HIP	6.00 0.00	31-11-00	05-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	126.49 79.17		
	1	T3 HIP	6.00 0.00	31-11-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	129.12 80.67		
	1	T4 HIP	6.00 0.00	31-11-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	130.36 80.67		
	1	T5 HIP	6.00 0.00	31-11-00	08-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	131.28 82.50		
	5	T6 COMMON	6.00 0.00	31-11-00	09-01-12	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	646.10 404.15		
	1 2 Ply	T11Z HIP GIRDER	8.00 0.00	31-11-00	05-03-13	2 X 6	2 X 6	01-03-08 01-03-08	01-04-13 01-04-13	389.24 232.66		
	2	T8 HIP	8.00 0.00	31-11-00	06-07-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	276.68 176.00		
	2	T9 HIP	8.00 0.00	31-11-00	07-11-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	283.40 178.00		
	3	T10 HIP	8.00 0.00	31-11-00	09-03-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	431.07 267.99		
	1	T22 HIP GIRDER	8.00 0.00	12-10-00	03-11-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	56.94 39.00		
	1	T23A HIP	8.00 0.00	12-05-00	06-09-13	2 X 4	2 X 4	01-03-08 00-00-00	02-10-13 03-02-02	64.04 41.67		
	1	T24A COMMON	8.00 0.00	12-05-00	07-02-02	2 X 4	2 X 4	01-03-08 00-00-00	02-10-13 03-02-02	61.84 40.17		
	1	T20 HIP GIRDER	8.00 0.00	11-10-00	03-11-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	54.23 36.67		
	1	T21A COMMON	8.00 0.00	11-05-00	06-10-02	2 X 4	2 X 4	01-03-08 00-00-00	02-10-13 03-02-02	51.47 32.67		
	11	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	184.69 117.37		
	2	J2 JACK-OPEN	6.00 0.00	05-10-08	02-00-12	2 X 4	2 X 4	01-03-08 -04-01-01	01-02-00 00-03-08	32.32 20.66		
	2	J3 JACK-OPEN	6.00 0.00	05-10-08	03-00-12	2 X 4	2 X 4	01-03-08 -02-01-01	01-02-00 00-03-08	37.42 23.34		



Delivery Shiplist

DATE	08/23/17
SALES REP	Mario

JOB TRACK: 43954 LAYOUT ID: 281189 LOCATION: WATERDOWN
 BUILDER: GREENPARK - RUSSELL GARDENS PH2 SUB-BUILDER:
 MODEL: ROSEWOOD 1 ELEVATION: 2

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	2	J4 JACK-OPEN	6.00 0.00	01-10-08	02-00-12	2 X 4	2 X 4	01-03-08 -00-01-01	01-02-00 00-03-08	16.86 11.34		
	2	J5 JACK-OPEN	6.00 0.00	01-10-08	03-00-12	2 X 4	2 X 4	01-03-08 01-10-15	01-02-00 00-04-11	21.96 14.00		
	4	J6 JACK-OPEN	8.00 0.00	05-10-08	05-03-13	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-03-13	71.32 42.68		
	7	J20 JACK-OPEN	8.00 0.00	03-10-08	03-11-13	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 03-11-13	89.67 56.00		
	4	J21 JACK-OPEN	8.00 0.00	03-10-08	02-07-02	2 X 4	2 X 4	01-03-08 -02-01-01	01-04-13 00-03-08	51.88 32.00		
	4	J22 JACK-OPEN	8.00 0.00	01-10-08	02-07-02	2 X 4	2 X 4	01-03-08 -00-01-01	01-04-13 00-03-08	36.68 22.68		
	7	J23 JACK-OPEN	5.00 0.00	06-05-00	03-00-02	2 X 4	2 X 4	01-03-08 00-00-00	00-04-01 03-00-02	130.97 85.19		

TOTAL # TRUSS= 69.00

TOTAL BFT OF ALL TRUSSES=

2304.25 BFT. TOTAL WEIGHT OF ALL TRUSSES= 3679.61 LBS.

HARDWARE

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

TOTAL # ITEMS= 5.00



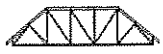
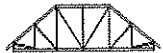
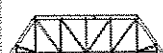
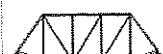
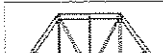
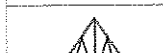
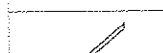
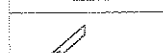
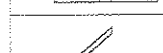
Delivery Shiplist

DATE	08/24/17
SALES REP	Mario

JOB TRACK: 43954 LAYOUT ID: 281190 LOCATION: WATERDOWN
 BUILDER: GREENPARK - RUSSELL GARDENS PH 2 SUB-BUILDER:
 MODEL: ROSEWOOD 1 ELEVATION: 3

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	1	T1 HIP GIRDER	6.00 0.00	31-11-00	04-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-02-00 01-02-00	173.58 107.00		
	1	T2 HIP	6.00 0.00	31-11-00	05-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	126.49 79.17		
	1	T3 HIP	6.00 0.00	31-11-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	129.12 80.67		
	1	T4 HIP	6.00 0.00	31-11-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	130.36 80.67		
	1	T5 HIP	6.00 0.00	31-11-00	08-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	131.28 82.50		
	5	T6 COMMON	6.00 0.00	31-11-00	09-01-12	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	646.10 404.15		
	1 2 Ply	T34 HIP GIRDER	10.00 0.00	31-11-00	05-03-13	2 X 6	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	389.86 230.66		
	2	T31 HIP	10.00 0.00	31-11-00	06-07-13	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	269.70 168.34		
	2	T32 HIP	10.00 0.00	31-11-00	07-11-13	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	299.14 188.66		
	3	T33 HIP	10.00 0.00	31-11-00	09-03-13	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	461.34 282.51		
	1	T36 HIP GIRDER	10.00 0.00	12-10-00	04-00-07	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	59.19 38.67		
	1	T37A HIP	10.00 0.00	12-05-00	07-06-07	2 X 4	2 X 4	01-03-08 00-00-00	03-05-11 03-09-14	67.60 44.34		
	1	T38A COMMON	10.00 0.00	12-05-00	08-09-14	2 X 4	2 X 4	01-03-08 00-00-00	03-05-11 03-09-14	69.37 45.83		
	1	T35 COMMON	10.00 0.00	07-02-00	04-07-08	2 X 4	2 X 4	00-00-00 00-00-00	01-07-11 01-07-11	30.91 20.67		
	1	T35Z COMMON	10.00 0.00	07-02-00	04-07-08	2 X 4	2 X 4	00-00-00 00-00-00	01-07-11 01-07-11	30.91 20.67		
	11	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	184.69 117.37		
	2	J2 JACK-OPEN	6.00 0.00	05-10-08	02-00-12	2 X 4	2 X 4	01-03-08 -04-01-01	01-02-00 00-03-08	32.32 20.66		
	2	J3 JACK-OPEN	6.00 0.00	05-10-08	03-00-12	2 X 4	2 X 4	01-03-08 -02-01-01	01-02-00 00-03-08	37.42 23.34		



Delivery Shiplist

DATE	08/24/17
SALES REP	Mario

JOB TRACK:43954 LAYOUT ID: 281190 LOCATION: WATERDOWN
 BUILDER: GREENPARK - RUSSELL GARDENS PH2 SUB-BUILDER:
 MODEL: ROSEWOOD 1 ELEVATION: 3

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	2	J4 JACK-OPEN	6.00 0.00	01-10-08	02-00-12	2 X 4	2 X 4	01-03-08 -00-01-01	01-02-00 00-03-08	16.86 11.34		
	2	J5 JACK-OPEN	6.00 0.00	01-10-08	03-00-12	2 X 4	2 X 4	01-03-08 01-10-15	01-02-00 00-04-11	21.96 14.00		
	7	J6 JACK-OPEN	8.00 0.00	05-10-08	05-03-13	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-03-13	124.81 74.69		
	5	J30 JACK-OPEN	10.00 0.00	02-10-08	04-00-07	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 04-00-07	55.60 36.65		
	2	J31 JACK-OPEN	10.00 0.00	02-10-08	03-01-09	2 X 4	2 X 4	01-03-08 -01-01-01	01-07-11 00-03-08	23.66 16.34		
	2	J32 JACK-OPEN	10.00 0.00	01-10-08	03-01-09	2 X 4	2 X 4	01-03-08 -00-01-01	01-07-11 00-03-08	19.98 14.00		
	1	J33 JACK-OPEN	10.00 0.00	03-07-00	04-07-08	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 04-07-08	12.98 8.67		
	2	J34 JACK-OPEN	10.00 0.00	03-07-00	03-01-09	2 X 4	2 X 4	01-03-08 -01-09-09	01-07-11 00-03-08	26.36 18.66		
	2	J35 JACK-OPEN	10.00 0.00	01-10-08	03-01-09	2 X 4	2 X 4	00-00-00 -00-01-01	01-07-11 00-03-08	12.00 8.66		
	7	J36 JACK-OPEN	5.00 0.00	04-03-00	02-01-05	2 X 4	2 X 4	01-03-08 00-00-00	00-04-01 02-01-05	82.81 56.00		
	4	J37 JACK	5.00 0.00	02-07-00	01-04-15	2 X 4	2 X 4	01-03-08 00-00-00	00-04-01 01-04-15	31.48 21.32		

TOTAL # TRUSS= 75.00

TOTAL BFT OF ALL TRUSSES=

2316.21 BFT. TOTAL WEIGHT OF ALL TRUSSES= 3697.88 LBS.

HARDWARE

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

TOTAL # ITEMS= 9.00



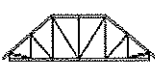
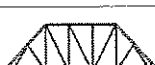
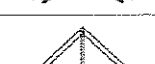
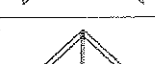
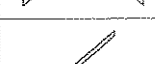
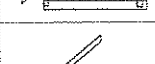
Delivery Shiplist

DATE	08/24/17
SALES REP	Mario

JOB TRACK: 43954 LAYOUT ID: 287181 LOCATION:
 BUILDER: GREENPARK - RUSSELL GARDENS PH 2, SUB-BUILDER:
 MODEL: ROSEWOOD 1A ELEVATION: 1

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	1	T1 HIP GIRDER	6.00 0.00	31-11-00	04-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-02-00 01-02-00	173.58 107.00		
	1	T2 HIP	6.00 0.00	31-11-00	05-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	126.49 79.17		
	1	T3 HIP	6.00 0.00	31-11-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	129.12 80.67		
	1	T4 HIP	6.00 0.00	31-11-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	130.36 80.67		
	1	T5 HIP	6.00 0.00	31-11-00	08-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	131.28 82.50		
	4	T6 COMMON	6.00 0.00	31-11-00	09-01-12	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	516.88 323.32		
	1 2 Ply	T11 HIP GIRDER	8.00 0.00	31-11-00	05-03-13	2 X 6	2 X 6	01-03-08 01-03-08	01-04-13 01-04-13	389.24 232.66		
	2	T8 HIP	8.00 0.00	31-11-00	06-07-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	276.68 176.00		
	2	T9 HIP	8.00 0.00	31-11-00	07-11-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	283.40 178.00		
	2	T10 HIP	8.00 0.00	31-11-00	09-03-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	287.38 178.66		
	4	T12 COMMON	8.00 0.00	19-07-00	07-11-02	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	341.88 213.32		
	2	T13S SCISSOR	8.00 4.00	12-10-00	05-08-02	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	110.74 75.34		
	1	T14 COMMON	6.50 0.00	09-02-00	02-10-01	2 X 4	2 X 4	00-10-08 00-10-08	00-04-04 00-04-04	27.99 18.84		
	1	T14Z COMMON	6.50 0.00	09-02-00	02-10-01	2 X 4	2 X 4	00-10-08 00-10-08	00-04-04 00-04-04	27.99 18.84		
	11	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	184.69 117.37		
	2	J2 JACK-OPEN	6.00 0.00	05-10-08	02-00-12	2 X 4	2 X 4	01-03-08 -04-01-01	01-02-00 03-09-05	32.32 20.66		
	2	J3 JACK-OPEN	6.00 0.00	05-10-08	03-00-12	2 X 4	2 X 4	01-03-08 -02-01-01	01-02-00 03-09-05	37.42 23.34		
	2	J4 JACK-OPEN	6.00 0.00	01-10-08	02-00-12	2 X 4	2 X 4	01-03-08 -00-01-01	01-02-00 01-09-05	16.86 11.34		



Delivery Shiplist

DATE	08/24/17
SALES REP	Mario

JOB TRACK: 43954 LAYOUT ID: 287181 LOCATION:
 BUILDER: GREENPARK - RUSSELL GARDENS PH 2 SUB-BUILDER:
 MODEL: ROSEWOOD 1A ELEVATION: 1

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	2	J5 JACK-OPEN	6.00 0.00	01-10-08	03-00-12	2 X 4	2 X 4	01-03-08 01-10-15	01-02-00 00-04-11	21.96 14.00		
	4	J6 JACK-OPEN	8.00 0.00	05-10-08	05-03-13	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-03-13	71.32 42.68		
	1	J7 JACK-OPEN	8.00 0.00	05-10-08	02-07-02	2 X 4	2 X 4	01-03-08 -04-01-00	01-04-13 04-11-10	16.84 10.33		
	1	J8 JACK-OPEN	8.00 0.00	05-10-08	03-11-02	2 X 4	2 X 4	01-03-08 -02-01-00	01-04-13 04-11-10	19.59 12.33		
	1	J9 JACK-OPEN	8.00 0.00	01-10-08	02-07-02	2 X 4	2 X 4	01-03-08 -00-01-01	01-04-13 02-03-10	9.17 5.67		
	1	J10 JACK-OPEN	8.00 0.00	01-10-08	03-11-02	2 X 4	2 X 4	01-03-08 01-10-15	01-04-13 00-05-03	11.91 7.67		
	6	J11 JACK-OPEN	6.00 0.00	05-09-00	03-03-05	2 X 4	2 X 4	01-03-08 00-00-00	00-04-13 03-03-05	94.20 60.00		
	4	J12 JACK-OPEN	6.00 0.00	04-03-00	02-06-05	2 X 4	2 X 4	01-03-08 00-00-00	00-04-13 02-06-05	48.32 32.00		
	2	J13 JACK-OPEN	5.50 0.00	05-05-00	02-11-05	2 X 4	2 X 4	01-03-08 00-00-00	00-05-09 02-11-05	29.50 18.66		
	3	J14 JACK-OPEN	8.00 0.00	03-01-08	02-10-01	2 X 4	2 X 4	01-03-08 00-00-00	00-09-01 02-10-01	30.57 21.99		

TOTAL # TRUSS= 67.00

TOTAL BFT OF ALL TRUSSES=

2243.03 BFT. TOTAL WEIGHT OF ALL TRUSSES= 3577.68 LBS.

HARDWARE

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

TOTAL # ITEMS= 4.00



Delivery Shiplist

DATE	08/24/17
SALES REP	Mario

JOB TRACK: 43954 LAYOUT ID: 287179 LOCATION:
 BUILDER: GREENPARK - RUSSELL GARDENS PH 1 SUB-BUILDER:
 MODEL: ROSEWOOD1A ELEVATION: 2

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	1	T1 HIP GIRDER	6.00 0.00	31-11-00	04-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-02-00 01-02-00	173.58 107.00		
	1	T2 HIP	6.00 0.00	31-11-00	05-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	126.49 79.17		
	1	T3 HIP	6.00 0.00	31-11-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	129.12 80.67		
	1	T4 HIP	6.00 0.00	31-11-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	130.36 80.67		
	1	T5 HIP	6.00 0.00	31-11-00	08-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	131.28 82.50		
	5	T6 COMMON	6.00 0.00	31-11-00	09-01-12	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	646.10 404.15		
	1 2 Ply	T11Z HIP GIRDER	8.00 0.00	31-11-00	05-03-13	2 X 6	2 X 6	01-03-08 01-03-08	01-04-13 01-04-13	389.24 232.66		
	2	T8 HIP	8.00 0.00	31-11-00	06-07-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	276.68 176.00		
	2	T9 HIP	8.00 0.00	31-11-00	07-11-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	283.40 178.00		
	2	T10 HIP	8.00 0.00	31-11-00	09-03-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	287.38 178.66		
	1	T22 HIP GIRDER	8.00 0.00	12-10-00	03-11-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	56.94 39.00		
	1	T230A HIP	8.00 0.00	12-05-00	06-11-13	2 X 4	2 X 4	01-03-08 00-00-00	03-00-13 03-04-02	64.94 41.67		
	1	T240A COMMON	8.00 0.00	12-05-00	07-04-02	2 X 4	2 X 4	01-03-08 00-00-00	03-00-13 03-04-02	62.82 40.17		
	1	T20 HIP GIRDER	8.00 0.00	11-10-00	03-11-13	2 X 4	2 X 4	01-03-08 01-03-08	01-04-13 01-04-13	54.23 36.67		
	1	T210A COMMON	8.00 0.00	11-05-00	06-02-02	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 03-04-02	51.26 32.50		
	11	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	184.69 117.37		
	2	J2 JACK-OPEN	6.00 0.00	05-10-08	02-00-12	2 X 4	2 X 4	01-03-08 -04-01-01	01-02-00 00-03-08	32.32 20.66		
	2	J3 JACK-OPEN	6.00 0.00	05-10-08	03-00-12	2 X 4	2 X 4	01-03-08 -02-01-01	01-02-00 00-03-08	37.42 23.34		



Delivery Shiplist

DATE	08/24/17
SALES REP	Mario

JOB TRACK: 43954 LAYOUT ID: 287179 LOCATION:
 BUILDER: GREENPARK - RUSSELL GARDENS PH1 SUB-BUILDER:
 MODEL: ROSEWOOD1A ELEVATION: 2

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	2	J4 JACK-OPEN	6.00 0.00	01-10-08	02-00-12	2 X 4	2 X 4	01-03-08 -00-01-01	01-02-00 00-03-08	16.86 11.34		
	2	J5 JACK-OPEN	6.00 0.00	01-10-08	03-00-12	2 X 4	2 X 4	01-03-08 01-10-15	01-02-00 00-04-11	21.96 14.00		
	4	J6 JACK-OPEN	8.00 0.00	05-10-08	05-03-13	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-03-13	71.32 42.68		
	7	J20 JACK-OPEN	8.00 0.00	03-10-08	03-11-13	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 03-11-13	89.67 56.00		
	4	J21 JACK-OPEN	8.00 0.00	03-10-08	02-07-02	2 X 4	2 X 4	01-03-08 -02-01-01	01-04-13 00-03-08	51.88 32.00		
	4	J22 JACK-OPEN	8.00 0.00	01-10-08	02-07-02	2 X 4	2 X 4	01-03-08 -00-01-01	01-04-13 00-03-08	36.68 22.68		
	7	J23 JACK-OPEN	5.00 0.00	06-05-00	03-00-02	2 X 4	2 X 4	01-03-08 00-00-00	00-04-01 03-00-02	130.97 85.19		

TOTAL # TRUSS= 68.00

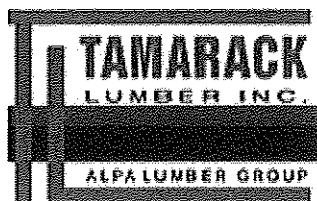
TOTAL BFT OF ALL TRUSSES=

2214.75 BFT. TOTAL WEIGHT OF ALL TRUSSES= 3537.59 LBS.

HARDWARE

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

TOTAL # ITEMS= 5.00



Delivery Shiplist

DATE	08/24/17
SALES REP	Mario

JOB TRACK: 43954 LAYOUT ID: 287180 LOCATION:
 BUILDER: GREENPARK - RUSSELL GARDENS PH 1 SUB-BUILDER:
 MODEL: ROSEWOOD1A ELEVATION: 3

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	1	T1 HIP GIRDER	6.00 0.00	31-11-00	04-01-04	2 X 4	2 X 6	01-03-08 01-03-08	01-02-00 01-02-00	173.58 107.00		
	1	T2 HIP	6.00 0.00	31-11-00	05-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	126.49 79.17		
	1	T3 HIP	6.00 0.00	31-11-00	06-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	129.12 80.67		
	1	T4 HIP	6.00 0.00	31-11-00	07-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	130.36 80.67		
	1	T5 HIP	6.00 0.00	31-11-00	08-01-04	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	131.28 82.50		
	5	T6 COMMON	6.00 0.00	31-11-00	09-01-12	2 X 4	2 X 4	01-03-08 01-03-08	01-02-00 01-02-00	646.10 404.15		
	1 2 Ply	T34 HIP GIRDER	10.00 0.00	31-11-00	05-03-13	2 X 6	2 X 6	01-03-08 01-03-08	01-07-11 01-07-11	389.86 230.66		
	2	T31 HIP	10.00 0.00	31-11-00	06-07-13	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	269.70 168.34		
	2	T32 HIP	10.00 0.00	31-11-00	07-11-13	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	299.14 188.66		
	2	T33 HIP	10.00 0.00	31-11-00	09-03-13	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	307.56 188.34		
	1	T36 HIP GIRDER	10.00 0.00	12-10-00	04-00-07	2 X 4	2 X 4	01-03-08 01-03-08	01-07-11 01-07-11	59.19 38.67		
	1	T37A HIP	10.00 0.00	12-05-00	07-06-07	2 X 4	2 X 4	01-03-08 00-00-00	03-05-11 03-09-14	67.60 44.34		
	1	T38A COMMON	10.00 0.00	12-05-00	08-09-14	2 X 4	2 X 4	01-03-08 00-00-00	03-05-11 03-09-14	69.37 45.83		
	1	T35 COMMON	10.00 0.00	07-02-00	04-07-08	2 X 4	2 X 4	00-00-00 00-00-00	01-07-11 01-07-11	30.91 20.67		
	1	T35Z COMMON	10.00 0.00	07-02-00	04-07-08	2 X 4	2 X 4	00-00-00 00-00-00	01-07-11 01-07-11	30.91 20.67		
	11	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	184.69 117.37		
	2	J2 JACK-OPEN	6.00 0.00	05-10-08	02-00-12	2 X 4	2 X 4	01-03-08 -04-01-01	01-02-00 03-09-05	32.32 20.66		
	2	J3 JACK-OPEN	6.00 0.00	05-10-08	03-00-12	2 X 4	2 X 4	01-03-08 -02-01-01	01-02-00 03-09-05	37.42 23.34		



Delivery Shiplist

DATE	08/24/17
SALES REP	Mario

JOB TRACK: 43954 LAYOUT ID: 287180 LOCATION:
 BUILDER: GREENPARK - RUSSELL GARDENS PH 1 SUB-BUILDER:
 MODEL: ROSEWOOD1A ELEVATION: 3

ROOF TRUSSES

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

PROFILE	QTY	MARK TYPE	PITCH TC BC	SPAN	TRUSS HEIGHT	LUMBER		OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY: REMARKS
	PLY					TOP	BOT					
	2	J4 JACK-OPEN	6.00 0.00	01-10-08	02-00-12	2 X 4	2 X 4	01-03-08 -00-01-01	01-02-00 01-09-05	16.86 11.34		
	2	J5 JACK-OPEN	6.00 0.00	01-10-08	03-00-12	2 X 4	2 X 4	01-03-08 01-10-15	01-02-00 00-04-11	21.96 14.00		
	7	J6 JACK-OPEN	8.00 0.00	05-10-08	05-03-13	2 X 4	2 X 4	01-03-08 00-00-00	01-04-13 05-03-13	124.81 74.69		
	5	J30 JACK-OPEN	10.00 0.00	02-10-08	04-00-07	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 04-00-07	55.60 36.65		
	2	J31 JACK-OPEN	10.00 0.00	02-10-08	03-01-09	2 X 4	2 X 4	01-03-08 -01-01-01	01-07-11 03-07-14	23.66 16.34		
	2	J32 JACK-OPEN	10.00 0.00	01-10-08	03-01-09	2 X 4	2 X 4	01-03-08 -00-01-01	01-07-11 02-09-14	19.98 14.00		
	1	J33 JACK-OPEN	10.00 0.00	03-07-00	04-07-08	2 X 4	2 X 4	01-03-08 00-00-00	01-07-11 04-07-08	12.98 8.67		
	2	J34 JACK-OPEN	10.00 0.00	03-07-00	03-01-09	2 X 4	2 X 4	01-03-08 -01-09-09	01-07-11 04-02-15	26.36 18.66		
	2	J35 JACK-OPEN	10.00 0.00	01-10-08	03-01-09	2 X 4	2 X 4	00-00-00 -00-01-01	01-07-11 02-09-14	12.00 8.66		
	7	J36 JACK-OPEN	5.00 0.00	04-03-00	02-01-05	2 X 4	2 X 4	01-03-08 00-00-00	00-04-01 02-01-05	82.81 56.00		
	4	J37 JACK	5.00 0.00	02-07-00	01-04-15	2 X 4	2 X 4	01-03-08 00-00-00	00-04-01 01-04-15	31.48 21.32		

TOTAL # TRUSS= 74.00

TOTAL BFT OF ALL TRUSSES=

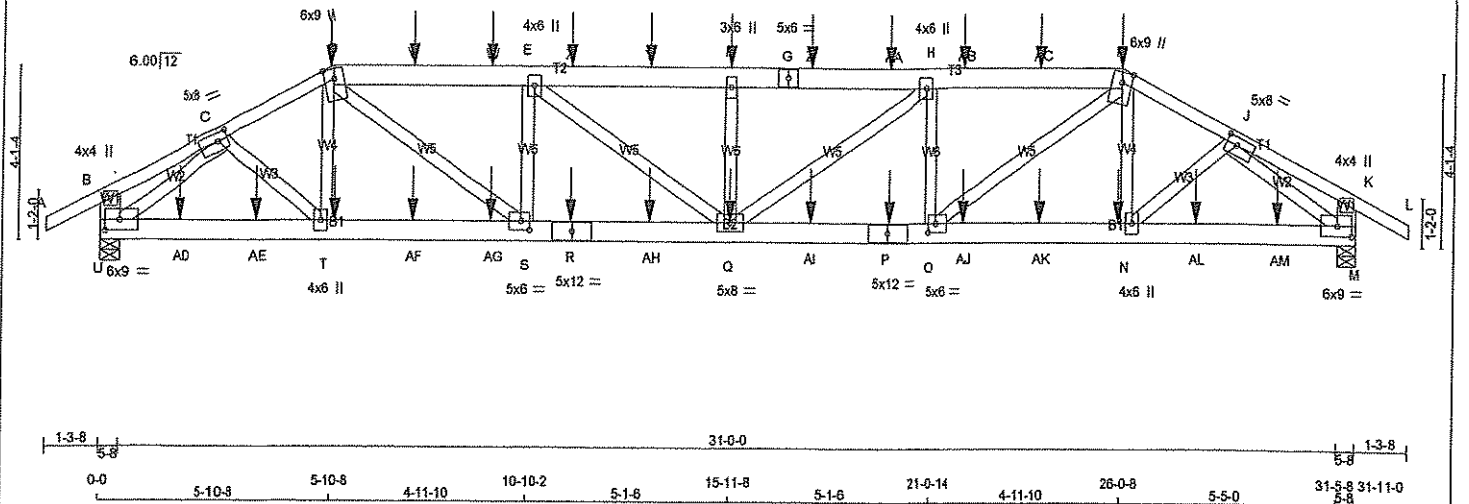
2222.04 BFT. TOTAL WEIGHT OF ALL TRUSSES= 3544.10 LBS.

