Site Copy

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

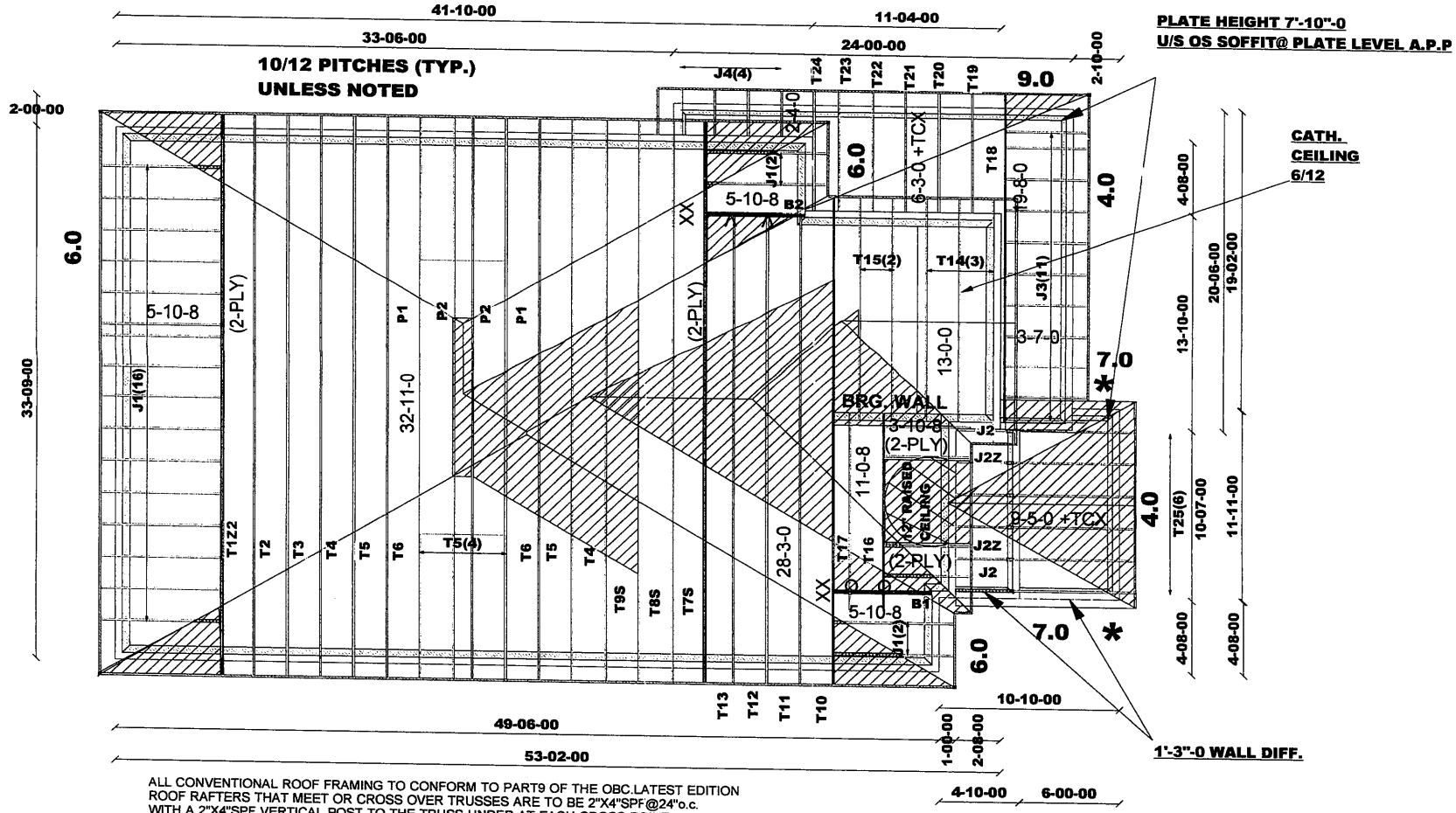
HARDWARE:

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

NOTE:

*- 6" FIN. O.H

ALL B-2-2X10 (FLUSH)



T-170587

DENOTES:
CONVENTIONAL
FRAMING

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

DESIGN LOADS:

SNOW LOAD 32.5 PSF
TC DEAD 6 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

011,576

TAMARACK LUMBER INC. ALPA LUMBER GROUP	Job Track: 44755	Builder / Location: BAYVIEW WELLINGTON HOMES / BRADFORD	Model / Elevation: S42-17 /A STD
	Layout ID: 296805	Project: GREEN VALLEY EAST	
	Plan Log: 93746	Date: 4/9/2018 Designer: sonny	

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 UTLILZED FOR ANY OTHER PURPOSE.

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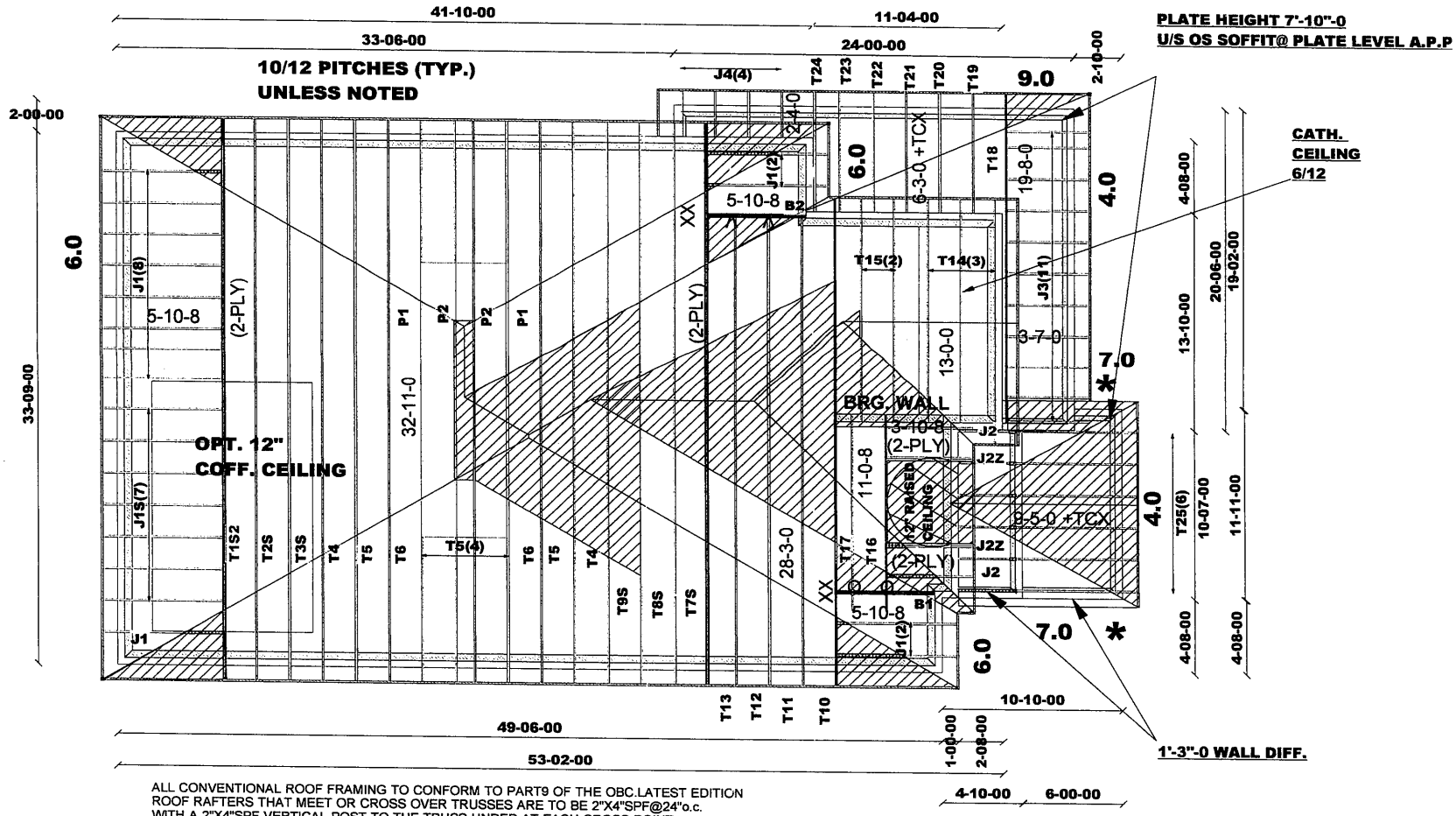

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TAMARACK LUMBER INC. ALPA LUMBER GROUP	Job Track: 44755	Builder / Location: BAYVIEW WELLINGTON HOMES / BRADFORD	Model / Elevation: S42-17 /A STD+OPT. COFF.
	Layout ID: 296798	Project: GREEN VALLEY EAST	THESE DRAWINGS CONSTITUTE THE PROPERTY OF TAMARACK 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 UTLILZED FOR ANY OTHER PURPOSE.
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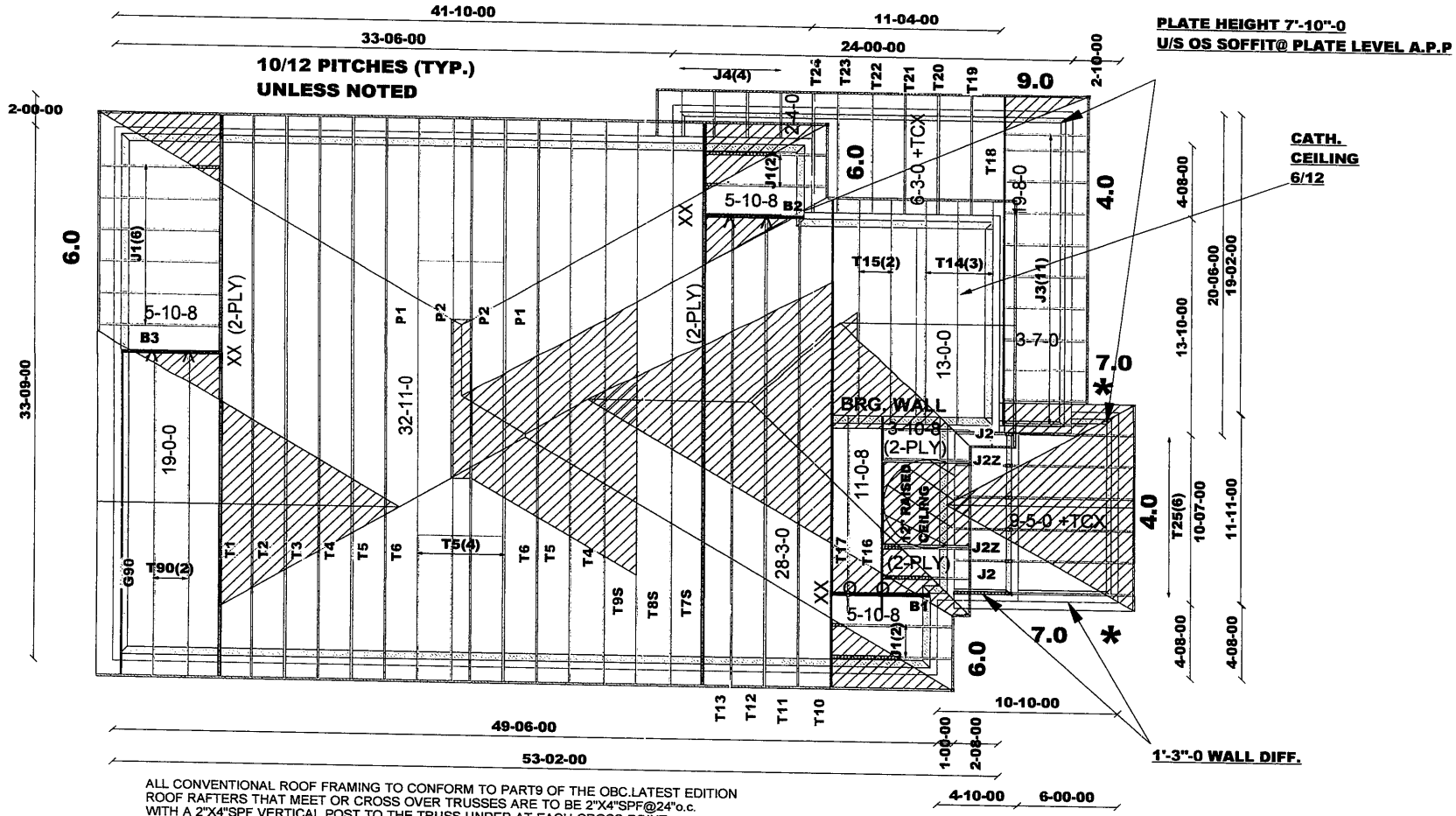

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BC DEAD 7 PSF

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TAMARACK TRUSSES INC. / SPA LUMBER GROUP	Job Track: 44755	Builder / Location: BAYVIEW WELLINGTON HOMES / BRADFORD	Model / Elevation: S42-17 /A REAR UPGRADE
	Layout ID: 286843	Project: GREEN VALLEY EAST	
	Plan Log: 93746	Date: 4/9/2018 Designer: sonny	

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2X6 FASCIA BOARD

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LJS26DS -(V)
LUS24 - (O)

NOTE:

*- 6" FIN. O.H

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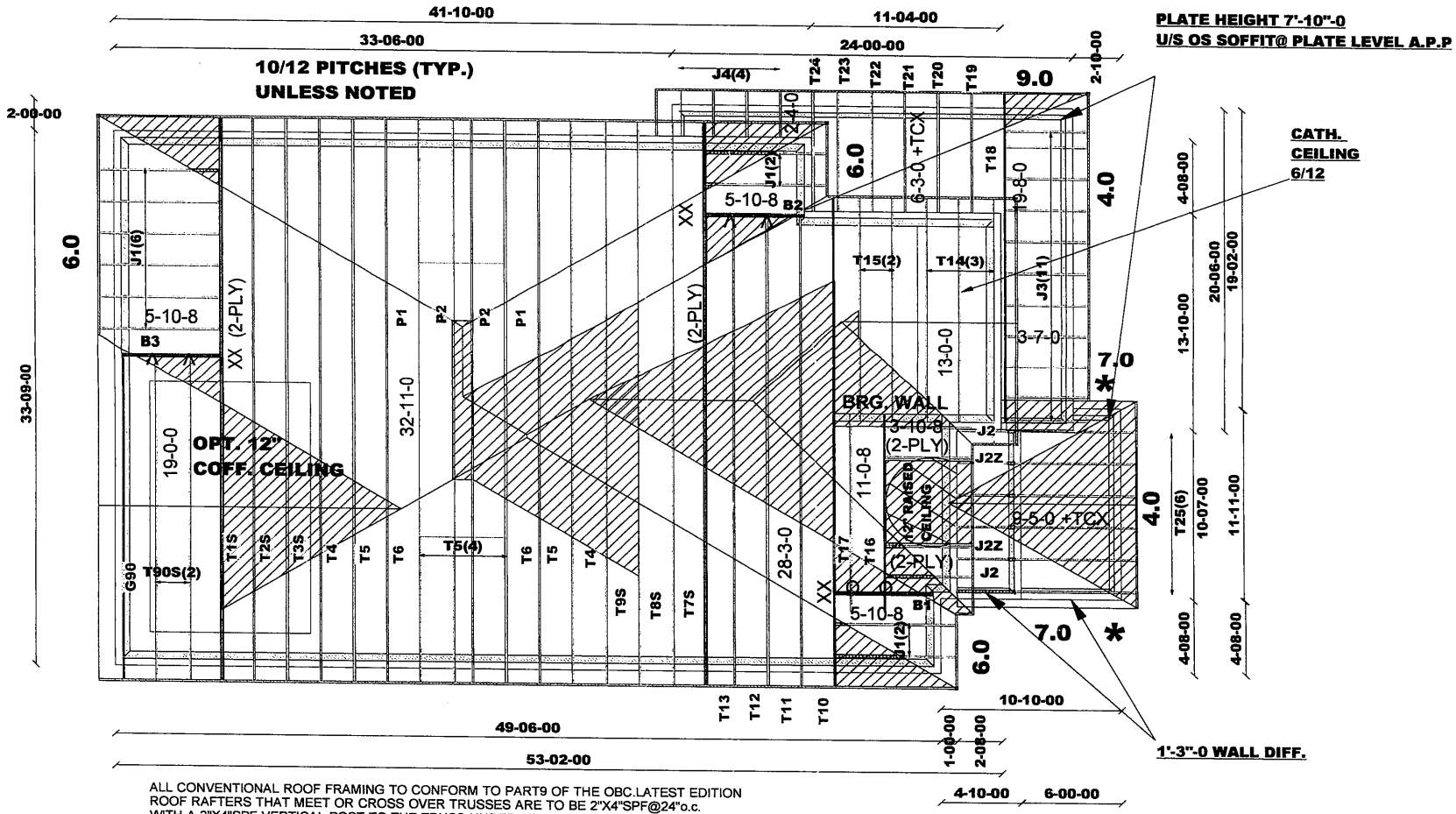

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M11,576

TAMARACK LUMBER INC. ALPA LUMBER GROUP	Job Track: 44755	Builder / Location: BAYVIEW WELLINGTON HOMES / BRADFORD	Model / Elevation: S42-17 /A REAR UPGRADE+OPT. COFF.
	Layout ID: 286842	Project: GREEN VALLEY EAST	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 UTLILZED FOR ANY OTHER PURPOSE.
	Plan Log: 93746	Date: 4/9/2018 Designer: sonny	Mitek ver 7.5.0

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

HARDWARE:

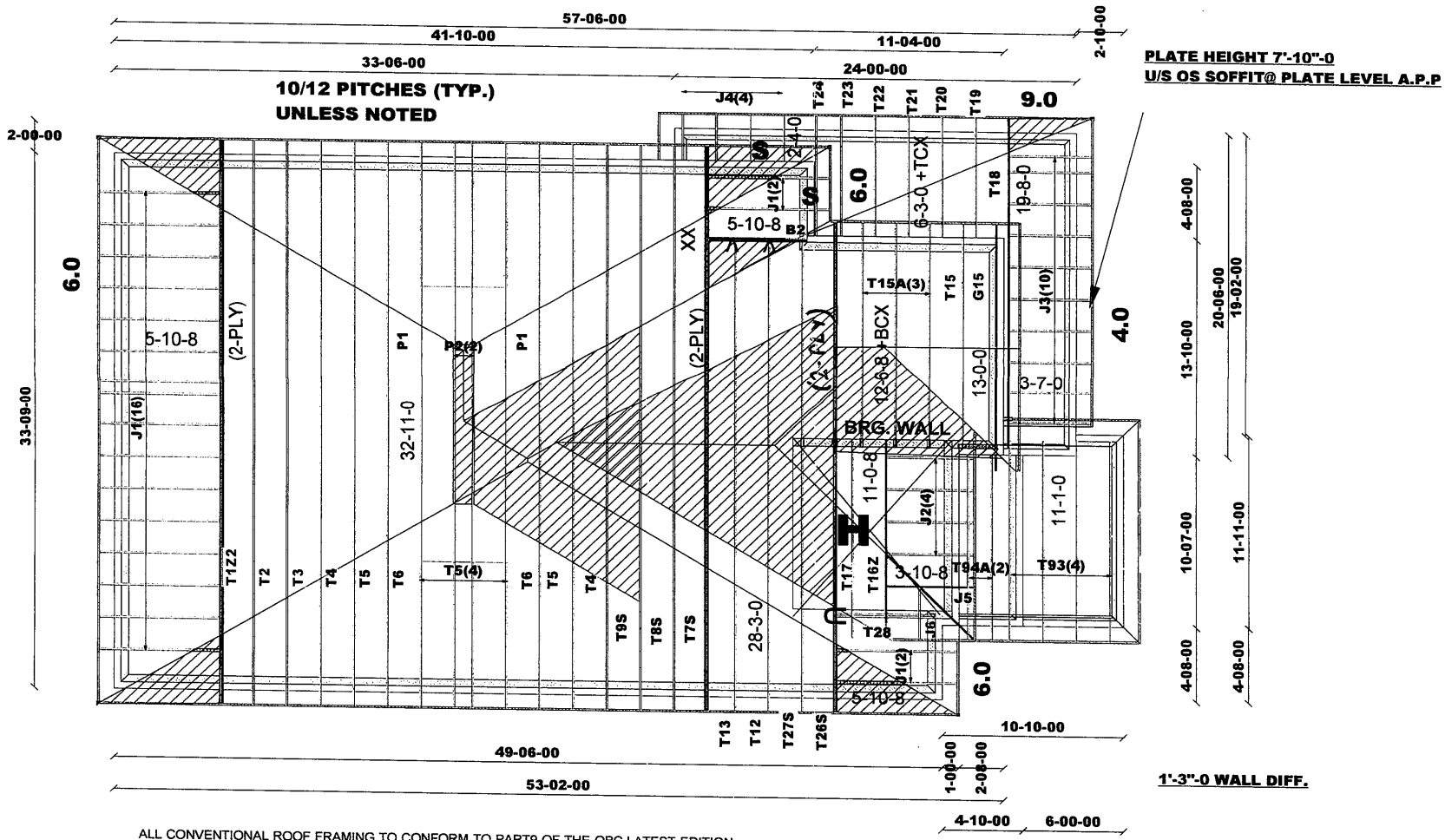
HUSC26-2 -(U)
HGUS26-2 -(XX)
LJS26DS -(V)

NOTE:

S -STUCCO

H -2'-0-0 HIGHER PLATE

ALL B-2-2X10 (FLUSH)



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BC DEAD 7 PSF

711,576

TAMARACK LUMBER INC. ALPA LUMBER GROUP	Job Track: 44755	Builder / Location: BAYVIEW WELLINGTON HOMES / BRADFORD	Model / Elevation: S42-17 B STD
	Layout ID: 296816	Project: GREEN VALLEY EAST	
	Plan Log: 93746	Date: 4/9/2018 Designer: sonny	

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

HARDWARE:

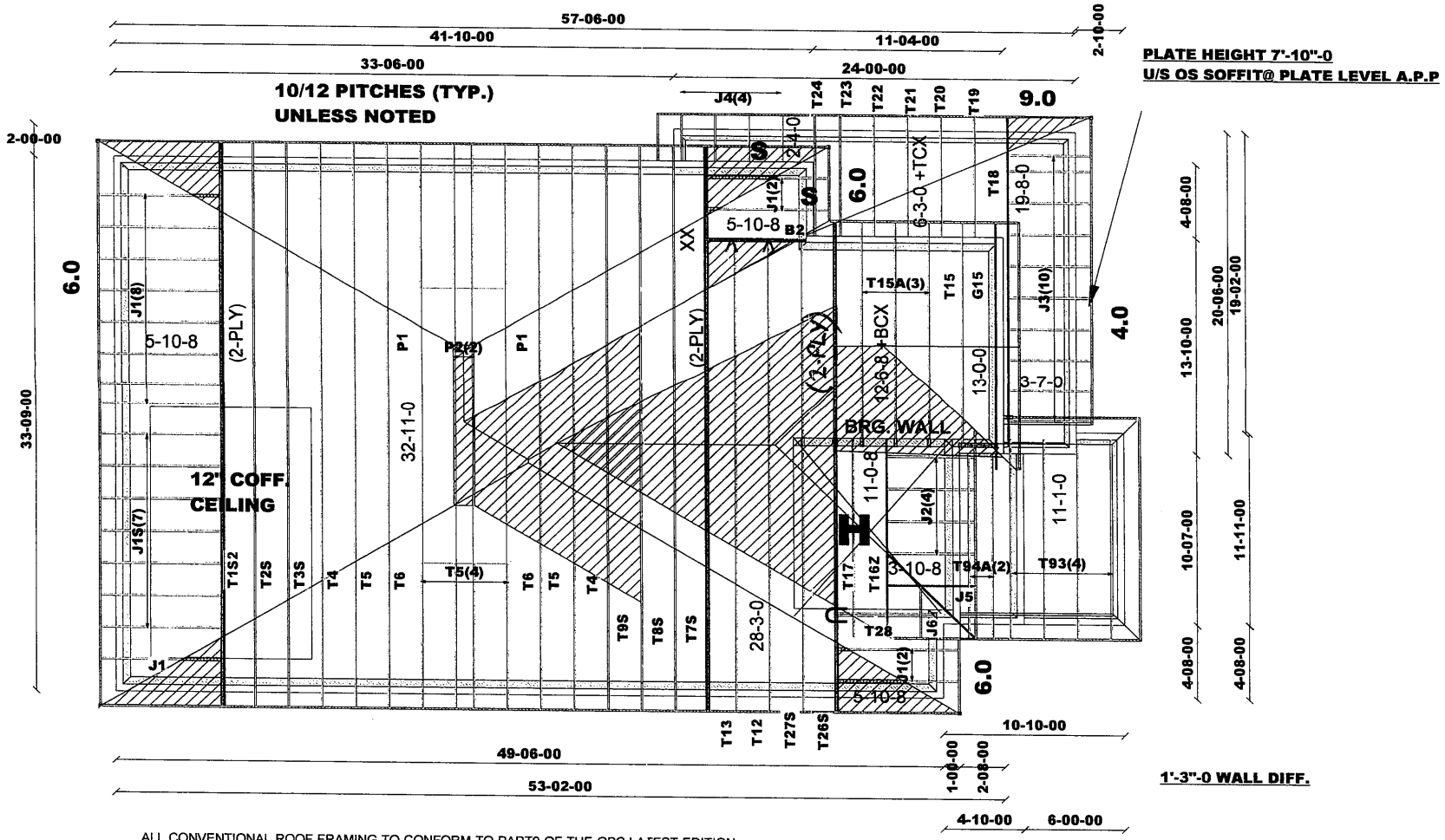
HUSC26-2 -(U)
HGUS26-2 -(XX)
LJS26DS -(V)

NOTE:

S -STUCCO

H -2'-0-0 HIGHER PLATE

ALL B-2-2X10 (FLUSH)



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BC DEAD 7 PSF

m11,576

TAMARACK LUMBER INC. ALPA LUMBER GROUP	Job Track: 44755	Builder / Location: BAYVIEW WELLINGTON HOMES / BRADFORD	Model / Elevation: S42-17 B STD+OPT.COFF.
	Layout ID: 296827	Project: GREEN VALLEY EAST	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 UTLILZED FOR ANY OTHER PURPOSE.
	Plan Log: 93746	Date: 4/9/2018 Designer: sonny	Mitek ver 7.5.0

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

HARDWARE:

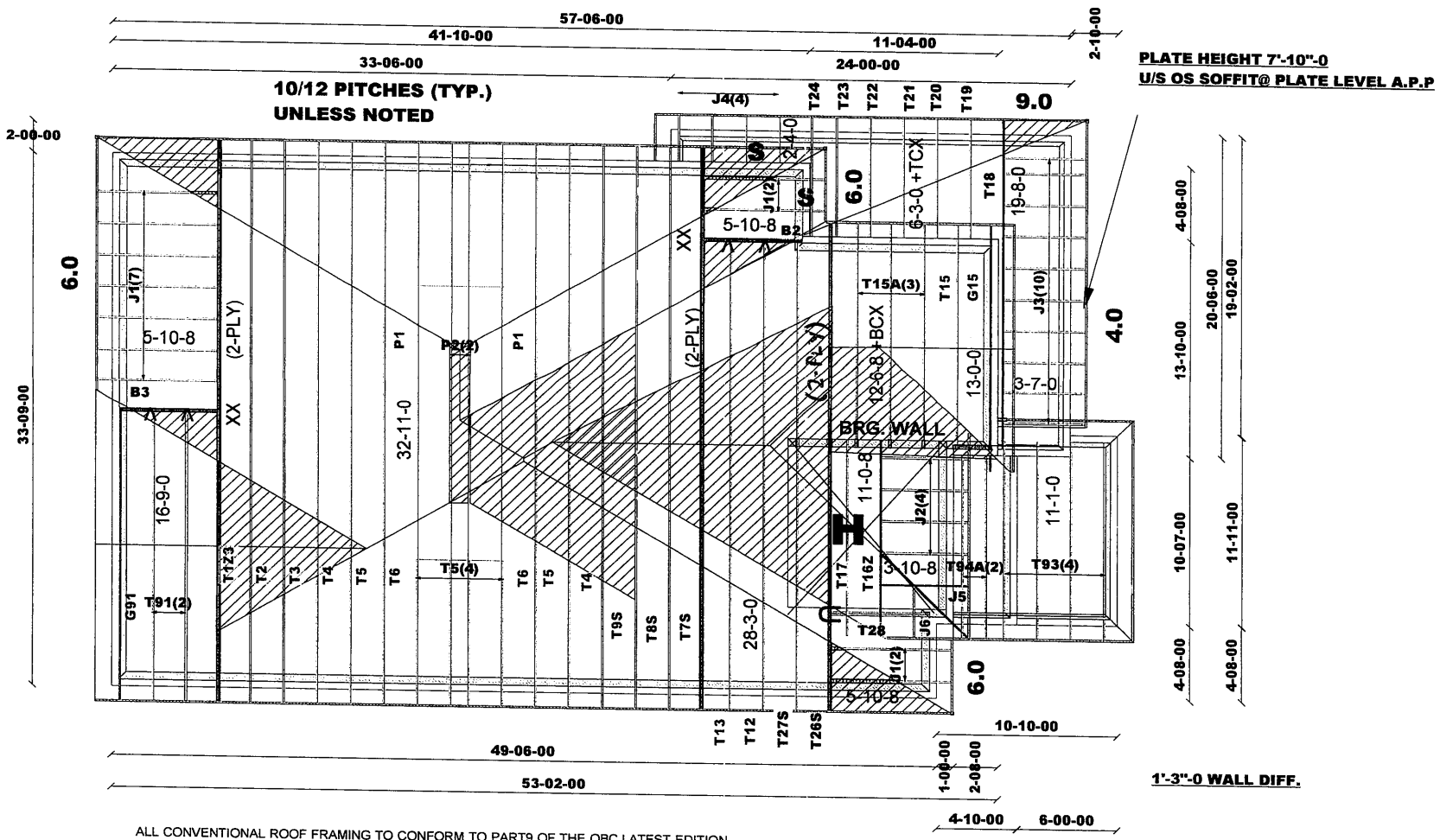
HUSC26-2 -(U)
HGUS26-2 -(XX)
LJS26DS -(V)

NOTE:

S -STUCCO

H -2'-0-0 HIGHER PLATE

ALL B-2-2X10 (FLUSH)



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TAMARACK LUMBER INC. ALPA LUMBER GROUP	Job Track: 44755	Builder / Location: BAYVIEW WELLINGTON HOMES / BRADFORD	Model / Elevation: S42-17 B REAR UPGRADE
	Layout ID: 286845	Project: GREEN VALLEY EAST	
	Plan Log: 93746	Date: 4/9/2018 Designer: sonny	

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

HARDWARE:

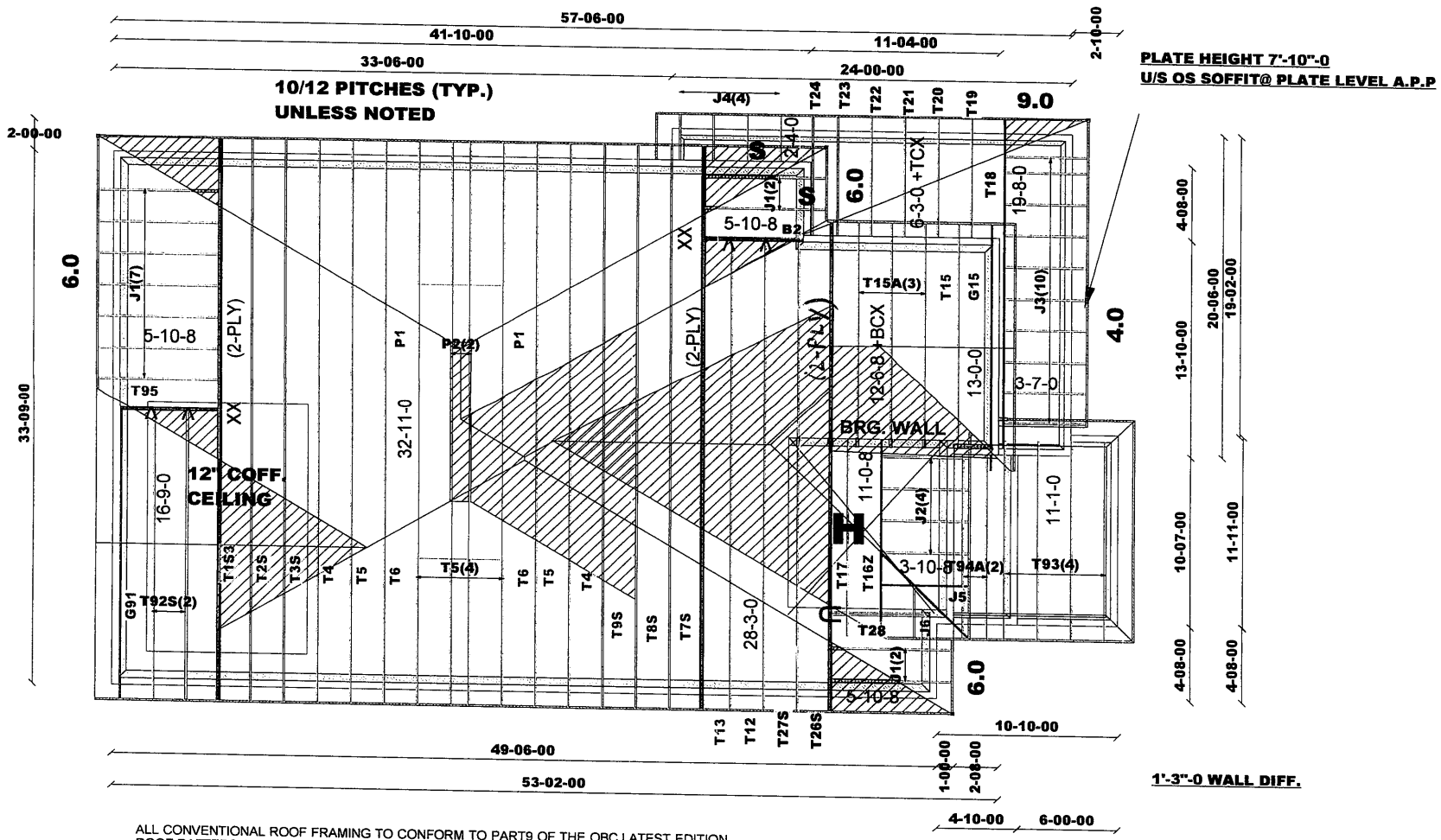
HUSC26-2 -(U)
HGUS26-2 -(XX)
LJS26DS -(V)

NOTE:

S -STUCCO

H -2'-0-0 HIGHER PLATE

ALL B-2-2X10 (FLUSH)



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	Layout ID: 286844	Project: GREEN VALLEY EAST	
	Plan Log: 93746	Date: 4/9/2018 Designer: sonny	

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2X6 FASCIA BOARD

HARDWARE:

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LJS26DS -(V)

NOTE:

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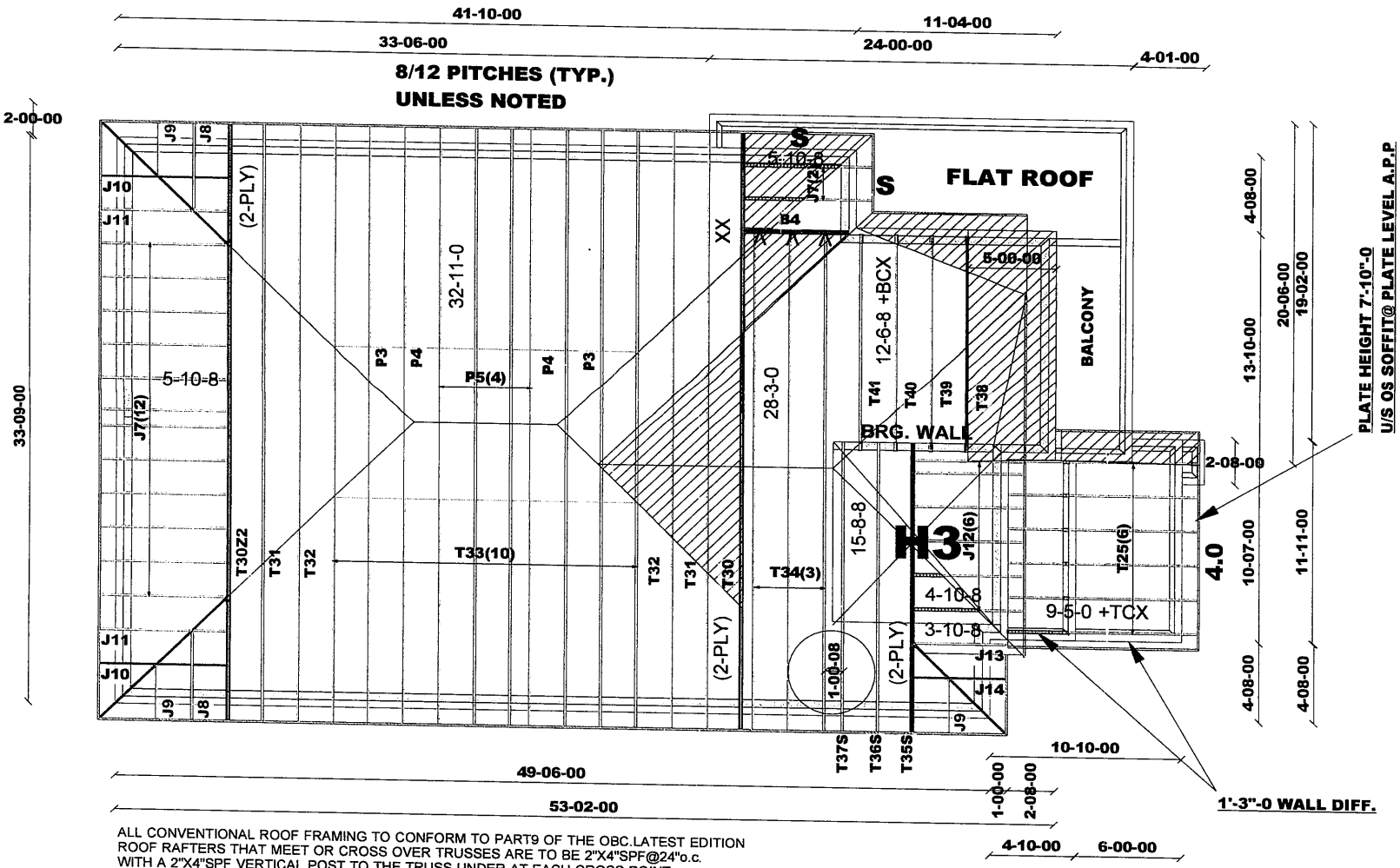
H3 -3'-1"-0 HIGHER PLATE

ALL B-2-2X10 (FLUSH)



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	Layout ID: 296845	Project: GREEN VALLEY EAST	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 UTLILZED FOR ANY OTHER PURPOSE.
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2X6 FASCIA BOARD

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NOTE:

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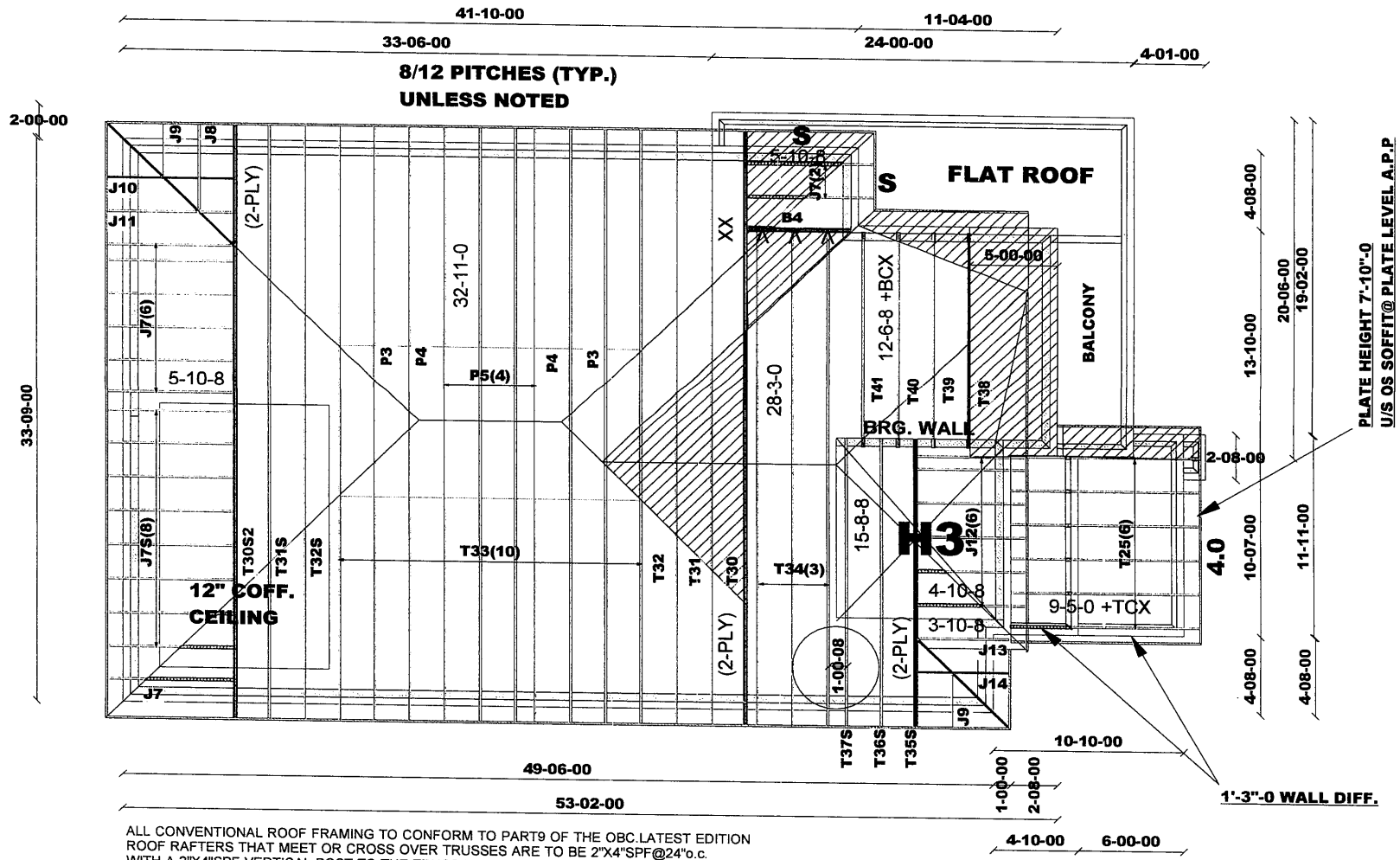

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TAMARACK LUMBER INC. ALPA LUMBER GROUP	Job Track: 44755	Builder / Location: BAYVIEW WELLINGTON HOMES / BRADFORD	Model / Elevation: S42-17 C STD+OPT. COFF.
	Layout ID: 296838	Project: GREEN VALLEY EAST	THESE DRAWINGS CONSTITUTE THE PROPERTY OF TAMARACK 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 UTLILZED FOR ANY OTHER PURPOSE.
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HARDWARE:

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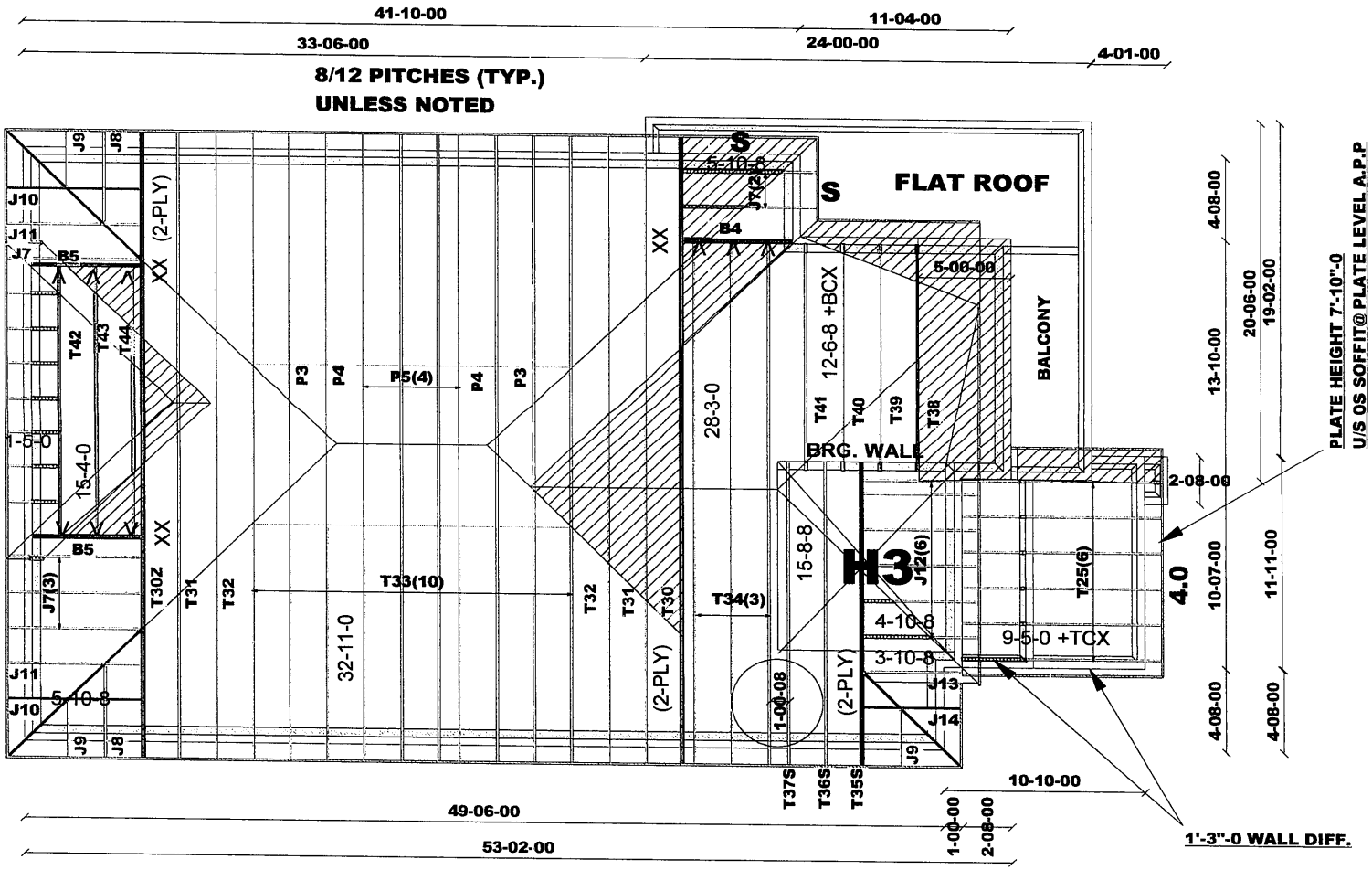
NOTE:

S - STUCCO

H3 -3'-1"-0 HIGHER PLATE

ALL B-2-2X10 (FLUSH)

1'-4"-0 RAISED FASCIA



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	Layout ID: 286847	Project: GREEN VALLEY EAST	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 UTLILZED FOR ANY OTHER PURPOSE.
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R.T.M.C
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2X6 FASCIA BOARD

HARDWARE:

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LJS26DS -(V)

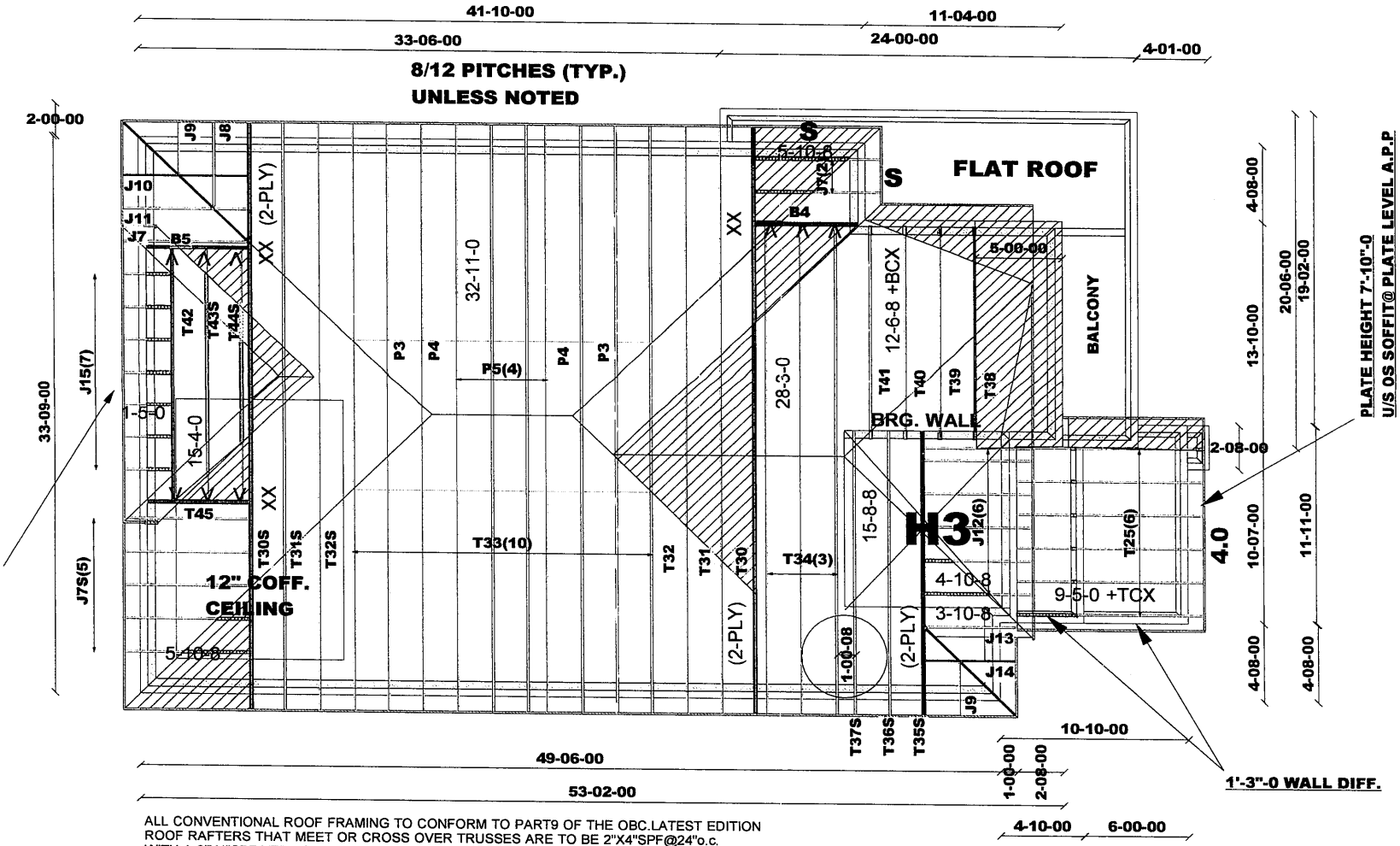
NOTE:

S - STUCCO

H3 -3'-1"-0 HIGHER PLATE

ALL B-2-2X10 (FLUSH)

1'-4"-0 RAISED FASCIA



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BC DEAD 7 PSF

M11,576

TAMARACK LUMBER INC. ALPA LUMBER GROUP	Job Track: **44755**	Builder / Location: **BAYVIEW WELLINGTON HOMES / BRADFORD**	Model / Elevation: **S42-17 C REARUPGRADE+OPT. COFF.**
	Layout ID: **286846**	Project: **GREEN VALLEY EAST**	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 UTLILZED FOR ANY OTHER PURPOSE.
	Plan Log: **93746**	Date: **4/9/2018** Designer: sonny	Mitek ver 7.5.0

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

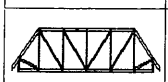
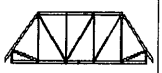
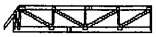
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 296805 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 **ELEVATION:** A STD

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1 / 2 Ply	T1Z2 HIP GIRDER	10.00 / 0.00	32-11-00	04-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	377.72 / 229.34		
	1	T2 HIP	10.00 / 0.00	32-11-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	140.25 / 90.17		
	1	T3 HIP	10.00 / 0.00	32-11-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	141.79 / 89.67		
	2	T4 HIP	10.00 / 0.00	32-11-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	316.84 / 201.00		
	6	T5 PIGGYBACK	10.00 / 0.00	32-11-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	919.38 / 586.02		
	2	T6 HIP	10.00 / 0.00	32-11-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	320.48 / 202.34		
	1 / 2 Ply	T7S ROOF	10.00 / 0.00	32-11-00	07-11-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	439.38 / 270.34		
	1	T8S ROOF	10.00 / 0.00	32-11-00	08-11-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	158.32 / 101.83		
	1	T9S ROOF	10.00 / 0.00	32-11-00	09-11-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	166.52 / 105.33		
	1	T10 HIP GIRDER	10.00 / 0.00	28-03-00	04-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	167.48 / 103.00		
	1	T11 HIP	10.00 / 0.00	28-03-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	120.75 / 78.17		
	1	T12 HIP	10.00 / 0.00	28-03-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	120.89 / 76.00		
	1	T13 HIP	10.00 / 0.00	28-03-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	136.04 / 86.50		
	3	T14 SCISSOR	10.00 / 6.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	182.64 / 117.00		
	2	T15 COMMON	10.00 / 0.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	124.22 / 79.00		
	1	T16 HALF HIP	10.00 / 0.00	11-00-08	04-10-07	2 X 4	2 X 6	01-03-08 / 00-00-00	01-07-11 / 04-10-07	60.08 / 39.67		
	1	T17 HALF HIP	10.00 / 0.00	11-00-08	06-06-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 06-06-07	55.79 / 36.00		
	1	T18 HALF HIP	9.00 / 0.00	19-08-00	02-01-08	2 X 4	2 X 6	01-03-08 / 00-00-00	01-06-04 / 02-01-08	83.07 / 51.67		

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

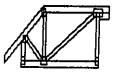
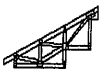
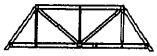
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 296805 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S42-17 ELEVATION: A STD

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	T19 HALF HIP	9.00 / 0.00	06-03-00	02-09-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 02-09-08	29.29 / 20.33		
	1	T20 HALF HIP	9.00 / 0.00	06-03-00	03-05-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 03-05-08	31.20 / 21.50		
	1	T21 HALF HIP	9.00 / 0.00	06-03-00	04-01-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 04-01-08	33.38 / 23.17		
	1	T22 HALF HIP	9.00 / 0.00	06-03-00	04-09-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 04-09-08	35.80 / 24.83		
	1	T23 HALF HIP	9.00 / 0.00	06-03-00	05-05-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 05-05-08	38.45 / 25.33		
	1	T24 HALF HIP	9.00 / 0.00	06-03-00	05-11-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 05-11-08	31.80 / 21.67		
	6	T25 MONOPITCH	4.00 / 0.00	09-05-00	04-03-15	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 03-00-15	265.56 / 186.00		
	2	P1 PIGGYBACK	10.00 / 0.00	16-01-11	01-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-13 / 00-04-13	106.08 / 70.68		
	2	P2 PIGGYBACK	10.00 / 0.00	16-01-11	02-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-13 / 00-04-13	109.96 / 71.66		
	20	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	335.80 / 213.40		
	2	J2 JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 04-10-07	27.50 / 17.34		
	2 / 2 Ply	J2Z JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 04-10-07	55.00 / 34.68		
	11	J3 JACK	4.00 / 0.00	03-07-00	02-01-08	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 02-01-08	116.05 / 80.63		
	4	J4 JACK	9.00 / 0.00	02-04-00	03-03-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 03-03-04	37.24 / 26.68		

TOTAL # TRUSS= **87.00** TOTAL BFT OF ALL TRUSSES= **3380.95** BFT. TOTAL WEIGHT OF ALL TRUSSES= **5284.75** LBS.

HARDWARE

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

TOTAL # ITEMS= **6.00**

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

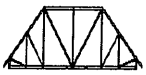
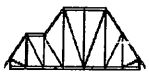
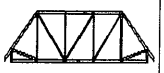
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 296798 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 **ELEVATION:** A STD+OPT. COFF

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1 / 2 Ply	T1S2 HIP GIRDER	10.00 / 0.00	32-11-00	04-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	395.84 / 239.66		
	1	T2S HIP	10.00 / 0.00	32-11-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	143.23 / 92.83		
	1	T3S HIP	10.00 / 0.00	32-11-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	150.05 / 95.83		
	2	T4 HIP	10.00 / 0.00	32-11-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	316.84 / 201.00		
	6	T5 PIGGYBACK	10.00 / 0.00	32-11-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	919.38 / 586.02		
	2	T6 HIP	10.00 / 0.00	32-11-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	320.48 / 202.34		
	1 / 2 Ply	T7S ROOF	10.00 / 0.00	32-11-00	07-11-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	439.38 / 270.34		
	1	T8S ROOF	10.00 / 0.00	32-11-00	08-11-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	158.32 / 101.83		
	1	T9S ROOF	10.00 / 0.00	32-11-00	09-11-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	166.52 / 105.33		
	1	T10 HIP GIRDER	10.00 / 0.00	28-03-00	04-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	167.48 / 103.00		
	1	T11 HIP	10.00 / 0.00	28-03-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	120.75 / 78.17		
	1	T12 HIP	10.00 / 0.00	28-03-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	120.89 / 76.00		
	1	T13 HIP	10.00 / 0.00	28-03-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	136.04 / 86.50		
	3	T14 SCISSOR	10.00 / 6.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	182.64 / 117.00		
	2	T15 COMMON	10.00 / 0.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	124.22 / 79.00		
	1	T16 HALF HIP	10.00 / 0.00	11-00-08	04-10-07	2 X 4	2 X 6	01-03-08 / 00-00-00	01-07-11 / 04-10-07	60.08 / 39.67		
	1	T17 HALF HIP	10.00 / 0.00	11-00-08	06-06-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 06-06-07	55.79 / 36.00		
	1	T18 HALF HIP	9.00 / 0.00	19-08-00	02-01-08	2 X 4	2 X 6	01-03-08 / 00-00-00	01-06-04 / 02-01-08	83.07 / 51.67		

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

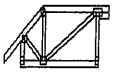
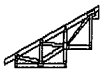
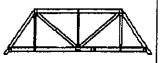
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 296798 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 **ELEVATION:** A STD+OPT. COFF

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	T19 HALF HIP	9.00 / 0.00	06-03-00	02-09-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 02-09-08	29.29 / 20.33		
	1	T20 HALF HIP	9.00 / 0.00	06-03-00	03-05-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 03-05-08	31.20 / 21.50		
	1	T21 HALF HIP	9.00 / 0.00	06-03-00	04-01-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 04-01-08	33.38 / 23.17		
	1	T22 HALF HIP	9.00 / 0.00	06-03-00	04-09-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 04-09-08	35.80 / 24.83		
	1	T23 HALF HIP	9.00 / 0.00	06-03-00	05-05-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 05-05-08	38.45 / 25.33		
	1	T24 HALF HIP	9.00 / 0.00	06-03-00	05-11-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 05-11-08	31.80 / 21.67		
	6	T25 MONOPITCH	4.00 / 0.00	09-05-00	04-03-15	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 03-00-15	265.56 / 186.00		
	2	P1 PIGGYBACK	10.00 / 0.00	16-01-11	01-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-13 / 00-04-13	106.08 / 70.68		
	2	P2 PIGGYBACK	10.00 / 0.00	16-01-11	02-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-13 / 00-04-13	109.96 / 71.66		
	13	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	218.27 / 138.71		
	7	J1S 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 / 03-01-04	149.94 / 109.69		
	2	J2 JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 04-10-07	27.50 / 17.34		
	2 / 2 Ply	J2Z JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 04-10-07	55.00 / 34.68		
	11	J3 JACK	4.00 / 0.00	03-07-00	02-01-08	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 02-01-08	116.05 / 80.63		
	4	J4 JACK	9.00 / 0.00	02-04-00	03-03-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 03-03-04	37.24 / 26.68		

TOTAL # TRUSS= **87.00** TOTAL BFT OF ALL TRUSSES= **3435.09** BFT. TOTAL WEIGHT OF ALL TRUSSES= **5346.52** LBS.

HARDWARE

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

Site Copy

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 296798 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 **ELEVATION:** A STD+OPT. COFF

HARDWARE

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

TOTAL # ITEMS= **6.00**

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

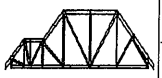
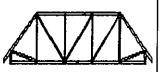
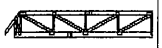
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286843 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S42-17 ELEVATION: A REAR UPGRADE

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1 / 2 Ply	T1 HIP GIRDER	10.00 / 0.00	32-11-00	04-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	377.72 / 229.34		
	1	T2 HIP	10.00 / 0.00	32-11-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	140.25 / 90.17		
	1	T3 HIP	10.00 / 0.00	32-11-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	141.79 / 89.67		
	2	T4 HIP	10.00 / 0.00	32-11-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	316.84 / 201.00		
	6	T5 PIGGYBACK	10.00 / 0.00	32-11-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	919.38 / 586.02		
	2	T6 HIP	10.00 / 0.00	32-11-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	320.48 / 202.34		
	1 / 2 Ply	T7S ROOF	10.00 / 0.00	32-11-00	07-11-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	439.38 / 270.34		
	1	T8S ROOF	10.00 / 0.00	32-11-00	08-11-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	158.32 / 101.83		
	1	T9S ROOF	10.00 / 0.00	32-11-00	09-11-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	166.52 / 105.33		
	1	T10 HIP GIRDER	10.00 / 0.00	28-03-00	04-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	167.48 / 103.00		
	1	T11 HIP	10.00 / 0.00	28-03-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	120.75 / 78.17		
	1	T12 HIP	10.00 / 0.00	28-03-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	120.89 / 76.00		
	1	T13 HIP	10.00 / 0.00	28-03-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	136.04 / 86.50		
	3	T14 SCISSOR	10.00 / 6.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	182.64 / 117.00		
	2	T15 COMMON	10.00 / 0.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	124.22 / 79.00		
	1	T16 HALF HIP	10.00 / 0.00	11-00-08	04-10-07	2 X 4	2 X 6	01-03-08 / 00-00-00	01-07-11 / 04-10-07	60.08 / 39.67		
	1	T17 HALF HIP	10.00 / 0.00	11-00-08	06-06-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 06-06-07	55.79 / 36.00		
	1	T18 HALF HIP	9.00 / 0.00	19-08-00	02-01-08	2 X 4	2 X 6	01-03-08 / 00-00-00	01-06-04 / 02-01-08	83.07 / 51.67		

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TAMARACK LUMBER INC.
[redacted]
ALPA LUMBER GROUP

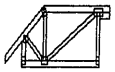
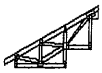
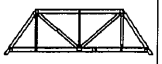
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286843 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S42-17 ELEVATION: A REAR UPGRADE

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	T19 HALF HIP	9.00 / 0.00	06-03-00	02-09-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 02-09-08	29.29 / 20.33		
	1	T20 HALF HIP	9.00 / 0.00	06-03-00	03-05-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 03-05-08	31.20 / 21.50		
	1	T21 HALF HIP	9.00 / 0.00	06-03-00	04-01-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 04-01-08	33.38 / 23.17		
	1	T22 HALF HIP	9.00 / 0.00	06-03-00	04-09-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 04-09-08	35.80 / 24.83		
	1	T23 HALF HIP	9.00 / 0.00	06-03-00	05-05-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 05-05-08	38.45 / 25.33		
	1	T24 HALF HIP	9.00 / 0.00	06-03-00	05-11-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 05-11-08	31.80 / 21.67		
	6	T25 MONOPITCH	4.00 / 0.00	09-05-00	04-03-15	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 03-00-15	265.56 / 186.00		
	2	T90 COMMON	10.00 / 0.00	19-00-00	09-06-11	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	172.34 / 109.00		
	1	G90 COMMON	10.00 / 0.00	19-00-00	09-06-11	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	98.26 / 63.50		
	2	P1 PIGGYBACK	10.00 / 0.00	16-01-11	01-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-13 / 00-04-13	106.08 / 70.68		
	2	P2 PIGGYBACK	10.00 / 0.00	16-01-11	02-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-13 / 00-04-13	109.96 / 71.66		
	10	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	167.90 / 106.70		
	2	J2 JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 04-10-07	27.50 / 17.34		
	2 / 2 Ply	J2Z JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 04-10-07	55.00 / 34.68		
	11	J3 JACK	4.00 / 0.00	03-07-00	02-01-08	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 02-01-08	116.05 / 80.63		
	4	J4 JACK	9.00 / 0.00	02-04-00	03-03-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 03-03-04	37.24 / 26.68		

TOTAL # TRUSS= **80.00** TOTAL BFT OF ALL TRUSSES= **3446.75** BFT. TOTAL WEIGHT OF ALL TRUSSES= **5387.45** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16

Site Copy

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 286843 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 **ELEVATION:** A REAR UPGRADE

HARDWARE

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

TOTAL # ITEMS= **9.00**

Site Copy

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

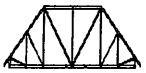
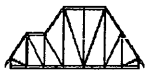
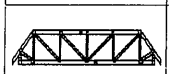
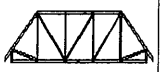
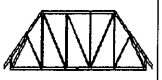
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286842 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S42-17 ELEVATION: A REAR UPGRADE+OPT. COFF

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1 / 2 Ply	T1S HIP GIRDER	10.00 / 0.00	32-11-00	04-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	395.84 / 239.66		
	1	T2S HIP	10.00 / 0.00	32-11-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	143.23 / 92.83		
	1	T3S HIP	10.00 / 0.00	32-11-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	150.05 / 95.83		
	2	T4 HIP	10.00 / 0.00	32-11-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	316.84 / 201.00		
	6	T5 PIGGYBACK	10.00 / 0.00	32-11-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	919.38 / 586.02		
	2	T6 HIP	10.00 / 0.00	32-11-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	320.48 / 202.34		
	1 / 2 Ply	T7S ROOF	10.00 / 0.00	32-11-00	07-11-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	439.38 / 270.34		
	1	T8S ROOF	10.00 / 0.00	32-11-00	08-11-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	158.32 / 101.83		
	1	T9S ROOF	10.00 / 0.00	32-11-00	09-11-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	166.52 / 105.33		
	1	T10 HIP GIRDER	10.00 / 0.00	28-03-00	04-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	167.48 / 103.00		
	1	T11 HIP	10.00 / 0.00	28-03-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	120.75 / 78.17		
	1	T12 HIP	10.00 / 0.00	28-03-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	120.89 / 76.00		
	1	T13 HIP	10.00 / 0.00	28-03-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	136.04 / 86.50		
	3	T14 SCISSOR	10.00 / 6.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	182.64 / 117.00		
	2	T15 COMMON	10.00 / 0.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	124.22 / 79.00		
	1	T16 HALF HIP	10.00 / 0.00	11-00-08	04-10-07	2 X 4	2 X 6	01-03-08 / 00-00-00	01-07-11 / 04-10-07	60.08 / 39.67		
	1	T17 HALF HIP	10.00 / 0.00	11-00-08	06-06-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 06-06-07	55.79 / 36.00		
	1	T18 HALF HIP	9.00 / 0.00	19-08-00	02-01-08	2 X 4	2 X 6	01-03-08 / 00-00-00	01-06-04 / 02-01-08	83.07 / 51.67		

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

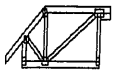
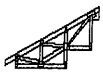
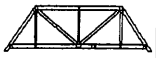
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286842 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S42-17 ELEVATION: A REAR UPGRADE+OPT. COFF

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	T19 HALF HIP	9.00 / 0.00	06-03-00	02-09-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 02-09-08	29.29 / 20.33		
	1	T20 HALF HIP	9.00 / 0.00	06-03-00	03-05-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 03-05-08	31.20 / 21.50		
	1	T21 HALF HIP	9.00 / 0.00	06-03-00	04-01-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 04-01-08	33.38 / 23.17		
	1	T22 HALF HIP	9.00 / 0.00	06-03-00	04-09-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 04-09-08	35.80 / 24.83		
	1	T23 HALF HIP	9.00 / 0.00	06-03-00	05-05-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 05-05-08	38.45 / 25.33		
	1	T24 HALF HIP	9.00 / 0.00	06-03-00	05-11-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 05-11-08	31.80 / 21.67		
	6	T25 MONOPITCH	4.00 / 0.00	09-05-00	04-03-15	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 03-00-15	265.56 / 186.00		
	2	T90S ROOF	10.00 / 0.00	19-00-00	09-06-11	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	187.08 / 121.34		
	1	G90 COMMON	10.00 / 0.00	19-00-00	09-06-11	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	98.26 / 63.50		
	2	P1 PIGGYBACK	10.00 / 0.00	16-01-11	01-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-13 / 00-04-13	106.08 / 70.68		
	2	P2 PIGGYBACK	10.00 / 0.00	16-01-11	02-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-13 / 00-04-13	109.96 / 71.66		
	10	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	167.90 / 106.70		
	2	J2 JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 04-10-07	27.50 / 17.34		
	2 / 2 Ply	J2Z JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 04-10-07	55.00 / 34.68		
	11	J3 JACK	4.00 / 0.00	03-07-00	02-01-08	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 02-01-08	116.05 / 80.63		
	4	J4 JACK	9.00 / 0.00	02-04-00	03-03-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 03-03-04	37.24 / 26.68		

TOTAL # TRUSS= **80.00** TOTAL BFT OF ALL TRUSSES= **3478.23** BFT. TOTAL WEIGHT OF ALL TRUSSES= **5431.55** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16

Site Copy

TAMARACK LUMBER INC.
[redacted]
ALPA LUMBER GROUP

Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 286842 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 **ELEVATION:** A REAR UPGRADE+OPT. COFF

HARDWARE

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

TOTAL # ITEMS= **9.00**

Site Copy

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

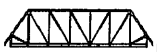
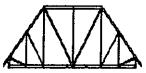
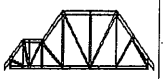
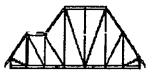
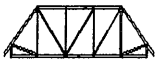
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 296816 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 **ELEVATION:** B STD

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1 / 2 Ply	T1Z2 HIP GIRDER	10.00 / 0.00	32-11-00	04-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	377.72 / 229.34		
	1	T2 HIP	10.00 / 0.00	32-11-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	140.25 / 90.17		
	1	T3 HIP	10.00 / 0.00	32-11-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	141.79 / 89.67		
	2	T4 HIP	10.00 / 0.00	32-11-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	316.84 / 201.00		
	6	T5 PIGGYBACK	10.00 / 0.00	32-11-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	919.38 / 586.02		
	2	T6 HIP	10.00 / 0.00	32-11-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	320.48 / 202.34		
	1 / 2 Ply	T7S ROOF	10.00 / 0.00	32-11-00	07-11-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	439.38 / 270.34		
	1	T8S ROOF	10.00 / 0.00	32-11-00	08-11-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	158.32 / 101.83		
	1	T9S ROOF	10.00 / 0.00	32-11-00	09-11-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	166.52 / 105.33		
	1 / 2 Ply	T26S HIP GIRDER	10.00 / 0.00	28-03-00	04-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	355.74 / 224.66		
	1	T27S HIP	10.00 / 0.00	28-03-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	134.71 / 88.66		
	1	T12 HIP	10.00 / 0.00	28-03-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	120.89 / 76.00		
	1	T13 HIP	10.00 / 0.00	28-03-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	136.04 / 86.50		
	1	T15 COMMON	10.00 / 0.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	62.11 / 39.50		
	1	G15 COMMON	10.00 / 0.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 01-05-00	01-07-11 / 01-07-11	63.56 / 41.50		
	3	T15A COMMON	10.00 / 0.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 00-03-08	180.72 / 116.49		
	1	T16Z HALF HIP	10.00 / 0.00	11-00-08	04-10-07	2 X 4	2 X 6	01-03-08 / 00-00-00	01-07-11 / 04-10-07	60.08 / 39.67		
	1	T17 HALF HIP	10.00 / 0.00	11-00-08	06-06-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 06-06-07	55.79 / 36.00		

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

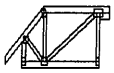
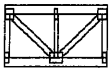
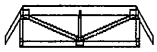
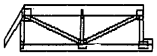
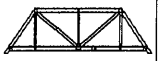
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 296816 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 **ELEVATION:** B STD

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	T18 HALF HIP	9.00 / 0.00	19-08-00	02-01-08	2 X 4	2 X 6	01-03-08 / 00-00-00	01-06-04 / 02-01-08	83.07 / 51.67		
	1	T19 HALF HIP	9.00 / 0.00	06-03-00	02-09-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 02-09-08	29.29 / 20.33		
	1	T20 HALF HIP	9.00 / 0.00	06-03-00	03-05-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 03-05-08	31.20 / 21.50		
	1	T21 HALF HIP	9.00 / 0.00	06-03-00	04-01-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 04-01-08	33.38 / 23.17		
	1	T22 HALF HIP	9.00 / 0.00	06-03-00	04-09-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 04-09-08	35.80 / 24.83		
	1	T23 HALF HIP	9.00 / 0.00	06-03-00	05-05-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 05-05-08	38.45 / 25.33		
	1	T24 HALF HIP	9.00 / 0.00	06-03-00	05-11-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 05-11-08	31.80 / 21.67		
	1 / 2 Ply	T28 FLAT	0.00 / 0.00	05-10-08	02-00-00	2 X 4	2 X 4	00-00-00 / 00-00-00	02-00-00 / 02-00-00	45.06 / 29.34		
	4	T93 HIP	12.00 / 0.00	11-01-00	02-02-00	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	201.64 / 134.68		
	2	T94A HIP	12.00 / 0.00	10-11-00	02-02-00	2 X 4	2 X 4	01-03-08 / 00-00-00	01-10-08 / 00-03-08	92.60 / 57.34		
	2	P1 PIGGYBACK	10.00 / 0.00	16-01-11	01-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-13 / 00-04-13	106.08 / 70.68		
	2	P2 PIGGYBACK	10.00 / 0.00	16-01-11	02-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-13 / 00-04-13	109.96 / 71.66		
	20	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	335.80 / 213.40		
	4	J2 JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 04-10-07	55.00 / 34.68		
	10	J3 JACK-OPEN	4.00 / 0.00	03-07-00	02-01-08	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 02-01-08	105.50 / 73.30		
	4	J4 JACK	9.00 / 0.00	02-04-00	03-03-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 03-03-04	37.24 / 26.68		
	1	J5 JACK-OPEN	10.00 / 0.00	01-09-07	03-01-09	2 X 4	2 X 4	01-03-08 / 02-01-01	01-07-11 / 00-03-08	13.73 / 9.33		
	1	J6 JACK-OPEN	10.00 / 0.00	01-09-07	03-01-09	2 X 4	2 X 4	01-03-08 / 00-01-01	01-07-11 / 00-03-08	9.99 / 7.00		

TOTAL # TRUSS= **89.00** TOTAL BFT OF ALL TRUSSES= **3541.61** BFT. TOTAL WEIGHT OF ALL TRUSSES= **5545.91** LBS.