HARDWARE

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

TOTAL # ITEMS= 9.00

JOB NAME 281188	TRUSS NAME T1	QUANTITY 1	PLY 1	JOB DESC. 43954	DRWG NO.
Tamarack Roof Truss, Burlington				Version 6.030 S Oct 5 2016 Mitek Industries, Inc. Thu Aug 24 13:48:41 2017 Page 1	
ID:SMnuxrZ7Kg?mjwMnAlh126ykb1-UKRuV_rT6vxaN10vyHLMRKvOMT0agCymaTeGmKykdry					
-1-3-8 0-0 3-1-0 3-1-0 7-9-2 10-10-2 5-1-6 15-11-8 5-1-6 21-9-14 7-9-2 28-10-0 31-1-0 33-2-8 Scale = 1:54.8					



LUMBER N. L. G. A. RULES CHORDS SIZE LUMBER DESCR. DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
D - G	2x6	DRY	No.2
G - I	2x6	DRY	No.2
I - L	2x4	DRY	No.2
U - B	2x6	DRY	No.2
M - K	2x6	DRY	No.2
U - R	2x6	DRY	No.2
R - P	2x6	DRY	No.2
P - M	2x6	DRY	No.2
ALL WEBS EXCEPT	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMV+p	MT20	4.0	4.0		
C TMWW-l	MT20	5.0	8.0	2.25	3.00
D TTWW+m	MT20	6.0	9.0	Edge	
E TMWW+l	MT20	4.0	6.0		
F TMW+w	MT20	3.0	6.0		
G TS-l	MT20	5.0	6.0		
H TMWW+l	MT20	4.0	6.0		
I TTWW+m	MT20	6.0	9.0	Edge	
J TMWW-l	MT20	5.0	8.0	2.25	3.00
K TMV+p	MT20	4.0	4.0		
M BMVW1-l	MT20	6.0	9.0	3.00	4.25
N BMWW+l	MT20	4.0	6.0		
O BMWW-l	MT20	5.0	6.0	2.50	2.50
P BS-l	MT20	5.0	12.0		
Q BMWWW-l	MT20	5.0	8.0		
R BS-l	MT20	5.0	12.0		
S BMWW-l	MT20	5.0	6.0	2.50	2.50
T BMWW+l	MT20	4.0	6.0		
U BMVW1-l	MT20	6.0	9.0	3.00	4.25

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

HANGERS NOTES

1)

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
U	3151 0	3151 0	0 5-8	5-8
M	3151 0	3151 0	0 5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
U	2574	1448 / 0	572 / 0	0 / 0	554 / 0	0 / 0
M	2574	1448 / 0	572 / 0	0 / 0	554 / 0	0 / 0

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. CSI (LC)	UNBRACED LENGTH	MEMB.	WEBS MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO					FR-TO		
A-B	0 / 26	-84.3 -84.3	0.12 (1)	10.00	C-T	0 / 721	0.13 (1)
B-C	-3 / 6	-84.3 -84.3	0.11 (1)	10.00	T-D	-160 / 244	0.04 (3)
C-D	-4743 / 0	-84.3 -84.3	0.41 (1)	2.89	N-I	-160 / 244	0.04 (3)
D-V	-6243 / 0	-84.3 -84.3	0.50 (1)	3.11	N-J	0 / 721	0.13 (1)
V-W	-6243 / 0	-84.3 -84.3	0.50 (1)	3.11	U-C	-4647 / 0	0.80 (1)
W-E	-6243 / 0	-84.3 -84.3	0.50 (1)	3.11	J-M	-4647 / 0	0.80 (1)
E-X	-6873 / 0	-84.3 -84.3	0.52 (1)	2.95	O-I	0 / 2463	0.44 (1)
X-Y	-6873 / 0	-84.3 -84.3	0.52 (1)	2.95	D-S	0 / 2463	0.44 (1)
Y-F	-6873 / 0	-84.3 -84.3	0.52 (1)	2.95	O-H	-1234 / 0	0.21 (1)
F-G	-6873 / 0	-84.3 -84.3	0.52 (1)	2.95	S-E	-1234 / 0	0.21 (1)
G-Z	-6873 / 0	-84.3 -84.3	0.52 (1)	2.95	Q-H	0 / 775	0.14 (1)
Z-AA	-6873 / 0	-84.3 -84.3	0.52 (1)	2.95	E-Q	0 / 775	0.14 (1)
AA-H	-6873 / 0	-84.3 -84.3	0.52 (1)	2.95	Q-F	-659 / 0	0.11 (1)
H-AB	-6243 / 0	-84.3 -84.3	0.50 (1)	3.11			
AB-AC	-6243 / 0	-84.3 -84.3	0.50 (1)	3.11			
AC-I	-6243 / 0	-84.3 -84.3	0.50 (1)	3.11			
I-J	-4743 / 0	-84.3 -84.3	0.41 (1)	2.89			
J-K	-3 / 6	-84.3 -84.3	0.11 (1)	10.00			
K-L	0 / 26	-84.3 -84.3	0.12 (1)	10.00			
U-B	-227 / 0	0.0 0.0	0.02 (1)	7.81			
M-K	-227 / 0	0.0 0.0	0.02 (1)	7.81			

U-AD	0 / 3700	-28.0 -28.0	0.60 (1)	10.00
AD-AE	0 / 3700	-28.0 -28.0	0.60 (1)	10.00
AE-T	0 / 3700	-28.0 -28.0	0.60 (1)	10.00
T-AF	0 / 4263	-28.0 -28.0	0.63 (1)	10.00
AF-AG	0 / 4263	-28.0 -28.0	0.63 (1)	10.00
AG-S	0 / 4263	-28.0 -28.0	0.63 (1)	10.00
S-R	0 / 6242	-28.0 -28.0	0.92 (1)	10.00
R-AH	0 / 6242	-28.0 -28.0	0.92 (1)	10.00
AH-Q	0 / 6242	-28.0 -28.0	0.92 (1)	10.00
Q-AI	0 / 6242	-28.0 -28.0	0.92 (1)	10.00
AI-P	0 / 6242	-28.0 -28.0	0.92 (1)	10.00
P-O	0 / 6242	-28.0 -28.0	0.92 (1)	10.00
O-AJ	0 / 4263	-28.0 -28.0	0.63 (1)	10.00
AJ-AK	0 / 4263	-28.0 -28.0	0.63 (1)	10.00
AK-N	0 / 4263	-28.0 -28.0	0.63 (1)	10.00
N-AL	0 / 3700	-28.0 -28.0	0.60 (1)	10.00
AL-AM	0 / 3700	-28.0 -28.0	0.60 (1)	10.00
AM-M	0 / 3700	-28.0 -28.0	0.60 (1)	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 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 085-09
- 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 (1.06")
CALCULATED VERT. DEFL.(LL) = L/999 (0.32")
ALLOWABLE DEFL.(TL) = L/360 (1.06")
CALCULATED VERT. DEFL.(TL) = L/744 (0.51")

CSI: TC=0.52 (E-F:1), BC=0.92 (Q-S:1), WB=0.80 (C-U:1), SSI=0.28 (H-I: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

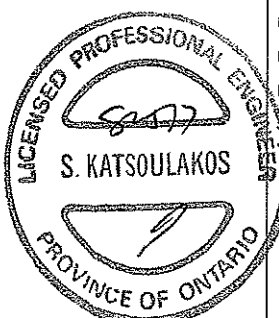
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (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.

SSI GRIP= 0.87 (U) (INPUT = 0.90)
SSI METAL= 1.00 (R) (INPUT = 1.00)



DWG NO. TAM 42891-17
STRUCTURAL

7/6/16

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	43954	DRWG NO.
281188	T1	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 Mitek Industries, Inc. Thu Aug 24 13:46:41 2017 Page 2
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HANGERS NOTES

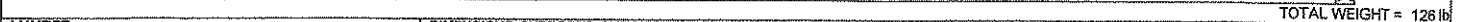
1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 472.3 lbs FACTORED DOWN AT 5-10-8, 101.4 lbs FACTORED DOWN AT 7-11-4, 101.4 lbs FACTORED DOWN AT 9-11-4, 101.4 lbs FACTORED DOWN AT 11-11-4, 101.4 lbs FACTORED DOWN AT 13-11-4, 101.4 lbs FACTORED DOWN AT 15-11-8, 101.4 lbs FACTORED DOWN AT 17-11-12, 101.4 lbs FACTORED DOWN AT 19-11-12, 101.4 lbs FACTORED DOWN AT 21-11-12, AND 101.4 lbs FACTORED DOWN AT 23-11-12, AND 472.3 lbs FACTORED DOWN AT 26-0-8 ON TOP CHORD, AND 84.6 lbs FACTORED DOWN AT 1-11-4, 84.6 lbs FACTORED DOWN AT 3-11-4, 69.9 lbs FACTORED DOWN AT 5-11-4, 69.9 lbs FACTORED DOWN AT 7-11-4, 69.9 lbs FACTORED DOWN AT 9-11-4, 69.9 lbs FACTORED DOWN AT 11-11-4, 69.9 lbs FACTORED DOWN AT 13-11-4, 69.9 lbs FACTORED DOWN AT 15-11-8, 69.9 lbs FACTORED DOWN AT 17-11-12, 69.9 lbs FACTORED DOWN AT 19-11-12, 69.9 lbs FACTORED DOWN AT 21-11-12, 69.9 lbs FACTORED DOWN AT 23-11-12, 69.9 lbs FACTORED DOWN AT 25-11-12, AND 84.6 lbs FACTORED DOWN AT 27-11-12, AND 84.6 lbs FACTORED DOWN AT 29-11-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

FACTORED CONCENTRATED LOADS (LBS)

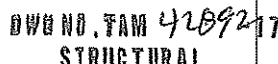
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
D	5-10-8	-472	-472	---	FRONT	VERT	TOTAL
F	15-11-8	-101	-101	---	FRONT	VERT	TOTAL
I	26-0-8	-472	-472	---	FRONT	VERT	TOTAL
N	25-11-12	-40	-70	---	FRONT	VERT	TOTAL
P	19-11-12	-40	-70	---	FRONT	VERT	TOTAL
Q	15-11-8	-40	-70	---	FRONT	VERT	TOTAL
R	11-11-4	-40	-70	---	FRONT	VERT	TOTAL
T	5-11-4	-40	-70	---	FRONT	VERT	TOTAL
V	7-11-4	-101	-101	---	FRONT	VERT	TOTAL
W	9-11-4	-101	-101	---	FRONT	VERT	TOTAL
X	11-11-4	-101	-101	---	FRONT	VERT	TOTAL
Y	13-11-4	-101	-101	---	FRONT	VERT	TOTAL
Z	17-11-12	-101	-101	---	FRONT	VERT	TOTAL
AA	19-11-12	-101	-101	---	FRONT	VERT	TOTAL
AB	21-11-12	-101	-101	---	FRONT	VERT	TOTAL
AC	23-11-12	-101	-101	---	FRONT	VERT	TOTAL
AD	1-11-4	-48	-85	---	FRONT	VERT	TOTAL
AE	3-11-4	-48	-85	---	FRONT	VERT	TOTAL
AF	7-11-4	-40	-70	---	FRONT	VERT	TOTAL
AG	9-11-4	-40	-70	---	FRONT	VERT	TOTAL
AH	13-11-4	-40	-70	---	FRONT	VERT	TOTAL
AI	17-11-12	-40	-70	---	FRONT	VERT	TOTAL
AJ	21-11-12	-40	-70	---	FRONT	VERT	TOTAL
AK	23-11-12	-40	-70	---	FRONT	VERT	TOTAL
AL	27-11-12	-48	-85	---	FRONT	VERT	TOTAL
AM	29-11-12	-48	-85	---	FRONT	VERT	TOTAL

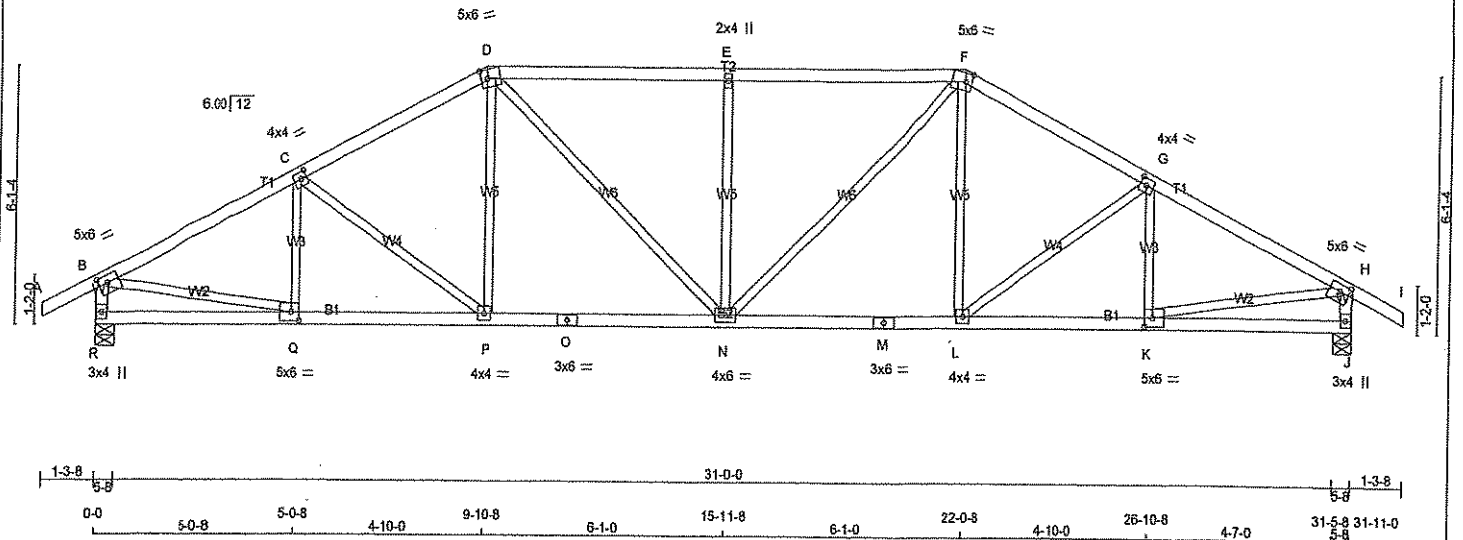


DWG NO. TAM 42091-17
STRUCTURAL

Scale = 1:54.8

JSI GRIP= 0.86 (L) (INPUT = 0.90)
JSI METAL= 0.87 (O) (INPUT = 1.00)





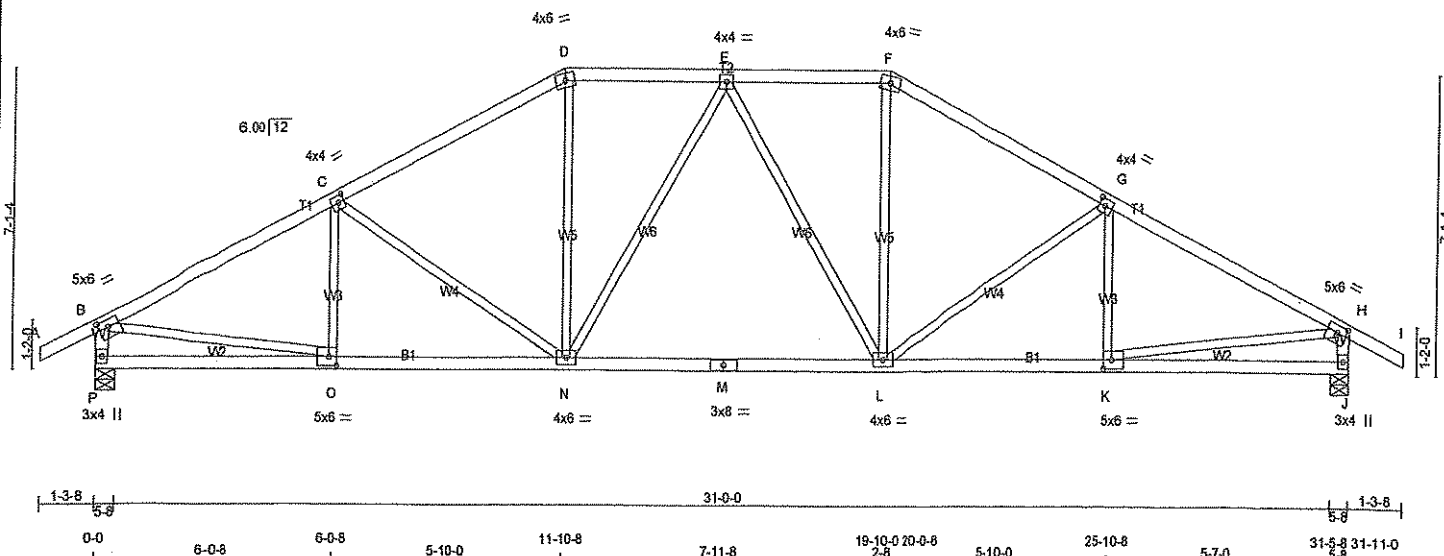
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	43954	DRWG NO.
281188	T4	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:SMnuxrZ7Kg?mjmMnAl126ykb1-yW?GikS5sD3R?1b5V?sb_YRZDtSDPiDvp7OpJmykdx

-1-3-8 0-0 6-0-8 6-0-8 5-10-0 11-10-8 4-1-0 15-11-8 4-1-0 20-0-8 5-10-0 25-10-8 6-0-8 31-11-0 33-2-8 1-3-8
Scale = 1:54.8



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	
P - B	2x4	DRY	No.2	SPF	
J - H	2x4	DRY	No.2	SPF	
P - M	2x4	DRY	No.2	SPF	
M - J	2x4	DRY	No.2	SPF	

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	6.0	2.00	2.75
C	TMVWV-t	MT20	4.0	4.0	2.00	1.75
D	TTW-m	MT20	4.0	6.0		
E	TMVWV-t	MT20	4.0	4.0		
F	TTW-m	MT20	4.0	6.0		
G	TMVWV-t	MT20	4.0	4.0	2.00	1.75
H	TMVW-t	MT20	5.0	6.0	2.00	2.75
J	BMV1+p	MT20	3.0	4.0		
K	BMVWV-t	MT20	5.0	6.0	2.50	2.50
L	BMVWV-t	MT20	4.0	6.0		
M	BS-t	MT20	3.0	8.0		
N	BMVWV-t	MT20	4.0	6.0		
O	BMVWV-t	MT20	5.0	6.0	2.50	2.50
P	BMV1+p	MT20	3.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	UP
P	1906	0	1906	0
J	1906	0	1906	0

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	1548	886 / 0	335 / 0	0 / 0	0 / 0	327 / 0	0 / 0
J	1548	886 / 0	335 / 0	0 / 0	0 / 0	327 / 0	0 / 0

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

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.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. CSI (LC)	UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO							FR-TO			
A-B	0 / 26	-84.3	-84.3	0.11 (1)	10.00	O-C	-167 / 140	0.04 (1)		
B-C	-2623 / 0	-84.3	-84.3	0.52 (1)	3.81	C-N	-469 / 0	0.45 (1)		
C-D	-2237 / 0	-84.3	-84.3	0.46 (1)	4.13	N-D	0 / 687	0.15 (1)		
D-E	-1986 / 0	-84.3	-84.3	0.21 (1)	4.61	L-F	0 / 687	0.15 (1)		
E-F	-1986 / 0	-84.3	-84.3	0.21 (1)	4.61	L-G	-469 / 0	0.45 (1)		
F-G	-2237 / 0	-84.3	-84.3	0.46 (1)	4.13	K-G	-167 / 140	0.04 (1)		
G-H	-2623 / 0	-84.3	-84.3	0.52 (1)	3.81	B-O	0 / 2392	0.54 (1)		
H-I	0 / 26	-84.3	-84.3	0.11 (1)	10.00	K-H	0 / 2392	0.54 (1)		
P-B	-1832 / 0	0.0	0.0	0.19 (1)	6.19	N-E	-239 / 0	0.31 (1)		
J-H	-1832 / 0	0.0	0.0	0.19 (1)	6.19	E-L	-239 / 0	0.31 (1)		
P-O	0 / 0	-28.0	-28.0	0.21 (2)	10.00					
O-N	0 / 2369	-28.0	-28.0	0.57 (2)	10.00					
N-M	0 / 2107	-28.0	-28.0	0.54 (2)	10.00					
M-L	0 / 2107	-28.0	-28.0	0.54 (2)	10.00					
L-K	0 / 2369	-28.0	-28.0	0.57 (2)	10.00					
K-J	0 / 0	-28.0	-28.0	0.21 (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, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2012, BCBC 2012, ABC 2014
- CSA 088-09
- 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 (1.05")
CALCULATED VERT. DEFL.(LL) = L/999 (0.19")
ALLOWABLE DEFL.(TL) = L/360 (1.05")
CALCULATED VERT. DEFL.(TL) = L/999 (0.32")

CSI: TC=0.52 (G-H:1), BC=0.57 (K-L:2), WB=0.54 (H-K:1), SS=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.

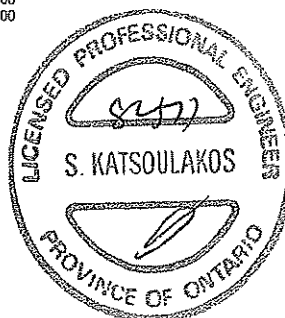
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 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= 0.77 (M) (INPUT = 1.00)

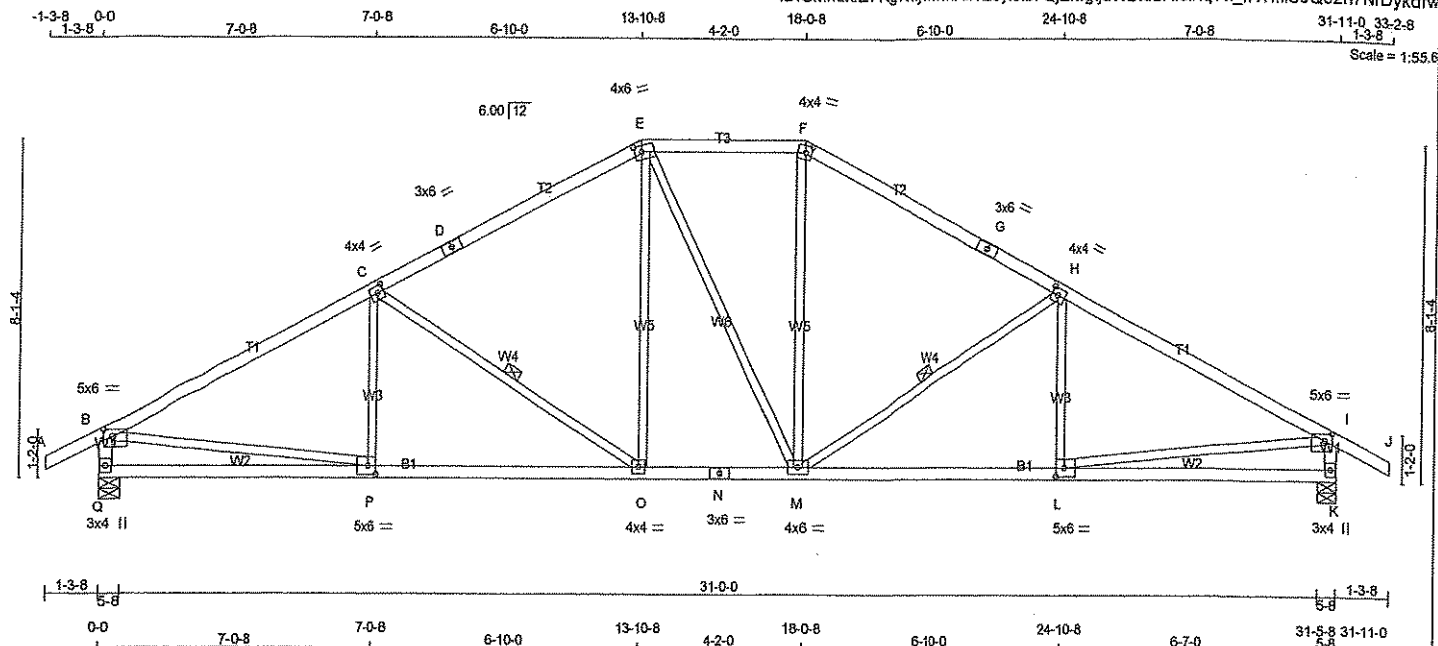


DWG NO. TAM 42894-17
STRUCTURAL

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
281188	T5	1	1	43954	

Tamarack Roof Truss, Burlington

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ID:SMnuxz7Kg7mjwMnAii126yxxbl-QjZfwgjdWBldBAI3iNqWl_hVHnf89Q32n7NrDykdvw



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 - G	2x4	DRY	No.2	SPF	
G - J	2x4	DRY	No.2	SPF	
Q - B	2x4	DRY	No.2	SPF	
K - I	2x4	DRY	No.2	SPF	
Q - N	2x4	DRY	No.2	SPF	
N - K	2x4	DRY	No.2	SPF	

ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				

DRY: SEASONED LUMBER.