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TAMARACK LUMBER INC.
[redacted]
ALPA LUMBER GROUP

Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 296816 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 **ELEVATION:** B STD

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
1	Hangers	HGUS26-2	
1	Hangers	HUSC26-2	
2	Hangers	LJS26DS	

TOTAL # ITEMS= **4.00**

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

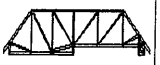
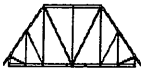
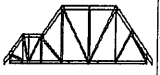
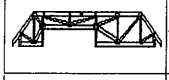
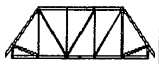
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 296827 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S42-17 ELEVATION: B STD+OPT. COFF.

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1 / 2 Ply	T1S2 HIP GIRDER	10.00 / 0.00	32-11-00	04-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	395.84 / 239.66		
	1	T2S HIP	10.00 / 0.00	32-11-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	143.23 / 92.83		
	1	T3S HIP	10.00 / 0.00	32-11-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	150.05 / 95.83		
	2	T4 HIP	10.00 / 0.00	32-11-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	316.84 / 201.00		
	6	T5 PIGGYBACK	10.00 / 0.00	32-11-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	919.38 / 586.02		
	2	T6 HIP	10.00 / 0.00	32-11-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	320.48 / 202.34		
	1 / 2 Ply	T7S ROOF	10.00 / 0.00	32-11-00	07-11-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	439.38 / 270.34		
	1	T8S ROOF	10.00 / 0.00	32-11-00	08-11-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	158.32 / 101.83		
	1	T9S ROOF	10.00 / 0.00	32-11-00	09-11-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	166.52 / 105.33		
	1 / 2 Ply	T26S HIP GIRDER	10.00 / 0.00	28-03-00	04-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	355.74 / 224.66		
	1	T27S HIP	10.00 / 0.00	28-03-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	134.71 / 88.66		
	1	T12 HIP	10.00 / 0.00	28-03-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	120.89 / 76.00		
	1	T13 HIP	10.00 / 0.00	28-03-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	136.04 / 86.50		
	1	T15 COMMON	10.00 / 0.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	62.11 / 39.50		
	1	G15 COMMON	10.00 / 0.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 01-05-00	01-07-11 / 01-07-11	63.56 / 41.50		
	3	T15A COMMON	10.00 / 0.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 00-03-08	180.72 / 116.49		
	1	T16Z HALF HIP	10.00 / 0.00	11-00-08	04-10-07	2 X 4	2 X 6	01-03-08 / 00-00-00	01-07-11 / 04-10-07	60.08 / 39.67		
	1	T17 HALF HIP	10.00 / 0.00	11-00-08	06-06-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 06-06-07	55.79 / 36.00		

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

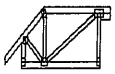
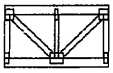
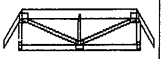
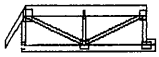
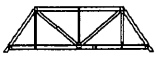
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 296827 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 **ELEVATION:** B STD+OPT. COFF.

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	T18 HALF HIP	9.00 / 0.00	19-08-00	02-01-08	2 X 4	2 X 6	01-03-08 / 00-00-00	01-06-04 / 02-01-08	83.07 / 51.67		
	1	T19 HALF HIP	9.00 / 0.00	06-03-00	02-09-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 02-09-08	29.29 / 20.33		
	1	T20 HALF HIP	9.00 / 0.00	06-03-00	03-05-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 03-05-08	31.20 / 21.50		
	1	T21 HALF HIP	9.00 / 0.00	06-03-00	04-01-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 04-01-08	33.38 / 23.17		
	1	T22 HALF HIP	9.00 / 0.00	06-03-00	04-09-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 04-09-08	35.80 / 24.83		
	1	T23 HALF HIP	9.00 / 0.00	06-03-00	05-05-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 05-05-08	38.45 / 25.33		
	1	T24 HALF HIP	9.00 / 0.00	06-03-00	05-11-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 05-11-08	31.80 / 21.67		
	1 / 2 Ply	T28 FLAT	0.00 / 0.00	05-10-08	02-00-00	2 X 4	2 X 4	00-00-00 / 00-00-00	02-00-00 / 02-00-00	45.06 / 29.34		
	4	T93 HIP	12.00 / 0.00	11-01-00	02-02-00	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	201.64 / 134.68		
	2	T94A HIP	12.00 / 0.00	10-11-00	02-02-00	2 X 4	2 X 4	01-03-08 / 00-00-00	01-10-08 / 00-03-08	92.60 / 57.34		
	2	P1 PIGGYBACK	10.00 / 0.00	16-01-11	01-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-13 / 00-04-13	106.08 / 70.68		
	2	P2 PIGGYBACK	10.00 / 0.00	16-01-11	02-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-13 / 00-04-13	109.96 / 71.66		
	13	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	218.27 / 138.71		
	7	J1S 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 / 03-01-04	149.94 / 109.69		
	4	J2 JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 04-10-07	55.00 / 34.68		
	10	J3 JACK-OPEN	4.00 / 0.00	03-07-00	02-01-08	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 02-01-08	105.50 / 73.30		
	4	J4 JACK	9.00 / 0.00	02-04-00	03-03-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 03-03-04	37.24 / 26.68		
	1	J5 JACK-OPEN	10.00 / 0.00	01-09-07	03-01-09	2 X 4	2 X 4	01-03-08 / 02-01-01	01-07-11 / 00-03-08	13.73 / 9.33		

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 296827 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 **ELEVATION:** B STD+OPT. COFF.

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	J6 JACK-OPEN	10.00 / 0.00	01-09-07	03-01-09	2 X 4	2 X 4	01-03-08 / 00-01-01	01-07-11 / 00-03-08	9.99 / 7.00		

TOTAL # TRUSS= **89.00** TOTAL BFT OF ALL TRUSSES= **3595.75** BFT. TOTAL WEIGHT OF ALL TRUSSES= **5607.68** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
1	Hangers	HGUS26-2	
1	Hangers	HUSC26-2	
2	Hangers	LJS26DS	

TOTAL # ITEMS= **4.00**

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

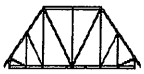
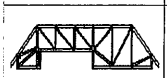
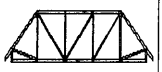
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 286845 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: SD42-17 **ELEVATION:** B REAR UPGRADE

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1 / 2 Ply	T1Z3 HIP GIRDER	10.00 / 0.00	32-11-00	04-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	377.72 / 229.34		
	1	T2 HIP	10.00 / 0.00	32-11-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	140.25 / 90.17		
	1	T3 HIP	10.00 / 0.00	32-11-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	141.79 / 89.67		
	2	T4 HIP	10.00 / 0.00	32-11-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	316.84 / 201.00		
	6	T5 PIGGYBACK	10.00 / 0.00	32-11-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	919.38 / 586.02		
	2	T6 HIP	10.00 / 0.00	32-11-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	320.48 / 202.34		
	1 / 2 Ply	T7S ROOF	10.00 / 0.00	32-11-00	07-11-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	439.38 / 270.34		
	1	T8S ROOF	10.00 / 0.00	32-11-00	08-11-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	158.32 / 101.83		
	1	T9S ROOF	10.00 / 0.00	32-11-00	09-11-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	166.52 / 105.33		
	1 / 2 Ply	T26S HIP GIRDER	10.00 / 0.00	28-03-00	04-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	355.74 / 224.66		
	1	T27S HIP	10.00 / 0.00	28-03-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	134.71 / 88.66		
	1	T12 HIP	10.00 / 0.00	28-03-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	120.89 / 76.00		
	1	T13 HIP	10.00 / 0.00	28-03-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	136.04 / 86.50		
	1	T15 COMMON	10.00 / 0.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	62.11 / 39.50		
	1	G15 COMMON	10.00 / 0.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 01-05-00	01-07-11 / 01-07-11	63.56 / 41.50		
	3	T15A COMMON	10.00 / 0.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 00-03-08	180.72 / 116.49		
	1	T16Z HALF HIP	10.00 / 0.00	11-00-08	04-10-07	2 X 4	2 X 6	01-03-08 / 00-00-00	01-07-11 / 04-10-07	60.08 / 39.67		
	1	T17 HALF HIP	10.00 / 0.00	11-00-08	06-06-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 06-06-07	55.79 / 36.00		

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

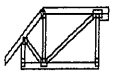
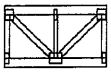
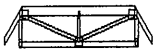
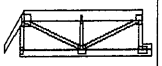
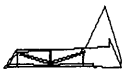
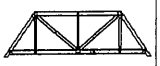
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 286845 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: SD42-17 **ELEVATION:** B REAR UPGRADE

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	2	T91 COMMON	10.00 / 0.00	16-09-00	08-07-07	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	154.28 / 96.66		
	1	G91 COMMON	10.00 / 0.00	16-09-00	08-07-07	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	84.37 / 54.33		
	1	T18 HALF HIP	9.00 / 0.00	19-08-00	02-01-08	2 X 4	2 X 6	01-03-08 / 00-00-00	01-06-04 / 02-01-08	83.07 / 51.67		
	1	T19 HALF HIP	9.00 / 0.00	06-03-00	02-09-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 02-09-08	29.29 / 20.33		
	1	T20 HALF HIP	9.00 / 0.00	06-03-00	03-05-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 03-05-08	31.20 / 21.50		
	1	T21 HALF HIP	9.00 / 0.00	06-03-00	04-01-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 04-01-08	33.38 / 23.17		
	1	T22 HALF HIP	9.00 / 0.00	06-03-00	04-09-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 04-09-08	35.80 / 24.83		
	1	T23 HALF HIP	9.00 / 0.00	06-03-00	05-05-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 05-05-08	38.45 / 25.33		
	1	T24 HALF HIP	9.00 / 0.00	06-03-00	05-11-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 05-11-08	31.80 / 21.67		
	1 / 2 Ply	T28 FLAT	0.00 / 0.00	05-10-08	02-00-00	2 X 4	2 X 4	00-00-00 / 00-00-00	02-00-00 / 02-00-00	45.06 / 29.34		
	4	T93 HIP	12.00 / 0.00	11-01-00	02-02-00	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	201.64 / 134.68		
	2	T94A HIP	12.00 / 0.00	10-11-00	02-02-00	2 X 4	2 X 4	01-03-08 / 00-00-00	01-10-08 / 00-03-08	92.60 / 57.34		
	2	P1 PIGGYBACK	10.00 / 0.00	16-01-11	06-04-10	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-13 / 00-04-13	106.08 / 70.68		
	2	P2 PIGGYBACK	10.00 / 0.00	16-01-11	02-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-13 / 00-04-13	109.96 / 71.66		
	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		
	4	J2 JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 04-10-07	55.00 / 34.68		
	10	J3 JACK-OPEN	4.00 / 0.00	03-07-00	02-01-08	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 02-01-08	105.50 / 73.30		
	4	J4 JACK	9.00 / 0.00	02-04-00	03-03-04	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 03-03-04	37.24 / 26.68		

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DATE	04/09/18
SALES REP	Mario

TAMARACK LUMBER INC.
[redacted]
ALPA LUMBER GROUP

Delivery Shiplist

JOB TRACK: 44755 **LAYOUT ID:** 286845 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: SD42-17 **ELEVATION:** B REAR UPGRADE

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	J5 JACK-OPEN	10.00 / 0.00	01-09-07	03-01-09	2 X 4	2 X 4	01-03-08 / 02-01-01	01-07-11 / 00-03-08	13.73 / 9.33		
	1	J6 JACK-OPEN	10.00 / 0.00	01-09-07	03-01-09	2 X 4	2 X 4	01-03-08 / 00-01-01	01-07-11 / 00-03-08	9.99 / 7.00		

TOTAL # TRUSS= **83.00** TOTAL BFT OF ALL TRUSSES= **3596.57** BFT. TOTAL WEIGHT OF ALL TRUSSES= **5633.45** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
2	Hangers	HGUS26-2	
1	Hangers	HUSC26-2	
4	Hangers	LJS26DS	

TOTAL # ITEMS= **7.00**

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

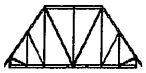
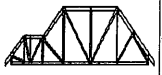
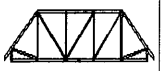
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286844 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S42-17 ELEVATION: B REAR UPGRADE+OPT. COFF

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1 / 2 Ply	T1S3 HIP GIRDER	10.00 / 0.00	32-11-00	04-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	395.84 / 239.66		
	1	T2S HIP	10.00 / 0.00	32-11-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	143.23 / 92.83		
	1	T3S HIP	10.00 / 0.00	32-11-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	150.05 / 95.83		
	2	T4 HIP	10.00 / 0.00	32-11-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	316.84 / 201.00		
	6	T5 PIGGYBACK	10.00 / 0.00	32-11-00	08-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	919.38 / 586.02		
	2	T6 HIP	10.00 / 0.00	32-11-00	09-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	320.48 / 202.34		
	1 / 2 Ply	T7S ROOF	10.00 / 0.00	32-11-00	07-11-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	439.38 / 270.34		
	1	T8S ROOF	10.00 / 0.00	32-11-00	08-11-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	158.32 / 101.83		
	1	T9S ROOF	10.00 / 0.00	32-11-00	09-11-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	166.52 / 105.33		
	1 / 2 Ply	T26S HIP GIRDER	10.00 / 0.00	28-03-00	04-01-04	2 X 6	2 X 6	01-03-08 / 01-03-08	01-07-11 / 01-07-11	355.74 / 224.66		
	1	T27S HIP	10.00 / 0.00	28-03-00	05-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	134.71 / 88.66		
	1	T12 HIP	10.00 / 0.00	28-03-00	06-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	120.89 / 76.00		
	1	T13 HIP	10.00 / 0.00	28-03-00	07-01-04	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	136.04 / 86.50		
	1	T15 COMMON	10.00 / 0.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	62.11 / 39.50		
	3	T15A COMMON	10.00 / 0.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 00-03-08	180.72 / 116.49		
	1	G15 COMMON	10.00 / 0.00	13-00-00	07-00-11	2 X 4	2 X 4	01-03-08 / 01-05-00	01-07-11 / 01-07-11	63.56 / 41.50		
	1	T16Z HALF HIP	10.00 / 0.00	11-00-08	04-10-07	2 X 4	2 X 6	01-03-08 / 00-00-00	01-07-11 / 04-10-07	60.08 / 39.67		
	1	T17 HALF HIP	10.00 / 0.00	11-00-08	06-06-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 06-06-07	55.79 / 36.00		

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

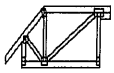
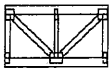
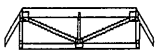
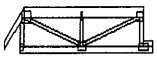
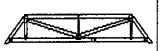
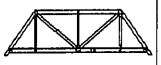
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 286844 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 **ELEVATION:** B REAR UPGRADE+OPT. COFF

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1	G91 COMMON	10.00 / 0.00	16-09-00	08-07-07	2 X 4	2 X 4	01-03-08 / 01-03-08	01-07-11 / 01-07-11	84.37 / 54.33		
	2	T92S ROOF	10.00 / 0.00	16-09-00	08-07-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 00-07-11	147.54 / 96.34		
	1	T18 HALF HIP	9.00 / 0.00	19-08-00	02-01-08	2 X 4	2 X 6	01-03-08 / 00-00-00	01-06-04 / 02-01-08	83.07 / 51.67		
	1	T19 HALF HIP	9.00 / 0.00	06-03-00	02-09-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 02-09-08	29.29 / 20.33		
	1	T20 HALF HIP	9.00 / 0.00	06-03-00	03-05-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 03-05-08	31.20 / 21.50		
	1	T21 HALF HIP	9.00 / 0.00	06-03-00	04-01-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 04-01-08	33.38 / 23.17		
	1	T22 HALF HIP	9.00 / 0.00	06-03-00	04-09-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 04-09-08	35.80 / 24.83		
	1	T23 HALF HIP	9.00 / 0.00	06-03-00	05-05-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 05-05-08	38.45 / 25.33		
	1	T24 HALF HIP	9.00 / 0.00	06-03-00	05-11-08	2 X 4	2 X 4	01-03-08 / 00-00-00	01-06-04 / 05-11-08	31.80 / 21.67		
	1 / 2 Ply	T28 FLAT	0.00 / 0.00	05-10-08	02-00-00	2 X 4	2 X 4	00-00-00 / 00-00-00	02-00-00 / 02-00-00	45.06 / 29.34		
	4	T93 HIP	12.00 / 0.00	11-01-00	02-02-00	2 X 4	2 X 4	01-03-08 / 01-03-08	01-10-08 / 01-10-08	201.64 / 134.68		
	2	T94A HIP	12.00 / 0.00	10-11-00	02-02-00	2 X 4	2 X 4	01-03-08 / 00-00-00	01-10-08 / 00-03-08	92.60 / 57.34		
	1 / 2 Ply	T95 JACK-OPEN	6.00 / 0.00	05-10-08	04-01-04	2 X 4	2 X 4	00-00-00 / 00-00-00	01-02-00 / 03-01-04	47.66 / 33.66		
	2	P1 PIGGYBACK	10.00 / 0.00	16-01-11	01-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-13 / 00-04-13	106.08 / 70.68		
	2	P2 PIGGYBACK	10.00 / 0.00	16-01-11	02-10-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-13 / 00-04-13	109.96 / 71.66		
	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		
	4	J2 JACK-OPEN	10.00 / 0.00	03-10-08	04-10-07	2 X 4	2 X 4	01-03-08 / 00-00-00	01-07-11 / 04-10-07	55.00 / 34.68		
	10	J3 JACK-OPEN	4.00 / 0.00	03-07-00	02-01-08	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 02-01-08	105.50 / 73.30		

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DATE	04/09/18
SALES REP	Mario

TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

JOB TRACK: 44755 **LAYOUT ID:** 286844 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 **ELEVATION:** B REAR UPGRADE+OPT. COFF

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	4	J4 JACK	9.00 0.00	02-04-00	03-03-04	2 X 4	2 X 4	01-03-08 00-00-00	01-06-04 03-03-04	37.24 26.68		
	1	J5 JACK-OPEN	10.00 0.00	01-09-07	03-01-09	2 X 4	2 X 4	01-03-08 02-01-01	01-07-11 00-03-08	13.73 9.33		
	1	J6 JACK-OPEN	10.00 0.00	01-09-07	03-01-09	2 X 4	2 X 4	01-03-08 00-01-01	01-07-11 00-03-08	9.99 7.00		

TOTAL # TRUSS= **85.00** TOTAL BFT OF ALL TRUSSES= **3649.05** BFT. TOTAL WEIGHT OF ALL TRUSSES= **5703.73** LBS.

HARDWARE

QTY	ITEM TYPE	MODEL	LENGTH FT-IN-16
2	Hangers	HGUS26-2	
1	Hangers	HUSC26-2	
4	Hangers	LJS26DS	

TOTAL # ITEMS= **7.00**

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

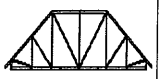
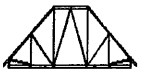
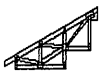
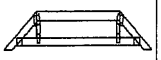
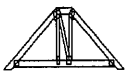
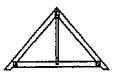
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 296845 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S42-17 ELEVATION: C STD

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1 / 2 Ply	T30Z2 HIP GIRDER	8.00 / 0.00	32-11-00	05-03-13	2 X 6	2 X 6	01-03-08 / 01-03-08	01-04-13 / 01-04-13	424.56 / 254.68		
	1 / 2 Ply	T30 HIP GIRDER	8.00 / 0.00	32-11-00	05-03-13	2 X 6	2 X 6	01-03-08 / 01-03-08	01-04-13 / 01-04-13	424.56 / 254.68		
	2	T31 HIP	8.00 / 0.00	32-11-00	06-07-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	282.32 / 183.00		
	2	T32 HIP	8.00 / 0.00	32-11-00	07-11-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	288.98 / 182.00		
	10	T33 HIP	8.00 / 0.00	32-11-00	09-03-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	1463.10 / 913.30		
	3	T34 COMMON	8.00 / 0.00	28-03-00	10-09-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	369.63 / 226.02		
	1 / 2 Ply	T35S HALF HIP	8.00 / 0.00	15-08-08	07-08-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 04-07-13	147.54 / 97.34		
	1	T36S HALF HIP	8.00 / 0.00	15-08-08	09-00-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 05-11-13	78.06 / 50.33		
	1	T37S HIP	8.00 / 0.00	15-08-08	10-04-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 06-08-02	93.01 / 60.00		
	1	T38 HALF HIP	8.00 / 0.00	12-06-08	05-09-02	2 X 4	2 X 6	00-00-00 / 00-05-08	01-04-13 / 00-05-08	63.82 / 41.33		
	1	T39 HALF HIP	8.00 / 0.00	12-06-08	07-01-02	2 X 4	2 X 4	00-00-00 / 00-05-08	01-04-13 / 00-03-08	60.70 / 38.17		
	1	T40 HALF HIP	8.00 / 0.00	12-06-08	08-05-02	2 X 4	2 X 4	00-00-00 / 00-05-08	01-04-13 / 00-03-08	68.41 / 42.33		
	1	T41 ROOF	8.00 / 0.00	12-06-08	09-09-02	2 X 4	2 X 4	00-00-00 / 00-05-08	01-04-13 / 00-03-08	59.46 / 37.34		
	6	T25 MONOPITCH	4.00 / 0.00	09-05-00	04-03-15	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 03-00-15	265.56 / 186.00		
	2	P3 PIGGYBACK	8.00 / 0.00	07-08-02	01-02-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-07 / 00-04-07	42.30 / 28.66		
	2	P4 PIGGYBACK	8.00 / 0.00	07-08-02	02-06-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-07 / 00-04-07	51.90 / 33.66		
	4	P5 PIGGYBACK	8.00 / 0.00	07-08-02	02-11-03	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-07 / 00-04-07	92.72 / 59.32		
	14	J7 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	249.62 / 149.38		

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

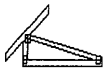
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 296845 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 **ELEVATION:** C STD

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	2	J8 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	23.82 / 15.34		
	3	J9 JACK-OPEN	8.00 / 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 / 00-01-01	01-04-13 / 00-03-08	27.51 / 17.01		
	2	J10 JACK-OPEN	8.00 / 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 / 04-01-01	01-04-13 / 00-03-08	33.68 / 20.66		
	2	J11 JACK-OPEN	8.00 / 0.00	03-09-07	03-11-02	2 X 4	2 X 4	01-03-08 / 02-01-01	01-04-13 / 00-03-08	39.16 / 24.66		
	6	J12 JACK-OPEN	8.00 / 0.00	04-10-08	04-07-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 04-07-13	91.92 / 55.98		
	1	J13 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	12.81 / 8.00		
	1	J14 JACK-OPEN	8.00 / 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 / 02-01-01	01-04-13 / 00-03-08	12.97 / 8.00		

TOTAL # TRUSS= **74.00** TOTAL BFT OF ALL TRUSSES= **2987.19** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4768.12** LBS.

HARDWARE

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

TOTAL # ITEMS= **4.00**

Site Copy

DATE	04/09/18
SALES REP	Mario

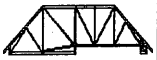
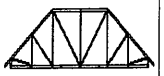
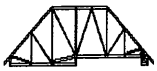
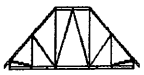
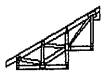
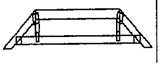
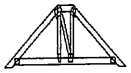
TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

JOB TRACK: 44755 **LAYOUT ID:** 296838 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 **ELEVATION:** C STD+OPT. COFF

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1 / 2 Ply	T30S2 HIP GIRDER	8.00 / 0.00	32-11-00	05-03-13	2 X 6	2 X 6	01-03-08 / 01-03-08	01-04-13 / 01-04-13	410.90 / 250.00		
	1 / 2 Ply	T30 HIP GIRDER	8.00 / 0.00	32-11-00	05-03-13	2 X 6	2 X 6	01-03-08 / 01-03-08	01-04-13 / 01-04-13	424.56 / 254.68		
	1	T31 HIP	8.00 / 0.00	32-11-00	06-07-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	141.16 / 91.50		
	1	T31S HIP	8.00 / 0.00	32-11-00	06-07-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	151.74 / 97.67		
	1	T32 HIP	8.00 / 0.00	32-11-00	07-11-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	144.49 / 91.00		
	1	T32S HIP	8.00 / 0.00	32-11-00	07-11-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	158.15 / 101.00		
	10	T33 HIP	8.00 / 0.00	32-11-00	09-03-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	1463.10 / 913.30		
	3	T34 COMMON	8.00 / 0.00	28-03-00	10-09-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	369.63 / 226.02		
	1 / 2 Ply	T35S HALF HIP	8.00 / 0.00	15-08-08	07-08-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 04-07-13	147.54 / 97.34		
	1	T36S HALF HIP	8.00 / 0.00	15-08-08	09-00-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 05-11-13	78.06 / 50.33		
	1	T37S HIP	8.00 / 0.00	15-08-08	10-04-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 06-08-02	93.01 / 60.00		
	1	T38 HALF HIP	8.00 / 0.00	12-06-08	05-09-02	2 X 4	2 X 6	00-00-00 / 00-05-08	01-04-13 / 00-05-08	63.82 / 41.33		
	1	T39 HALF HIP	8.00 / 0.00	12-06-08	07-01-02	2 X 4	2 X 4	00-00-00 / 00-05-08	01-04-13 / 00-03-08	60.70 / 38.17		
	1	T40 HALF HIP	8.00 / 0.00	12-06-08	08-05-02	2 X 4	2 X 4	00-00-00 / 00-05-08	01-04-13 / 00-03-08	68.41 / 42.33		
	1	T41 ROOF	8.00 / 0.00	12-06-08	09-09-02	2 X 4	2 X 4	00-00-00 / 00-05-08	01-04-13 / 00-03-08	59.46 / 37.34		
	6	T25 MONOPITCH	4.00 / 0.00	09-05-00	04-03-15	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 03-00-15	265.56 / 186.00		
	2	P3 PIGGYBACK	8.00 / 0.00	07-08-02	01-02-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-07 / 00-04-07	42.30 / 28.66		
	2	P4 PIGGYBACK	8.00 / 0.00	07-08-02	02-06-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-07 / 00-04-07	51.90 / 33.66		

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

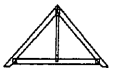
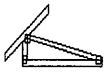
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 296838 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 **ELEVATION:** C STD+OPT. COFF

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	4	P5 PIGGYBACK	8.00 / 0.00	07-08-02	02-11-03	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-07 / 00-04-07	92.72 / 59.32		
	9	J7 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	160.47 / 96.03		
	8	J7S 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 / 04-03-13	189.52 / 128.00		
	1	J8 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		
	2	J9 JACK-OPEN	8.00 / 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 / 00-01-01	01-04-13 / 00-03-08	18.34 / 11.34		
	1	J10 JACK-OPEN	8.00 / 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 / 04-01-01	01-04-13 / 00-03-08	16.84 / 10.33		
	1	J11 JACK-OPEN	8.00 / 0.00	03-09-07	03-11-02	2 X 4	2 X 4	01-03-08 / 02-01-01	01-04-13 / 00-03-08	19.58 / 12.33		
	6	J12 JACK-OPEN	8.00 / 0.00	04-10-08	04-07-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 04-07-13	91.92 / 55.98		
	1	J13 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	12.81 / 8.00		
	1	J14 JACK-OPEN	8.00 / 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 / 02-01-01	01-04-13 / 00-03-08	12.97 / 8.00		

TOTAL # TRUSS= **73.00** TOTAL BFT OF ALL TRUSSES= **3037.33** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4821.57** LBS.

HARDWARE

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

TOTAL # ITEMS= **4.00**

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

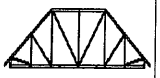
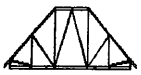
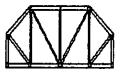
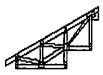
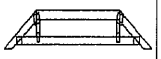
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 LAYOUT ID: 286847 LOCATION:
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE SUB-BUILDER:
MODEL: S42-17 ELEVATION: C REAR UPGRADE

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1 / 2 Ply	T30Z HIP GIRDER	8.00 / 0.00	32-11-00	05-03-13	2 X 6	2 X 6	01-03-08 / 01-03-08	01-04-13 / 01-04-13	424.56 / 254.68		
	1 / 2 Ply	T30 HIP GIRDER	8.00 / 0.00	32-11-00	05-03-13	2 X 6	2 X 6	01-03-08 / 01-03-08	01-04-13 / 01-04-13	424.56 / 254.68		
	2	T31 HIP	8.00 / 0.00	32-11-00	06-07-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	282.32 / 183.00		
	2	T32 HIP	8.00 / 0.00	32-11-00	07-11-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	288.98 / 182.00		
	10	T33 HIP	8.00 / 0.00	32-11-00	09-03-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	1463.10 / 913.30		
	3	T34 COMMON	8.00 / 0.00	28-03-00	10-09-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	369.63 / 226.02		
	1 / 2 Ply	T35S HALF HIP	8.00 / 0.00	15-08-08	07-08-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 04-07-13	147.54 / 97.34		
	1	T36S HALF HIP	8.00 / 0.00	15-08-08	09-00-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 05-11-13	78.06 / 50.33		
	1	T37S HIP	8.00 / 0.00	15-08-08	10-04-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 06-08-02	93.01 / 60.00		
	1	T38 HALF HIP	8.00 / 0.00	12-06-08	05-09-02	2 X 4	2 X 6	00-00-00 / 00-05-08	01-04-13 / 00-05-08	63.82 / 41.33		
	1	T39 HALF HIP	8.00 / 0.00	12-06-08	07-01-02	2 X 4	2 X 4	00-00-00 / 00-05-08	01-04-13 / 00-03-08	60.70 / 38.17		
	1	T40 HALF HIP	8.00 / 0.00	12-06-08	08-05-02	2 X 4	2 X 4	00-00-00 / 00-05-08	01-04-13 / 00-03-08	68.41 / 42.33		
	1	T41 ROOF	8.00 / 0.00	12-06-08	09-09-02	2 X 4	2 X 4	00-00-00 / 00-05-08	01-04-13 / 00-03-08	59.46 / 37.34		
	1	T42 HIP GIRDER	8.00 / 0.00	15-04-00	03-08-02	2 X 4	2 X 4	01-03-08 / 01-03-08	02-08-13 / 02-08-13	73.12 / 48.67		
	1	T43 HIP	8.00 / 0.00	15-04-00	05-00-02	2 X 4	2 X 4	00-00-00 / 00-00-00	02-08-13 / 02-08-13	68.98 / 44.83		
	1	T44 HIP	8.00 / 0.00	15-04-00	06-04-02	2 X 4	2 X 4	00-00-00 / 00-00-00	02-08-13 / 02-08-13	67.39 / 43.33		
	6	T25 MONOPITCH	4.00 / 0.00	09-05-00	04-03-15	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 03-00-15	265.56 / 186.00		
	2	P3 PIGGYBACK	8.00 / 0.00	07-08-02	01-02-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-07 / 00-04-07	42.30 / 28.66		

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

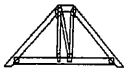
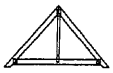
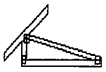
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 286847 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 **ELEVATION:** C REAR UPGRADE

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	2	P4 PIGGYBACK	8.00 / 0.00	07-08-02	02-06-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-07 / 00-04-07	51.90 / 33.66		
	4	P5 PIGGYBACK	8.00 / 0.00	07-08-02	02-11-03	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-07 / 00-04-07	92.72 / 59.32		
	6	J7 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	106.98 / 64.02		
	2	J8 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	23.82 / 15.34		
	3	J9 JACK-OPEN	8.00 / 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 / 00-01-01	01-04-13 / 00-03-08	27.51 / 17.01		
	2	J10 JACK-OPEN	8.00 / 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 / 04-01-01	01-04-13 / 00-03-08	33.68 / 20.66		
	2	J11 JACK-OPEN	8.00 / 0.00	03-09-07	03-11-02	2 X 4	2 X 4	01-03-08 / 02-01-01	01-04-13 / 00-03-08	39.16 / 24.66		
	6	J12 JACK-OPEN	8.00 / 0.00	04-10-08	04-07-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 04-07-13	91.92 / 55.98		
	1	J13 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	12.81 / 8.00		
	1	J14 JACK-OPEN	8.00 / 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 / 02-01-01	01-04-13 / 00-03-08	12.97 / 8.00		
	7	J15 JACK-OPEN	8.00 / 0.00	01-05-00	03-08-02	2 X 4	2 X 4	01-03-08 / 00-00-00	02-08-13 / 03-08-02	57.05 / 42.00		

TOTAL # TRUSS= **76.00** TOTAL BFT OF ALL TRUSSES= **3080.66** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4892.02** LBS.

HARDWARE

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

TOTAL # ITEMS= **12.00**

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TAMARACK LUMBER INC.
ALPA LUMBER GROUP

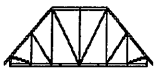
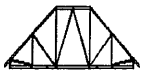
Delivery Shiplist

DATE	04/09/18
SALES REP	Mario

JOB TRACK: 44755 **LAYOUT ID:** 286846 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 RIDEAU17 **ELEVATION:** C REAR UPGRADE+OPT. COFF.

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1 / 2 Ply	T30 HIP GIRDER	8.00 / 0.00	32-11-00	05-03-13	2 X 6	2 X 6	01-03-08 / 01-03-08	01-04-13 / 01-04-13	424.56 / 254.68		
	1 / 2 Ply	T30S HIP GIRDER	8.00 / 0.00	32-11-00	05-03-13	2 X 6	2 X 6	01-03-08 / 01-03-08	01-04-13 / 01-04-13	410.90 / 250.00		
	1	T31 HIP	8.00 / 0.00	32-11-00	06-07-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	141.16 / 91.50		
	1	T31S HIP	8.00 / 0.00	32-11-00	06-07-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	151.74 / 97.67		
	1	T32 HIP	8.00 / 0.00	32-11-00	07-11-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	144.49 / 91.00		
	1	T32S HIP	8.00 / 0.00	32-11-00	07-11-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	158.15 / 101.00		
	10	T33 HIP	8.00 / 0.00	32-11-00	09-03-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	1463.10 / 913.30		
	3	T34 COMMON	8.00 / 0.00	28-03-00	10-09-13	2 X 4	2 X 4	01-03-08 / 01-03-08	01-04-13 / 01-04-13	369.63 / 226.02		
	1 / 2 Ply	T35S HALF HIP	8.00 / 0.00	15-08-08	07-08-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 04-07-13	147.54 / 97.34		
	1	T36S HALF HIP	8.00 / 0.00	15-08-08	09-00-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 05-11-13	78.06 / 50.33		
	1	T37S HIP	8.00 / 0.00	15-08-08	10-04-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 06-08-02	93.01 / 60.00		
	1	T38 HALF HIP	8.00 / 0.00	12-06-08	05-09-02	2 X 4	2 X 6	00-00-00 / 00-05-08	01-04-13 / 00-05-08	63.82 / 41.33		
	1	T39 HALF HIP	8.00 / 0.00	12-06-08	07-01-02	2 X 4	2 X 4	00-00-00 / 00-05-08	01-04-13 / 00-03-08	60.70 / 38.17		
	1	T40 HALF HIP	8.00 / 0.00	12-06-08	08-05-02	2 X 4	2 X 4	00-00-00 / 00-05-08	01-04-13 / 00-03-08	68.41 / 42.33		
	1	T41 ROOF	8.00 / 0.00	12-06-08	09-09-02	2 X 4	2 X 4	00-00-00 / 00-05-08	01-04-13 / 00-03-08	59.46 / 37.34		
	1	T42 HIP GIRDER	8.00 / 0.00	15-04-00	03-08-02	2 X 4	2 X 4	01-03-08 / 01-03-08	02-08-13 / 02-08-13	73.12 / 48.67		
	1	T43S HIP	8.00 / 0.00	15-04-00	05-00-02	2 X 4	2 X 4	00-00-00 / 00-00-00	02-08-13 / 01-08-13	73.08 / 49.17		
	1	T44S HIP	8.00 / 0.00	15-04-00	06-04-02	2 X 4	2 X 4	00-00-00 / 00-00-00	02-08-13 / 01-08-13	75.02 / 48.50		

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DATE	04/09/18
SALES REP	Mario

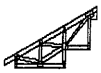
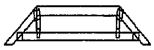
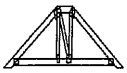
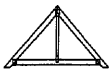
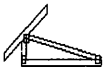
TAMARACK LUMBER INC.
ALPA LUMBER GROUP

Delivery Shiplist

JOB TRACK: 44755 **LAYOUT ID:** 286846 **LOCATION:**
BUILDER: BAYVIEW WELLINGTON-GREEN VALLE **SUB-BUILDER:**
MODEL: S42-17 RIDEAU17 **ELEVATION:** C REAR UPGRADE+OPT. COFF.

ROOF TRUSSES

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

PROFILE	QTY / PLY	MARK / TYPE	PITCH TC / BC	SPAN	TRUSS HEIGHT	LUMBER TOP	LUMBER BOT	OVERHANG LEFT / RIGHT	HEEL HEIGHT LEFT / RIGHT	LBS. / BFT.	BUNDLE # / STACK #	LOAD BY: / REMARKS
	1 / 2 Ply	T45 JACK-OPEN	8.00 / 0.00	05-10-08	05-03-13	2 X 4	2 X 4	00-00-00 / 00-00-00	01-04-13 / 04-03-13	54.12 / 37.00		
	6	T25 MONOPITCH	4.00 / 0.00	09-05-00	04-03-15	2 X 4	2 X 4	01-03-08 / 00-00-00	00-11-03 / 03-00-15	265.56 / 186.00		
	2	P3 PIGGYBACK	8.00 / 0.00	07-08-02	01-02-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-07 / 00-04-07	42.30 / 28.66		
	2	P4 PIGGYBACK	8.00 / 0.00	07-08-02	02-06-08	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-07 / 00-04-07	51.90 / 33.66		
	4	P5 PIGGYBACK	8.00 / 0.00	07-08-02	02-11-03	2 X 4	2 X 4	00-00-00 / 00-00-00	00-04-07 / 00-04-07	92.72 / 59.32		
	3	J7 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	53.49 / 32.01		
	5	J7S 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 / 04-03-13	118.45 / 80.00		
	1	J8 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		
	2	J9 JACK-OPEN	8.00 / 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 / 00-01-01	01-04-13 / 00-03-08	18.34 / 11.34		
	1	J10 JACK-OPEN	8.00 / 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 / 04-01-01	01-04-13 / 00-03-08	16.84 / 10.33		
	1	J11 JACK-OPEN	8.00 / 0.00	03-09-07	03-11-02	2 X 4	2 X 4	01-03-08 / 02-01-01	01-04-13 / 00-03-08	19.58 / 12.33		
	6	J12 JACK-OPEN	8.00 / 0.00	04-10-08	04-07-13	2 X 4	2 X 4	01-03-08 / 00-00-00	01-04-13 / 04-07-13	91.92 / 55.98		
	1	J13 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	12.81 / 8.00		
	1	J14 JACK-OPEN	8.00 / 0.00	01-09-07	02-07-02	2 X 4	2 X 4	01-03-08 / 02-01-01	01-04-13 / 00-03-08	12.97 / 8.00		
	7	J15 JACK-OPEN	8.00 / 0.00	01-05-00	03-08-02	2 X 4	2 X 4	01-03-08 / 00-00-00	02-08-13 / 03-08-02	57.05 / 42.00		

TOTAL # TRUSS= **76.00** TOTAL BFT OF ALL TRUSSES= **3150.65** BFT. TOTAL WEIGHT OF ALL TRUSSES= **4975.91** LBS.

HARDWARE

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

TOTAL # ITEMS= **12.00**

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286843	T1	1	2	OBC2012_6TCDL TRUSS DESC.	

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Tamarack Roof Truss, Burlington

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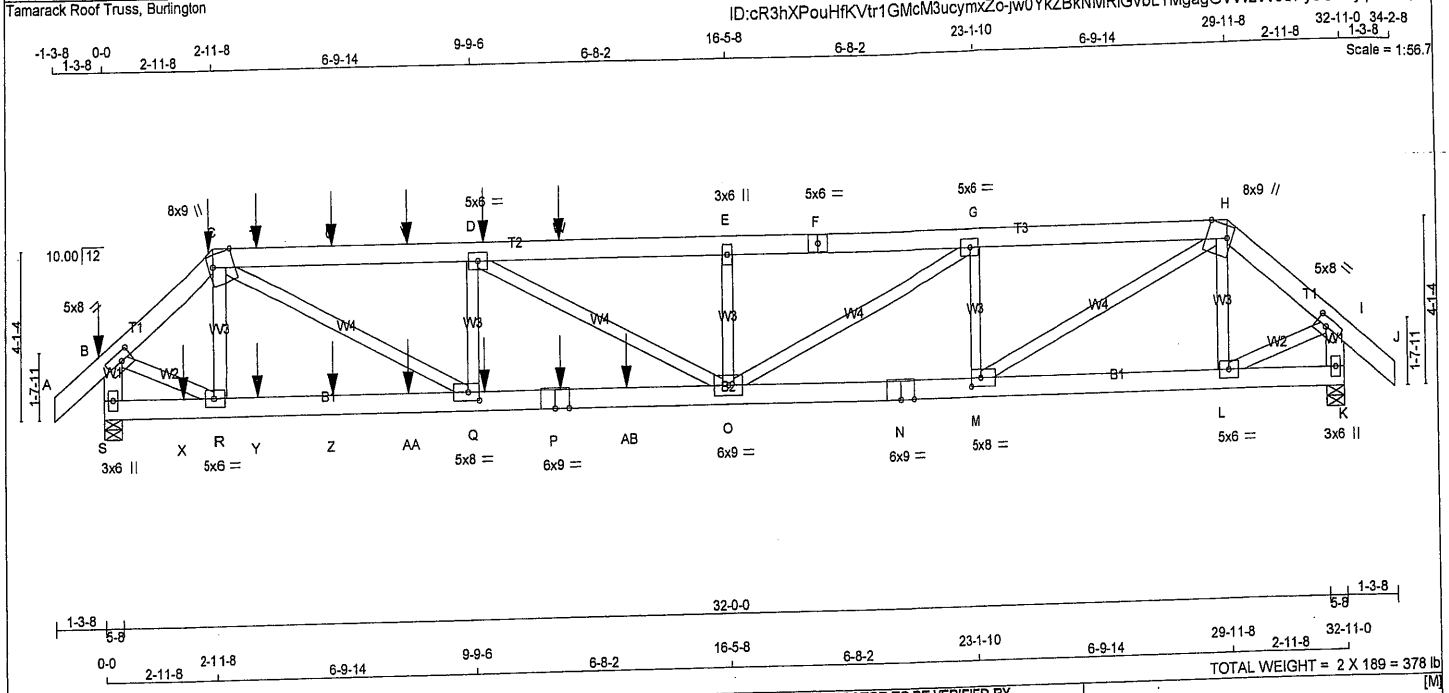

LUMBER

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	2x6	DRY	No.2	SPF
K - I	2x6	DRY	No.2	SPF
S - P	2x6	DRY	2100F 1.8E	SPF
P - N	2x6	DRY	2100F 1.8E	SPF
N - K	2x6	DRY	2100F 1.8E	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	2	12	SIDE(183.1)
C- F	2	12	SIDE(183.1)
F- H	2	12	TOP
H- J	2	12	TOP
S- B	2	12	TOP
K- I	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
S- P	2	12	SIDE(197.8)
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. 3-0 INCH NAILS.

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	8.0	2.50	3.25
C	TTWW+m	MT20	8.0	9.0	Edge	6.50
D	TMWW-t	MT20	5.0	6.0		
E	TMW+w	MT20	3.0	6.0		
F	TS-t	MT20	5.0	6.0		
G	TMWW-t	MT20	5.0	6.0		
H	TTWW+m	MT20	8.0	9.0	Edge	6.50
I	TMVW-t	MT20	5.0	8.0	2.50	3.25
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-t	MT20	5.0	6.0		
M	BMWW-t	MT20	5.0	8.0	2.50	3.50
N	BS-t	MT20	6.0	9.0		
O	BMWWW-t	MT20	6.0	9.0		
P	BS-t	MT20	6.0	9.0		
Q	BMWW-t	MT20	5.0	8.0	2.50	3.50
R	BMWW-t	MT20	5.0	6.0		
S	BMV1+p	MT20	3.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
S	4737	0	4737	0	0	5-8	5-8
K	3510	0	3510	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	3709	2259 / 0	619 / 0	0 / 0	0 / 0	831 / 0	0 / 0
K	2763	1659 / 0	479 / 0	0 / 0	0 / 0	626 / 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 = 3.48 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 52	-112.4	-112.4	0.05 (1)	10.00	
B- C	-4473 / 0	-112.4	-112.4	0.07 (1)	5.39	
C- T	-9136 / 0	-112.4	-112.4	0.47 (1)	3.66	
T- U	-9136 / 0	-112.4	-112.4	0.47 (1)	3.66	
U- V	-9136 / 0	-112.4	-112.4	0.47 (1)	3.66	
V- D	-9136 / 0	-112.4	-112.4	0.47 (1)	3.66	
D- W	-10214 / 0	-112.4	-112.4	0.48 (1)	3.48	
W- E	-10214 / 0	-112.4	-112.4	0.48 (1)	3.48	
E- F	-10214 / 0	-112.4	-112.4	0.40 (1)	3.58	
F- G	-10214 / 0	-112.4	-112.4	0.40 (1)	3.58	
G- H	-7185 / 0	-112.4	-112.4	0.29 (1)	4.27	
H- I	-3508 / 0	-112.4	-112.4	0.06 (1)	5.92	
I- J	0 / 52	-112.4	-112.4	0.05 (1)	10.00	
S- B	-4679 / 0	0.0	0.0	0.17 (1)	6.68	
K- I	-3554 / 0	0.0	0.0	0.13 (1)	7.43	
S- X	0 / 0	-28.0	-28.0	0.04 (3)	10.00	
X- R	0 / 0	-28.0	-28.0	0.04 (3)	10.00	
R- Y	0 / 3371	-28.0	-28.0	0.25 (1)	10.00	
Y- Z	0 / 3371	-28.0	-28.0	0.25 (1)	10.00	
Z-AA	0 / 3371	-28.0	-28.0	0.25 (1)	10.00	
AA- Q	0 / 3371	-28.0	-28.0	0.25 (1)	10.00	
Q- P	0 / 9136	-28.0	-28.0	0.71 (1)	10.00	
P-AB	0 / 9136	-28.0	-28.0	0.71 (1)	10.00	
AB- O	0 / 9136	-28.0	-28.0	0.71 (1)	10.00	
O- N	0 / 7186	-28.0	-28.0	0.38 (1)	10.00	
N- M	0 / 7186	-28.0	-28.0	0.38 (1)	10.00	
M- L	0 / 2653	-28.0	-28.0	0.13 (1)	10.00	
L- K	0 / 0	-28.0	-28.0	0.05 (1)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
R- C	-1121 / 0	0.10 (1)
C- Q	0 / 6522	0.58 (1)
Q- D	-1883 / 0	0.16 (1)
D- O	0 / 1228	0.11 (1)
O- E	-681 / 0	0.06 (1)
O- G	0 / 3450	0.31 (1)
M- G	-2488 / 0	0.21 (1)
M- H	0 / 5128	0.45 (1)
L- H	-652 / 0	0.06 (1)
B- R	0 / 3630	0.32 (1)
L- I	0 / 2847	0.25 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
B	0-0	-33	-36	—	FRONT	VERT	DEAD
B	0-0	-206	-206	—	FRONT	VERT	SNOW
C	2-11-8	-33	-36	—	FRONT	VERT	DEAD
C	2-11-8	-206	-206	—	FRONT	VERT	SNOW
D	10-0-12	-135	-135	—	FRONT	VERT	TOTAL
P	12-0-12	-40	-70	—	FRONT	VERT	TOTAL
Q	10-0-12	-40	-70	—	FRONT	VERT	TOTAL
T	4-0-12	-135	-135	—	FRONT	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
41078
S KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.31")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 787 (0.50")

CSI: TC=0.48/1.00 (D-E:1) , BC=0.71/1.00 (O-Q:1) , WB=0.58/1.00 (C-Q:1) , SSI=0.42/1.00 (O-Q:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.84 (M) (INPUT = 0.90)
JSI METAL= 0.86 (P) (INPUT = 1.00) p6 1/2