PLATES (table is in inches)							
JT	TYPE	PLATES	W	LEN	Y	X	
B	TMVW-p	MT20	5.0	6.0	2.00	2.25	
C	TMVW-t	MT20	4.0	4.0	2.00	1.75	
D	TS-l	MT20	3.0	6.0			
E	TTWW-m	MT20	4.0	6.0	1.75	2.25	
F	TTW-m	MT20	4.0	4.0	2.00	1.75	
G	TS-l	MT20	3.0	6.0			
H	TMVW-t	MT20	4.0	4.0	2.00	1.75	
I	TMVW-p	MT20	5.0	6.0	2.00	2.25	
K	BMV1+p	MT20	3.0	4.0			
L	BMVW-t	MT20	5.0	6.0	2.50	2.50	
M	BMVW-t	MT20	4.0	6.0			
N	BS-l	MT20	3.0	6.0			
O	BMVW-t	MT20	4.0	4.0			
P	BMVW-t	MT20	5.0	6.0	2.50	2.50	
Q	BMV1+p	MT20	3.0	4.0			

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQRD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG
Q	VERT	DOWN	UPLIFT	IN-SX
K	1906	0	1906	0

UNFACTORED REACTIONS

1ST LCASE	MAX./MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	1548	886 / 0	335 / 0	0 / 0	0 / 0	327 / 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 = 3.53 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, H-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	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE	VERT. LOAD LC1	MEMB.	FORCE
	(LBS)	(PLF)		(LBS)
FR-TO		FROM TO	FR-TO	
A-B	0 / 26	-84.3 -84.3 0.11 (1)	P-C	-67 / 254
B-C	-2636 / 0	-84.3 -84.3 0.74 (1)	C-O	-689 / 0
C-D	-2048 / 0	-84.3 -84.3 0.63 (1)	O-E	0 / 509
D-E	-2048 / 0	-84.3 -84.3 0.63 (1)	E-M	0 / 2
E-F	-1810 / 0	-84.3 -84.3 0.23 (1)	M-F	0 / 512
F-G	-2049 / 0	-84.3 -84.3 0.63 (1)	M-H	-688 / 0
G-H	-2049 / 0	-84.3 -84.3 0.63 (1)	H-I	-69 / 253
H-I	-2636 / 0	-84.3 -84.3 0.74 (1)	I-J	0 / 2403
I-J	0 / 26	-84.3 -84.3 0.11 (1)	J-K	0 / 2403
Q-B	-1825 / 0	0.0 0.0 0.18 (1)		
K-I	-1825 / 0	0.0 0.0 0.18 (1)		
Q-P	0 / 0	-28.0 -28.0 0.35 (3)		
P-O	0 / 2386	-28.0 -28.0 0.62 (2)		
O-N	0 / 1810	-28.0 -28.0 0.39 (1)		
N-M	0 / 1810	-28.0 -28.0 0.39 (1)		
M-L	0 / 2385	-28.0 -28.0 0.62 (2)		
L-K	0 / 0	-28.0 -28.0 0.35 (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. G/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, NBC 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/380 (1.06")
CALCULATED VERT. DEFL.(LL)= L/999 (0.16")
ALLOWABLE DEFL.(TL)= L/380 (1.06")
CALCULATED VERT. DEFL.(TL)= L/999 (0.27")

CSI: TC=0.74 (B-C:1), BC=0.62 (O-P:2), WB=0.54 (B-P:1), SSI=0.26 (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

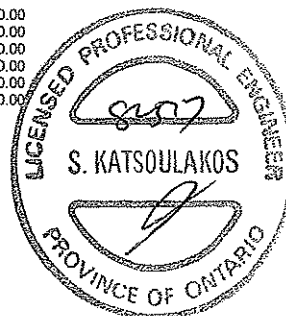
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (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 (B) (INPUT = 0.90)
JSI METAL= 0.60 (P) (INPUT = 1.00)



DWG NO. TAM42895-17
STRUCTURAL

Version 8.030 S Oct 5 2016 MTek Industries, Inc. Thu Aug 24 13:46:43 2017 Page 1
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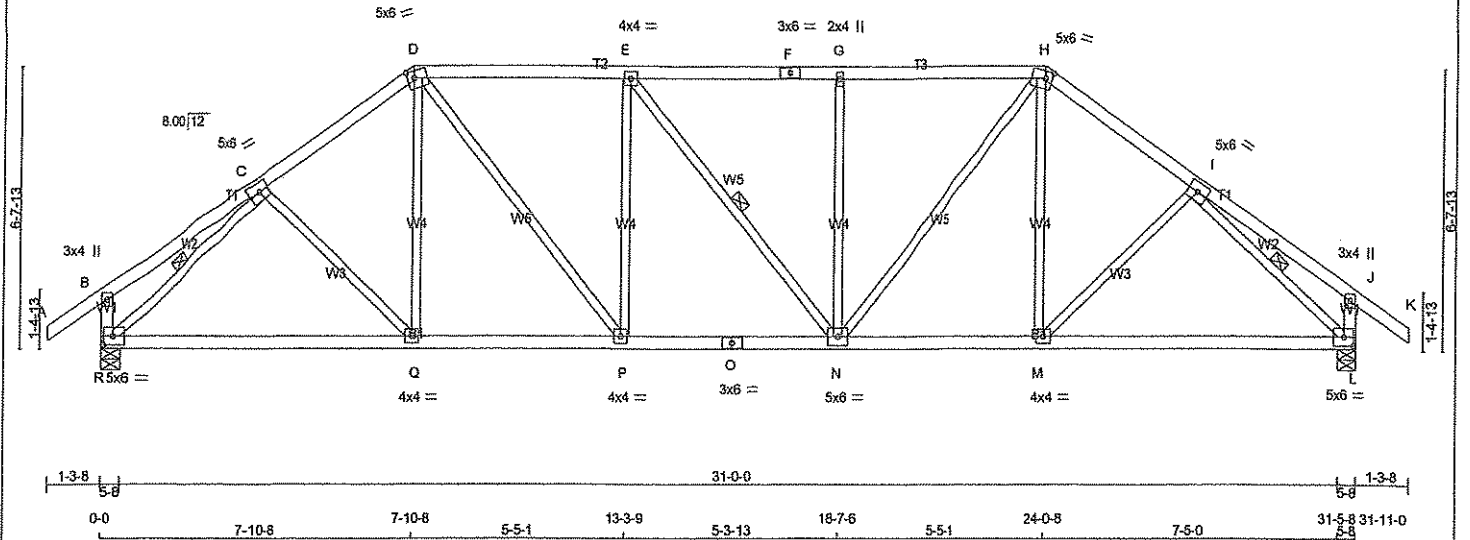
Professional Engineer Seal for S. Katsoulakos, License No. 426, Province of Ontario. The seal is circular with the text "LICENSED PROFESSIONAL ENGINEER" around the top and "PROVINCE OF ONTARIO" around the bottom. In the center, it says "S. KATSOULAKOS" and "426". There is a signature over the name and a date stamp "OCT 10 1998" at the bottom.

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
281188	T8	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 Mitek Industries, Inc. Thu Aug 24 13:46:44 2017 Page 1
ID:SMnuxrZ7Kg?mjwMnAl126yxb1-uv7170tMOqJ9ELIUdQu33zWxsg7TtdCCGRtwNfykdrv

-1-3-8 0-0 4-0-8 4-0-8 3-10-0 7-10-8 5-5-1 13-3-9 5-3-13 18-7-6 5-5-1 24-0-8 3-10-0 27-10-8 4-0-8 31-11-0 33-2-8 1-3-8
Scale = 1:54.6



LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
F - H	2x4	DRY	No.2
H - K	2x4	DRY	No.2
R - B	2x4	DRY	No.2
L - J	2x4	DRY	No.2
R - O	2x4	DRY	No.2
O - L	2x4	DRY	No.2
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	5.0	6.0 2.00 2.00
E	TMWW-t	MT20	4.0	4.0
F	TS-t	MT20	3.0	6.0
G	TMWW+w	MT20	2.0	4.0
H	TTWW-m	MT20	5.0	6.0 2.00 2.00
I	TMWW-t	MT20	5.0	6.0
J	TMV+p	MT20	3.0	4.0
L	BMVW1-t	MT20	5.0	6.0 2.50 2.75
M, P, Q				
M	BMVW1-t	MT20	4.0	4.0
N	BMVW1-t	MT20	5.0	6.0
O	BS-t	MT20	3.0	6.0
R	BMVW1-t	MT20	5.0	6.0 2.50 2.75

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS REACTION	GROSS REACTION	GROSS REACTION	GROSS REACTION	BRG	BRG	BRG	BRG
R	1907	0	1907	0	0	5-8	5-8	5-8	5-8
L	1907	0	1907	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
R	1549	887 / 0	335 / 0	0 / 0	0 / 0	327 / 0	0 / 0	0 / 0
L	1549	887 / 0	335 / 0	0 / 0	0 / 0	327 / 0	0 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.14 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.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-N, C-R, I-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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	MAX. FACTORED CSI (LC)
FR-TO		FROM TO		FR-TO			
A-B	0 / 32	-84.3 -84.3	0.11 (1)	10.00	C-Q	0 / 153	0.03 (3)
B-C	0 / 19	-84.3 -84.3	0.19 (1)	10.00	Q-D	0 / 305	0.07 (2)
C-D	-2063 / 0	-84.3 -84.3	0.28 (1)	4.48	D-P	0 / 813	0.18 (1)
D-E	-2228 / 0	-84.3 -84.3	0.44 (1)	4.14	P-E	-489 / 0	0.36 (1)
E-F	-2227 / 0	-84.3 -84.3	0.44 (1)	4.14	E-N	-2 / 0	0.00 (1)
F-G	-2227 / 0	-84.3 -84.3	0.44 (1)	4.14	N-G	-488 / 0	0.36 (1)
G-H	-2227 / 0	-84.3 -84.3	0.44 (1)	4.14	H-N	0 / 810	0.18 (1)
H-I	-2063 / 0	-84.3 -84.3	0.28 (1)	4.48	M-H	0 / 308	0.07 (2)
I-J	0 / 19	-84.3 -84.3	0.19 (1)	10.00	M-I	0 / 153	0.03 (3)
J-K	0 / 32	-84.3 -84.3	0.11 (1)	10.00	R-C	-2287 / 0	0.51 (1)
R-B	-246 / 0	0.0 0.0	0.03 (1)	7.81	I-L	-2288 / 0	0.51 (1)
L-J	-246 / 0	0.0 0.0	0.03 (1)	7.81			
R-Q	0 / 1665	-28.0 -28.0	0.57 (2)	10.00			
Q-P	0 / 1700	-28.0 -28.0	0.58 (2)	10.00			
P-O	0 / 2229	-28.0 -28.0	0.44 (1)	10.00			
O-N	0 / 2229	-28.0 -28.0	0.44 (1)	10.00			
N-M	0 / 1701	-28.0 -28.0	0.59 (2)	10.00			
M-L	0 / 1686	-28.0 -28.0	0.57 (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 088-09
- 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 (1.06")
CALCULATED VERT. DEFL.(LL) = L/999 (0.18")
ALLOWABLE DEFL.(TL) = L/360 (1.06")
CALCULATED VERT. DEFL.(TL) = L/999 (0.30")

CSI: TC=0.44 (D-E:1), BC=0.59 (M-N:2), WB=0.51 (I-L: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

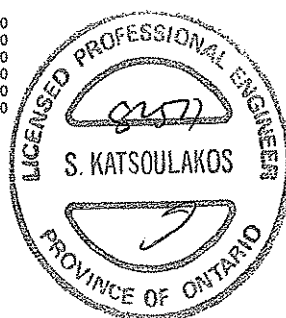
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

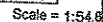
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (C) (INPUT = 0.90)
JSI METAL= 0.69 (O) (INPUT = 1.00)

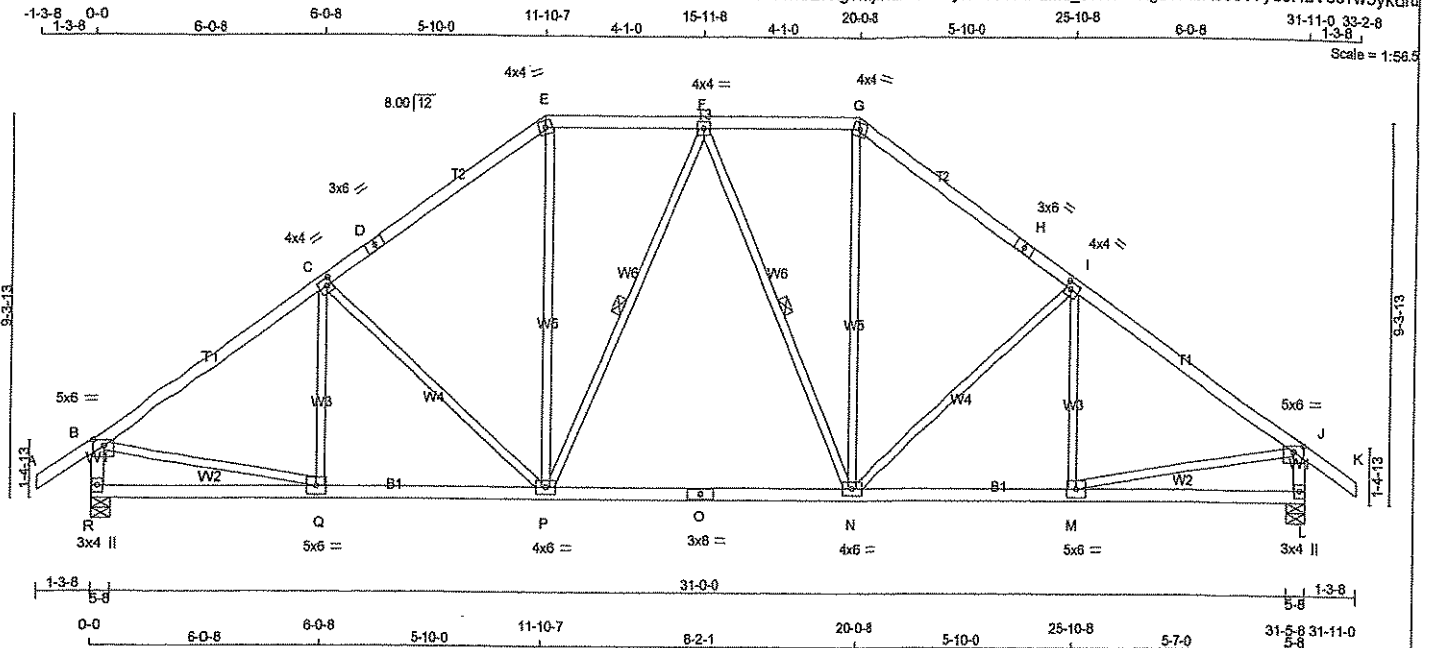


DWONG, TAM 4289717
STRUCTURAL

Version 8.030 S Oct 5 2016 M&T&K Industries, Inc. Thu Aug 24 13:46:44 2017 Page 1
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DWONG, TAM 42898-17
STRUCTURAL



LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR
A - D	2x4	DRY	No.2
D - E	2x4	DRY	No.2
E - G	2x4	DRY	No.2
G - H	2x4	DRY	No.2
H - K	2x4	DRY	No.2
R - B	2x4	DRY	No.2
L - J	2x4	DRY	No.2
R - O	2x4	DRY	No.2
O - L	2x4	DRY	No.2

ALL WEBS 2x3 DRY
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMWW-p	MT20	5.0	6.0	1.75 3.00
C	TMWW-t	MT20	4.0	4.0	2.00 1.50
D	TS-t	MT20	3.0	6.0	
E	TTW-m	MT20	4.0	4.0	
F	TMWW-t	MT20	4.0	4.0	
G	TTW-m	MT20	4.0	4.0	
H	TS-t	MT20	3.0	6.0	
I	TMWW-t	MT20	4.0	4.0	2.00 1.50
J	TMWW-p	MT20	5.0	6.0	1.75 3.00
L	BMV-t+p	MT20	3.0	4.0	
M	BMWW-t	MT20	5.0	6.0	
N	BMWWWW-t	MT20	4.0	6.0	
O	BS-t	MT20	3.0	8.0	
P	BMWWWW-t	MT20	4.0	6.0	
Q	BMWW-t	MT20	5.0	6.0	
R	BMV-t+p	MT20	3.0	4.0	

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

<u>BEARINGS</u>							
	FACTORED		MAXIMUM FACTORED		INPUT	REQRD	
	GROSS REACTION		GROSS REACTION		BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
R	1907	0	1907	0	0	5-8	5-8
L	1907	0	1907	0	0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	1549	887 / 0	335 / 0	0 / 0	0 / 0	327 / 0	0 / 0
L	1549	887 / 0	335 / 0	0 / 0	0 / 0	327 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.19 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-P, F-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					WEBS				
MAX. FACTORED		FACTORED				MAX. FACTORED			
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1	MAX CSI (LC)	MAX. UNBRAC	MEMB.	FORCE (LBS)	MAX CSI (LC)	
FR-TO		FROM	TO		LENGTH	FR-TO			
A-B	0 / 32	-84.3	-84.3	0.11 (1)	10.00	Q-C	-150 / 148	0.07 (1)	
B-C	-2133 / 0	-84.3	-84.3	0.49 (1)	4.19	C-P	-410 / 0	0.52 (1)	
C-D	-1829 / 0	-84.3	-84.3	0.45 (1)	4.49	P-E	0 / 875	0.15 (1)	
D-E	-1829 / 0	-84.3	-84.3	0.45 (1)	4.49	P-F	-224 / 0	0.16 (1)	
E-F	-1499 / 0	-84.3	-84.3	0.19 (1)	5.18	F-N	-224 / 0	0.16 (1)	
F-G	-1500 / 0	-84.3	-84.3	0.19 (1)	5.18	N-G	0 / 875	0.15 (1)	
G-H	-1829 / 0	-84.3	-84.3	0.45 (1)	4.49	N-I	-410 / 0	0.52 (1)	
H-I	-1829 / 0	-84.3	-84.3	0.45 (1)	4.49	M-I	-149 / 148	0.07 (1)	
I-J	-2134 / 0	-84.3	-84.3	0.49 (1)	4.19	B-Q	0 / 1831	0.41 (1)	
J-K	0 / 32	-84.3	-84.3	0.11 (1)	10.00	M-J	0 / 1831	0.41 (1)	
R-B	-1835 / 0	0.0	0.0	0.19 (1)	6.18				
L-J	-1835 / 0	0.0	0.0	0.19 (1)	6.18				
R-Q	0 / 0	-28.0	-28.0	0.21 (3)	10.00				
Q-P	0 / 1802	-28.0	-28.0	0.51 (2)	10.00				
P-O	0 / 1590	-28.0	-28.0	0.48 (2)	10.00				
O-N	0 / 1590	-28.0	-28.0	0.48 (2)	10.00				
N-M	0 / 1803	-28.0	-28.0	0.51 (2)	10.00				
M-L	0 / 0	-28.0	-28.0	0.21 (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 (1.06")
CALCULATED VERT. DEFL.(LL) = L/999 (0.15")
ALLOWABLE DEFL.(TL)= L/360 (1.06")
CALCULATED VERT. DEFL.(TL) = L/999 (0.25")

CSI: TC=0.49 (I-J:1), BC=0.51 (M-N:2), WB=0.52 (I-N:1), SS=0.20 (I-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

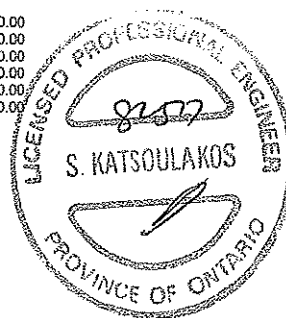
PLATE	GRIP(DRY)		SHEAR		SECTION	
	(PSI)		(PLI)		(PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. ≈ 5.0 Deg.

JSI GRIP= 0.85 (J) (INPUT = 0.90)

JSI METAL= 0.68 (O) (INPUT = 1.00)



DW6 NO. TAM 42899-17
STRUCTURAL

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	43954	DRWG NO.
281188	T11	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:SMnuxrZ7Kg?mjwMnAli126yfxbl-M5hPLMu 98R0sVKgB7PIbA39Q4Qnc6dLV5cTw5ykdr

HANGERS NOTES

- 1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 473.9 lbs FACTORED DOWN AT 5-10-7, 101.4 lbs FACTORED DOWN AT 7-11-4, AND 101.4 lbs FACTORED DOWN AT 9-11-4, AND 101.4 lbs FACTORED DOWN AT 11-10-4 ON TOP CHORD, AND 87.4 lbs FACTORED DOWN AT 1-11-4, 87.4 lbs FACTORED DOWN AT 3-11-4, 71.7 lbs FACTORED DOWN AT 5-11-4, 71.7 lbs FACTORED DOWN AT 7-11-4, 71.7 lbs FACTORED DOWN AT 9-11-4, AND 71.7 lbs FACTORED DOWN AT 11-10-4, AND 1855.0 lbs FACTORED DOWN AT 12-2-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
Z	9-11-4	-41	-72	—	BACK	VERT	TOTAL



DWG NO. TAM 42900-17
STRUCTURAL

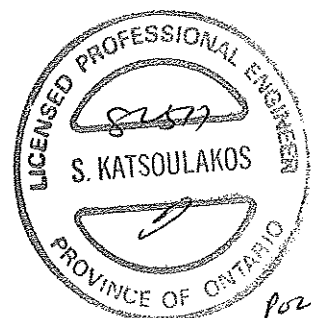
JOB NAME 281189	TRUSS NAME T11Z	QUANTITY 1	PLY 2	JOB DESC. 43954 TRUSS DESC.	DRWG NO.
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HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 101.4 lbs FACTORED DOWN AT 12-5-8, 101.4 lbs FACTORED DOWN AT 14-5-8, AND 101.4 lbs FACTORED DOWN AT 16-5-8, AND 101.4 lbs FACTORED DOWN AT 18-5-8 ON TOP CHORD, AND 1130.5 lbs FACTORED DOWN AT 11-6-8, 71.7 lbs FACTORED DOWN AT 12-6-8, 71.7 lbs FACTORED DOWN AT 14-5-8, 71.7 lbs FACTORED DOWN AT 16-5-8, AND 71.7 lbs FACTORED DOWN AT 18-5-8, AND 1343.7 lbs FACTORED DOWN AT 19-4-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
AA	18-5-8	-41	-72	---	BACK	VERT	TOTAL
AB	18-5-8	-41	-72	---	BACK	VERT	TOTAL
AC	19-4-8	-1344	-1344	---	BACK	VERT	TOTAL



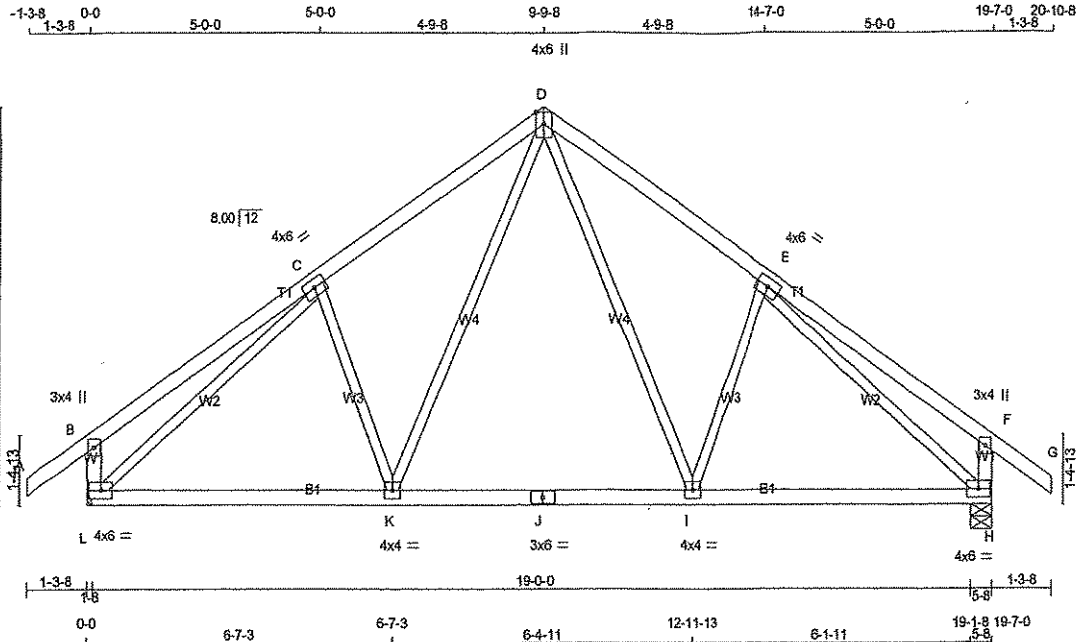
DWG NO. TAM 42905-17
STRUCTURAL COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	43954	DRWG NO.
281188	T12	4	1	TRUSS DESC.		

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Scale = 1:40.4

TOTAL WEIGHT = 4 X 85 = 342 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF	
D - G	2x4	DRY	No.2	SPF	
L - B	2x4	DRY	No.2	SPF	
H - F	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	TMVW-1	MT20	4.0	6.0		
D	TTVW+p	MT20	4.0	6.0	Edge	
E	TMVW-1	MT20	4.0	6.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVW-1	MT20	4.0	6.0		
I	BMVW-1	MT20	4.0	4.0		
J	BS-1	MT20	3.0	6.0		
K	BMVW-1	MT20	4.0	4.0		
L	BMVW-1	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	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
JT	1215	0	1215	0	0	0
L	1215	0	1215	0	0	0
H	1215	0	1215	0	0	0

UNFACTORED REACTIONS

JT	1ST CASE		MAX/MIN COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
L	981	571 / 0	206 / 0	0 / 0	0 / 0	204 / 0	0 / 0
H	981	571 / 0	206 / 0	0 / 0	0 / 0	204 / 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 = 5.74 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.

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED	FACTORED			MEMB.	MAX. FACTORED	FACTORED		
	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	MAX. UNBRACED LENGTH		FORCE (LBS)	MAX. CSI (LC)		
FR-TO		FROM	TO		FR-TO		FROM	TO	
A-B	0 / 32	-84.3	-84.3	0.11 (1)	10.00	D-I	0 / 466	0.10 (1)	
B-C	0 / 27	-84.3	-84.3	0.33 (1)	10.00	I-E	-249 / 50	0.09 (1)	
C-D	-1089 / 0	-84.3	-84.3	0.27 (1)	5.74	K-D	0 / 466	0.10 (1)	
D-E	-1089 / 0	-84.3	-84.3	0.27 (1)	5.74	C-K	-249 / 50	0.09 (1)	
E-F	0 / 27	-84.3	-84.3	0.33 (1)	10.00	L-C	-1305 / 0	0.98 (1)	
F-G	0 / 32	-84.3	-84.3	0.11 (1)	10.00	E-H	-1305 / 0	0.98 (1)	
L-B	-272 / 0	0.0	0.0	0.03 (1)	7.81				
H-F	-272 / 0	0.0	0.0	0.03 (1)	7.81				
L-K	0 / 976	-28.0	-28.0	0.38 (2)	10.00				
K-J	0 / 703	-28.0	-28.0	0.38 (2)	10.00				
J-I	0 / 703	-28.0	-28.0	0.38 (2)	10.00				
I-H	0 / 976	-28.0	-28.0	0.38 (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

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 088-09
- 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 (0.65")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.65")
CALCULATED VERT. DEFL.(TL) = L/999 (0.13")

CSI: TC=0.33 (E-F:1), BC=0.38 (K-L:2), WB=0.98 (C-L:1), SSI=0.17 (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.

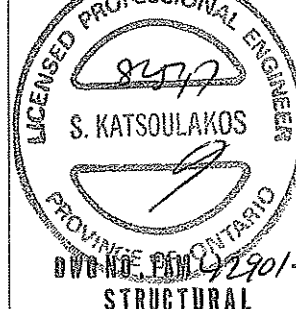
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

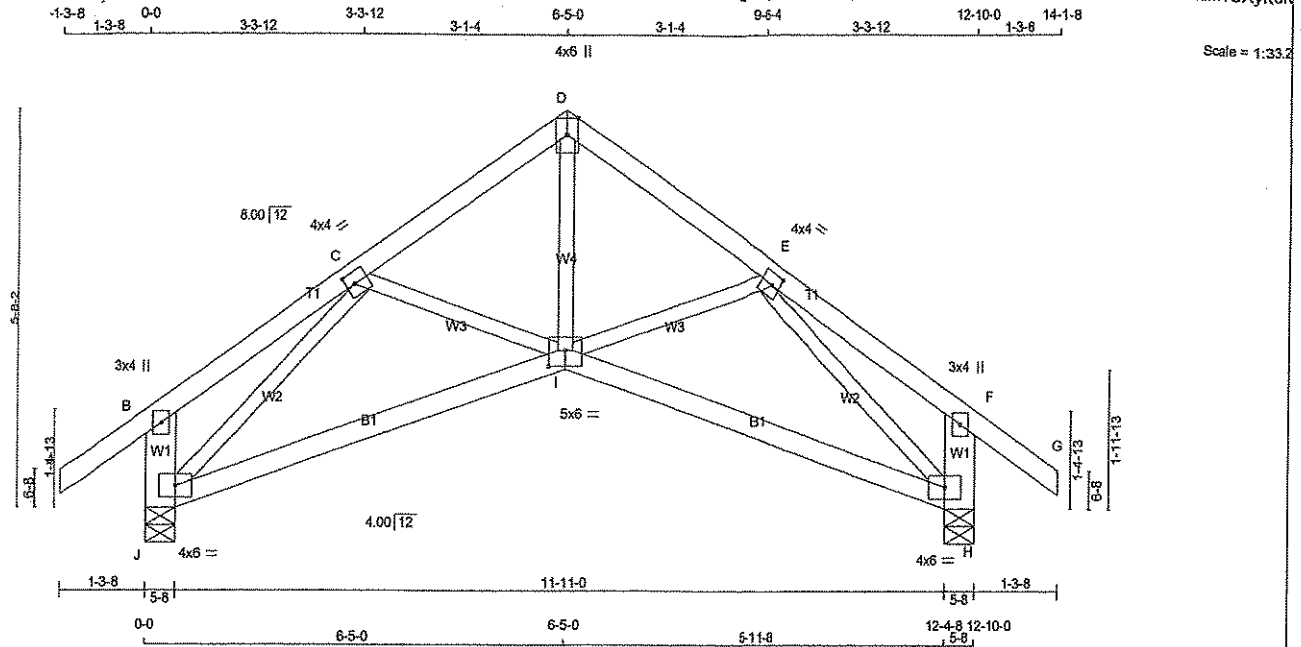
JSI GRIP = 0.90 (C) (INPUT = 0.90)
JSI METAL = 0.34 (C) (INPUT = 0.90)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	43954	DRWG NO.
281188	T13S	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 55 = 111 lb

LUMBER				DESCR.	
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	2x6	DRY	No.2	SPF	
H - F	2x6	DRY	No.2	SPF	
J - I	2x4	DRY	No.2	SPF	
I - 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	6.0	Edge	
E	TMWW-t	MT20	4.0	4.0	2.00	1.50
F	TMV+p	MT20	3.0	4.0		
H	BVMW1-p	MT20	4.0	6.0		
I	BBWWV-p	MT20	5.0	6.0	2.75	3.00
J	BVMW1-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							
	FACTORED	MAXIMUM FACTORED		INPUT	REQD		
	GROSS REACTION	GROSS REACTION	DOWN	BRG	BRG	IN-SX	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	
J	836	0	836	0	0	5-8	5-8
H	836	0	836	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	670	399 / 0	135 / 0	0 / 0	0 / 0	137 / 0	0 / 0
H	670	399 / 0	135 / 0	0 / 0	0 / 0	137 / 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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (1)	MAX. LC2 (1)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 (1)
FR-TO		FROM	TO	LENGTH	FR-TO		
A-B	0 / 32	-84.3	-84.3	0.11 (1)	10.00	I-D	0 / 700
B-C	0 / 15	-84.3	-84.3	0.12 (1)	10.00	I-E	-46 / 80
C-D	-840 / 0	-84.3	-84.3	0.10 (1)	6.25	C-I	-46 / 80
D-E	-840 / 0	-84.3	-84.3	0.10 (1)	6.25	J-C	-1057 / 0
E-F	0 / 15	-84.3	-84.3	0.12 (1)	10.00	E-H	-1057 / 0
F-G	0 / 32	-84.3	-84.3	0.11 (1)	10.00		
J-B	-225 / 0	0.0	0.0	0.02 (1)	7.81		
H-F	-225 / 0	0.0	0.0	0.02 (1)	7.81		
J-I	0 / 770	-28.0	-28.0	0.42 (2)	10.00		
I-H	0 / 770	-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, NBC 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 (0.43")
CALCULATED VERT. DEFL.(LL) = L/999 (0.13")
ALLOWABLE DEFL.(TL)= L/360 (0.43")
CALCULATED VERT. DEFL.(TL) = L/739 (0.21")

CSI: TC=0.12 (E-F:1), BC=0.42 (I-J:2), WB=0.34 (E-H:1), SSI=0.12 (I-J:2)

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

PLATE PLACEMENT TOL. = 0.250 inches

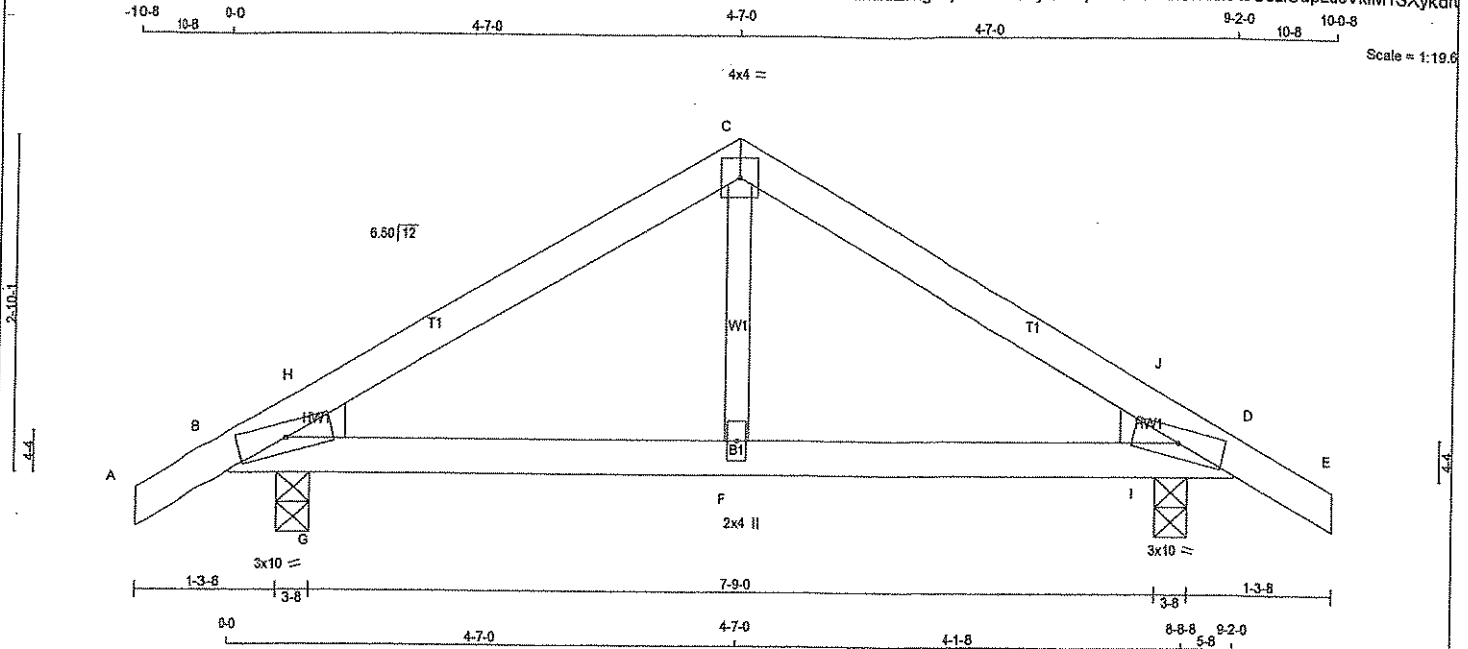
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.82 (E) (INPUT = 0.90)
JSI METAL= 0.38 (C) (INPUT = 1.00)



DWG NO. TAM 42902-17
STRUCTURAL

JOB NAME 281188	TRUSS NAME T14	QUANTITY 1	PLY 1	JOB DESC. 43954	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.030 S Oct 5 2018 Hitek Industries, Inc. Thu Aug 24 13:46:46 2017 Page 1 ID:SMnuxrZ7Kg?mjwMnAlf126ykb1-qfFnYvzwRZiUvtnX8OcLIUpLdcVkiM1SxYkdr	



TOTAL WEIGHT = 28 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-m	MT20	3.0	10.0
C	TTW-p	MT20	4.0	4.0
D	TMBH1-m	MT20	3.0	10.0
F	BMW-w	MT20	2.0	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	HEEL WEDGE
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	
B	594	0	594	0	0	3-8
D	594	0	594	0	0	3-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
B	476	283 / 0	96 / 0	0 / 0	0 / 0	97 / 0	0 / 0	0 / 0
D	476	283 / 0	96 / 0	0 / 0	0 / 0	97 / 0	0 / 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		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	MEMB.	FORCE (LBS)	MAX	CSI (LC)
FR-TO		FROM	TO	FR-TO			
A-B	0 / 18	-84.3	-84.3	0.05 (1)	10.00		
B-H	-596 / 0	-84.3	-84.3	0.04 (3)	6.25		
H-C	-593 / 0	-84.3	-84.3	0.19 (1)	6.25		
C-J	-593 / 0	-84.3	-84.3	0.19 (1)	6.25		
J-D	-596 / 0	-84.3	-84.3	0.04 (3)	6.25		
D-E	0 / 18	-84.3	-84.3	0.05 (1)	10.00		
B-G	0 / 520	-28.0	-28.0	0.27 (1)	10.00		
G-F	0 / 520	-28.0	-28.0	0.27 (1)	10.00		
F-I	0 / 520	-28.0	-28.0	0.27 (1)	10.00		
I-D	0 / 520	-28.0	-28.0	0.27 (1)	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. CIC

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, CBC 2012, ABC 2014
- CSA 088-09
- 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) = $L/360$ (0.31")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.03")
ALLOWABLE DEFL.(TL) = $L/360$ (0.31")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.04")

CSI: TC=0.19 (C-J:1), BC=0.27 (F-I:1), WB=0.06 (C-F:2), SS=0.15 (D-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) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 822 2264 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.33 (C) (INPUT = 0.90)
JSI METAL= 0.11 (F) (INPUT = 1.00)

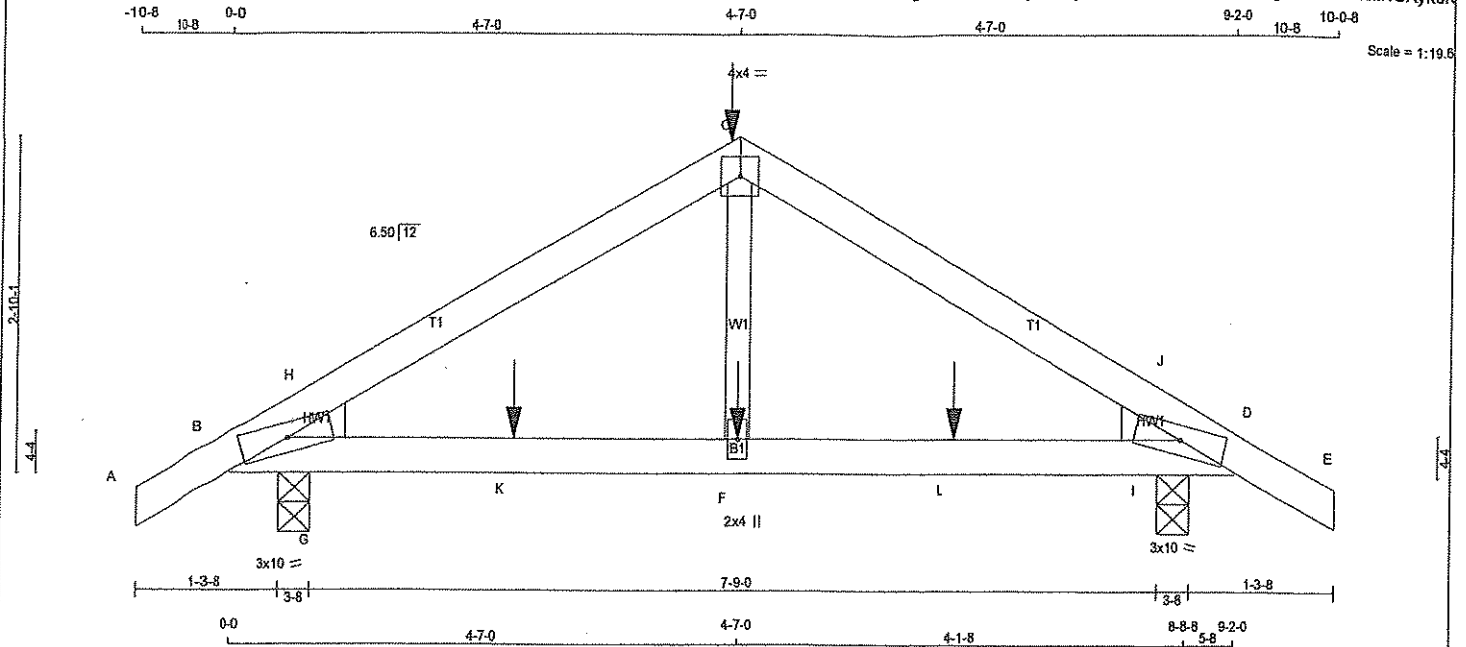


DRWG NO. TAM 4240317
CTB107HDA1

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	43854	DRWG NO.
281188	T14Z	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.030 S Oct 5 2016 M/Tek Industries, Inc. Thu Aug 24 13:46:46 2017 Page 1
ID:SMnuxrZ7Kg?mjwMnAli126ykb1-qIFnYivcwRZtUfvtknX8OckgUuJLdOVkIM1SXykdrt



TOTAL WEIGHT = 28 lb

LUMBER				
N. L. G. A. RULES				
CHORDS	SIZE	LUMBER	DESCR.	SPF
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-m	MT20	3.0	10.0
C	TTW-p	MT20	4.0	4.0
D	TMBH1-m	MT20	3.0	10.0
F	BMW+w	MT20	2.0	4.0

HANGERS NOTES
1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 14.6 lbs FACTORED DOWN AT 4-7-0 ON TOP CHORD, AND 14.1 lbs FACTORED DOWN AT 2-7-0, AND 14.1 lbs FACTORED DOWN AT 4-7-0, AND 14.1 lbs FACTORED DOWN AT 6-7-0 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	MAXIMUM FACTORED	INPUT	REQD					
	GROSS REACTION	GROSS REACTION	BRG	BRG	HEEL				
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	WEDGE	
B	613	0	613	0	0	3-8	3-8	2x4 L	
D	613	0	613	0	0	3-8	3-8	2x4 R	

UNFACTORED REACTIONS							
JT	1ST LOASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	496	287 / 0	105 / 0	0 / 0	0 / 0	104 / 0	0 / 0
D	496	287 / 0	105 / 0	0 / 0	0 / 0	104 / 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					WEBS				
MEMB.	MAX. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	
FR-TO		FROM TO			FR-TO				
A-B	0 / 18	-84.3	-84.3	0.06 (1)	10.00	F-C	0 / 317	0.08 (2)	
B-H	-632 / 0	-84.3	-84.3	0.06 (3)	6.25	G-H	-184 / 59	0.00 (1)	
H-C	-628 / 0	-84.3	-84.3	0.23 (1)	6.25	I-J	-184 / 59	0.00 (1)	
C-J	-628 / 0	-84.3	-84.3	0.23 (1)	6.25				
J-D	-632 / 0	-84.3	-84.3	0.06 (3)	6.25				
D-E	0 / 18	-84.3	-84.3	0.06 (1)	10.00				
B-G	0 / 551	-28.0	-28.0	0.31 (1)	10.00				
G-K	0 / 551	-28.0	-28.0	0.31 (1)	10.00				
K-F	0 / 551	-28.0	-28.0	0.31 (1)	10.00				
F-L	0 / 551	-28.0	-28.0	0.31 (1)	10.00				
L-I	0 / 551	-28.0	-28.0	0.31 (1)	10.00				
I-D	0 / 551	-28.0	-28.0	0.31 (1)	10.00				

FACTORED CONCENTRATED LOADS (LBS)					
JT	LOC.	LC1	MAX-	MAX+	FACE
C	4-7-0	-15	-15	---	BACK
F	4-7-0	-8	-14	---	BACK
K	2-7-0	-8	-14	---	BACK
L	6-7-0	-8	-14	---	BACK

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. G/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 (0.31")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.31")
CALCULATED VERT. DEFL.(TL) = L/999 (0.04")

CSI: TC=0.23 (C-H:1), BC=0.31 (F-G:1), WB=0.08 (C-F:2), SI=0.16 (B-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

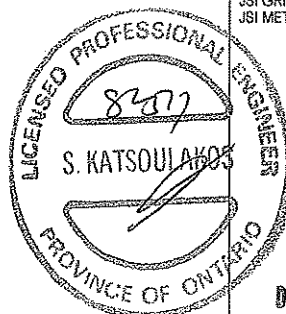
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

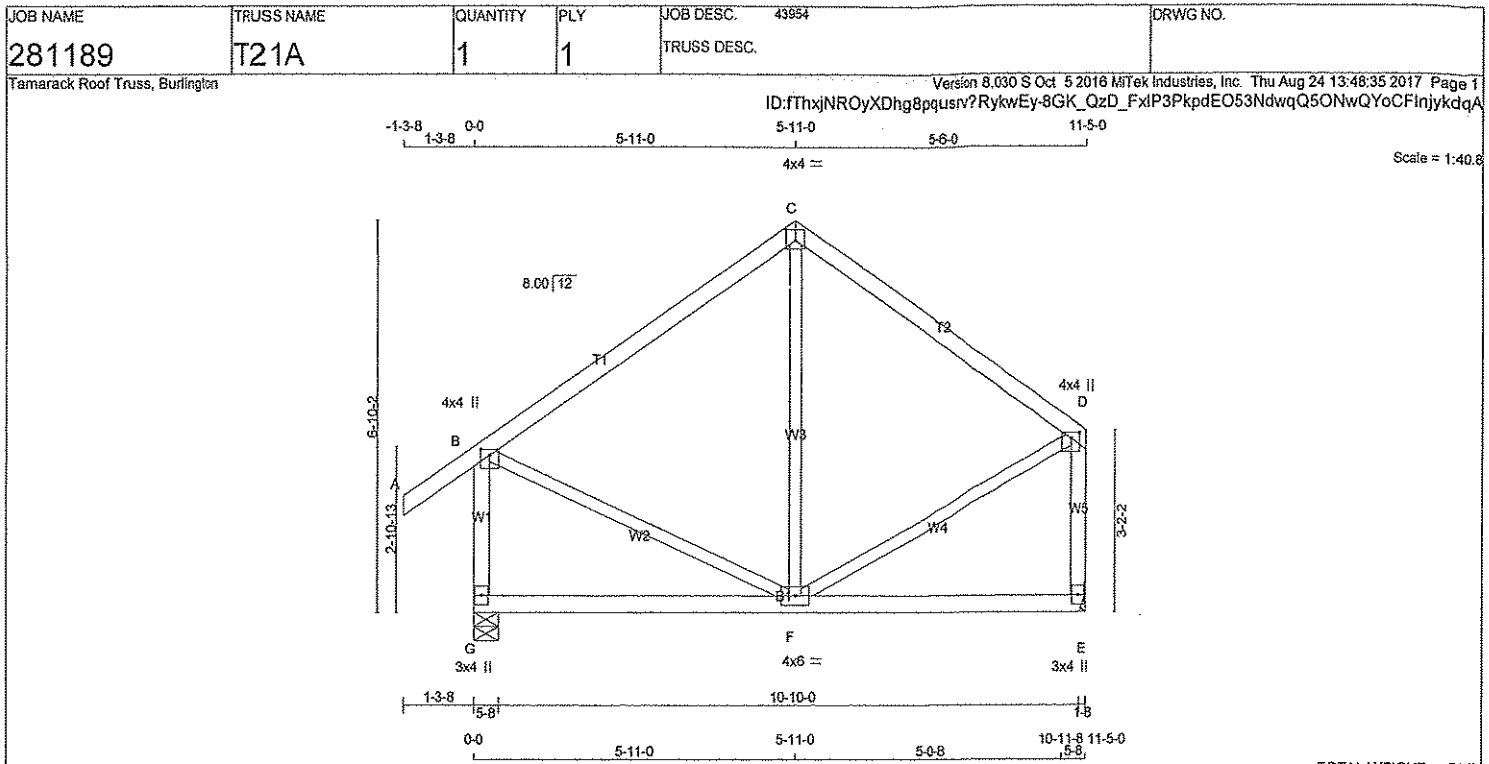
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.36 (C) (INPUT = 0.90)
JSI METAL= 0.12 (F) (INPUT = 1.00)



DWG NO. TAM 42904-17
STRUCTURAL



LUMBER			
N. L. G. A. RULES	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 2x3 DRY No.2 SPF EXCEPT

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	BMVWW-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		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS	REACTION	DOWN	HORZ	BRG	BRG	IN-SX	IN-SX
G	756	0	756	0	0	5-8	5-8		
E	641	0	641	0	0				

HANGER BY OTHERS
MIN. SEAT SIZE: 1-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN	COMPONENT REACTIONS	WIND	DEAD	SOIL
G	COMBINED	SNOW	LIVE	PERM.LIVE	0/0	122/0
E	605	382/0	120/0	0/0	0/0	0/0
	526	282/0	120/0	0/0	0/0	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: (4)

CHORDS		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX (PLF)	MEMB.	FORCE (LBS)	MAX. (LBS)	MAX. (LBS)
FR-TO		FROM	TO	FR-TO			
A-B	0/32	-84.3	-84.3 0.11 (1)	10.00	F-C	-85/185	0.07 (1)
B-C	-357/0	-84.3	-84.3 0.38 (1)	6.25	B-F	0/324	0.07 (1)
C-D	-357/0	-84.3	-84.3 0.33 (1)	6.25	F-D	0/335	0.08 (1)
G-B	-692/0	0.0	0.0 0.11 (1)	7.81			
E-D	-584/0	0.0	0.0 0.10 (1)	7.81			
G-F	0/0	-28.0	-28.0 0.27 (3)	10.00			
F-E	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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, CBC 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) = $L/360$ (0.38")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.04")
ALLOWABLE DEFL.(TL) = $L/360$ (0.38")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.08")

CSI: TC=0.38 (B-C:1), BC=0.27 (E-F:3), WB=0.08 (D-F:1), SSI=0.16 (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)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX	MIN	MAX	MIN
MT20	618	354	1667
	822	2284	1656

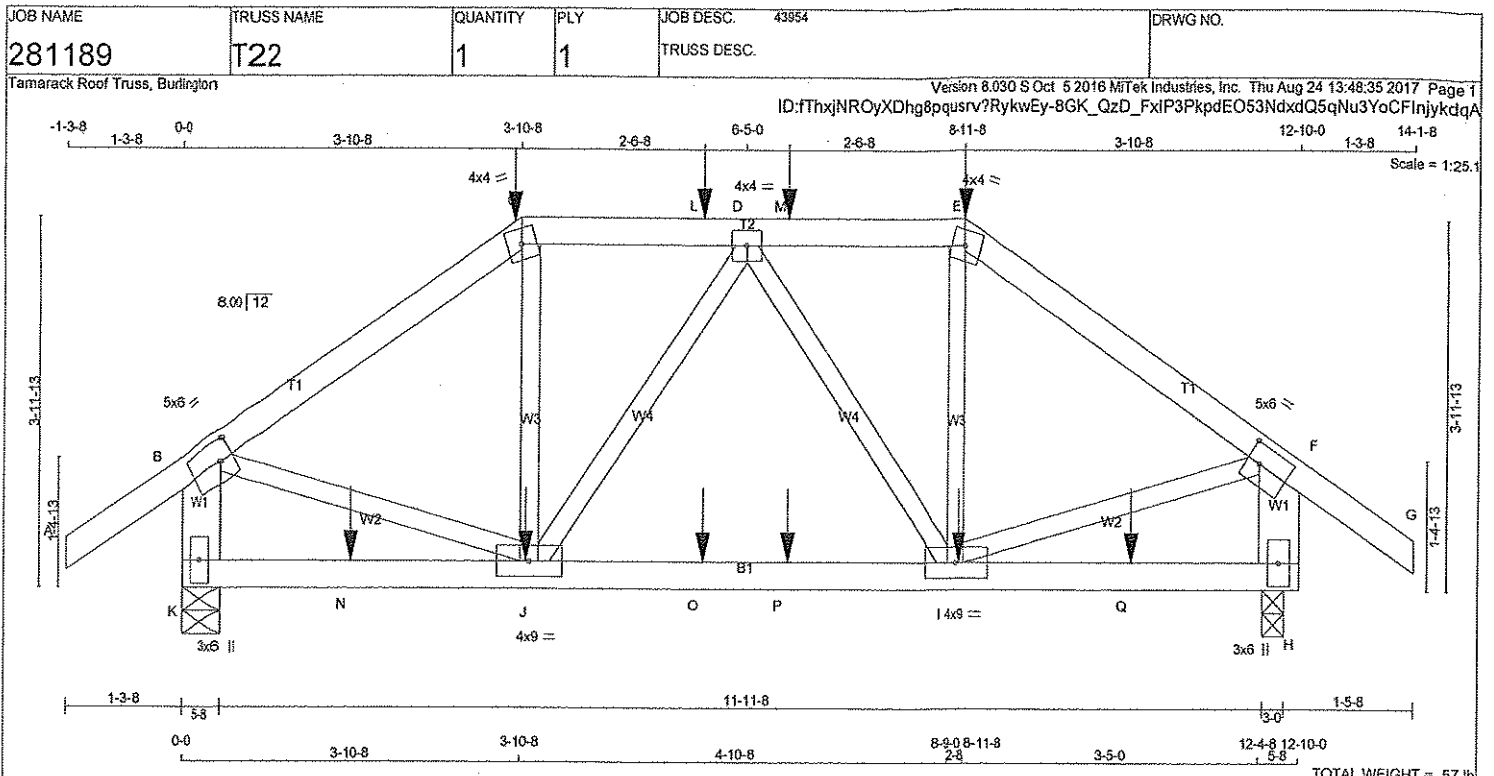
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.49 (B) (INPUT = 0.90)
JSI METAL= 0.13 (B) (INPUT = 1.00)



DWG NO. TAM 4290-17
STRUCTURAL
COMPONENT ONLY



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
E - G	2x4	DRY	No.2
K - B	2x6	DRY	No.2
H - F	2x6	DRY	No.2
K - H	2x4	DRY	No.2

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

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	1.75
C	TTW-m	MT20	4.0	4.0		
D	TMVW-t	MT20	4.0	4.0		
E	TTW-m	MT20	4.0	4.0		
F	TMVW-t	MT20	5.0	6.0	2.50	1.75
H	BMV1+p	MT20	3.0	6.0		
I	BMVWW-t	MT20	4.0	9.0		
J	BMVWW-t	MT20	4.0	9.0		
K	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 225.2 lbs FACTORED DOWN AT 3-10-8, 38.3 lbs FACTORED DOWN AT 5-11-4, AND 38.3 lbs FACTORED DOWN AT 8-10-12, AND 225.2 lbs FACTORED DOWN AT 8-11-8 ON TOP CHORD, AND 41.0 lbs FACTORED DOWN AT 1-11-4, 33.0 lbs FACTORED DOWN AT 3-11-4, 33.0 lbs FACTORED DOWN AT 6-10-12, AND 33.0 lbs FACTORED DOWN AT 8-10-12, AND 41.0 lbs FACTORED DOWN AT 10-10-12 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		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
K	1161	0	1161	0	5-8	5-8
H	1161	0	1161	0	3-0	3-0

UNFACTORED REACTIONS

JT	1ST LCASE		MAX/MIN COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	926	556 / 0	181 / 0	0 / 0	0 / 0	188 / 0	0 / 0
H	926	556 / 0	181 / 0	0 / 0	0 / 0	188 / 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 = 5.74 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.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC2)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC1)
FR-TO		FROM	TO	LENGTH	FR-TO		
A-B	0 / 32	-84.3	-84.3	0.12 (1)	10.00	J-C	0 / 231
B-C	-1065 / 0	-84.3	-84.3	0.26 (1)	5.74	I-E	0 / 231
C-L	-889 / 0	-84.3	-84.3	0.11 (1)	6.25	B-J	0 / 915
L-D	-889 / 0	-84.3	-84.3	0.11 (1)	6.25	I-F	0 / 915
D-M	-889 / 0	-84.3	-84.3	0.11 (1)	6.25	J-D	-191 / 0
M-E	-889 / 0	-84.3	-84.3	0.11 (1)	6.25	D-I	-191 / 0
E-F	-1065 / 0	-84.3	-84.3	0.26 (1)	5.74		
F-G	0 / 32	-84.3	-84.3	0.12 (1)	10.00		
K-B	-1108 / 0	0.0	0.0	0.08 (1)	7.81		
H-F	-1108 / 0	0.0	0.0	0.08 (1)	7.81		
K-N	0 / 0	-28.0	-28.0	0.19 (3)	10.00		
N-J	0 / 0	-28.0	-28.0	0.19 (3)	10.00		
J-O	0 / 992	-28.0	-28.0	0.30 (2)	10.00		
O-P	0 / 992	-28.0	-28.0	0.30 (2)	10.00		
P-I	0 / 992	-28.0	-28.0	0.30 (2)	10.00		
I-Q	0 / 0	-28.0	-28.0	0.19 (3)	10.00		
Q-H	0 / 0	-28.0	-28.0	0.19 (3)	10.00		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	3-10-8	-225	-225	---	FRONT	VERT	TOTAL
E	8-11-8	-225	-225	---	FRONT	VERT	TOTAL
I	8-10-12	-19	-33	---	FRONT	VERT	TOTAL
J	3-11-4	-19	-33	---	FRONT	VERT	TOTAL
L	5-11-4	-38	-38	---	FRONT	VERT	TOTAL
M	6-10-12	-38	-38	---	FRONT	VERT	TOTAL
N	1-11-4	-23	-41	---	FRONT	VERT	TOTAL
O	5-11-4	-19	-33	---	FRONT	VERT	TOTAL
P	6-10-12	-19	-33	---	FRONT	VERT	TOTAL
Q	10-10-12	-23	-41	---	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, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 088-09
- 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 (0.43")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL)= L/360 (0.43")
CALCULATED VERT. DEFL.(TL) = L/999 (0.04")

CSI: TC=0.28 (E-F:1), BC=0.30 (I-J:2), WB=0.23 (B-J:1), SSI=0.14 (D-E:1)

OOL 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.