DWG NO. TAM185B1-08
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

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

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 238.0 lbs FACTORED DOWN AT 0-0, 238.0 lbs FACTORED DOWN AT 2-11-8, 135.3 lbs FACTORED DOWN AT 4-0-12, 135.3 lbs FACTORED DOWN AT 6-0-12, 135.3 lbs FACTORED DOWN AT 8-0-12, AND 135.3 lbs FACTORED DOWN AT 10-0-12, AND 135.3 lbs FACTORED DOWN AT 12-0-12 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 2-0-12, 69.9 lbs FACTORED DOWN AT 4-0-12, 69.9 lbs FACTORED DOWN AT 6-0-12, 69.9 lbs FACTORED DOWN AT 8-0-12, 69.9 lbs FACTORED DOWN AT 10-0-12, AND 69.9 lbs FACTORED DOWN AT 12-0-12, AND 1908.8 lbs FACTORED DOWN AT 13-9-8 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
U	6-0-12	-135	-135	—	FRONT	VERT	TOTAL
V	8-0-12	-135	-135	—	FRONT	VERT	TOTAL
W	12-0-12	-135	-135	—	FRONT	VERT	TOTAL
X	2-0-12	-40	-70	—	FRONT	VERT	TOTAL
Y	4-0-12	-40	-70	—	FRONT	VERT	TOTAL
Z	6-0-12	-40	-70	—	FRONT	VERT	TOTAL
AA	8-0-12	-40	-70	—	FRONT	VERT	TOTAL
AB	13-9-8	-1909	-1909	—	FRONT	VERT	TOTAL

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DWG NO. TAM 188188
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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
296805	T1Z2	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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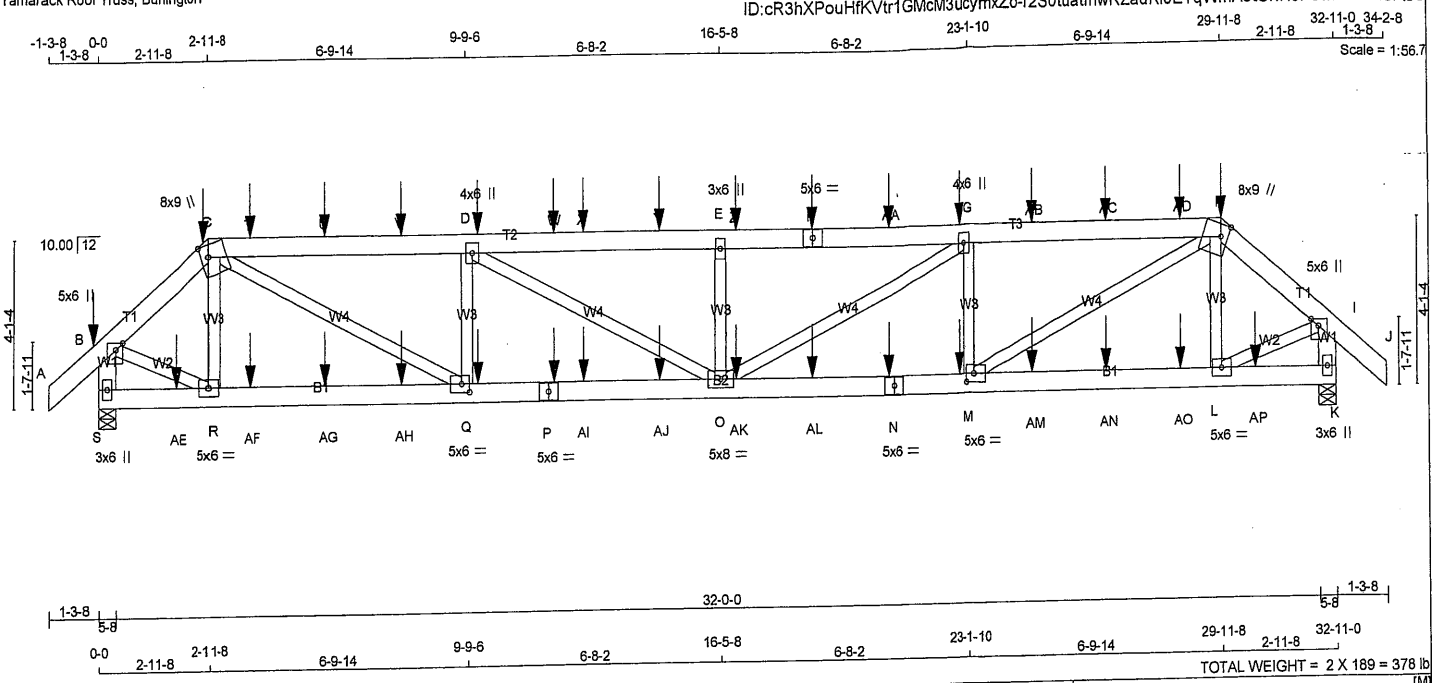

TOTAL WEIGHT = 2 X 189 = 378 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	No.2	SPF
C - F	2x6	DRY	No.2	SPF
F - H	2x6	DRY	No.2	SPF
H - J	2x6	DRY	No.2	SPF
S - B	2x6	DRY	No.2	SPF
K - I	2x6	DRY	No.2	SPF
S - P	2x6	DRY	2100F 1.8E	SPF
P - N	2x6	DRY	2100F 1.8E	SPF
N - K	2x6	DRY	2100F 1.8E	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	2	12	SIDE(183.1)
C- F	2	12	SIDE(183.1)
F- H	2	12	SIDE(183.1)
H- J	2	12	SIDE(122.0)
S- B	2	12	TOP
K- I	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
S- P	2	12	SIDE(197.8)
P- N	2	12	SIDE(197.8)
N- K	2	12	SIDE(197.8)
WEBS : (0.122"X3") SPIRAL NAILS			
2x4	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	2.00	2.25
C	TTWW+m	MT20	8.0	9.0	3.50	2.25
D	TMWW+t	MT20	4.0	6.0		
E	TMW+w	MT20	3.0	6.0		
F	TS-t	MT20	5.0	6.0		
G	TMWW+t	MT20	4.0	6.0		
H	TTWW+m	MT20	8.0	9.0	3.50	2.25
I	TMVW+p	MT20	5.0	6.0	2.00	2.25
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-t	MT20	5.0	6.0		
M	BMWW-t	MT20	5.0	6.0	2.50	2.50
N	BS-t	MT20	5.0	6.0		
O	BMWWW-t	MT20	5.0	8.0		
P	BS-t	MT20	5.0	6.0		
Q	BMWW-t	MT20	5.0	6.0	2.50	2.50
R	BMWW-t	MT20	5.0	6.0		
S	BMV1+p	MT20	3.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
S	4229	0	4229	0	0	5-8	5-8
K	3965	0	3965	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	3338	1989 / 0	588 / 0	0 / 0	0 / 0	761 / 0	0 / 0
K	3154	1841 / 0	583 / 0	0 / 0	0 / 0	730 / 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 = 3.70 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 52	-112.4	-112.4	0.05 (1)	10.00
B- C	-4004 / 0	-112.4	-112.4	0.07 (1)	5.63
C- T	-7584 / 0	-112.4	-112.4	0.43 (1)	4.00
T- U	-7584 / 0	-112.4	-112.4	0.43 (1)	4.00
U- V	-7584 / 0	-112.4	-112.4	0.43 (1)	4.00
V- D	-7584 / 0	-112.4	-112.4	0.43 (1)	4.00
D- W	-8879 / 0	-112.4	-112.4	0.47 (1)	3.70
W- X	-8879 / 0	-112.4	-112.4	0.47 (1)	3.70
X- Y	-8879 / 0	-112.4	-112.4	0.47 (1)	3.70
Y- E	-8879 / 0	-112.4	-112.4	0.47 (1)	3.70
E- Z	-8879 / 0	-112.4	-112.4	0.45 (1)	3.72
Z- F	-8879 / 0	-112.4	-112.4	0.45 (1)	3.72
F-AA	-8879 / 0	-112.4	-112.4	0.45 (1)	3.72
AA- G	-8879 / 0	-112.4	-112.4	0.45 (1)	3.72
G-AB	-7499 / 0	-112.4	-112.4	0.41 (1)	4.05
AB-AC	-7499 / 0	-112.4	-112.4	0.41 (1)	4.05
AC-AD	-7499 / 0	-112.4	-112.4	0.41 (1)	4.05
AD- H	-7499 / 0	-112.4	-112.4	0.41 (1)	4.05
H- I	-3977 / 0	-112.4	-112.4	0.07 (1)	5.65
I- J	0 / 52	-112.4	-112.4	0.05 (1)	10.00
S- B	-4248 / 0	0.0	0.0	0.15 (1)	6.94
K- I	-3985 / 0	0.0	0.0	0.14 (1)	7.11
S-AE	0 / 0	-28.0	-28.0	0.06 (2)	10.00
AE- R	0 / 0	-28.0	-28.0	0.06 (2)	10.00
R-AF	0 / 3028	-28.0	-28.0	0.13 (1)	10.00
AF-AG	0 / 3028	-28.0	-28.0	0.13 (1)	10.00
AG-AH	0 / 3028	-28.0	-28.0	0.13 (1)	10.00
AH- Q	0 / 3028	-28.0	-28.0	0.13 (1)	10.00
Q- P	0 / 7584	-28.0	-28.0	0.25 (1)	10.00
P-AI	0 / 7584	-28.0	-28.0	0.25 (1)	10.00
AI-AJ	0 / 7584	-28.0	-28.0	0.25 (1)	10.00
AJ- O	0 / 7584	-28.0	-28.0	0.25 (1)	10.00
O-AK	0 / 7499	-28.0	-28.0	0.24 (1)	10.00
AK-AL	0 / 7499	-28.0	-28.0	0.24 (1)	10.00
AL- N	0 / 7499	-28.0	-28.0	0.24 (1)	10.00
N- M	0 / 7499	-28.0	-28.0	0.24 (1)	10.00
M-AM	0 / 3008	-28.0	-28.0	0.13 (1)	10.00
AM-AN	0 / 3008	-28.0	-28.0	0.13 (1)	10.00
AN-AO	0 / 3008	-28.0	-28.0	0.13 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
R- C	-760 / 0	0.06 (1)
C- Q	0 / 5156	0.46 (1)
Q- D	-2106 / 0	0.18 (1)
D- O	0 / 1475	0.13 (1)
O- E	-1132 / 0	0.10 (1)
O- G	0 / 1572	0.14 (1)
M- G	-2090 / 0	0.18 (1)
M- H	0 / 5082	0.45 (1)
L- H	-749 / 0	0.06 (1)
B- R	0 / 3249	0.29 (1)
L- I	0 / 3227	0.29 (1)

LICENSED PROFESSIONAL ENGINEER
4107B
S KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.21")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.34")

CSI: TC=0.47/1.00 (D-E:1) , BC=0.25/1.00 (O-Q:1) , WB=0.46/1.00 (C-Q:1) , SSI=0.23/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (M) (INPUT = 0.90)
JSI METAL= 0.66 (N) (INPUT = 1.00)

pb 14

DWG NO. TAM/18585-18
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
296805	T1Z2	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

ID:cR3hXPouHfKVtr1GMcM3ucymxZo-r2S0tuatIhwRZauRi0EYqWmA5tUrlHJFewblMMzSA6S

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 238.0 lbs FACTORED DOWN AT 0-0, 238.0 lbs FACTORED DOWN AT 2-11-8, 238.0 lbs FACTORED DOWN AT 29-11-8, 135.3 lbs FACTORED DOWN AT 4-0-12, 135.3 lbs FACTORED DOWN AT 6-0-12, 135.3 lbs FACTORED DOWN AT 8-0-12, 135.3 lbs FACTORED DOWN AT 10-0-12, 135.3 lbs FACTORED DOWN AT 12-0-12, 135.3 lbs FACTORED DOWN AT 12-10-4, 135.3 lbs FACTORED DOWN AT 14-10-4, 135.3 lbs FACTORED DOWN AT 16-10-4, 135.3 lbs FACTORED DOWN AT 18-10-4, 135.3 lbs FACTORED DOWN AT 20-10-4, 135.3 lbs FACTORED DOWN AT 22-10-4, 135.3 lbs FACTORED DOWN AT 24-10-4, AND 135.3 lbs FACTORED DOWN AT 26-10-4, AND 135.3 lbs FACTORED DOWN AT 28-10-4 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 2-0-12, 69.9 lbs FACTORED DOWN AT 4-0-12, 69.9 lbs FACTORED DOWN AT 6-0-12, 69.9 lbs FACTORED DOWN AT 8-0-12, 69.9 lbs FACTORED DOWN AT 10-0-12, 69.9 lbs FACTORED DOWN AT 12-0-12, 69.9 lbs FACTORED DOWN AT 12-10-4, 69.9 lbs FACTORED DOWN AT 14-10-4, 69.9 lbs FACTORED DOWN AT 16-10-4, 69.9 lbs FACTORED DOWN AT 18-10-4, 69.9 lbs FACTORED DOWN AT 20-10-4, 69.9 lbs FACTORED DOWN AT 22-10-4, 69.9 lbs FACTORED DOWN AT 24-10-4, 69.9 lbs FACTORED DOWN AT 26-10-4, AND 69.9 lbs FACTORED DOWN AT 28-10-4, AND 69.9 lbs FACTORED DOWN AT 30-10-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
AO- L	0 / 3008	-28.0	-28.0	0.13 (1)	10.00
L-AP	0 / 0	-28.0	-28.0	0.06 (2)	10.00
AP- K	0 / 0	-28.0	-28.0	0.06 (2)	10.00

WEBS

MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
B	0-0	-33	-36	—	FRONT	VERT	DEAD
B	0-0	-206	-206	—	FRONT	VERT	SNOW
C	2-11-8	-33	-36	—	FRONT	VERT	DEAD
C	2-11-8	-206	-206	—	FRONT	VERT	SNOW
D	10-0-12	-135	-135	—	FRONT	VERT	TOTAL
F	18-10-4	-135	-135	—	FRONT	VERT	TOTAL
G	22-10-4	-135	-135	—	FRONT	VERT	TOTAL
H	29-11-8	-33	-36	—	FRONT	VERT	DEAD
H	29-11-8	-206	-206	—	FRONT	VERT	SNOW
M	22-10-4	-40	-70	—	FRONT	VERT	TOTAL
N	20-10-4	-40	-70	—	FRONT	VERT	TOTAL
P	12-0-12	-40	-70	—	FRONT	VERT	TOTAL
Q	10-0-12	-40	-70	—	FRONT	VERT	TOTAL
T	4-0-12	-135	-135	—	FRONT	VERT	TOTAL
U	6-0-12	-135	-135	—	FRONT	VERT	TOTAL
V	8-0-12	-135	-135	—	FRONT	VERT	TOTAL
W	12-0-12	-135	-135	—	FRONT	VERT	TOTAL
X	12-10-4	-135	-135	—	FRONT	VERT	TOTAL
Y	14-10-4	-135	-135	—	FRONT	VERT	TOTAL
Z	16-10-4	-135	-135	—	FRONT	VERT	TOTAL
AA	20-10-4	-135	-135	—	FRONT	VERT	TOTAL
AB	24-10-4	-135	-135	—	FRONT	VERT	TOTAL
AC	26-10-4	-135	-135	—	FRONT	VERT	TOTAL
AD	28-10-4	-135	-135	—	FRONT	VERT	TOTAL
AE	2-0-12	-40	-70	—	FRONT	VERT	TOTAL
AF	4-0-12	-40	-70	—	FRONT	VERT	TOTAL
AG	6-0-12	-40	-70	—	FRONT	VERT	TOTAL
AH	8-0-12	-40	-70	—	FRONT	VERT	TOTAL
AI	12-10-4	-40	-70	—	FRONT	VERT	TOTAL
AJ	14-10-4	-40	-70	—	FRONT	VERT	TOTAL
AK	16-10-4	-40	-70	—	FRONT	VERT	TOTAL
AL	18-10-4	-40	-70	—	FRONT	VERT	TOTAL
AM	24-10-4	-40	-70	—	FRONT	VERT	TOTAL
AN	26-10-4	-40	-70	—	FRONT	VERT	TOTAL
AO	28-10-4	-40	-70	—	FRONT	VERT	TOTAL
AP	30-10-4	-40	-70	—	FRONT	VERT	TOTAL

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4107B
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18585-18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286845	T1Z3	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Jan 6 2018 MiTek Industries, Inc. Tue Apr 10 10:04:18 2018 Page 1
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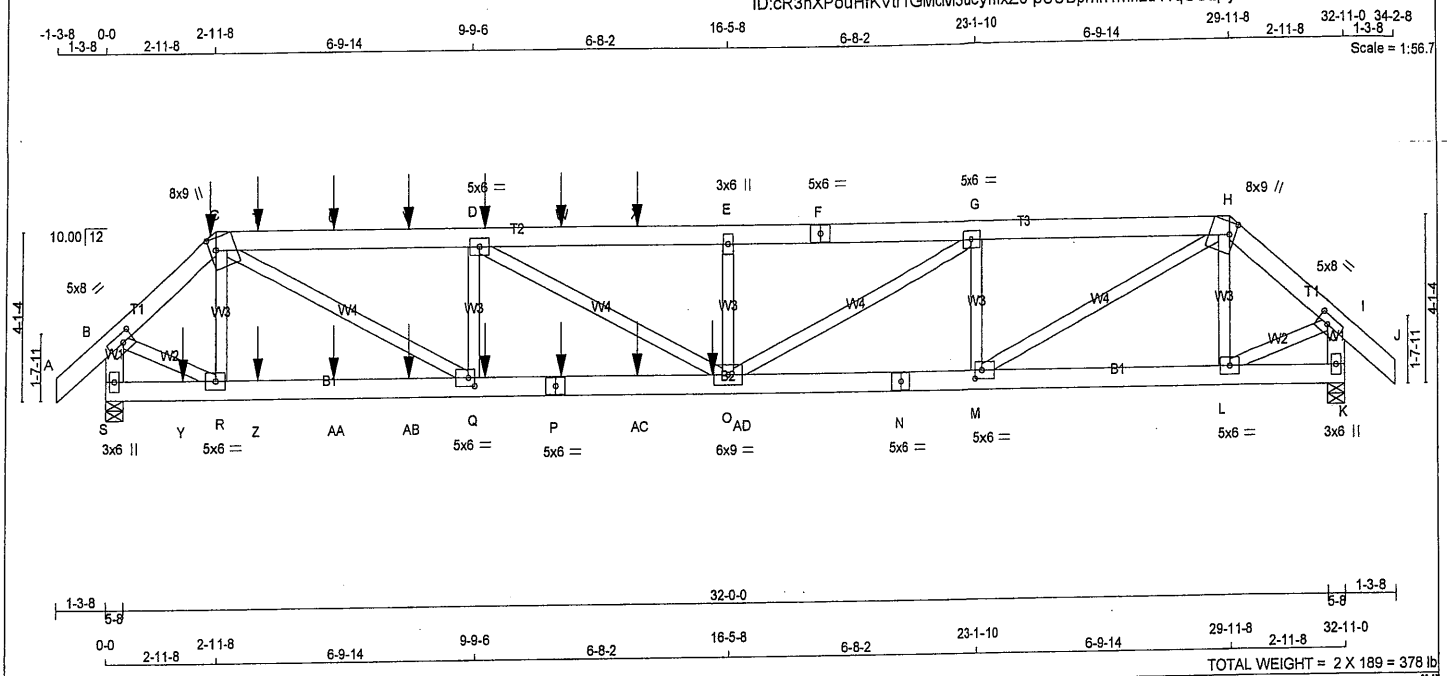

TOTAL WEIGHT = 2 X 189 = 378 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	No.2	SPF
C - F	2x6	DRY	No.2	SPF
F - H	2x6	DRY	No.2	SPF
H - J	2x6	DRY	No.2	SPF
S - B	2x6	DRY	No.2	SPF
K - I	2x6	DRY	No.2	SPF
S - P	2x6	DRY	2100F 1.8E	SPF
P - N	2x6	DRY	2100F 1.8E	SPF
N - K	2x6	DRY	2100F 1.8E	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	2	12	SIDE(122.0)
C- F	2	12	SIDE(183.1)
F- H	2	12	TOP
H- J	2	12	TOP
S- B	2	12	TOP
K- I	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
S- P	2	12	SIDE(197.8)
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. 3-0 INCH NAILS.

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	8.0	2.50	3.25
C	TTWW+m	MT20	8.0	9.0	3.50	1.75
D	TMWW-t	MT20	5.0	6.0		
E	TMW+w	MT20	3.0	6.0		
F	TS-t	MT20	5.0	6.0		
G	TMWW-t	MT20	5.0	6.0		
H	TTWW+m	MT20	8.0	9.0	3.50	1.75
I	TMVW-t	MT20	5.0	8.0	2.50	3.25
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-t	MT20	5.0	6.0		
M	BMWW-t	MT20	5.0	6.0	2.50	2.00
N	BS-t	MT20	5.0	6.0		
O	BMWWW-t	MT20	6.0	9.0		
P	BS-t	MT20	5.0	6.0		
Q	BMWW-t	MT20	5.0	6.0	2.50	2.00
R	BMWW-t	MT20	5.0	6.0		
S	BMV1+p	MT20	3.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
S	4385	0	4385	0	0	5-8	5-8
K	3635	0	3635	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	3460	2064 / 0	608 / 0	0 / 0	0 / 0	787 / 0	0 / 0
K	2861	1718 / 0	495 / 0	0 / 0	0 / 0	648 / 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 = 3.37 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 52	-112.4	-112.4	0.05 (1)	10.00	
B- C	-4425 / 0	-112.4	-112.4	0.07 (1)	5.41	
C- T	-8661 / 0	-112.4	-112.4	0.46 (1)	3.76	
T- U	-8661 / 0	-112.4	-112.4	0.46 (1)	3.76	
U- V	-8661 / 0	-112.4	-112.4	0.46 (1)	3.76	
V- D	-8661 / 0	-112.4	-112.4	0.46 (1)	3.76	
D- W	-10580 / 0	-112.4	-112.4	0.53 (1)	3.37	
W- X	-10580 / 0	-112.4	-112.4	0.53 (1)	3.37	
X- E	-10580 / 0	-112.4	-112.4	0.53 (1)	3.37	
E- F	-10580 / 0	-112.4	-112.4	0.40 (1)	3.52	
F- G	-10580 / 0	-112.4	-112.4	0.40 (1)	3.52	
G- H	-7568 / 0	-112.4	-112.4	0.29 (1)	4.17	
H- I	-3623 / 0	-112.4	-112.4	0.06 (1)	5.85	
I- J	0 / 52	-112.4	-112.4	0.05 (1)	10.00	
S- B	-4397 / 0	0.0	0.0	0.16 (1)	6.85	
K- I	-3660 / 0	0.0	0.0	0.13 (1)	7.35	
S- Y	0 / 0	-28.0	-28.0	0.06 (2)	10.00	
Y- R	0 / 0	-28.0	-28.0	0.06 (2)	10.00	
R- Z	0 / 3344	-28.0	-28.0	0.13 (1)	10.00	
Z-AA	0 / 3344	-28.0	-28.0	0.13 (1)	10.00	
AA-AB	0 / 3344	-28.0	-28.0	0.13 (1)	10.00	
AB- Q	0 / 3344	-28.0	-28.0	0.13 (1)	10.00	
Q- P	0 / 8662	-28.0	-28.0	0.34 (1)	10.00	
P-AC	0 / 8662	-28.0	-28.0	0.34 (1)	10.00	
AC-AD	0 / 8662	-28.0	-28.0	0.34 (1)	10.00	
AD- O	0 / 8662	-28.0	-28.0	0.34 (1)	10.00	
O- N	0 / 7568	-28.0	-28.0	0.24 (1)	10.00	
N- M	0 / 7568	-28.0	-28.0	0.24 (1)	10.00	
M- L	0 / 2738	-28.0	-28.0	0.11 (1)	10.00	
L- K	0 / 0	-28.0	-28.0	0.04 (2)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
R- C	-900 / 0	0.08 (1)
C- Q	0 / 6017	0.53 (1)
Q- D	-2410 / 0	0.21 (1)
D- O	0 / 2186	0.19 (1)
O- E	-773 / 0	0.07 (1)
O- G	0 / 3432	0.30 (1)
M- G	-2463 / 0	0.21 (1)
M- H	0 / 5465	0.48 (1)
L- H	-740 / 0	0.06 (1)
B- R	0 / 3591	0.32 (1)
L- I	0 / 2940	0.26 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	2-11-8	-33	-36	---	FRONT	VERT	DEAD
C	2-11-8	-206	-206	---	FRONT	VERT	SNOW
D	10-0-12	-135	-135	---	FRONT	VERT	TOTAL
P	12-0-12	-40	-70	---	FRONT	VERT	TOTAL
Q	10-0-12	-40	-70	---	FRONT	VERT	TOTAL
T	4-0-12	-135	-135	---	FRONT	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
41076
S. KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.25")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 955 (0.41")