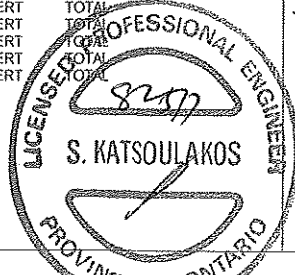
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.71 (B) (INPUT = 0.90)
JSI METAL= 0.30 (F) (INPUT = 1.00)



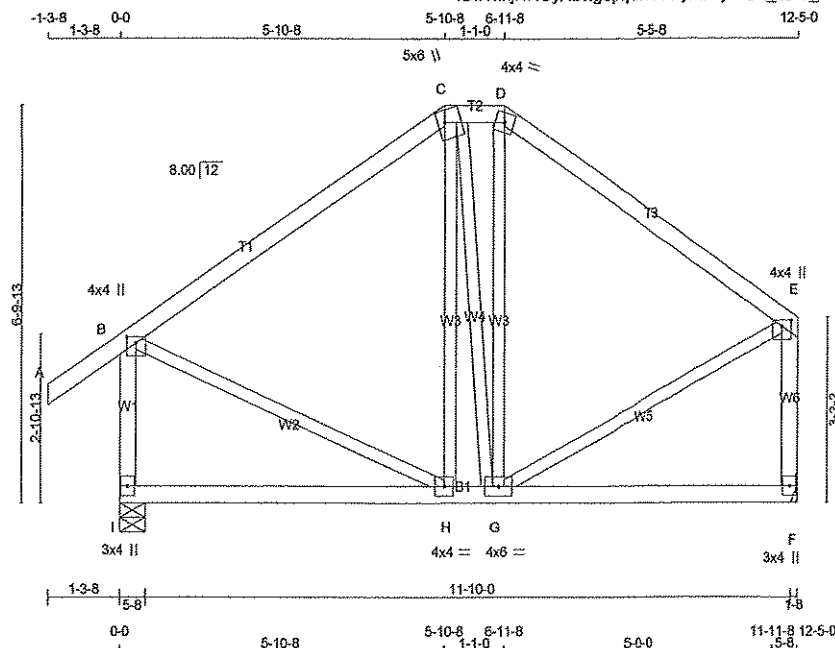
DRWG NO. TAM 42908-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	43954	DRWG NO.
281189	T23A	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID: FThxjNROyXDhg8pqusiv?RykwEy-BGK_QzD_FxIP3PkpdeO53NdwuQ5DNwFYocFInjykdqA



Scale = 1:40.1

TOTAL WEIGHT = 64 lb

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 2x3 DRY No.2 SPF

EXCEPT

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	5.0	6.0 2.50 1.50
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	BMVWW-I	MT20	4.0	6.0
H	BMVWW-I	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		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS REACTION	SNOW	GROSS REACTION	BRG	BRG	IN-SX	IN-SX	
I	813	0	813	0	0	5-8	5-8		
F	697	0	697	0	0				HANGER BY OTHERS
									MIN. SEAT SIZE: 1-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX	MIN	COMPONENT REACTIONS					
I	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL		
F	651	388 / 0	130 / 0	0 / 0	0 / 0	132 / 0	0 / 0		
	572	318 / 0	130 / 0	0 / 0	0 / 0	124 / 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 = 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		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	MEMB.	FORCE (LBS)	MAX	CSI (LC)
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 / 32	-84.3 -84.3	0.11 (1)	10.00	H-C	-20 / 135	0.03 (3)
B-C	-418 / 0	-84.3 -84.3	0.38 (1)	6.25	C-G	-42 / 0	0.03 (1)
C-D	-341 / 0	-84.3 -84.3	0.01 (1)	6.25	G-D	-47 / 101	0.04 (1)
D-E	-411 / 0	-84.3 -84.3	0.32 (1)	6.25	B-H	0 / 378	0.09 (1)
I-B	-745 / 0	0.0 0.0	0.12 (1)	7.81	G-E	0 / 384	0.09 (1)
F-E	-634 / 0	0.0 0.0	0.11 (1)	7.81			
I-H	0 / 0	-28.0 -28.0	0.24 (3)	10.00			
H-G	0 / 347	-28.0 -28.0	0.28 (2)	10.00			
G-F	0 / 0	-28.0 -28.0	0.21 (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, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 088-09
- 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/380 (0.41")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/380 (0.41")
CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSI: TC=0.38 (B-C:1), BC=0.28 (G-H:2), WB=0.09 (E-G:1), SSI=0.16 (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

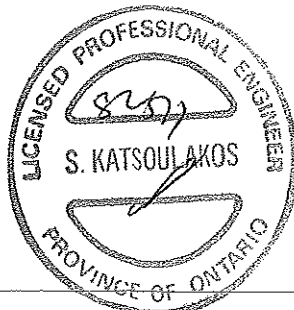
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (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= 0.52 (B) (INPUT = 0.90)
JSI METAL= 0.15 (B) (INPUT = 1.00)



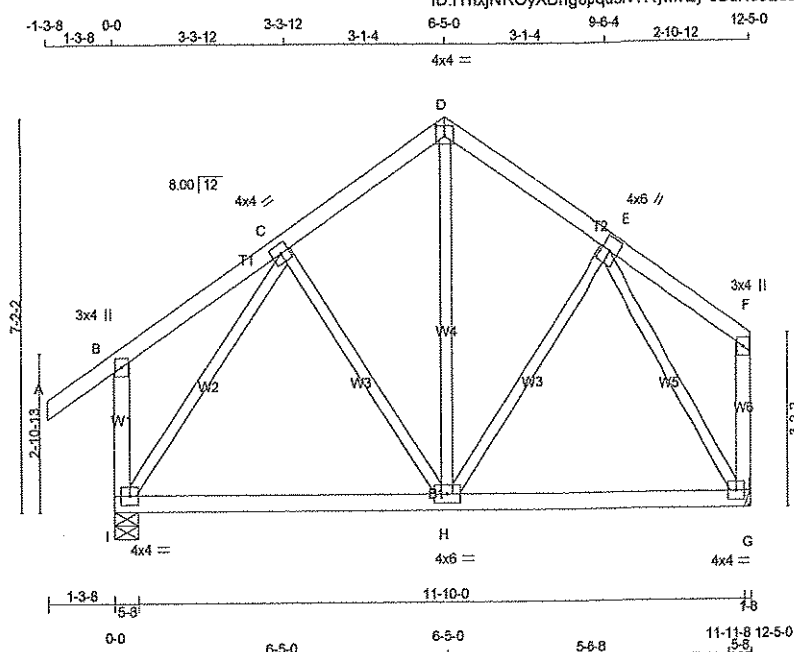
DRWG NO. TAM 42909-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	43954	DRWG NO.
281189	T24A	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:ThxjNROyXDhg8pqusv?RykwEy-cSuNeJec0EQGgYJ0BxvKba98MqPH6Jah1s?rK9ykdq9



Scale = 1:42.7

TOTAL WEIGHT = 62 lb

LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
I - B	2x4	DRY	No.2
G - F	2x4	DRY	No.2
I - G	2x4	DRY	No.2

ALL WEBS 2x3 DRY No.2
EXCEPT

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	6.0		
F	TMV+p	MT20	3.0	4.0		
G	BMWW-t	MT20	4.0	4.0		
H	BMWW-t	MT20	4.0	6.0		
I	BMWW-t	MT20	4.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
I	813	0	813	0	5-8	5-8
G	697	0	697	0	5-8	5-8

HANGER BY OTHERS
MIN. SEAT SIZE: 1-0

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	SNOW	MAX./MIN. LIVE	PERM. LIVE	WIND	DEAD	SOIL
I	651	388 / 0	130 / 0	0 / 0	0 / 0	132 / 0	0 / 0
G	572	318 / 0	130 / 0	0 / 0	0 / 0	124 / 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 = 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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH	CS (LC)
FR-TO		FROM TO		FR-TO			
A-B	0 / 32	-84.3 -84.3	0.11 (1)	10.00	C-H	-37 / 77	0.02 (1)
B-C	0 / 17	-84.3 -84.3	0.14 (1)	10.00	H-D	0 / 266	0.06 (2)
C-D	-418 / 0	-84.3 -84.3	0.11 (1)	6.25	H-E	0 / 97	0.02 (3)
D-E	-418 / 0	-84.3 -84.3	0.09 (1)	6.25	I-C	-633 / 0	0.34 (1)
E-F	0 / 17	-84.3 -84.3	0.12 (1)	10.00	E-G	-637 / 0	0.31 (1)
I-B	-219 / 0	0.0	0.03 (1)	7.81			
G-F	-65 / 0	0.0	0.01 (1)	7.81			
I-H	0 / 355	-28.0 -28.0	0.35 (2)	10.00			
H-G	0 / 323	-28.0 -28.0	0.35 (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 088-09
- 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 (0.41")
CALCULATED VERT. DEFL.(LL)= L/999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.41")
CALCULATED VERT. DEFL.(TL)= L/999 (0.09")

CSI: TC=0.14 (B-C:1), BC=0.35 (H-I:2), WB=0.34 (C-I:1), SSI=0.15 (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

AUTOSOLVE HEELS OFF

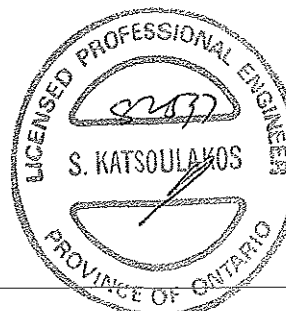
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 622 2284 1658

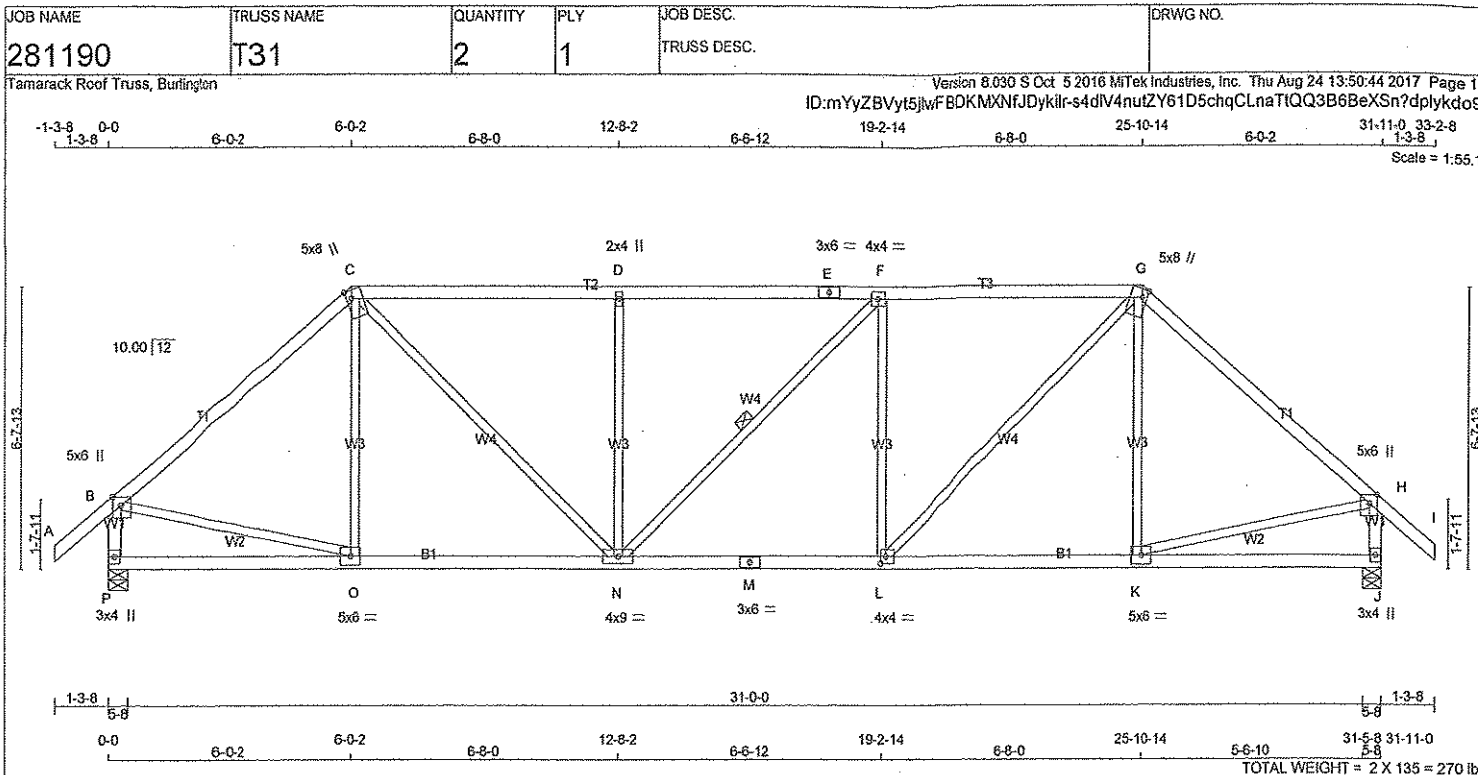
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (C) (INPUT = 0.90)
JSI METAL= 0.22 (C) (INPUT = 1.00)



DWG NO. TAM 42910-17
STRUCTURAL
COMPONENT ONLY



LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
E - G	2x4	DRY	No.2
G - I	2x4	DRY	No.2
P - B	2x4	DRY	No.2
J - H	2x4	DRY	No.2
P - M	2x4	DRY	No.2
M - J	2x4	DRY	No.2
ALL WEBS EXCEPT	2x3	DRY	No.2
DRY: SEASONED LUMBER			

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	2.50	2.25
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	TTWW+m	MT20	5.0	6.0	2.25	1.50
H	TMVW+p	MT20	5.0	6.0	2.50	2.25
J	BMV1+p	MT20	3.0	4.0		
K	BMWW-t	MT20	5.0	6.0		
L	BMWW-t	MT20	4.0	4.0	2.00	1.50
M	BS-t	MT20	3.0	6.0		
N	BMWW-t	MT20	4.0	9.0		
O	BMWW-t	MT20	5.0	6.0		
P	BMV1+p	MT20	3.0	4.0		

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	GROSS REACTION	DOWN	HORIZ	UPLIFT
P	1908	0	1908	0	0
J	1908	0	1908	0	0

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	1550	887 / 0	335 / 0	0 / 0	0 / 0	327 / 0	0 / 0
J	1550	887 / 0	335 / 0	0 / 0	0 / 0	327 / 0	0 / 0

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

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-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		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	0 / 37	O-C	-99 / 194
B-C	-1826 / 0	C-N	0 / 1136
C-D	-2222 / 0	N-D	-603 / 0
D-E	-2222 / 0	E-F	-2 / 0
E-F	-2222 / 0	F-G	-603 / 0
F-G	-2223 / 0	G-H	0 / 1136
G-H	-1826 / 0	H-I	-99 / 194
H-I	0 / 37	I-J	0 / 1432
P-B	-1841 / 0	J-H	0 / 1432
J-H	-1841 / 0		
P-O	0 / 0		
O-N	0 / 1399		
N-M	0 / 2223		
M-L	0 / 2223		
L-K	0 / 1399		
K-J	0 / 0		

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 088-09
- 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 (1.06")
CALCULATED VERT. DEFL.(LL) = L/999 (0.13")
ALLOWABLE DEFL.(TL) = L/360 (1.06")
CALCULATED VERT. DEFL.(TL) = L/999 (0.22")

CSI: TC=0.75 (B-C:1), BC=0.48 (L-N:2), WB=0.44 (F-L:1), SSI=0.26 (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.

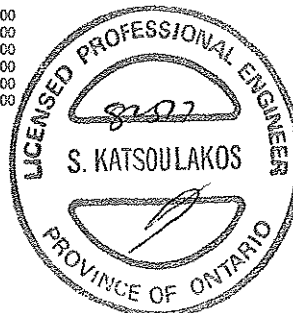
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (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 (G) (INPUT = 0.90)
JSI METAL= 0.69 (M) (INPUT = 1.00)

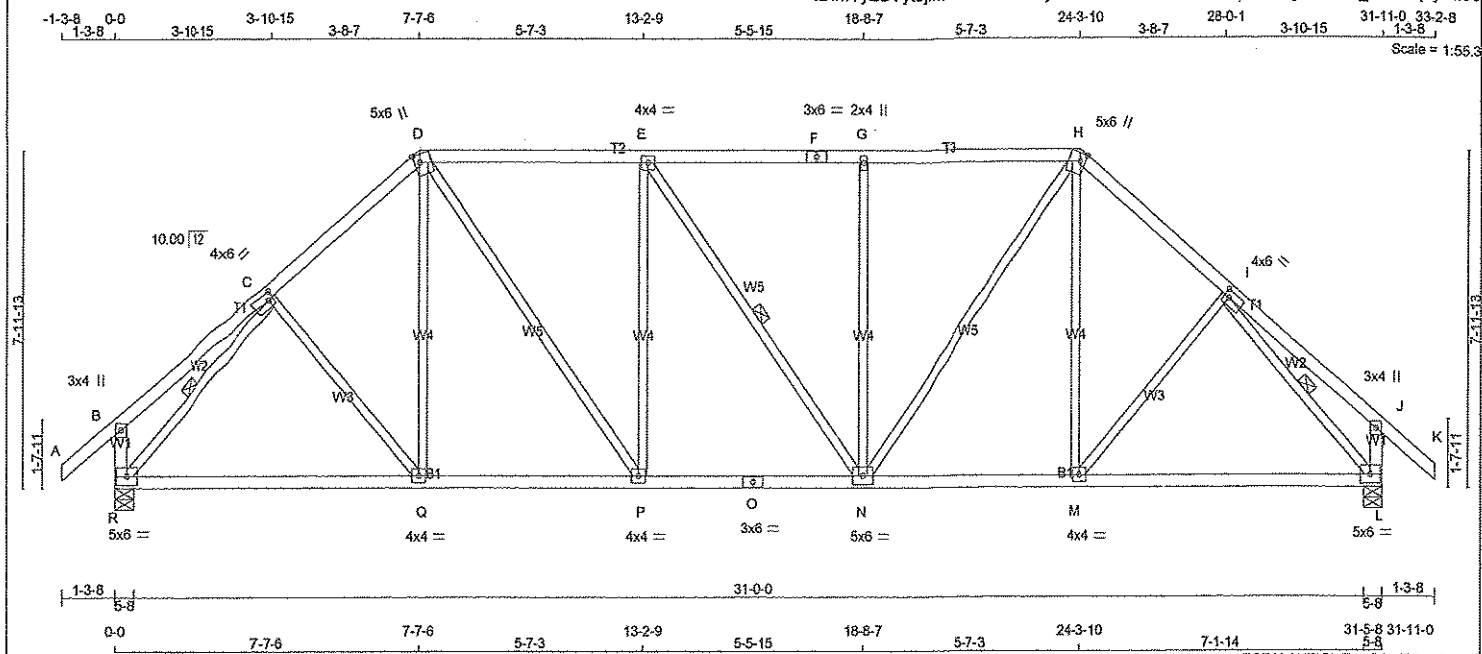


DWG NO. TAM 4/29/11-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
281190	T32	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF		
D - F	2x4	DRY	No.2	SPF		
F - H	2x4	DRY	No.2	SPF		
H - K	2x4	DRY	No.2	SPF		
R - B	2x4	DRY	No.2	SPF		
L - J	2x4	DRY	No.2	SPF		
R - O	2x4	DRY	No.2	SPF		
O - L	2x4	DRY	No.2	SPF		

ALL WEBS 2x3 DRY No.2
EXCEPT
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-I	MT20	4.0	6.0	2.00	1.50
D	TTWW+m	MT20	5.0	6.0	2.25	1.50
E	TMWW-I	MT20	4.0	4.0		
F	TS-I	MT20	3.0	6.0		
G	TMW+w	MT20	2.0	4.0		
H	TTWW+m	MT20	5.0	6.0	2.25	1.50
I	TMWW-I	MT20	4.0	6.0	2.00	1.50
J	TMV+p	MT20	3.0	4.0		
L	BMVW1-I	MT20	5.0	6.0		
M, P, Q						
M	BMVW1-I	MT20	4.0	4.0		
N	BMVW1-I	MT20	5.0	6.0		
O	BS-I	MT20	3.0	6.0		
R	BMVW1-I	MT20	5.0	6.0		

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQ'D
JT	GROSS REACTION	GROSS REACTION	DOWN	BRG	BRG
R	1908 0	1908 0	0	5-8	5-8
L	1908 0	1908 0	0	5-8	5-8

UNFACTORED REACTIONS		1ST LCASE	MAX/MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE
R	1550	887 / 0	335 / 0
L	1550	887 / 0	335 / 0

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

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 E-N, C-R, I-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		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	MEMB.	FORCE (LBS)	LC1 MAX	CS1 (LC)
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	0 / 37	-84.3	-84.3 0.12 (1)	10.00	C-Q	0 / 139	0.03 (3)
B-C	0 / 22	-84.3	-84.3 0.18 (1)	10.00	Q-D	0 / 292	0.07 (2)
C-D	-1813 / 0	-84.3	-84.3 0.24 (1)	4.75	D-P	0 / 794	0.18 (1)
D-E	-1842 / 0	-84.3	-84.3 0.44 (1)	4.46	P-E	-504 / 0	0.61 (1)
E-F	-1841 / 0	-84.3	-84.3 0.44 (1)	4.46	E-N	-2 / 0	0.00 (1)
F-G	-1841 / 0	-84.3	-84.3 0.44 (1)	4.46	N-G	-503 / 0	0.61 (1)
G-H	-1841 / 0	-84.3	-84.3 0.43 (1)	4.47	H-H	0 / 792	0.18 (1)
H-I	-1813 / 0	-84.3	-84.3 0.24 (1)	4.74	M-H	0 / 293	0.07 (2)
I-J	0 / 22	-84.3	-84.3 0.18 (1)	10.00	M-I	0 / 139	0.03 (3)
J-K	0 / 37	-84.3	-84.3 0.12 (1)	10.00	R-C	-2069 / 0	0.51 (1)
R-B	-241 / 0	0.0	0.0 0.03 (1)	7.81	I-L	-2070 / 0	0.51 (1)
L-J	-241 / 0	0.0	0.0 0.03 (1)	7.81			
R-Q	0 / 1339	-28.0	-28.0 0.51 (2)	10.00			
Q-P	0 / 1374	-28.0	-28.0 0.52 (2)	10.00			
P-O	0 / 1842	-28.0	-28.0 0.38 (1)	10.00			
O-N	0 / 1842	-28.0	-28.0 0.38 (1)	10.00			
N-M	0 / 1374	-28.0	-28.0 0.53 (2)	10.00			
M-L	0 / 1339	-28.0	-28.0 0.51 (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, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, CBC 2012, ABC 2014
- CSA 686-09
- TPC 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 (1.06")
CALCULATED VERT. DEFL.(LL) = L/999 (0.15")
ALLOWABLE DEFL.(TL)= L/360 (1.06")
CALCULATED VERT. DEFL.(TL) = L/999 (0.26")

CS1: TC=0.44 (D-E:1), BC=0.53 (M-N:2), WB=0.61 (E-P:1), SSI=0.22 (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) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 822 2284 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (I) (INPUT = 0.90)
JSI METAL= 0.59 (O) (INPUT = 1.00)

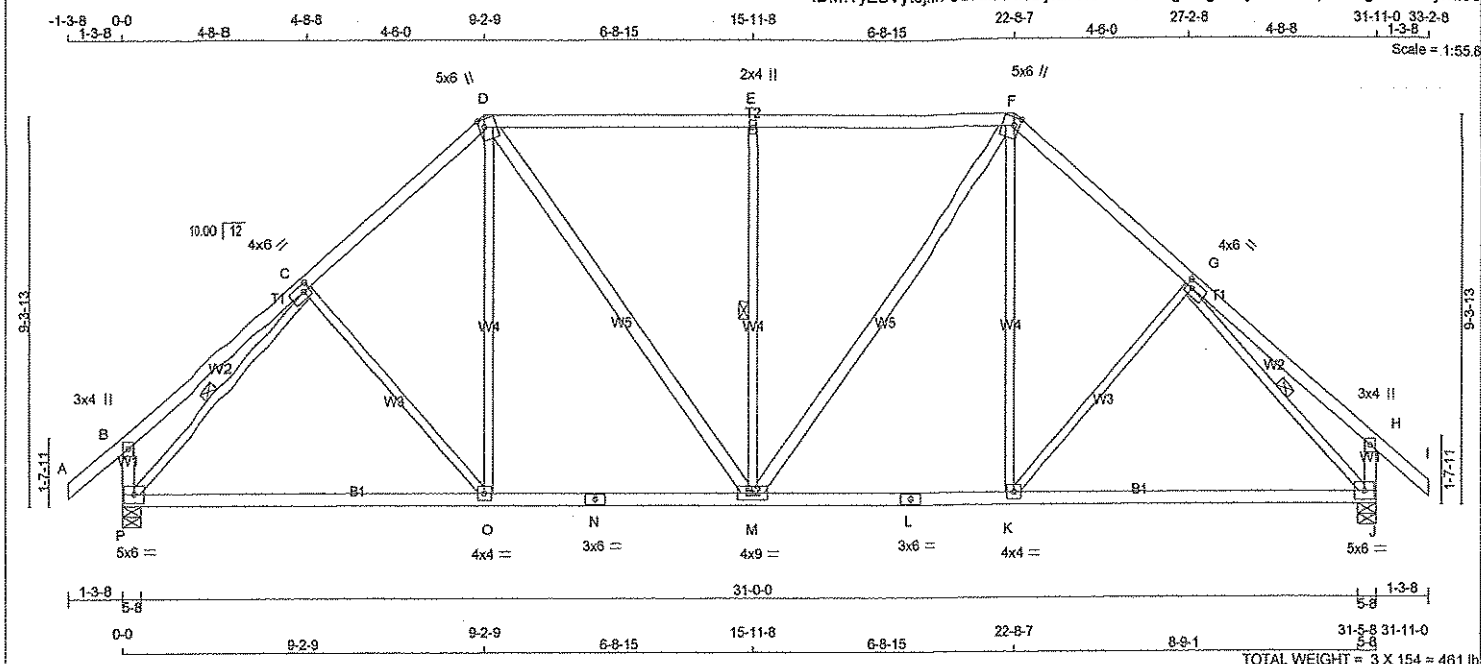


DWG NO. TAM 429/2017
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
281190	T33	3	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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ID:mYyZBVyt5jWf8DKMXNfJdykIr-KGBBiQoXetgzfNgoEXjaKo?5PqLxrbghRIALBykdo8



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)				JT TYPE				W LEN Y X			
B	TMV+p	MT20	3.0	4.0							
C	TMWW-t	MT20	4.0	6.0	2.00	1.75					
D	TTWW+m	MT20	5.0	6.0	2.25	1.50					
E	TMW+w	MT20	2.0	4.0							
F	TTWW+m	MT20	5.0	6.0	2.25	1.50					
G	TMWW-t	MT20	4.0	6.0	2.00	1.75					
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	9.0							
N	BS-t	MT20	3.0	6.0							
O	BMWW-t	MT20	4.0	4.0							
P	BMVW1-t	MT20	5.0	6.0							

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

BEARINGS				FACTORED				MAXIMUM FACTORED				INPUT				REORD			
JT	VERT	HORZ	GROSS REACTION	JT	VERT	HORZ	GROSS REACTION	JT	VERT	HORZ	GROSS REACTION	JT	VERT	HORZ	GROSS REACTION	JT	VERT	HORZ	GROSS REACTION
P	1908	0	1908	0	1908	0	1908	0	1908	0	1908	5-8	5-8	5-8	5-8	5-8	5-8	5-8	5-8
J	1908	0	1908	0	1908	0	1908	0	1908	0	1908	5-8	5-8	5-8	5-8	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS				1ST LCASE				MAX/MIN. COMPONENT REACTIONS			
JT	COMBINED	SNOW	LIVE	JT	COMBINED	SNOW	LIVE	JT	COMBINED	SNOW	LIVE
P	1550	887 / 0	335 / 0	P	1550	887 / 0	335 / 0	P	1550	887 / 0	335 / 0
J	1550	887 / 0	335 / 0	J	1550	887 / 0	335 / 0	J	1550	887 / 0	335 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.51 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 E-M, C-P, 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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CS1 (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS1 (LC)
FR-TO		FROM TO			FR-TO		
A-B	0 / 37	-84.3 -84.3	0.12 (1)	10.00	C-O	-70 / 105	0.08 (1)
B-C	0 / 29	-84.3 -84.3	0.28 (1)	10.00	O-D	0 / 438	0.10 (2)
C-D	-1759 / 0	-84.3 -84.3	0.27 (1)	4.79	D-M	0 / 516	0.08 (1)
D-E	-1639 / 0	-84.3 -84.3	0.55 (1)	4.51	M-E	-596 / 0	0.40 (1)
E-F	-1639 / 0	-84.3 -84.3	0.55 (1)	4.51	M-F	0 / 516	0.08 (1)
F-G	-1759 / 0	-84.3 -84.3	0.27 (1)	4.79	K-F	0 / 438	0.10 (2)
G-H	0 / 29	-84.3 -84.3	0.28 (1)	10.00	K-G	-70 / 105	0.08 (1)
H-I	0 / 37	-84.3 -84.3	0.12 (1)	10.00	P-C	-2062 / 0	0.65 (1)
P-B	-265 / 0	0.0 0.0	0.03 (1)	7.81	G-J	-2062 / 0	0.65 (1)
J-H	-265 / 0	0.0 0.0	0.03 (1)	7.81			
P-O	0 / 1374	-28.0 -28.0	0.70 (2)	10.00			
O-N	0 / 1330	-28.0 -28.0	0.71 (2)	10.00			
N-M	0 / 1330	-28.0 -28.0	0.71 (2)	10.00			
M-L	0 / 1330	-28.0 -28.0	0.71 (2)	10.00			
L-K	0 / 1330	-28.0 -28.0	0.71 (2)	10.00			
K-J	0 / 1374	-28.0 -28.0	0.70 (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 088-09
- 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 (1.06")
CALCULATED VERT. DEFL.(LL) = L/999 (0.29")
ALLOWABLE DEFL.(TL)= L/360 (1.06")
CALCULATED VERT. DEFL.(TL) = L/788 (0.49")

CS1: TC=0.55 (D-E:1), BC=0.71 (M-O:2), WB=0.65 (C-P:1), SS1=0.28 (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

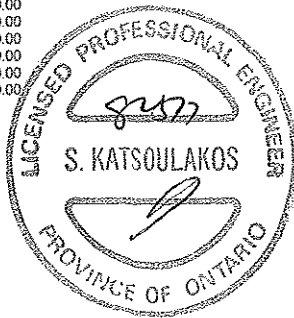
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (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= 0.87 (G) (INPUT = 0.90)
JSI METAL= 0.51 (C) (INPUT = 1.00)

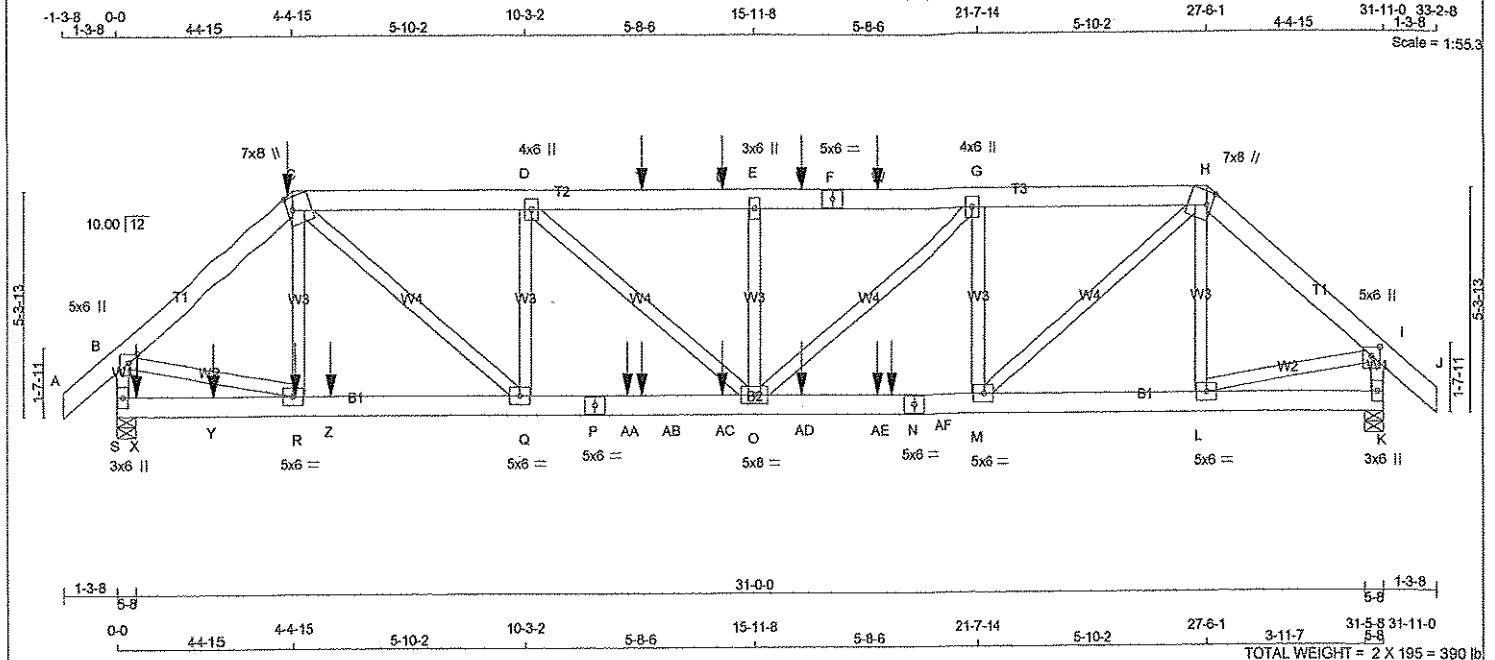


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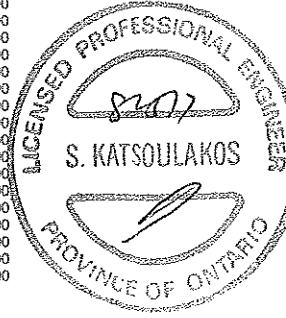
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
281190	T34	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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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 S - B 2x4 DRY No.2 SPF K - I 2x4 DRY No.2 SPF S - P 2x6 DRY No.2 SPF P - N 2x6 DRY No.2 SPF N - K 2x6 DRY No.2 SPF ALL WEBS 2x4 DRY No.2 SPF DRY: SEASONED LUMBER				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, NBC 2010 THIS DESIGN COMPLIES WITH: - PART 9 OF OBC 2012, BCBC 2012, ABC 2014 - CSA 088-09 - 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 (1.06") CALCULATED VERT. DEFL.(LL) = 1/899 (0.14") ALLOWABLE DEFL.(TL) = L/360 (1.06") CALCULATED VERT. DEFL.(TL) = 1/999 (0.23") CSI: TC=0.21 (B-S:1), BC=0.72 (M-O:1), WB=0.33 (H-M:1), SSI=0.22 (Q-R: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) SHEAR SECTION (P.S.I) (P.L.I) (P.L.I) MAX MIN MAX MIN MAX MIN MT20 618 354 1687 822 2284 1656 PLATE PLACEMENT TOL. = 0.250 inches PLATE ROTATION TOL. = 5.0 Deg. JSI GRIP= 0.88 (P) (INPUT = 0.90) JSI METAL= 0.68 (N) (INPUT = 1.00)			
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 A-C 2 12 SIDE(122.0) C-F 2 12 SIDE(61.0) F-H 2 12 SIDE(0.0) H-J 2 12 TOP S-B 1 12 TOP K-I 1 12 TOP BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS S-P 2 12 SIDE(183.1) P-N 2 12 SIDE(0.0) N-K 2 12 TOP 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. 3/8 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 TRANSFERRING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.				BEARING FACTORED GROSS REACTION JT VERT HORZ S 3796 0 K 3220 0 MAXIMUM FACTORED DOWN HORZ UPLIFT 3796 0 0 3220 0 0 INPUT IN-SX 5-8 5-8 5-8 5-8 REQD IN-SX 5-8 5-8 5-8 5-8 UNFACTORED REACTIONS 1ST LCASE MAX./MIN. COMPONENT REACTIONS JT COMBINED SNOW LIVE PERM.LIVE WIND DEAD SOIL S 3104 1742/0 693/0 0/0 0/0 669/0 0/0 K 2608 1506/0 555/0 0/0 0/0 547/0 0/0 BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) S, K BRACING TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.52 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 MAX. FACTORED FORCE VERT. LOAD LC1 MAX. MAX. MEMB. MAX. FORCE MAX. FORCE (LBS) (PLF) CSI (LC) UNBRAC LENGTH FR-TO (LBS) CSI (LC) FR-TO FROM TO A-B 0/39 -84.3 -84.3 0.03 (1) 10.00 R-C 0/283 0.03 (3) B-C -4112/0 -84.3 -84.3 0.10 (1) 5.54 C-Q 0/3213 0.28 (1) C-D -5627/0 -84.3 -84.3 0.16 (1) 4.85 D-O -1406/0 0.19 (1) D-T -6616/0 -84.3 -84.3 0.18 (1) 4.52 O-G 0/1309 0.11 (1) T-U -6616/0 -84.3 -84.3 0.18 (1) 4.52 O-E -745/0 0.10 (1) U-E -6616/0 -84.3 -84.3 0.18 (1) 4.52 M-G 0/1506 0.13 (1) E-V -6616/0 -84.3 -84.3 0.18 (1) 4.52 M-H -1554/0 0.21 (1) V-F -6616/0 -84.3 -84.3 0.18 (1) 4.52 M-H 0/3719 0.33 (1) F-W -6616/0 -84.3 -84.3 0.16 (1) 4.52 L-H -562/0 0.08 (1) W-G -6616/0 -84.3 -84.3 0.18 (1) 4.52 B-R 0/3239 0.29 (1) G-H -5470/0 -84.3 -84.3 0.16 (1) 4.90 L-I 0/2697 0.24 (1) H-I -3423/0 -84.3 -84.3 0.09 (1) 5.94 I-J 0/39 -84.3 -84.3 0.03 (1) 10.00 S-B -3723/0 0.0 0.0 0.21 (1) 6.10 K-I -3151/0 0.0 0.0 0.18 (1) 6.53 S-X 0/0 -28.0 -28.0 0.09 (2) 10.00 X-Y 0/0 -28.0 -28.0 0.09 (2) 10.00 Y-R 0/0 -28.0 -28.0 0.09 (2) 10.00 R-Z 0/3149 -28.0 -28.0 0.34 (1) 10.00 Z-Q 0/3149 -28.0 -28.0 0.34 (1) 10.00 Q-P 0/5627 -28.0 -28.0 0.62 (1) 10.00 P-AA 0/5627 -28.0 -28.0 0.62 (1) 10.00 AA-AB 0/5627 -28.0 -28.0 0.62 (1) 10.00 AB-AC 0/5627 -28.0 -28.0 0.62 (1) 10.00 AC-O 0/5627 -28.0 -28.0 0.62 (1) 10.00 O-AD 0/5471 -28.0 -28.0 0.72 (1) 10.00 AD-AE 0/5471 -28.0 -28.0 0.72 (1) 10.00 AE-AF 0/5471 -28.0 -28.0 0.72 (1) 10.00 AF-N 0/5471 -28.0 -28.0 0.72 (1) 10.00 N-M 0/5471 -28.0 -28.0 0.72 (1) 10.00 M-L 0/2602 -28.0 -28.0 0.33 (1) 10.00 L-K 0/0 -28.0 -28.0 0.04 (2) 10.00				FACTORED CONCENTRATED LOADS (LBS) JT LOC. LC1 MAX. MAX+ FACE DIR. TYPE C 4-4-15 -105 -105 --- BACK VERT TOTAL R 4-5-11 -41 -72 --- BACK VERT TOTAL T 13-1-12 -101 -101 --- BACK VERT TOTAL U 15-1-12 -101 -101 --- BACK VERT TOTAL			



DWG NO. TAM 4291417
STRUCTURAL
COMPONENT ONLY
CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
281190	T34	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

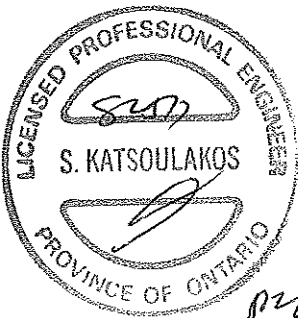
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HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 104.9 lbs FACTORED DOWN AT 4-4-15, 101.4 lbs FACTORED DOWN AT 13-1-12, 101.4 lbs FACTORED DOWN AT 15-1-12, AND 101.4 lbs FACTORED DOWN AT 17-1-12, AND 101.4 lbs FACTORED DOWN AT 19-0-4 ON TOP CHORD, AND 84.6 lbs FACTORED DOWN AT 5-11, 71.7 lbs FACTORED DOWN AT 2-5-11, 71.7 lbs FACTORED DOWN AT 4-5-11, 702.3 lbs FACTORED DOWN AT 5-4-8, 71.7 lbs FACTORED DOWN AT 12-9-8, 71.7 lbs FACTORED DOWN AT 13-1-12, 71.7 lbs FACTORED DOWN AT 15-1-12, 71.7 lbs FACTORED DOWN AT 17-1-12, AND 71.7 lbs FACTORED DOWN AT 19-0-4, AND 980.9 lbs FACTORED DOWN AT 19-4-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

FACTORED CONCENTRATED LOADS (LBS)							
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
V	17-1-12	-101	-101	---	BACK	VERT	TOTAL
W	19-0-4	-101	-101	---	BACK	VERT	TOTAL
X	5-11	-48	-85	---	BACK	VERT	TOTAL
Y	2-5-11	-41	-72	---	BACK	VERT	TOTAL
Z	5-4-8	-702	-702	---	BACK	VERT	TOTAL
AA	12-9-8	-702	-702	---	BACK	VERT	TOTAL
AB	13-1-12	-41	-72	---	BACK	VERT	TOTAL
AC	15-1-12	-41	-72	---	BACK	VERT	TOTAL
AD	17-1-12	-41	-72	---	BACK	VERT	TOTAL
AE	19-0-4	-41	-72	---	BACK	VERT	TOTAL
AF	19-4-8	-981	-981	---	TOP	VERT	TOTAL

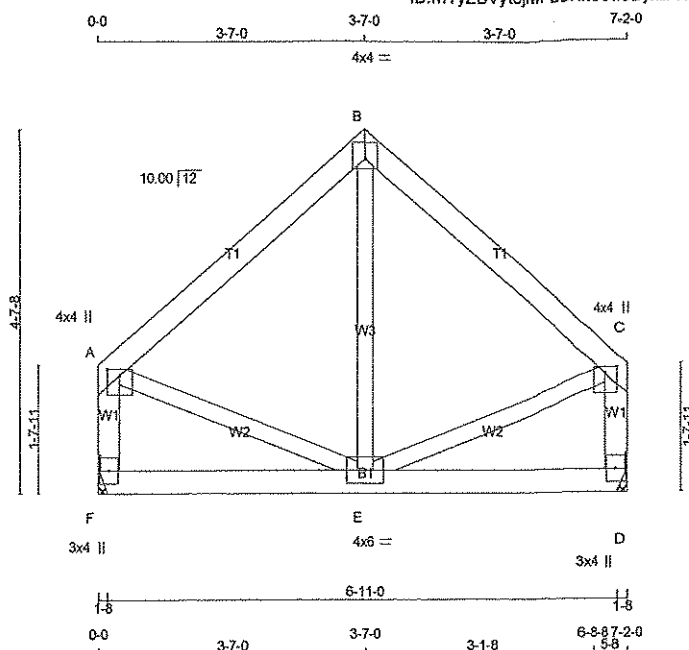


DWG NO. TAM 42914-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
281190	T35	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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Scale = 1:29.7

TOTAL WEIGHT = 31 lb

LUMBER	SIZE	DRY	LUMBER	DESCR.
N. L. G. A. RULES				
CHORDS				
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	2x3	DRY	No.2	SPF
EXCEPT				

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.00	2.00
B	TTW-p	MT20	4.0	4.0	1.50	2.00
C	TMVW+p	MT20	4.0	4.0	1.00	2.00
D	BMV1+p	MT20	3.0	4.0		
E	BMVWW-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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REORD BRG
	VERT	HORZ	DOWN	HORZ		
F	402	0	402	0	0	
D	402	0	402	0	0	

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	330	183 / 0	75 / 0	0 / 0	0 / 0	72 / 0	0 / 0
D	330	183 / 0	75 / 0	0 / 0	0 / 0	72 / 0	0 / 0

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)

MEMB.	CHORDS		FACTORED		MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	WEBS		MAX. CSI (LC)
	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	FROM	TO				MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO										
A-B	-231 / 0	-84.3	-84.3	0.14 (1)	6.25	E-B	-6 / 143	0.03 (3)		
B-C	-231 / 0	-84.3	-84.3	0.14 (1)	6.25	A-E	0 / 189	0.04 (1)		
F-A	-363 / 0	0.0	0.0	0.04 (1)	7.81	E-C	0 / 189	0.04 (1)		
D-C	-363 / 0	0.0	0.0	0.04 (1)	7.81					
F-E	0 / 0	-28.0	-28.0	0.10 (3)	10.00					
E-D	0 / 0	-28.0	-28.0	0.10 (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) = $L/360$ (0.24")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.01")
ALLOWABLE DEFL. (TL) = $L/360$ (0.24")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.01")

CSI: TC=0.14 (B-C:1), BC=0.10 (D-E:3), WB=0.04 (A-E:1), SSI=0.09 (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

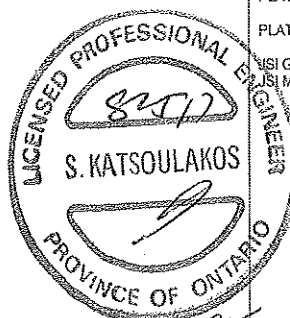
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

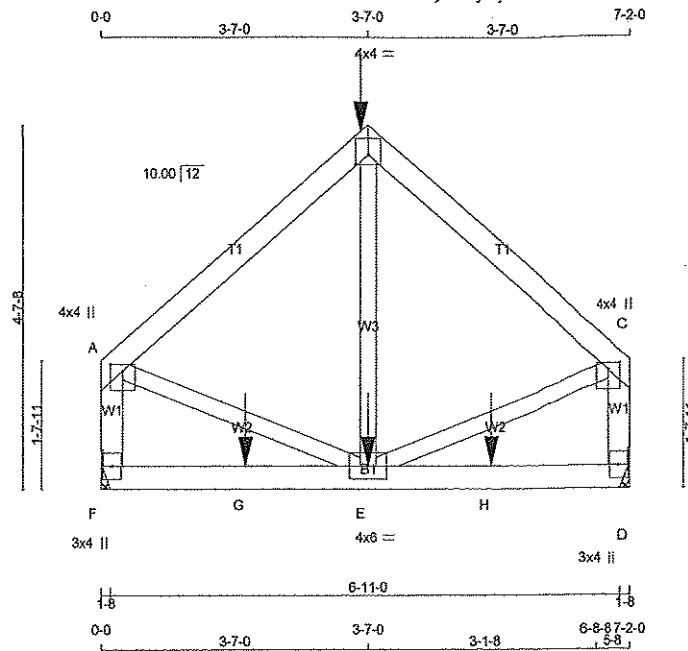
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

ISI GRIP= 0.48 (B) (INPUT = 0.90)
ISI METAL= 0.09 (C) (INPUT = 1.00)



DWG NO. TAM 4295-17
STRUCTURAL
COMPONENT ONLY



Scale = 1:29.7

TOTAL WEIGHT = 31 lb

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	TMVV+p	MT20	4.0	4.0	1.00	2.00
B	TTW-p	MT20	4.0	4.0	1.50	2.00
C	TMVV+p	MT20	4.0	4.0	1.00	2.00
D	BMV1+p	MT20	3.0	4.0		
E	BMVWW-t	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		

HANGERS NOTES

- SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 29.1 lbs FACTORED DOWN AT 3-7-0 ON TOP CHORD, AND 42.9 lbs FACTORED DOWN AT 1-11-4, AND 28.9 lbs FACTORED DOWN AT 3-7-0, AND 42.9 lbs FACTORED DOWN AT 5-2-12 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 REQRD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
F	465	0	465	0	0	HANGER BY OTHERS	MIN. SEAT SIZE: 1-8
D	465	0	465	0	0	HANGER BY OTHERS	MIN. SEAT SIZE: 1-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	389	204 / 0	96 / 0	0 / 0	0 / 0	88 / 0	0 / 0
D	389	204 / 0	96 / 0	0 / 0	0 / 0	88 / 0	0 / 0

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		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)	MAX	LC1 (LBS)
FR-TO		FROM	TO	FR-TO			
A-B	-287 / 0	-84.3	-84.3 0.21 (1)	E-B	0 / 199	0.05 (3)	
B-C	-287 / 0	-84.3	-84.3 0.21 (1)	A-E	0 / 235	0.05 (1)	
F-A	-415 / 0	0.0	0.0 0.05 (1)	E-C	0 / 235	0.05 (1)	
D-C	-415 / 0	0.0	0.0 0.05 (1)				
F-G	0 / 0	-28.0	-28.0 0.15 (2)				
G-E	0 / 0	-28.0	-28.0 0.15 (2)				
E-H	0 / 0	-28.0	-28.0 0.15 (2)				
H-D	0 / 0	-28.0	-28.0 0.15 (2)				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
B	3-7-0	-29	-29	---	BACK	VERT	TOTAL
E	3-7-0	-16	-28	---	BACK	VERT	TOTAL
G	1-11-4	-40	-43	---	BACK	VERT	TOTAL
H	5-2-12	-40	-43	---	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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, CBC 2012, ABC 2014
- CSA 088-09
- 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 (0.24")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL)= L/360 (0.24")
CALCULATED VERT. DEFL.(TL) = L/999 (0.01")

CSI: TC=0.21 (B-C:1), BC=0.15 (D-E:2), WB=0.05 (A-E:1), SSI=0.12 (E-F:2)