CSI: TC=0.53/1.00 (D-E:1) , BC=0.34/1.00 (O-Q:1) , WB=0.53/1.00 (C-Q:1) , SSI=0.59/1.00 (O-Q:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (M) (INPUT = 0.90)
JSI METAL= 0.77 (N) (INPUT = 1.00)

DWG NO. TAM/18598-18
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

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HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 238.0 lbs FACTORED DOWN AT 2-11-8, 135.3 lbs FACTORED DOWN AT 4-0-12, 135.3 lbs FACTORED DOWN AT 6-0-12, 135.3 lbs FACTORED DOWN AT 8-0-12, 135.3 lbs FACTORED DOWN AT 10-0-12, AND 135.3 lbs FACTORED DOWN AT 12-0-12, AND 135.3 lbs FACTORED DOWN AT 14-0-12 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 2-0-12, 69.9 lbs FACTORED DOWN AT 4-0-12, 69.9 lbs FACTORED DOWN AT 6-0-12, 69.9 lbs FACTORED DOWN AT 8-0-12, 69.9 lbs FACTORED DOWN AT 10-0-12, 69.9 lbs FACTORED DOWN AT 12-0-12, AND 69.9 lbs FACTORED DOWN AT 14-0-12, AND 1743.8 lbs FACTORED DOWN AT 16-0-8 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
U	6-0-12	-135	-135	—	FRONT	VERT	TOTAL
V	8-0-12	-135	-135	—	FRONT	VERT	TOTAL
W	12-0-12	-135	-135	—	FRONT	VERT	TOTAL
X	14-0-12	-135	-135	—	FRONT	VERT	TOTAL
Y	2-0-12	-40	-70	—	FRONT	VERT	TOTAL
Z	4-0-12	-40	-70	—	FRONT	VERT	TOTAL
AA	6-0-12	-40	-70	—	FRONT	VERT	TOTAL
AB	8-0-12	-40	-70	—	FRONT	VERT	TOTAL
AC	14-0-12	-40	-70	—	FRONT	VERT	TOTAL
AD	16-0-8	-1744	-1744	—	FRONT	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
4198
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18598-08
STRUCTURAL
COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T1S	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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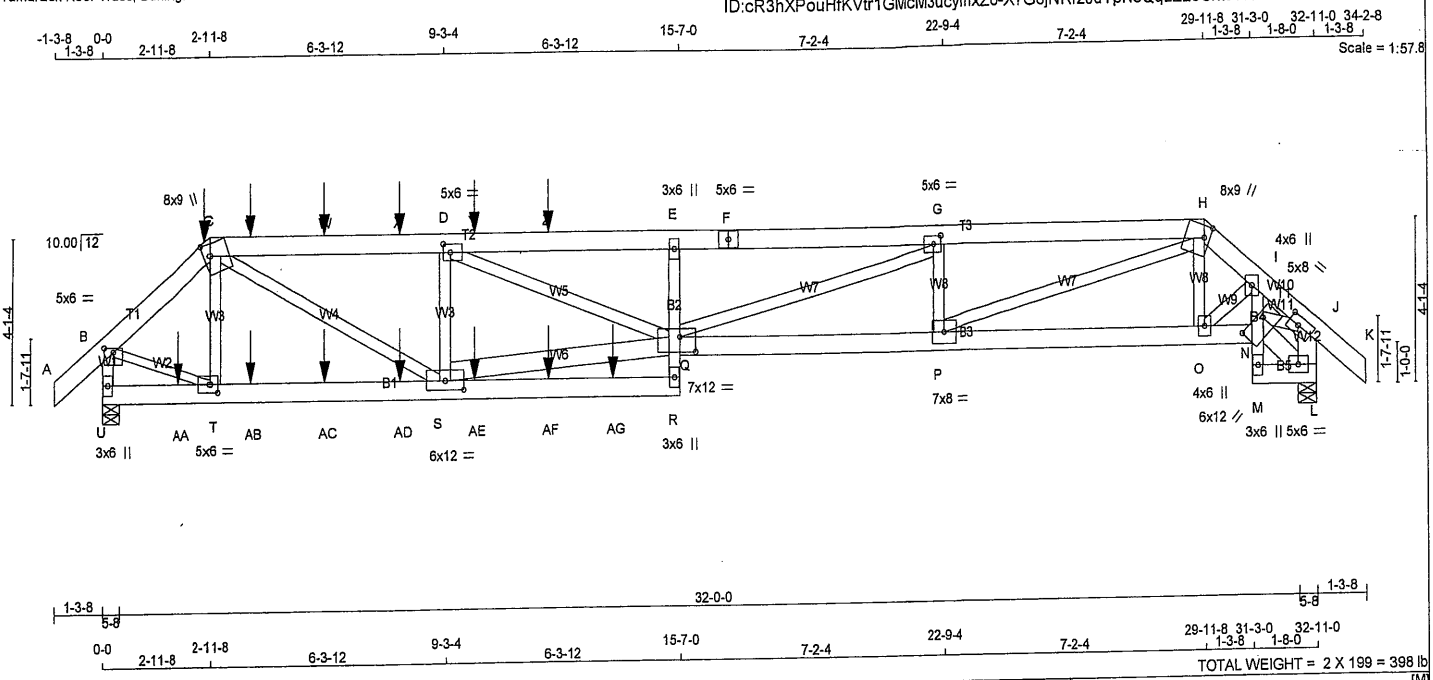

TOTAL WEIGHT = 2 X 199 = 398 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	No.2	SPF
C - F	2x6	DRY	No.2	SPF
F - H	2x6	DRY	No.2	SPF
H - K	2x6	DRY	No.2	SPF
U - B	2x4	DRY	No.2	SPF
L - J	2x6	DRY	No.2	SPF
U - R	2x6	DRY	No.2	SPF
R - E	2x4	DRY	No.2	SPF
Q - N	2x6	DRY	2100F 1.8E	SPF
M - I	2x4	DRY	No.2	SPF
M - L	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF
S - Q	2x6	DRY	No.2	SPF
B - T	2x3	DRY	No.2	SPF
N - L	2x6	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	2	12	SIDE(122.0)
C- F	2	12	SIDE(61.0)
F- H	2	12	TOP
H- K	2	12	TOP
L- J	2	12	TOP
U- B	1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
U- R	2	12	SIDE(0.0)
Q- N	2	12	TOP
M- L	2	12	TOP
R- E	1	12	TOP
I- M	1	12	TOP
WEBS : (0.122"X3") SPIRAL NAILS			
2x3	1	6	
2x4	1	6	
2x6	2	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.25	3.00
C	TTWW+m	MT20	8.0	9.0	3.50	1.75
D	TMWW-t	MT20	5.0	6.0	2.50	2.25
E	TMV+p	MT20	3.0	6.0		
F	TS-t	MT20	5.0	6.0		
G	TMWW-t	MT20	5.0	6.0	2.50	2.50
H	TTWW+m	MT20	8.0	9.0	3.50	1.75
I	TMVW+p	MT20	4.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
U	4494	0	4494	0	0	5-8	5-8
L	3515	0	3515	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	3543	2119 / 0	619 / 0	0 / 0	0 / 0	805 / 0	0 / 0
L	2767	1661 / 0	479 / 0	0 / 0	0 / 0	626 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.85 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 52	-112.4	-112.4	0.05 (1)	10.00	
B- C	-4437 / 0	-112.4	-112.4	0.07 (1)	5.41	
C- V	-8709 / 0	-112.4	-112.4	0.42 (1)	3.78	
V- W	-8709 / 0	-112.4	-112.4	0.42 (1)	3.78	
W- X	-8709 / 0	-112.4	-112.4	0.42 (1)	3.78	
X- D	-8709 / 0	-112.4	-112.4	0.42 (1)	3.78	
D- Y	-13839 / 0	-112.4	-112.4	0.65 (1)	2.85	
Y- Z	-13839 / 0	-112.4	-112.4	0.65 (1)	2.85	
Z- E	-13839 / 0	-112.4	-112.4	0.65 (1)	2.85	
E- F	-13995 / 0	-112.4	-112.4	0.62 (1)	2.92	
F- G	-13995 / 0	-112.4	-112.4	0.62 (1)	2.92	
G- H	-10289 / 0	-112.4	-112.4	0.44 (1)	3.54	
H- I	-4711 / 0	-112.4	-112.4	0.15 (1)	5.19	
I- J	-5090 / 0	-112.4	-112.4	0.15 (1)	5.03	
J- K	0 / 52	-112.4	-112.4	0.05 (1)	10.00	
U- B	-4408 / 0	0.0	0.0	0.25 (1)	5.68	
L- J	-3412 / 0	0.0	0.0	0.12 (1)	7.55	
U-AA	0 / 0	-28.0	-28.0	0.04 (1)	10.00	
AA- T	0 / 0	-28.0	-28.0	0.04 (1)	10.00	
T-AB	0 / 3341	-28.0	-28.0	0.53 (1)	10.00	
AB-AC	0 / 3341	-28.0	-28.0	0.53 (1)	10.00	
AC-AD	0 / 3341	-28.0	-28.0	0.53 (1)	10.00	
AD- S	0 / 3341	-28.0	-28.0	0.53 (1)	10.00	
S-AE	0 / 414	-28.0	-28.0	0.86 (1)	10.00	
AE-AF	0 / 414	-28.0	-28.0	0.86 (1)	10.00	
AF-AG	0 / 414	-28.0	-28.0	0.86 (1)	10.00	
AG- R	0 / 414	-28.0	-28.0	0.86 (1)	10.00	
R- Q	0 / 1391	0.0	0.0	0.43 (1)	10.00	
Q- E	-644 / 0	0.0	0.0	0.31 (1)	7.81	
Q- P	0 / 10289	-28.0	-28.0	0.33 (1)	10.00	
P- O	0 / 3695	-28.0	-28.0	0.18 (1)	10.00	
O- N	0 / 3874	-28.0	-28.0	0.19 (1)	10.00	
M- N	0 / 37	0.0	0.0	0.09 (1)	10.00	
N- I	0 / 491	0.0	0.0	0.14 (1)	10.00	
M- L	0 / 102	-28.0	-28.0	0.01 (2)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
T- C	-1187 / 0	0.10 (1)
C- S	0 / 6222	0.55 (1)
S- D	-3411 / 0	0.29 (1)
S- Q	0 / 8543	0.55 (1)
D- Q	0 / 5426	0.48 (1)
Q- G	0 / 3949	0.35 (1)
P- G	-2273 / 0	0.15 (1)
P- H	0 / 7000	0.62 (1)
O- H	0 / 238	0.02 (3)
O- I	-247 / 0	0.01 (1)
B- T	0 / 3601	0.45 (1)
N- L	-131 / 0	0.00 (1)
N- J	0 / 3777	0.33 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	2-11-8	-33	-36	---	FRONT	VERT	DEAD
C	2-11-8	-206	-206	---	FRONT	VERT	SNOW

LICENSED PROFESSIONAL ENGINEER
41078
S. KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 864 (0.46")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 532 (0.74")

CSI: TC=0.65/1.00 (D-E:1) , BC=0.86/1.00 (R-S:1) , WB=0.62/1.00 (H-P:1) , SSI=0.46/1.00 (R-S:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE LEFT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

P6

DWG NO. TAM 185528

STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286842	T1S	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
J	TMVW-t	MT20	5.0	8.0	2.50	3.25
L	BMVW1-t	MT20	5.0	6.0		
M	BMV+p	MT20	3.0	6.0		
N	BVMWW-w	MT20	6.0	12.0	1.75	7.75
O	BMWW+t	MT20	4.0	6.0		
P	BMWW-t	MT20	7.0	8.0		
Q	BVMWWW-l	MT20	7.0	12.0	4.50	5.00
R	BMV+p	MT20	3.0	6.0		
S	BMWWW-t	MT20	6.0	12.0	2.75	6.00
T	BMWW-t	MT20	5.0	6.0	2.50	2.50
U	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 135.3 lbs FACTORED DOWN AT 4-0-12, 135.3 lbs FACTORED DOWN AT 6-0-12, 135.3 lbs FACTORED DOWN AT 8-0-12, 135.3 lbs FACTORED DOWN AT 10-0-12, AND 135.3 lbs FACTORED DOWN AT 12-0-12, AND 238.0 lbs FACTORED DOWN AT 2-11-8 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 2-0-12, 69.9 lbs FACTORED DOWN AT 4-0-12, 69.9 lbs FACTORED DOWN AT 6-0-12, 69.9 lbs FACTORED DOWN AT 8-0-12, 69.9 lbs FACTORED DOWN AT 10-0-12, AND 69.9 lbs FACTORED DOWN AT 12-0-12, AND 1908.8 lbs FACTORED DOWN AT 13-9-8 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	4-0-12	-135	-135	—	FRONT	VERT	TOTAL
W	6-0-12	-135	-135	—	FRONT	VERT	TOTAL
X	8-0-12	-135	-135	—	FRONT	VERT	TOTAL
Y	10-0-12	-135	-135	—	FRONT	VERT	TOTAL
Z	12-0-12	-135	-135	—	FRONT	VERT	TOTAL
AA	2-0-12	-40	-70	—	FRONT	VERT	TOTAL
AB	4-0-12	-40	-70	—	FRONT	VERT	TOTAL
AC	6-0-12	-40	-70	—	FRONT	VERT	TOTAL
AD	8-0-12	-40	-70	—	FRONT	VERT	TOTAL
AE	10-0-12	-40	-70	—	FRONT	VERT	TOTAL
AF	12-0-12	-40	-70	—	FRONT	VERT	TOTAL
AG	13-9-8	-1909	-1909	—	FRONT	VERT	TOTAL

JSI GRIP= 0.90 (G) (INPUT = 0.90)
JSI METAL= 0.72 (Q) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4/07/18
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 185218
STRUCTURAL
COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
296798	T1S2	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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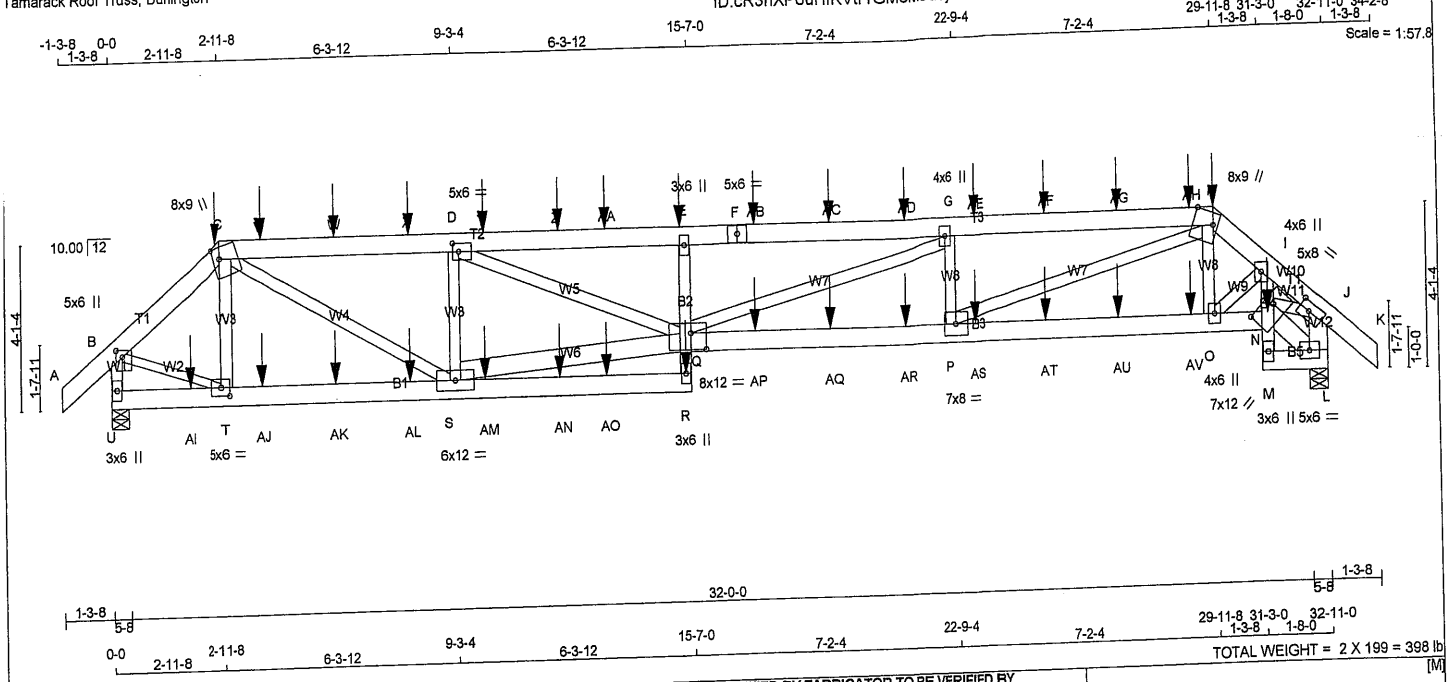

TOTAL WEIGHT = 2 X 199 = 398 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	No.2	SPF
C - F	2x6	DRY	No.2	SPF
F - H	2x6	DRY	No.2	SPF
H - K	2x6	DRY	No.2	SPF
U - B	2x4	DRY	No.2	SPF
L - J	2x6	DRY	No.2	SPF
U - R	2x6	DRY	No.2	SPF
R - E	2x4	DRY	No.2	SPF
Q - N	2x6	DRY	2100F 1.8E	SPF
M - I	2x4	DRY	No.2	SPF
M - L	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF
S - Q	2x6	DRY	No.2	SPF
B - T	2x3	DRY	No.2	SPF
N - L	2x6	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	2	12	SIDE(122.0)
C- F	2	12	SIDE(183.1)
F- H	2	12	SIDE(61.0)
H- K	2	12	SIDE(122.0)
L- J	2	12	TOP
U- B	1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
U- R	2	12	SIDE(122.0)
Q- N	2	12	SIDE(65.9)
M- L	2	12	TOP
R- E	1	12	TOP
I- M	1	12	TOP
WEBS : (0.122"X3") SPIRAL NAILS			
2x3	1	6	
2x4	1	6	
2x6	2	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	2.00	2.00
C	TTWW+m	MT20	8.0	9.0	3.50	2.25
D	TMWW-t	MT20	5.0	6.0	2.50	2.00
E	TMV+p	MT20	3.0	6.0		
F	TS-t	MT20	5.0	6.0		
G	TMWW+t	MT20	4.0	6.0		
H	TTWW+m	MT20	8.0	9.0	Edge 6.50	
I	TMVW+p	MT20	4.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
U	4135	0	4135	0	0	5-8	5-8
L	4420	0	4420	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	3291	1918 / 0	610 / 0	0 / 0	0 / 0	762 / 0	0 / 0
L	3519	2049 / 0	654 / 0	0 / 0	0 / 0	815 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.90 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 52	-112.4	-112.4	0.05 (1)	10.00
B- C	-4128 / 0	-112.4	-112.4	0.07 (1)	5.56
C- V	-7611 / 0	-112.4	-112.4	0.40 (1)	4.03
V- W	-7611 / 0	-112.4	-112.4	0.40 (1)	4.03
W- X	-7611 / 0	-112.4	-112.4	0.40 (1)	4.03
X- D	-7611 / 0	-112.4	-112.4	0.40 (1)	4.03
D- Y	-12904 / 0	-112.4	-112.4	0.61 (1)	2.98
Y- Z	-12904 / 0	-112.4	-112.4	0.61 (1)	2.98
Z-AA	-12904 / 0	-112.4	-112.4	0.61 (1)	2.98
AA- E	-12904 / 0	-112.4	-112.4	0.61 (1)	2.98
E- F	-13049 / 0	-112.4	-112.4	0.71 (1)	2.90
F-AB	-13049 / 0	-112.4	-112.4	0.71 (1)	2.90
AB-AC	-13049 / 0	-112.4	-112.4	0.71 (1)	2.90
AC-AD	-13049 / 0	-112.4	-112.4	0.71 (1)	2.90
AD- G	-13049 / 0	-112.4	-112.4	0.71 (1)	2.90
G-AE	-11715 / 0	-112.4	-112.4	0.66 (1)	3.11
AE-AF	-11715 / 0	-112.4	-112.4	0.66 (1)	3.11
AF-AG	-11715 / 0	-112.4	-112.4	0.66 (1)	3.11
AG-AH	-11715 / 0	-112.4	-112.4	0.66 (1)	3.11
AH- H	-11715 / 0	-112.4	-112.4	0.66 (1)	3.11
H- I	-6082 / 0	-112.4	-112.4	0.20 (1)	4.62
I- J	-6526 / 0	-112.4	-112.4	0.21 (1)	4.48
J- K	0 / 52	-112.4	-112.4	0.05 (1)	10.00
U- B	-4123 / 0	0.0	0.0	0.23 (1)	5.84
L- J	-4294 / 0	0.0	0.0	0.15 (1)	6.91
U-AI	0 / 0	-28.0	-28.0	0.07 (2)	10.00
AI- T	0 / 0	-28.0	-28.0	0.07 (2)	10.00
T-AJ	0 / 3118	-28.0	-28.0	0.25 (1)	10.00
AJ-AK	0 / 3118	-28.0	-28.0	0.25 (1)	10.00
AK-AL	0 / 3118	-28.0	-28.0	0.25 (1)	10.00
AL- S	0 / 3118	-28.0	-28.0	0.25 (1)	10.00
S-AM	0 / 384	-28.0	-28.0	0.13 (3)	10.00
AM-AN	0 / 384	-28.0	-28.0	0.13 (3)	10.00
AN-AO	0 / 384	-28.0	-28.0	0.13 (3)	10.00
AO- R	0 / 384	-28.0	-28.0	0.13 (3)	10.00
R- Q	0 / 289	0.0	0.0	0.30 (1)	10.00
Q- E	-1091 / 0	0.0	0.0	0.30 (1)	7.81
Q-AP	0 / 11716	-28.0	-28.0	0.42 (1)	10.00
AP-AQ	0 / 11716	-28.0	-28.0	0.42 (1)	10.00
AQ-AR	0 / 11716	-28.0	-28.0	0.42 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
T- C	-864 / 0	0.07 (1)
C- S	0 / 5209	0.46 (1)
S- D	-3497 / 0	0.30 (1)
S- Q	0 / 7466	0.48 (1)
D- Q	0 / 5599	0.49 (1)
Q- G	0 / 1420	0.13 (1)
P- G	-1940 / 0	0.13 (1)
P- H	0 / 7359	0.65 (1)
O- H	0 / 474	0.04 (2)
O- I	-283 / 0	0.02 (1)
B- T	0 / 3350	0.41 (1)
N- L	-167 / 0	0.01 (1)
N- J	0 / 4851	0.43 (1)

LICENSED PROFESSIONAL ENGINEER
4107B
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18564-18
STRUCTURAL COMPONENT ONLY

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.40")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 608 (0.65")

CSI: TC=0 71/1.00 (E-G:1) , BC=0.42/1.00 (P-Q:1) , WB=0.65/1.00 (H-P:1) , SSI=0.27/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE LEFT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

CONTINUED ON PAGE 2

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
296798	T1S2	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
J	TMVW-t	MT20	5.0	8.0	2.50	3.25
L	BMVW1-t	MT20	5.0	6.0		
M	BMV+p	MT20	3.0	6.0		
N	BVMWW-w	MT20	7.0	12.0	2.75	7.50
O	BMWW+t	MT20	4.0	6.0		
P	BMWW-t	MT20	7.0	8.0		
Q	BVMWWW-l	MT20	8.0	12.0	5.00	5.00
R	BMV+p	MT20	3.0	6.0		
S	BMWWW-t	MT20	6.0	12.0		
T	BMWW-t	MT20	5.0	6.0	2.50	2.50
U	BMV1+p	MT20	3.0	6.0		