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)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX	MIN	MAX	MIN
MT20	618	354	1687
	822	2294	1656

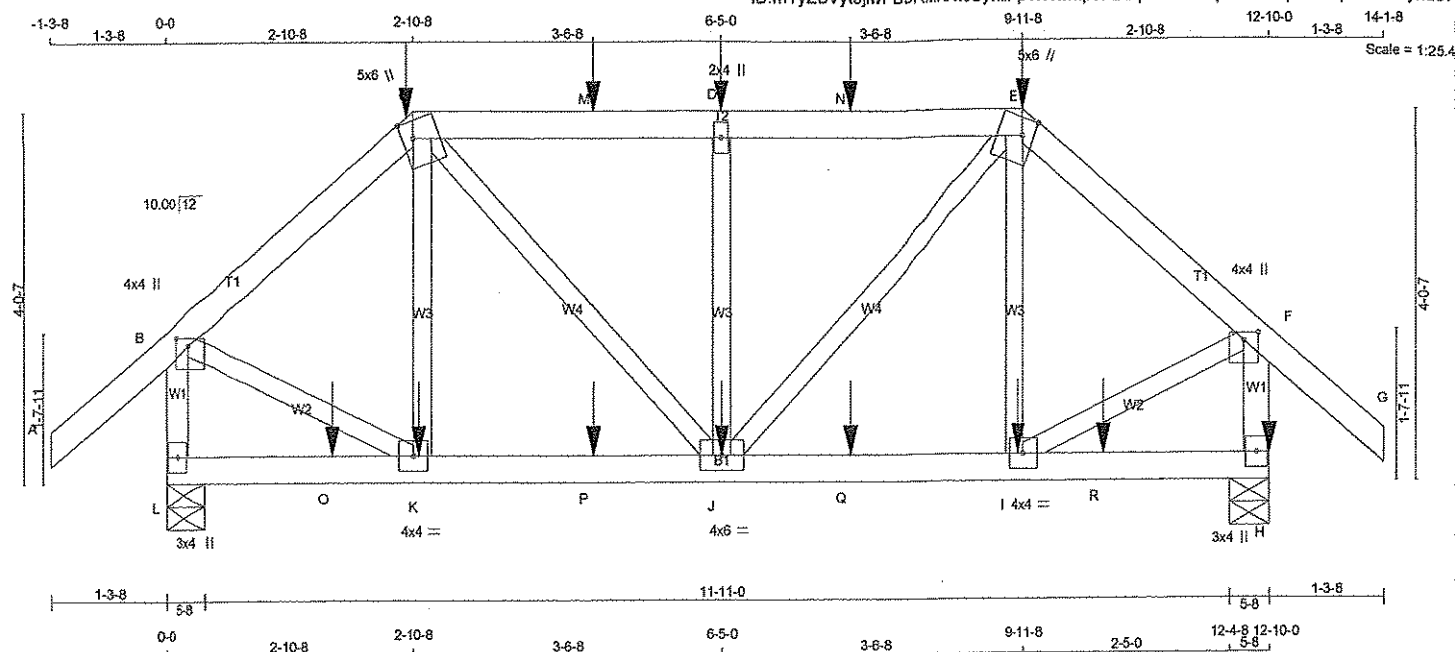
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.66 (B) (INPUT = 0.90)
JSI METAL= 0.10 (C) (INPUT = 1.00)



DWG NO. TAM 4291617
STRUCTURAL
COMPONENT ONLY



TOTAL WEIGHT = 59 lb

LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
E - G	2x4	DRY	No.2
L - B	2x4	DRY	No.2
H - F	2x4	DRY	No.2
L - H	2x4	DRY	No.2

ALL WEBS 2x3 DRY No.2 SPF EXCEPT

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	TMW+w	MT20	2.0	4.0		
E	TTWW+m	MT20	5.0	6.0	2.25	1.50
F	TMVW+p	MT20	4.0	4.0	1.00	2.00
H	BMV1+p	MT20	3.0	4.0		
I	BMWW-t	MT20	4.0	4.0		
J	BMWW-t	MT20	4.0	6.0		
K	BMWW-t	MT20	4.0	4.0		
L	BMV1+p	MT20	3.0	4.0		

HANGERS NOTES

- SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 134.2 lbs FACTORED DOWN AT 2-10-8, 6.9 lbs FACTORED DOWN AT 4-11-4, 6.9 lbs FACTORED DOWN AT 6-5-0, AND 6.9 lbs FACTORED DOWN AT 7-10-12, AND 134.2 lbs FACTORED DOWN AT 9-11-8 ON TOP CHORD, AND 18.4 lbs FACTORED DOWN AT 1-11-4, 14.0 lbs FACTORED DOWN AT 2-11-4, 14.0 lbs FACTORED DOWN AT 4-11-4, 14.0 lbs FACTORED DOWN AT 6-5-0, 14.0 lbs FACTORED DOWN AT 7-10-12, 14.0 lbs FACTORED DOWN AT 9-10-12, AND 18.4 lbs FACTORED DOWN AT 10-10-12, AND 951.6 lbs FACTORED DOWN AT 12-10-0 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		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQRD IN-SX	
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
L	1012	0	1012	0	0	5-8	5-8	
H	1964	0	1964	0	0	5-8	5-8	

UNFACTORED REACTIONS

JT	MAX./MIN. COMPONENT REACTIONS						
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	807	485 / 0	158 / 0	0 / 0	0 / 0	165 / 0	0 / 0
H	1569	939 / 0	310 / 0	0 / 0	0 / 0	320 / 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 = 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)

FR-TO	CHORDS MAX. FACTORED		FACTORED		WEBS MAX. FACTORED		FACTORED	
	MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)	
A-B	0 / 37	-84.3	-84.3	0.13 (1)	10.00	K-C	-131 / 87	0.03 (1)
B-C	-755 / 0	-84.3	-84.3	0.14 (1)	6.25	C-J	0 / 330	0.08 (1)
C-M	-802 / 0	-84.3	-84.3	0.20 (1)	6.25	J-D	-373 / 0	0.10 (1)
M-D	-802 / 0	-84.3	-84.3	0.20 (1)	6.25	J-E	0 / 330	0.08 (1)
D-N	-802 / 0	-84.3	-84.3	0.20 (1)	6.25	I-E	-131 / 87	0.03 (1)
N-E	-802 / 0	-84.3	-84.3	0.20 (1)	6.25	B-K	0 / 631	0.16 (1)
E-F	-755 / 0	-84.3	-84.3	0.14 (1)	6.25	I-F	0 / 631	0.16 (1)
F-G	0 / 37	-84.3	-84.3	0.13 (1)	10.00			
L-B	-977 / 0	0.0	0.0	0.11 (1)	7.81			
H-F	-977 / 0	0.0	0.0	0.11 (1)	7.81			
L-O	0 / 0	-28.0	-28.0	0.08 (3)	10.00			
O-K	0 / 0	-28.0	-28.0	0.08 (3)	10.00			
K-P	0 / 575	-28.0	-28.0	0.16 (2)	10.00			
P-J	0 / 575	-28.0	-28.0	0.16 (2)	10.00			
J-Q	0 / 575	-28.0	-28.0	0.16 (2)	10.00			
Q-I	0 / 575	-28.0	-28.0	0.16 (2)	10.00			
I-R	0 / 0	-28.0	-28.0	0.08 (3)	10.00			
R-H	0 / 0	-28.0	-28.0	0.08 (3)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.
C	2-10-8	-134	-134	-	FRONT	VERT
D	6-5-0	-7	-7	-	FRONT	VERT
E	9-11-8	-134	-134	-	FRONT	VERT
H	12-10-0	-952	-952	-	BACK	VERT
I	9-10-12	-8	-14	-	FRONT	VERT
J	6-5-0	-8	-14	-	FRONT	VERT
K	2-11-4	-8	-14	-	FRONT	VERT
M	4-11-4	-7	-7	-	FRONT	VERT
N	7-10-12	-7	-7	-	FRONT	VERT
O	1-11-4	-11	-18	-	FRONT	VERT
P	4-11-4	-8	-14	-	FRONT	VERT
Q	7-10-12	-8	-14	-	FRONT	VERT
R	10-10-12	-11	-18	-	FRONT	VERT

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, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, CBC 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) = $L/360$ (0.43")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.02")
ALLOWABLE DEFL. (TL) = $L/360$ (0.43")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.02")

CSI: TC=0.20 (D-E-1), BC=0.16 (J-K-2), WB=0.16 (B-K-1), SS=0.16 (D-E-1)

DOL LUMBER=1.00 NAIL=1.00 L.S 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)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MT20	618	354	1687

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JS: GRIP= 0.86 (F) (INPUT = 0.90)
JS: METAL= 0.24 (F) (INPUT = 1.00)



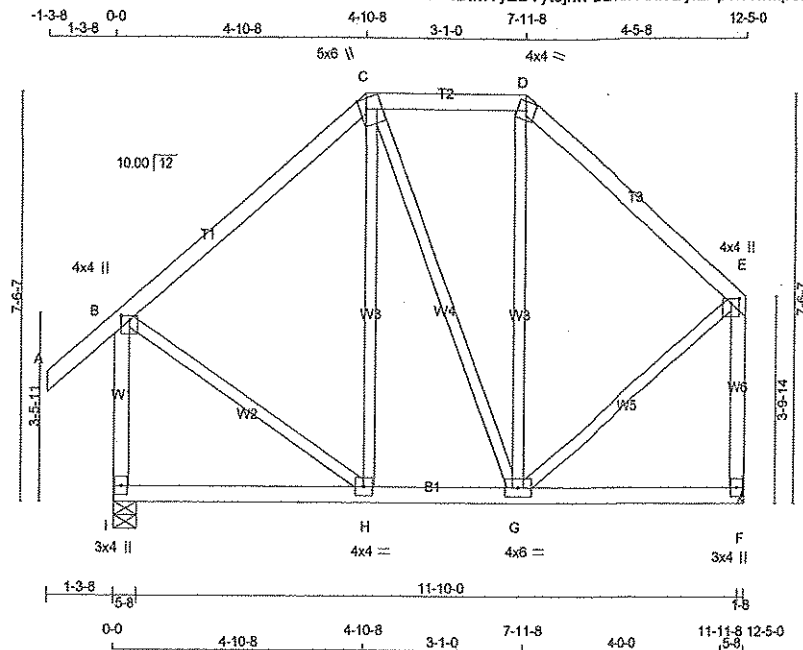
DWG NO. TAM 429/17-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
281190	T37A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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Scale = 1:43.1

TOTAL WEIGHT = 68 lb

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 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	TTW-m	MT20	4.0	4.0		
E	TMVW+p	MT20	4.0	4.0	1.00	2.00
F	BMV1+p	MT20	3.0	4.0		
G	BMWWW-t	MT20	4.0	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		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD BRG
	VERT	HORZ	DOWN	HORZ	IN-SX	IN-SX
I	814	0	814	0	5-8	
F	697	0	697	0		HANGER BY OTHERS

MIN. SEAT SIZE: 1-8

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
I	651	389 / 0	130 / 0	0 / 0	0 / 0	132 / 0	0 / 0
F	572	318 / 0	130 / 0	0 / 0	0 / 0	124 / 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 = 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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 (LC)	UNBRACED LENGTH
FR-TO				FR-TO			
A-B	0 / 37	-84.3	-84.3 0.12 (1)	10.00	H-C	-80 / 120	0.08 (1)
B-C	-385 / 0	-84.3	-84.3 0.26 (1)	6.25	C-G	-30 / 0	0.04 (1)
C-D	-282 / 0	-84.3	-84.3 0.10 (1)	6.25	G-D	-80 / 97	0.08 (1)
D-E	-370 / 0	-84.3	-84.3 0.22 (1)	6.25	B-H	0 / 348	0.08 (1)
I-B	-755 / 0	0.0	0.0 0.15 (1)	7.81	G-E	0 / 357	0.08 (1)
F-E	-642 / 0	0.0	0.0 0.16 (1)	7.81			
I-H	0 / 0	-28.0	-28.0 0.15 (2)	10.00			
H-G	0 / 294	-28.0	-28.0 0.17 (2)	10.00			
G-F	0 / 0	-28.0	-28.0 0.13 (2)	10.00			

DESIGN CRITERIA

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, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, CBC 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) = $L/360$ (0.41")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.03")
ALLOWABLE DEFL.(TL) = $L/360$ (0.41")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.04")

CSI: TC=0.28 (B-C:1), BC=0.17 (G-H:2), WB=0.08 (D-G:1), SSI=0.12 (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) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.57 (B) (INPUT = 0.90)
JSI METAL= 0.16 (B) (INPUT = 1.00)

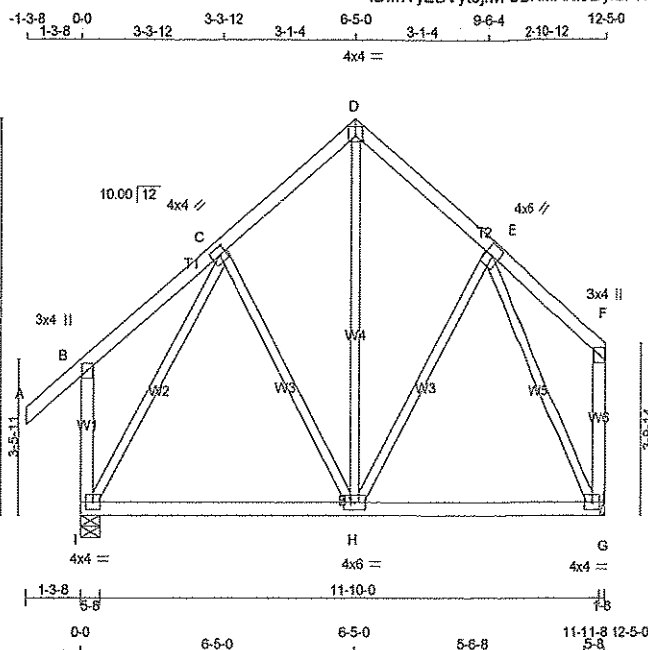


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
281190	T38A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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ID:mYyZBVyt5jwFBDKMXNfDykir-HfJu76qnAUwhuhqBMyI2PC5XGe72JXzz9IEHQ3ykd06



Scale = 1:51.9

TOTAL WEIGHT = 69 lb

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

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	1.50	2.00
E	TMWW+H	MT20	4.0	6.0		
F	TMV+p	MT20	3.0	4.0		
G	BMVW1-t	MT20	4.0	4.0		
H	BMVWW1-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

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
I	814	0	0	0
G	697	0	0	0

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
I	651	389 / 0	130 / 0	0 / 0	0 / 0	132 / 0	0 / 0	0 / 0
G	572	318 / 0	130 / 0	0 / 0	0 / 0	124 / 0	0 / 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 = 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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (CSI (LC))	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 (CSI (LC))	UNBRACED LENGTH (FR-TO)
A-B	0 / 37	-84.3	-84.3 0.12 (1)	C-H	-37 / 72	0.03 (1)	10.00
B-C	0 / 20	-84.3	-84.3 0.14 (1)	H-D	0 / 269	0.06 (2)	10.00
C-D	-371 / 0	-84.3	-84.3 0.11 (1)	D-E	0 / 81	0.02 (3)	6.25
D-E	-389 / 0	-84.3	-84.3 0.10 (1)	E-F	-599 / 0	0.47 (1)	6.25
E-F	0 / 20	-84.3	-84.3 0.12 (1)	F-G	-610 / 0	0.44 (1)	10.00
F-G	-219 / 0	0.0	0.0 0.04 (1)				
G-H	-84 / 0	0.0	0.0 0.02 (1)				
I-H	0 / 288	-28.0	-28.0 0.35 (2)				10.00
H-G	0 / 262	-28.0	-28.0 0.34 (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, CBC 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 (0.41")
CALCULATED VERT. DEFL. (LL) = L/999 (0.05")
ALLOWABLE DEFL. (TL) = L/360 (0.41")
CALCULATED VERT. DEFL. (TL) = L/999 (0.09")

CSI: TC=0.14 (B-C:1), BC=0.35 (H-I:2), WB=0.47 (C-I:1), SSI=0.15 (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

AUTOSOLVE HEELS OFF

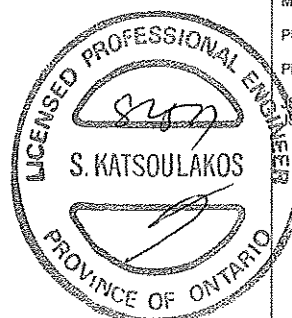
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (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.

SI GRIP= 0.89 (D) (INPUT = 0.90)
SI METAL= 0.21 (C) (INPUT = 1.00)



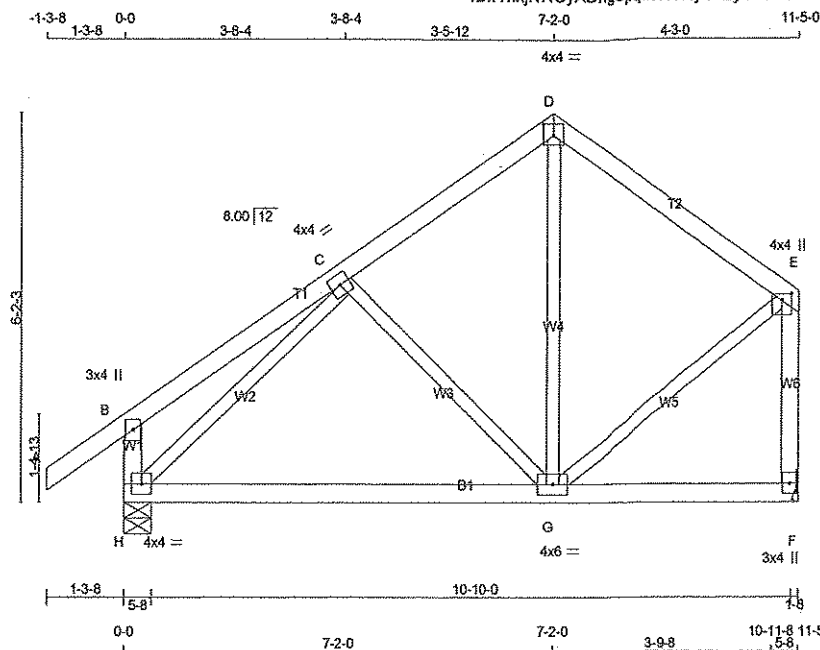
DWG NO. TAM 4919-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
287179	T210A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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Scale = 1:37.1

TOTAL WEIGHT = 51 lb

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

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	TMVW+p	MT20	4.0	4.0	1.25 2.00
F	BMVt+p	MT20	3.0	4.0	
G	BMWW-t	MT20	4.0	6.0	
H	BMVW-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
F	641	0	641	0	0	HANGER BY OTHERS	
H	756	0	756	0	0	MIN. SEAT SIZE: 1-8	5-8

UNFACTORED REACTIONS							
JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	526	292 / 0	120 / 0	0 / 0	0 / 0	114 / 0	0 / 0
H	605	362 / 0	120 / 0	0 / 0	0 / 0	122 / 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 = 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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC1)	
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	0 / 32	-84.3	-84.3 0.11 (1)	10.00	C-G	-199 / 18	0.08 (1)
B-C	0 / 20	-84.3	-84.3 0.17 (1)	10.00	G-D	0 / 222	0.08 (3)
C-D	-397 / 0	-84.3	-84.3 0.13 (1)	6.25	H-C	-637 / 0	0.25 (1)
D-E	-377 / 0	-84.3	-84.3 0.20 (1)	6.25	G-E	0 / 385	0.09 (1)
H-B	-231 / 0	0.0	0.0 0.02 (1)	7.81			
F-E	-612 / 0	0.0	0.0 0.12 (1)	7.81			
H-G	0 / 457	-28.0	-28.0 0.36 (2)	10.00			
G-F	0 / 0	-28.0	-28.0 0.32 (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, NBC 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 (0.38")
CALCULATED VERT. DEFL.(LL) = L/999 (0.10")
ALLOWABLE DEFL.(TL) = L/360 (0.38")
CALCULATED VERT. DEFL.(TL) = L/840 (0.16")

CSI: TC=0.20 (D-E:1), BC=0.36 (G-H:2), WB=0.25 (C-H:1), SSI=0.16 (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

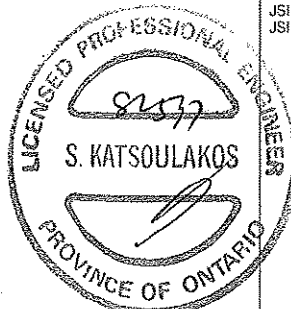
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES					
PLATE	GRIP(DRY)	SHEAR	SECTION	(PSI)	(PLI)
MT20	618	354	1667	822	2284

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.53 (H) (INPUT = 0.90)
JSI METAL= 0.22 (C) (INPUT = 1.00)



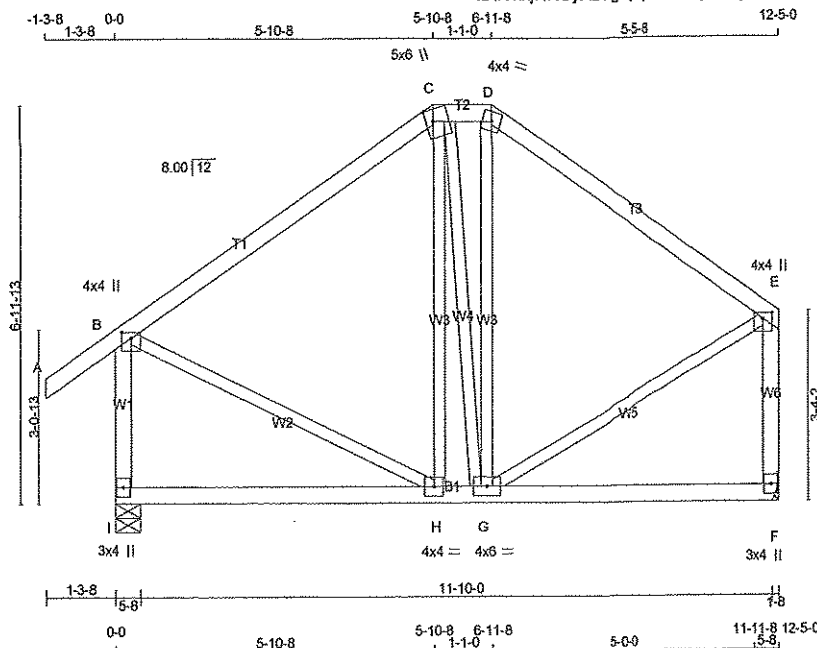
DWG NO. TAM42920-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
287179	T230A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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Scale = 1:41.0

TOTAL WEIGHT = 65 lb

LUMBER				N. L. G. A. RULES	
CHORDS	SIZE	LUMBER	DESCR.	SPF	SPF
A - C	2x4	DRY	No.2	SPF	SPF
C - D	2x4	DRY	No.2	SPF	SPF
D - E	2x4	DRY	No.2	SPF	SPF
I - B	2x4	DRY	No.2	SPF	SPF
F - E	2x4	DRY	No.2	SPF	SPF
I - F	2x4	DRY	No.2	SPF	SPF

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

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	5.0	6.0	2.50	1.50
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	BMVWW-t	MT20	4.0	6.0		
H	BMVWW-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		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQRD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX	IN-SX
I	813	0	813	0	0	5-8	5-8		
F	697	0	697	0	0				

UNFACTORED REACTIONS		1ST LCASE		MAX / MIN COMPONENT REACTIONS		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	COMBINED	SNOW	LIVE	PERM. LIVE
I	651	388 / 0	130 / 0	0 / 0	0 / 0	132 / 0	0 / 0				
F	572	318 / 0	130 / 0	0 / 0	0 / 0	124 / 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 = 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		MAX. FACTORED FORCE		FACTORED VERT. LOAD		MAX. FACTORED FORCE		MEMB. MAX. FACTORED FORCE		WEBS		MAX. FACTORED FORCE	
MEMB.	FORCE (LBS)	VERT.	LOAD (PLF)	LC1	MAX	MEMB.	FORCE (LBS)	MAX	MEMB.	FORCE (LBS)	MAX	MEMB.	FORCE (LBS)
FR-TO						FR-TO			FR-TO			FR-TO	
A-B	0 / 32					A-B	-25 / 131	0.03 (3)	A-B	-25 / 131	0.03 (3)	A-B	-25 / 131
B-C	-408 / 0	-84.3	-84.3	0.11 (1)	10.00	B-C	-42 / 0	0.04 (1)	B-C	-42 / 0	0.04 (1)	B-C	-42 / 0
C-D	-332 / 0	-84.3	-84.3	0.01 (1)	6.25	C-D	-53 / 98	0.04 (1)	C-D	-53 / 98	0.04 (1)	C-D	-53 / 98
D-E	-401 / 0	-84.3	-84.3	0.32 (1)	6.25	D-E	0 / 373	0.08 (1)	D-E	0 / 373	0.08 (1)	D-E	0 / 373
I-B	-745 / 0	0.0	0.0	0.12 (1)	7.81	I-B	0 / 379	0.09 (1)	I-B	0 / 379	0.09 (1)	I-B	0 / 379
F-E	-634 / 0	0.0	0.0	0.12 (1)	7.81	F-E			F-E			F-E	
I-H	0 / 0	-28.0	-28.0	0.24 (3)	10.00	I-H			I-H			I-H	
H-G	0 / 338	-28.0	-28.0	0.28 (2)	10.00	H-G			H-G			H-G	
G-F	0 / 0	-28.0	-28.0	0.21 (3)	10.00	G-F			G-F			G-F	

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) = $L/360$ (0.41")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.05")
ALLOWABLE DEFL. (TL) = $L/360$ (0.41")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.08")

CSI: TC=0.37 (B-C:1), BC=0.28 (G-H:2), WB=0.09 (E-G:1), SSI=0.16 (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

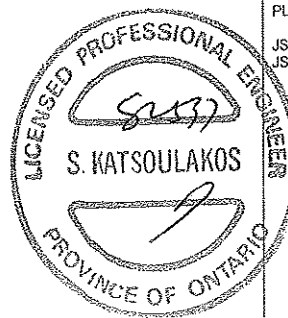
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION (PSI) (PLI) (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= 0.52 (B) (INPUT = 0.90)
JSI METAL= 0.14 (B) (INPUT = 1.00)



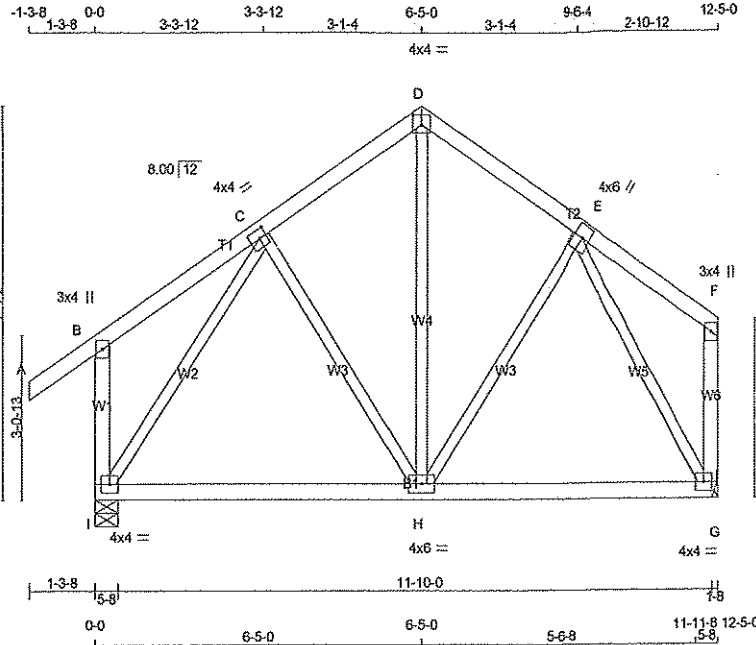
DWG NO. TAM 42924-17
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
287179	T240A	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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Scale = 1:43.6

TOTAL WEIGHT = 63 lb

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

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	2.25 2.00
E	TMWW+t	MT20	4.0	6.0	
F	TMV+p	MT20	3.0	4.0	
G	BMWW1-t	MT20	4.0	4.0	
H	BMWW1-t	MT20	4.0	6.0	
I	BMWW1-t	MT20	4.0	4.0	

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	HORZ	BRG	BRG	IN-SX	IN-SX
I	813	0	813	0	0	5-8	5-8		
G	697	0	697	0	0				

UNFACTORED REACTIONS

JT	1ST LCASE	MAX	MIN	COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL		
I	651	388 / 0	130 / 0	0 / 0	0 / 0	132 / 0	0 / 0		
G	572	318 / 0	130 / 0	0 / 0	0 / 0	124 / 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 = 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		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	0 / 32	C-H	-31 / 80
B-C	0 / 17	H-D	0 / 258
C-D	-409 / 0	H-E	0 / 100
D-E	-407 / 0	I-C	-626 / 0
E-F	0 / 17	E-G	-632 / 0
I-B	-219 / 0		
G-F	-85 / 0		
I-H	0 / 343		
H-G	0 / 312		

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, NBC 2010

THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 088-09
- 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 (0.41")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.41")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.14 (B-C:1), BC=0.35 (H-I:2), WB=0.35 (C-I:1), SSI=0.15 (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

AUTOSOLVE HEELS OFF

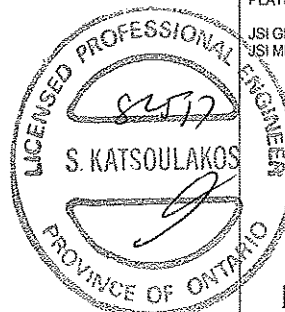
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

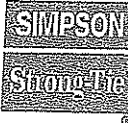
PLATE ROTATION TOL. = 5.0 Deg

JSI GRIP= 0.80 (C) (INPUT = 0.90)
JSI METAL= 0.22 (C) (INPUT = 1.00)



DWG NO. TAM 4292217
STRUCTURAL
COMPONENT ONLY

LUS – Double Shear Joist Hangers



All LUS hangers have double shear nailing. This patented innovation distributes the load through two points on each joist nail for greater strength. It also allows the use of fewer nails, faster installation and the use of common nails for all connections.

MATERIAL: 18 gauge

FINISH: G90 galvanized

DESIGN:

- Factored resistances are in accordance with CSA O86-14
- Uplift resistances have been increased 15%. No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

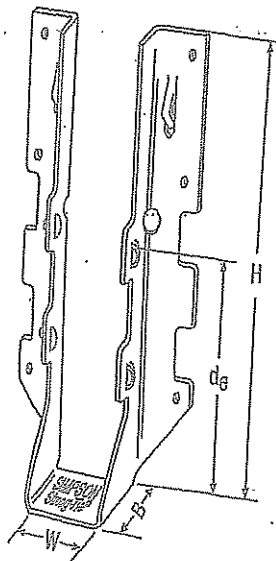
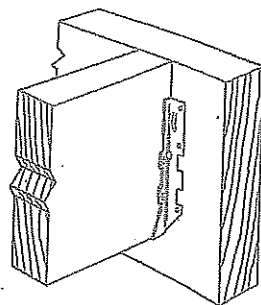
INSTALLATION:

- Use all specified fasteners
- Nails: 16d = 0.162" dia. x 3 1/2" long common wire, 10d = 0.148" x 3" long common wire.
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

OPTIONS:

- These hangers cannot be modified.

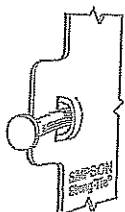
Typical LUS Installation



LUS28

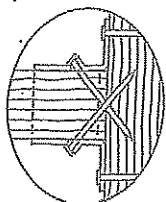
Model No.	Ga	Dimensions (in)				Fasteners		Factored Resistance (lbs)			
		W	H	B	dg1	Face	Joist	D.Fir-L		S.P-F	
								Uplift (K _p =1.15)	Normal (K _p =1.00)	Uplift (K _p =1.15)	Normal (K _p =1.00)
LUS24	18	1 3/8	3 1/4	1 3/4	1 1/8	4-10d	2-10d	710	1630	645	1155
LUS24-2	18	3 1/8	3 1/4	2	1 1/8	4-16d	2-16d	835	2020	590	1435
LUS26	18	1 3/8	4 3/4	1 3/4	3/8	4-10d	4-10d	1420	2170	1290	1630
LUS26-2	18	3 1/8	4 3/4	2	4	4-16d	4-16d	1720	2595	1545	1920
LUS26-3	18	4 3/8	4 3/4	2	3/4	4-16d	4-16d	1720	2595	1545	2340
LUS28	18	1 3/8	6 3/4	1 3/4	3/8	6-10d	4-10d	1420	2520	1290	1790
LUS28-2	18	3 1/8	7	2	4	6-16d	4-16d	1720	3325	1545	2575
LUS28-3	18	4 3/8	6 3/4	2	3/4	6-16d	4-16d	1720	3325	1545	2375
LUS210	18	1 3/8	7 3/4	1 3/4	3/8	8-10d	4-10d	1420	2785	1290	2210
LUS210-2	18	3 1/8	9	2	6	8-16d	6-16d	2580	4500	2320	3185
LUS210-3	18	4 3/8	8 3/4	2	5 1/4	8-16d	6-16d	2580	3345	2320	2375

1. dg is the distance from the seat of the hanger to the highest joist nail.

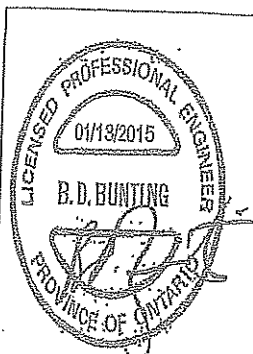


Double Double Shear Nailing prevents tabs breaking off (available on some models).

U.S. Patent 5,683,580



Double Shear Nailing Top View.



This technical bulletin is effective until December 31, 2016, and reflects information available as of January 1, 2015. This information is updated periodically and should not be relied upon after December 31, 2016. Contact Simpson Strong-Tie for current information and limited warranty or see www.strongtie.com.

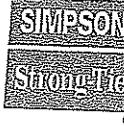
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T-SPEC LUS15 1/15 ver. 12/16

800-999-5099

www.strongtie.com

HUS/LJS - Double Shear Joist Hangers



All hangers have double shear nailing. This patented innovation distributes the load through two points on each joist nail for greater strength. It also allows the use of fewer nails, faster installation and the use of common nails for all connections. Do not bend or remove tabs.

MATERIAL: See table

FINISH: G90 galvanized

DESIGN:

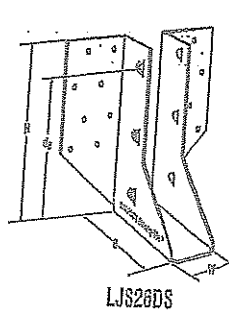
- Factored resistances are in accordance with CSA 086-14
- Uplift resistances have been increased 15%. No further increase is permitted
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

INSTALLATION:

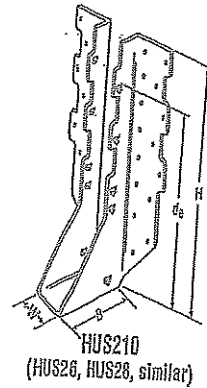
- Use all specified fasteners
- Nails: 16d = 0.162" dia. x 3 1/2" long common wire
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

OPTIONS:

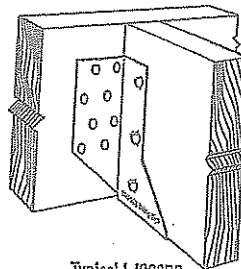
- See current catalogue for options



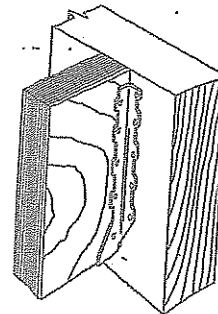
LJS26DS



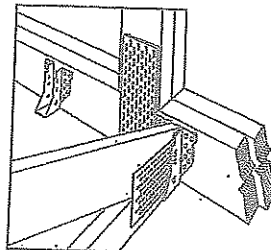
HUS210
(HUS26, HUS28, similar)



Typical LJS26DS
Installation



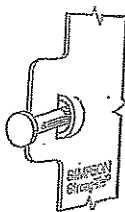
Typical HUS
Installation



Typical HUS Installation
(Truss Designer to provide fastener
quantity for connecting multiple
members together)

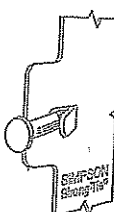
Model No.	Ga	Dimensions (in)		Fasteners		Factored Resistance (lbs)			
						D-Fir-L		S-P-F	
		W	H	B	d _g ¹	Face	Joist	Uplift (K _u =1.15)	Normal (K _n =1.00)
LJS26DS	18	1 1/8	5	3 1/2	4 1/2	16-16d	6-16d	2055	4265
HUS26	18	1 1/8	5 1/2	3	3 1/8	14-16d	6-16d	2705	4940
HUS28	18	1 1/8	7 1/2	3	6 1/2	22-16d	8-16d	3605	5365
HUS210	18	1 1/8	9 1/2	3	7 3/4	30-16d	10-16d	4505	5795
HUS1.81/10	18	1 1/8	9	3	8	30-16d	10-16d	4505	5795

1. d_g is the distance from the seat of the hanger to the highest joist nail.

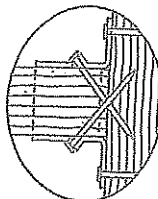


Double Shear Nailing prevents tabs breaking off (available on some models).

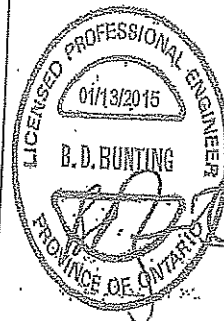
U.S. Patent
5,603,560



Double Shear Nailing Side View. Do not bend tab back.



Double Shear Nailing Top View.



U.S. PATENT
5,603,560

This document is a technical bulletin and is not a contract. It is subject to change without notice. For more information, contact Simpson Strong-Tie at 1-800-999-8099 or visit our website at www.simpsonstrongtie.com.

800-999-8099
www.simpsonstrongtie.com

1-SP-CHUS16-3/11 exp. 12/16

HGUS – Double Shear Joist Hangers



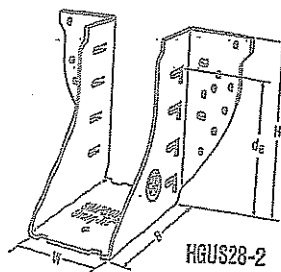
All HGUS hangers have double shear nailing. This patented innovation distributes the load through two points on each joist nail for greater strength. It also allows the use of fewer nails, faster installation and the use of common nails for all connections. Do not bend or remove tabs.

MATERIAL: 12 gauge

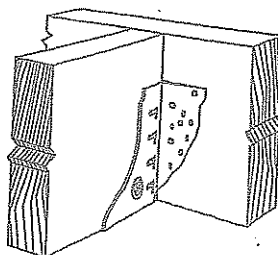
FINISH: G90 galvanized

DESIGN:

- Factored resistances are in accordance with CSA 086-14
- Uplift resistances have been increased 15%.
No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.



HGUS28-2



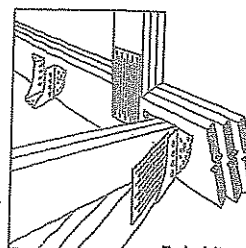
Typical HGUS Installation

INSTALLATION:

- Use all specified fasteners
- Nails: 16d = 0.162" dia x 3 1/2" long common wire
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

OPTIONS:

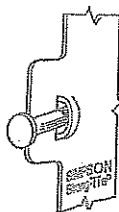
- See current catalogue for options.



Typical HGUS Installation
(Truss Designer to provide fastener quantity for connecting multiple members together)

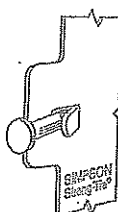
Model No.	Ga	Dimensions (in)				Fasteners		Factored Resistance (lbs)			
		W	H	B	d ₂ ¹	Face	Joist	D.Fir-L		S-P-F	
								Uplift (K _u =1.15)	Normal (K _u =1.00)	Uplift (K _u =1.15)	Normal (K _u =1.00)
HGUS28	12	1 1/2	5 1/2	5	4 1/2	20-16d	8-16d	2685	6625	2685	5700
HGUS28-2	12	3 1/2	5 1/2	4	4 1/2	20-16d	8-16d	4385	8950	3100	6355
HGUS28-3	12	4 1/2	5 1/2	4	4 1/2	20-16d	8-16d	4385	8950	3100	6355
HGUS28-4	12	6 1/2	5 1/2	4	4 1/2	20-16d	8-16d	4385	8950	3100	6355
HGUS28	12	1 1/2	7 1/2	5	6 1/2	38-16d	12-16d	3310	7675	3100	6300
HGUS28-2	12	3 1/2	7 1/2	4	6 1/2	38-16d	12-16d	6070	12980	4310	9215
HGUS28-3	12	4 1/2	7 1/2	4	6 1/2	38-16d	12-16d	6070	12980	4310	9215
HGUS28-4	12	6 1/2	7 1/2	4	6 1/2	38-16d	12-16d	6070	12980	4310	9215
HGUS210-2	12	3 1/2	9 1/2	4	8 1/2	48-16d	16-16d	6840	14645	4855	10400
HGUS210-3	12	4 1/2	9 1/2	4	8 1/2	48-16d	16-16d	6840	14645	4855	10400
HGUS210-4	12	6 1/2	9 1/2	4	8 1/2	48-16d	16-16d	6840	14645	4855	10400
HGUS212-4	12	6 1/2	10 1/2	4	10 1/2	58-16d	20-16d	7640	14995	5425	10645
HGUS214-4	12	6 1/2	12 1/2	4	11 1/2	68-16d	22-16d	10130	16400	7195	11645

1. d₂ is the distance from the seat of the hanger to the highest joist nail.

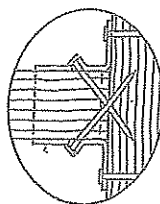


Dome Double Shear Nailing prevents tabs breaking off (available on some models).

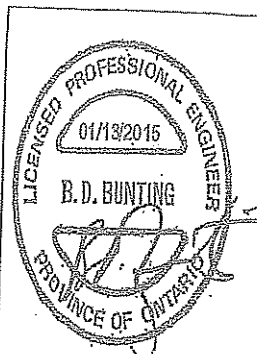
U.S. Patent
5,603,580



Double Shear Nailing Side View. Do not bend tab back.



Double Shear Nailing Top View.



DESIGN

© 2015 Simpson Strong-Tie Company
SPECHGUS16 1/16 12/10

800-999-5099
www.strongtie.com

LUMBER SPECIFICATION

TOP CHORD : 2x4 SPF#2

BOTTOM CHORD : 2x4 SPF#2

WEBS : 2x6 SPF#2

UNLESS OTHERWISE SHOWN

DESIGN LOAD:

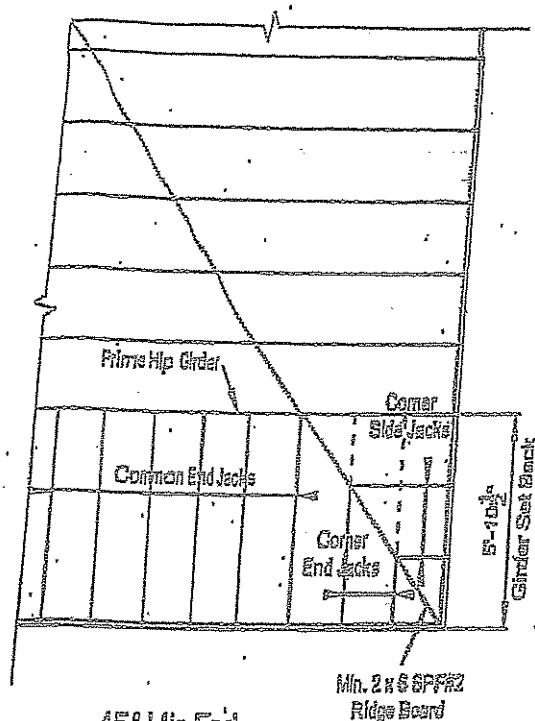
TOP CHORD LIVE LOAD : 39.4 P.S.F.

TOP CHORD DEAD LOAD : 3.0 P.S.F.

BOTTOM CHORD LIVE LOAD : 10.5 P.S.F.

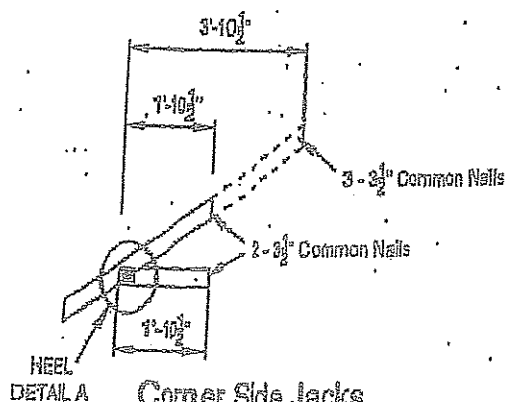
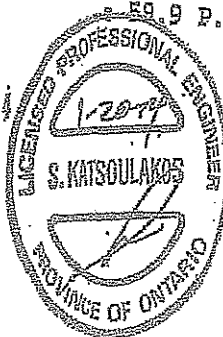
BOTTOM CHORD DEAD LOAD : 7.0 P.S.F.

TOTAL LOAD : 59.9 P.S.F.

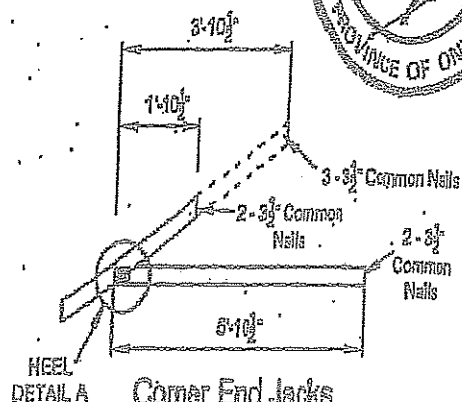


45° Hip End

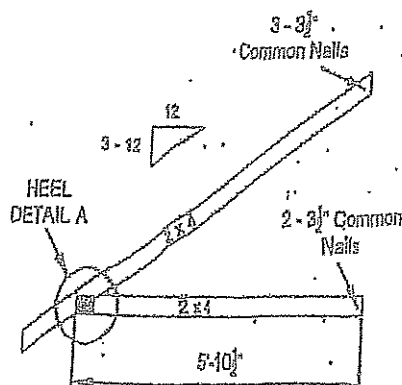
DWG NO. T&M 2495.14
STRUCTURAL
COMPONENT ONLY



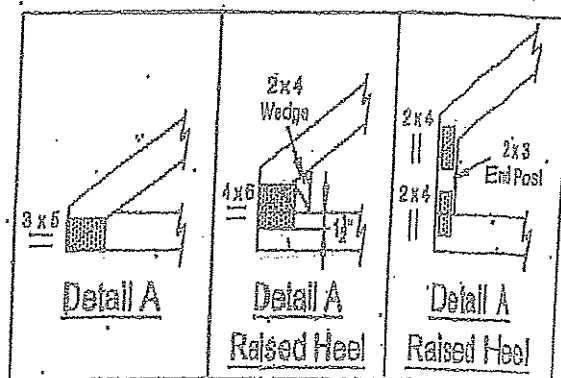
Corner Side Jacks



Corner End Jacks



Common End Jacks

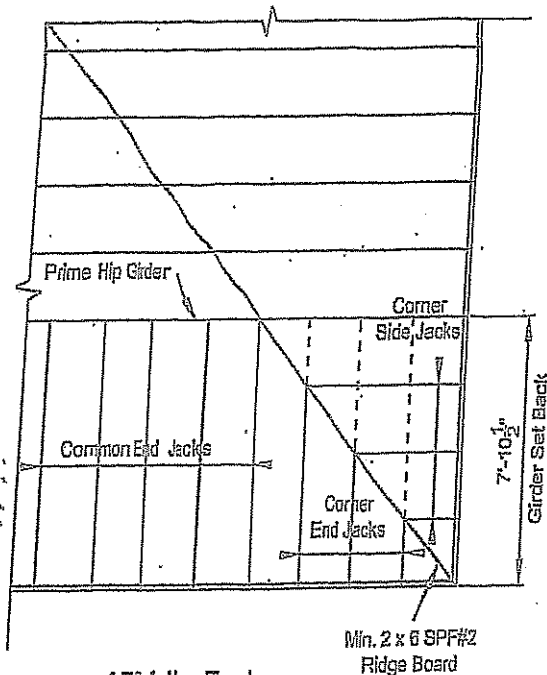


LUMBER SPECIFICATION

TOP CHORD : 2x4 SPF#2
 BOTTOM CHORD : 2x4 SPF#2
 WEBS : 2x3 SPF#2
 UNLESS OTHERWISE SHOWN

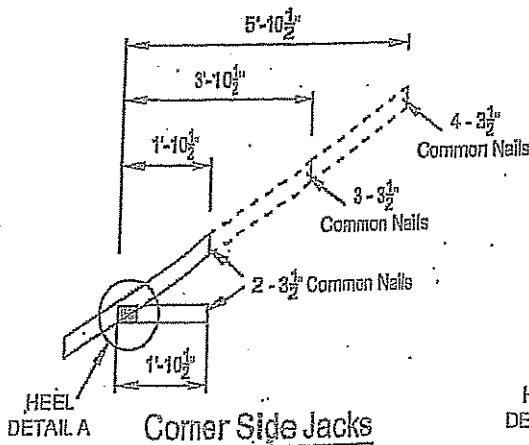
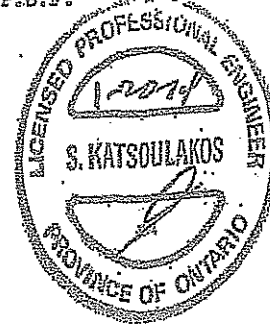
DESIGN LOAD:

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.

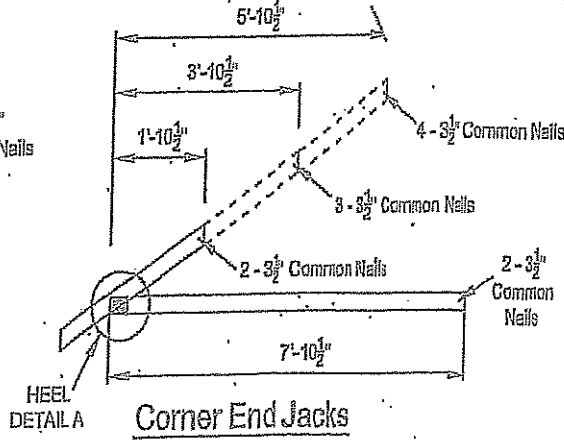


45° Hip End

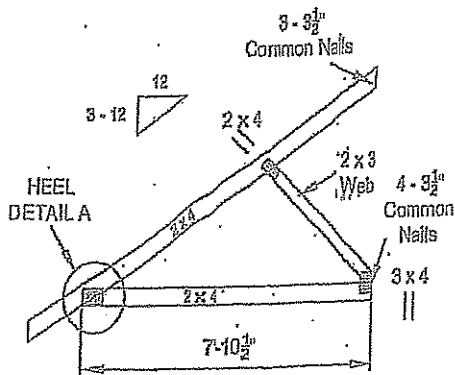
DWG NO YAM 3503 14
 STRUCTURAL
 COMPONENT ONLY



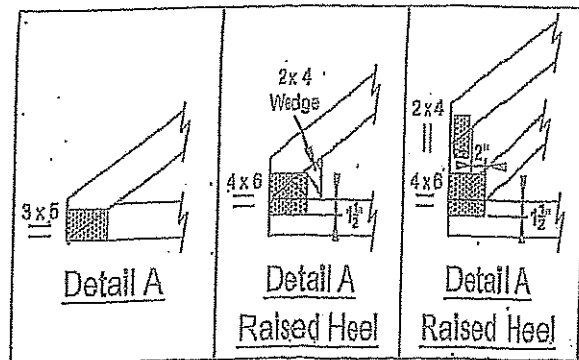
Corner Side Jacks



Corner End Jacks



Common End Jacks

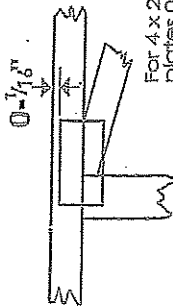


NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (LIMIT STATES DESIGN)
 (TO BE INCLUDED AND USED AS PART OF A FULL TRUSS ENGINEERING PACKAGE)

Symbols

PLATE LOCATION AND ORIENTATION

Center plate on joint unless x, y offsets are indicated. Dimensions are in 1/16-in.-sixteenths or mm. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0-1/8" 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



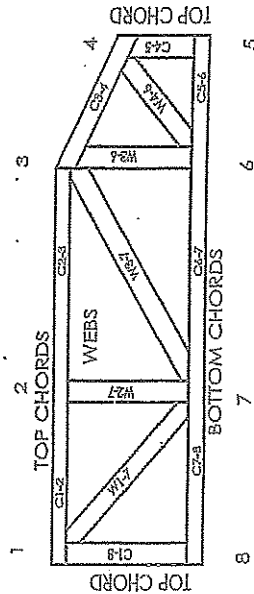
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

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

6-4-8 dimensions shown in 1/16-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

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Mitek
POWER VS PERFORM™

Mitek Engineering Reference Sheet: MII-7473C rev. 10-08

General Safety Notes

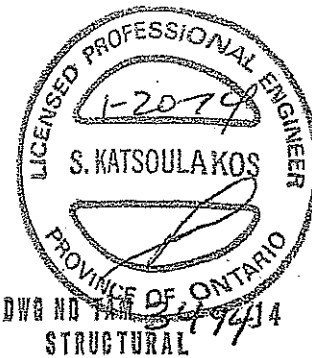
Failure to Follow Could Cause Property Damage or Personal Injury

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 bracing themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loadings 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 waste 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)



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.