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

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 135.3 lbs FACTORED DOWN AT 4-0-12, 135.3 lbs FACTORED DOWN AT 6-0-12, 135.3 lbs FACTORED DOWN AT 8-0-12, 135.3 lbs FACTORED DOWN AT 10-0-12, 135.3 lbs FACTORED DOWN AT 12-0-12, 135.3 lbs FACTORED DOWN AT 13-3-12, 135.3 lbs FACTORED DOWN AT 15-3-12, 137.5 lbs FACTORED DOWN AT 17-3-12, 137.5 lbs FACTORED DOWN AT 19-3-12, 137.5 lbs FACTORED DOWN AT 21-3-12, 137.5 lbs FACTORED DOWN AT 23-3-12, 137.5 lbs FACTORED DOWN AT 25-3-12, 137.5 lbs FACTORED DOWN AT 27-3-12, 157.3 lbs FACTORED DOWN AT 29-3-12, AND 238.0 lbs FACTORED DOWN AT 2-11-8, AND 238.0 lbs FACTORED DOWN AT 29-11-8 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 2-0-12, 69.9 lbs FACTORED DOWN AT 4-0-12, 69.9 lbs FACTORED DOWN AT 6-0-12, 69.9 lbs FACTORED DOWN AT 8-0-12, 69.9 lbs FACTORED DOWN AT 10-0-12, 69.9 lbs FACTORED DOWN AT 12-0-12, 69.9 lbs FACTORED DOWN AT 13-3-12, 91.4 lbs FACTORED DOWN AT 15-5-4, 117.0 lbs FACTORED DOWN AT 17-3-12, 117.0 lbs FACTORED DOWN AT 19-3-12, 117.0 lbs FACTORED DOWN AT 21-3-12, 117.0 lbs FACTORED DOWN AT 23-3-12, 117.0 lbs FACTORED DOWN AT 25-3-12, 117.0 lbs FACTORED DOWN AT 27-3-12, AND 117.0 lbs FACTORED DOWN AT 29-3-12, AND 92.4 lbs FACTORED DOWN AT 31-4-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
AR- P	0 / 11716	-28.0	-28.0	0.42 (1)	10.00
P-AS	0 / 4783	-28.0	-28.0	0.25 (1)	10.00
AS-AT	0 / 4783	-28.0	-28.0	0.25 (1)	10.00
AT-AU	0 / 4783	-28.0	-28.0	0.25 (1)	10.00
AU-AV	0 / 4783	-28.0	-28.0	0.25 (1)	10.00
AV- O	0 / 4783	-28.0	-28.0	0.25 (1)	10.00
O- N	0 / 4968	-28.0	-28.0	0.26 (1)	10.00
M- N	0 / 37	0.0	0.0	0.12 (1)	10.00
N- I	0 / 619	0.0	0.0	0.17 (1)	10.00
M- L	0 / 130	-28.0	-28.0	0.01 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	2-11-8	-33	-36	—	FRONT	VERT	DEAD
C	2-11-8	-206	-206	—	FRONT	VERT	SNOW
E	15-3-12	-135	-135	—	FRONT	VERT	TOTAL
H	29-11-8	-33	-36	—	FRONT	VERT	DEAD
H	29-11-8	-206	-206	—	FRONT	VERT	SNOW
N	31-4-12	-53	-92	—	FRONT	VERT	TOTAL
R	15-5-4	-52	-91	—	FRONT	VERT	TOTAL
V	4-0-12	-135	-135	—	FRONT	VERT	TOTAL
W	6-0-12	-135	-135	—	FRONT	VERT	TOTAL
X	8-0-12	-135	-135	—	FRONT	VERT	TOTAL
Y	10-0-12	-135	-135	—	FRONT	VERT	TOTAL
Z	12-0-12	-135	-135	—	FRONT	VERT	TOTAL
AA	13-3-12	-135	-135	—	FRONT	VERT	TOTAL
AB	17-3-12	-137	-137	—	FRONT	VERT	TOTAL
AC	19-3-12	-137	-137	—	FRONT	VERT	TOTAL
AD	21-3-12	-137	-137	—	FRONT	VERT	TOTAL
AE	23-3-12	-137	-137	—	FRONT	VERT	TOTAL
AF	25-3-12	-137	-137	—	FRONT	VERT	TOTAL
AG	27-3-12	-137	-137	—	FRONT	VERT	TOTAL
AH	29-3-12	-157	-157	—	FRONT	VERT	TOTAL
AI	2-0-12	-40	-70	—	FRONT	VERT	TOTAL
AJ	4-0-12	-40	-70	—	FRONT	VERT	TOTAL
AK	6-0-12	-40	-70	—	FRONT	VERT	TOTAL
AL	8-0-12	-40	-70	—	FRONT	VERT	TOTAL
AM	10-0-12	-40	-70	—	FRONT	VERT	TOTAL
AN	12-0-12	-40	-70	—	FRONT	VERT	TOTAL
AO	13-3-12	-40	-70	—	FRONT	VERT	TOTAL
AP	17-3-12	-117	-117	—	FRONT	VERT	TOTAL
AQ	19-3-12	-117	-117	—	FRONT	VERT	TOTAL
AR	21-3-12	-117	-117	—	FRONT	VERT	TOTAL
AS	23-3-12	-117	-117	—	FRONT	VERT	TOTAL
AT	25-3-12	-117	-117	—	FRONT	VERT	TOTAL
AU	27-3-12	-117	-117	—	FRONT	VERT	TOTAL
AV	29-3-12	-117	-117	—	FRONT	VERT	TOTAL

JSI GRIP= 0.88 (B) (INPUT = 0.90)
JSI METAL= 0.66 (D) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4107B
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 185864-18
STRUCTURAL
COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286844	T1S3	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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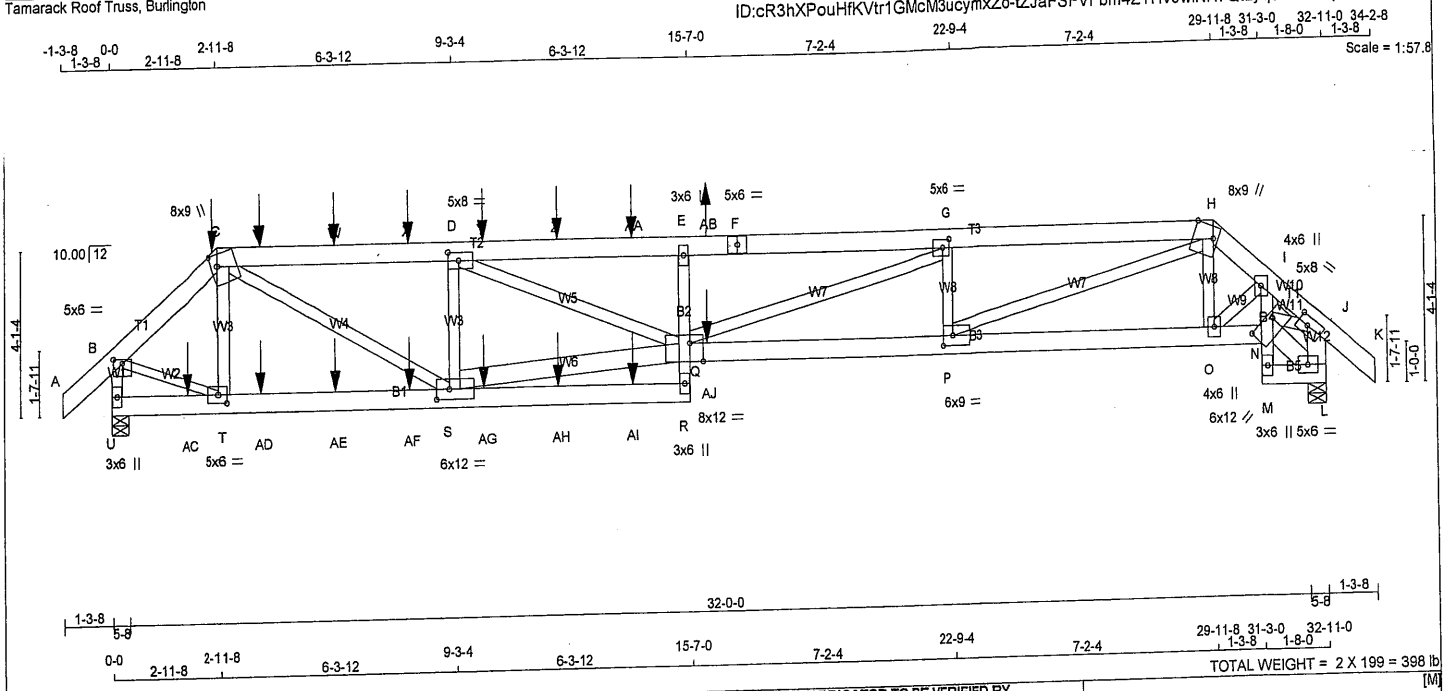

TOTAL WEIGHT = 2 X 199 = 398 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	No.2	SPF
C - F	2x6	DRY	No.2	SPF
F - H	2x6	DRY	No.2	SPF
H - K	2x6	DRY	No.2	SPF
U - B	2x4	DRY	No.2	SPF
L - J	2x6	DRY	No.2	SPF
U - R	2x6	DRY	No.2	SPF
R - E	2x4	DRY	No.2	SPF
Q - N	2x6	DRY	2100F 1.8E	SPF
M - I	2x4	DRY	No.2	SPF
M - L	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF
S - Q	2x6	DRY	No.2	SPF
B - T	2x3	DRY	No.2	SPF
N - L	2x6	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	2	12	SIDE(122.0)
C- F	2	12	SIDE(61.0)
F- H	2	12	TOP
H- K	2	12	TOP
L- J	2	12	TOP
U- B	1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
U- R	2	12	SIDE(0.0)
Q- N	2	12	SIDE(0.0)
M- L	2	12	TOP
R- E	1	12	TOP
I- M	1	12	TOP
WEBS : (0.122"X3") SPIRAL NAILS			
2x3	1	6	
2x4	1	6	
2x6	2	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.25	3.00
C	TTWW+m	MT20	8.0	9.0	3.50	2.00
D	TMWW-t	MT20	5.0	8.0	2.50	3.50
E	TMV+p	MT20	3.0	6.0		
F	TS-t	MT20	5.0	6.0		
G	TMWW-t	MT20	5.0	6.0	2.50	2.50
H	TTWW+m	MT20	8.0	9.0	Edge	6.50
I	TMVW+p	MT20	4.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
U	4457	0	4457	0	0	5-8	5-8
L	3713	0	3713	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	3531	2110 / 0	647 / 0	0 / 0	0 / 0	775 / 0	0 / 0
L	2937	1767 / 0	533 / 0	0 / 0	0 / 0	638 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.68 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 52	-112.4	-112.4	0.05 (1)	10.00	
B- C	-4481 / 0	-112.4	-112.4	0.07 (1)	5.38	
C- V	-8423 / 0	-112.4	-112.4	0.44 (1)	3.81	
V- W	-8423 / 0	-112.4	-112.4	0.44 (1)	3.81	
W- X	-8423 / 0	-112.4	-112.4	0.44 (1)	3.81	
X- D	-8423 / 0	-112.4	-112.4	0.44 (1)	3.81	
D- Y	-14701 / 0	-112.4	-112.4	0.73 (1)	2.68	
Y- Z	-14701 / 0	-112.4	-112.4	0.73 (1)	2.68	
Z-AA	-14701 / 0	-112.4	-112.4	0.73 (1)	2.68	
AA- E	-14701 / 0	-112.4	-112.4	0.73 (1)	2.68	
E-AB	-14866 / 0	-112.4	-112.4	0.67 (1)	2.80	
AB- F	-14866 / 0	-112.4	-112.4	0.67 (1)	2.80	
F- G	-14866 / 0	-112.4	-112.4	0.67 (1)	2.80	
G- H	-11153 / 0	-112.4	-112.4	0.49 (1)	3.38	
H- I	-4956 / 0	-112.4	-112.4	0.16 (1)	5.07	
I- J	-5405 / 0	-112.4	-112.4	0.16 (1)	4.90	
J- K	0 / 52	-112.4	-112.4	0.05 (1)	10.00	
U- B	-4448 / 0	0.0	0.0	0.25 (1)	5.65	
L- J	-3605 / 0	0.0	0.0	0.13 (1)	7.39	
U-AC	0 / 0	-28.0	-28.0	0.07 (2)	10.00	
AC- T	0 / 0	-28.0	-28.0	0.07 (2)	10.00	
T-AD	0 / 3384	-28.0	-28.0	0.28 (1)	10.00	
AD-AE	0 / 3384	-28.0	-28.0	0.28 (1)	10.00	
AE-AF	0 / 3384	-28.0	-28.0	0.28 (1)	10.00	
AF- S	0 / 3384	-28.0	-28.0	0.28 (1)	10.00	
S-AG	0 / 435	-28.0	-28.0	0.13 (3)	10.00	
AG-AH	0 / 435	-28.0	-28.0	0.13 (3)	10.00	
AH-AI	0 / 435	-28.0	-28.0	0.13 (3)	10.00	
AI- R	0 / 435	-28.0	-28.0	0.13 (3)	10.00	
R- Q	0 / 209	0.0	0.0	0.34 (1)	10.00	
Q- E	-635 / 42	0.0	0.0	0.33 (1)	7.81	
Q-AJ	0 / 11153	-28.0	-28.0	0.53 (1)	10.00	
AJ- P	0 / 11153	-28.0	-28.0	0.53 (1)	10.00	
P- O	0 / 3882	-28.0	-28.0	0.17 (1)	10.00	
O- N	0 / 4127	-28.0	-28.0	0.18 (1)	10.00	
M- N	0 / 37	0.0	0.0	0.10 (1)	10.00	
N- I	0 / 593	0.0	0.0	0.15 (1)	10.00	
M- L	0 / 109	-28.0	-28.0	0.01 (1)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
T- C	-953 / 0	0.08 (1)
C- S	0 / 5841	0.52 (1)
S- D	-3952 / 0	0.34 (1)
S- Q	0 / 8255	0.54 (1)
D- Q	0 / 6651	0.59 (1)
Q- G	0 / 3956	0.35 (1)
P- G	-2253 / 0	0.15 (1)
P- H	0 / 7719	0.68 (1)
O- H	0 / 195	0.02 (3)
O- I	-315 / 0	0.02 (1)
B- T	0 / 3636	0.45 (1)
N- L	-139 / 0	0.01 (1)
N- J	0 / 4013	0.35 (1)

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 855 (0.46")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 533 (0.74")

CSI: TC=0.73/1.00 (D-E:1) , BC=0.53/1.00 (P-Q:1) , WB=0.68/1.00 (H-P:1) , SSI=0.64/1.00 (P-Q:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE LEFT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

LICENSED PROFESSIONAL ENGINEER
4/07/18
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18596-18

STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286844	T1S3	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
J	TMVW-t	MT20	5.0	8.0	2.50	3.25
L	BMVW1-t	MT20	5.0	6.0		
M	BMV+p	MT20	3.0	6.0		
N	BVMWW-w	MT20	6.0	12.0	1.75	7.75
O	BMWW+t	MT20	4.0	6.0		
P	BMWW-t	MT20	6.0	9.0	3.00	3.50
Q	BVMWWW-l	MT20	8.0	12.0	Edge	4.25
R	BMV+p	MT20	3.0	6.0		
S	BMWWW-t	MT20	6.0	12.0	3.00	4.00
T	BMWW-t	MT20	5.0	6.0	2.50	2.50
U	BMV1+p	MT20	3.0	6.0		

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

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 135.3 lbs FACTORED DOWN AT 4-0-12, 135.3 lbs FACTORED DOWN AT 6-0-12, 135.3 lbs FACTORED DOWN AT 8-0-12, 135.3 lbs FACTORED DOWN AT 10-0-12, 135.3 lbs FACTORED DOWN AT 12-0-12, 135.3 lbs FACTORED DOWN AT 14-0-12, AND 1.0 lbs FACTORED DOWN AND 126.3 lbs FACTORED UP AT 16-0-8, AND 238.0 lbs FACTORED DOWN AT 2-11-8 ON TOP CHORD, AND 69.9 lbs FACTORED DOWN AT 2-0-12, 69.9 lbs FACTORED DOWN AT 4-0-12, 69.9 lbs FACTORED DOWN AT 6-0-12, 69.9 lbs FACTORED DOWN AT 8-0-12, 69.9 lbs FACTORED DOWN AT 10-0-12, 69.9 lbs FACTORED DOWN AT 12-0-12, AND 69.9 lbs FACTORED DOWN AT 14-0-12, AND 2006.9 lbs FACTORED DOWN AT 16-0-8 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
C	2-11-8	-33	-36	—	FRONT	VERT	DEAD
C	2-11-8	-206	-206	—	FRONT	VERT	SNOW
V	4-0-12	-135	-135	—	FRONT	VERT	TOTAL
W	6-0-12	-135	-135	—	FRONT	VERT	TOTAL
X	8-0-12	-135	-135	—	FRONT	VERT	TOTAL
Y	10-0-12	-135	-135	—	FRONT	VERT	TOTAL
Z	12-0-12	-135	-135	—	FRONT	VERT	TOTAL
AA	14-0-12	-135	-135	—	FRONT	VERT	TOTAL
AB	16-0-8	113	1	113	FRONT	VERT	TOTAL
AC	2-0-12	-40	-70	—	FRONT	VERT	TOTAL
AD	4-0-12	-40	-70	—	FRONT	VERT	TOTAL
AE	6-0-12	-40	-70	—	FRONT	VERT	TOTAL
AF	8-0-12	-40	-70	—	FRONT	VERT	TOTAL
AG	10-0-12	-40	-70	—	FRONT	VERT	TOTAL
AH	12-0-12	-40	-70	—	FRONT	VERT	TOTAL
AI	14-0-12	-40	-70	—	FRONT	VERT	TOTAL
AJ	16-0-8	-2007	-2007	—	FRONT	VERT	TOTAL

JSI GRIP= 0.90 (H) (INPUT = 0.90)
JSI METAL= 0.67 (Q) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4107B
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 1 B5B648
STRUCTURAL
COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286843	T2	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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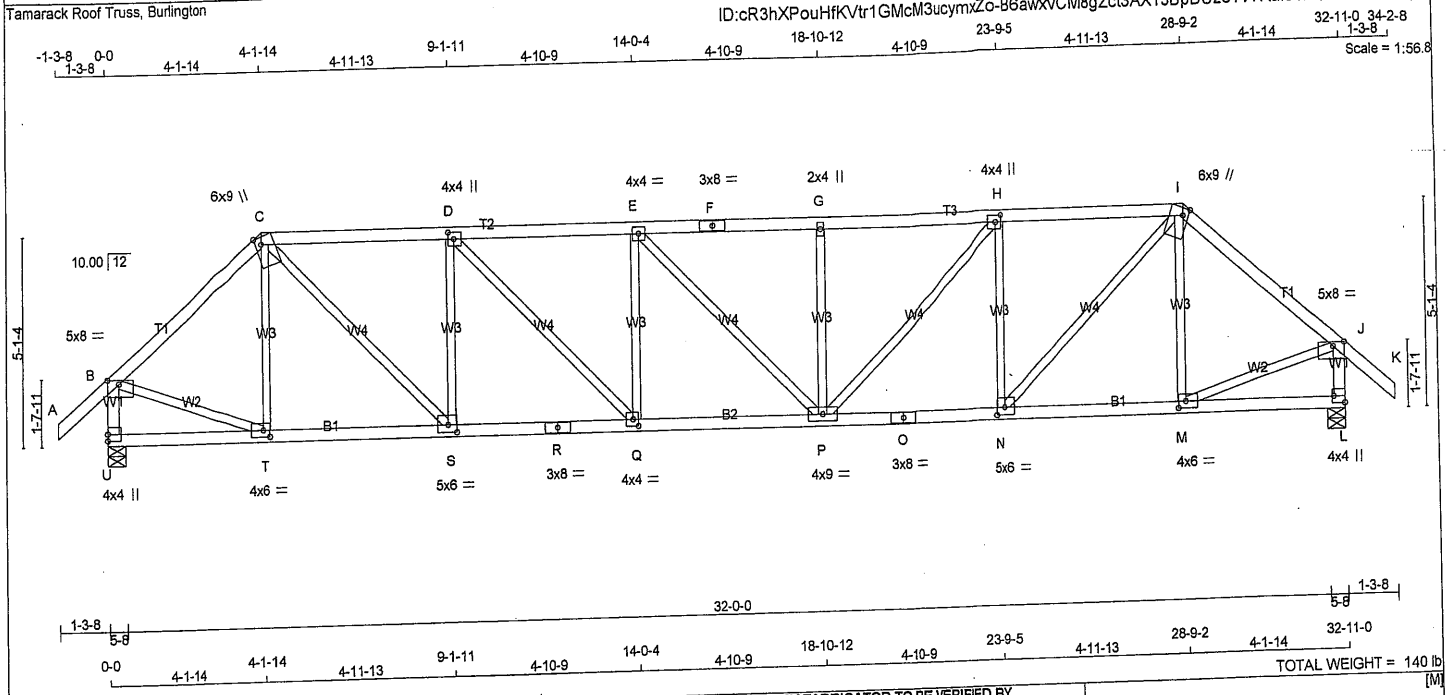

TOTAL WEIGHT = 140 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - F	2x4	DRY	No.2	SPF
F - I	2x4	DRY	No.2	SPF
I - K	2x4	DRY	No.2	SPF
U - B	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
U - R	2x4	DRY	No.2	SPF
R - O	2x4	DRY	No.2	SPF
O - L	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	1.25	3.50
C	TTWW+m	MT20	6.0	9.0	Edge	1.75
D	TMWW+t	MT20	4.0	4.0	2.00	1.75
E	TMWW-t	MT20	4.0	4.0		
F	TS-t	MT20	3.0	8.0		
G	TMW+w	MT20	2.0	4.0		
H	TMWW+t	MT20	4.0	4.0	2.00	1.75
I	TTWW+m	MT20	6.0	9.0	Edge	1.75
J	TMVW-p	MT20	5.0	8.0	1.25	3.50
L	BMV1+p	MT20	4.0	4.0	2.00	Edge
M	BMWW-t	MT20	4.0	6.0	2.00	2.25
N	BMWW-t	MT20	5.0	6.0	2.25	2.75
O	BS-t	MT20	3.0	8.0		
P	BMWWW-t	MT20	4.0	9.0		
Q	BMWW-t	MT20	4.0	4.0	2.00	1.75
R	BS-t	MT20	3.0	8.0		
S	BMWW-t	MT20	5.0	6.0	2.25	2.75
T	BMWW-t	MT20	4.0	6.0	2.00	2.25
U	BMV1+p	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
U	2467	0	2467	0	0	5-8	5-8
L	2467	0	2467	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	1949	1159 / 0	346 / 0	0 / 0	0 / 0	445 / 0	0 / 0
L	1949	1159 / 0	346 / 0	0 / 0	0 / 0	445 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.98 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FROM	FACTORED VERT. LOAD LC1 (PLF) TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00
B- C	-2316 / 0	-112.4	-112.4	0.46 (1)	4.05
C- D	-3235 / 0	-112.4	-112.4	0.60 (1)	3.35
D- E	-3914 / 0	-112.4	-112.4	0.68 (1)	2.98
E- F	-3912 / 0	-112.4	-112.4	0.56 (1)	3.14
F- G	-3912 / 0	-112.4	-112.4	0.56 (1)	3.14
G- H	-3912 / 0	-112.4	-112.4	0.69 (1)	2.98
H- I	-3235 / 0	-112.4	-112.4	0.60 (1)	3.34
I- J	-2316 / 0	-112.4	-112.4	0.46 (1)	4.05
J- K	0 / 50	-112.4	-112.4	0.15 (1)	10.00
U- B	-2421 / 0	0.0	0.0	0.26 (1)	5.50
L- J	-2421 / 0	0.0	0.0	0.26 (1)	5.50
U- T	0 / 0	-28.0	-28.0	0.15 (3)	10.00
T- S	0 / 1766	-28.0	-28.0	0.37 (1)	10.00
S- R	0 / 3235	-28.0	-28.0	0.58 (1)	10.00
R- Q	0 / 3235	-28.0	-28.0	0.58 (1)	10.00
Q- P	0 / 3914	-28.0	-28.0	0.69 (1)	10.00
P- O	0 / 3236	-28.0	-28.0	0.58 (1)	10.00
O- N	0 / 3236	-28.0	-28.0	0.58 (1)	10.00
N- M	0 / 1766	-28.0	-28.0	0.36 (1)	10.00
M- L	0 / 0	-28.0	-28.0	0.15 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
T- C	-398 / 0	0.15 (1)
C- S	0 / 2038	0.46 (1)
S- D	-1279 / 0	0.49 (1)
D- Q	0 / 954	0.21 (1)
Q- E	-532 / 0	0.20 (1)
E- P	-3 / 0	0.00 (1)
P- G	-531 / 0	0.20 (1)
P- H	0 / 950	0.21 (1)
N- H	-1278 / 0	0.49 (1)
N- I	0 / 2038	0.46 (1)
M- I	-398 / 0	0.15 (1)
B- T	0 / 1856	0.42 (1)
M- J	0 / 1856	0.42 (1)

LICENSED PROFESSIONAL ENGINEER
4/07/18
S KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.24")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.39")

CSI: TC=0.69/1.00 (G-H:1) , BC=0.69/1.00 (P-Q:1) , WB=0.49/1.00 (D-S:1) , SSI=0.26/1.00 (H-I:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (N) (INPUT = 0.90)
JSI METAL= 0.90 (O) (INPUT = 1.00)

DWG NO. TAM 185G2-18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T2S	1	1	OBC2012_6TCDL TRUSS DESC.	

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Tamarack Roof Truss, Burlington

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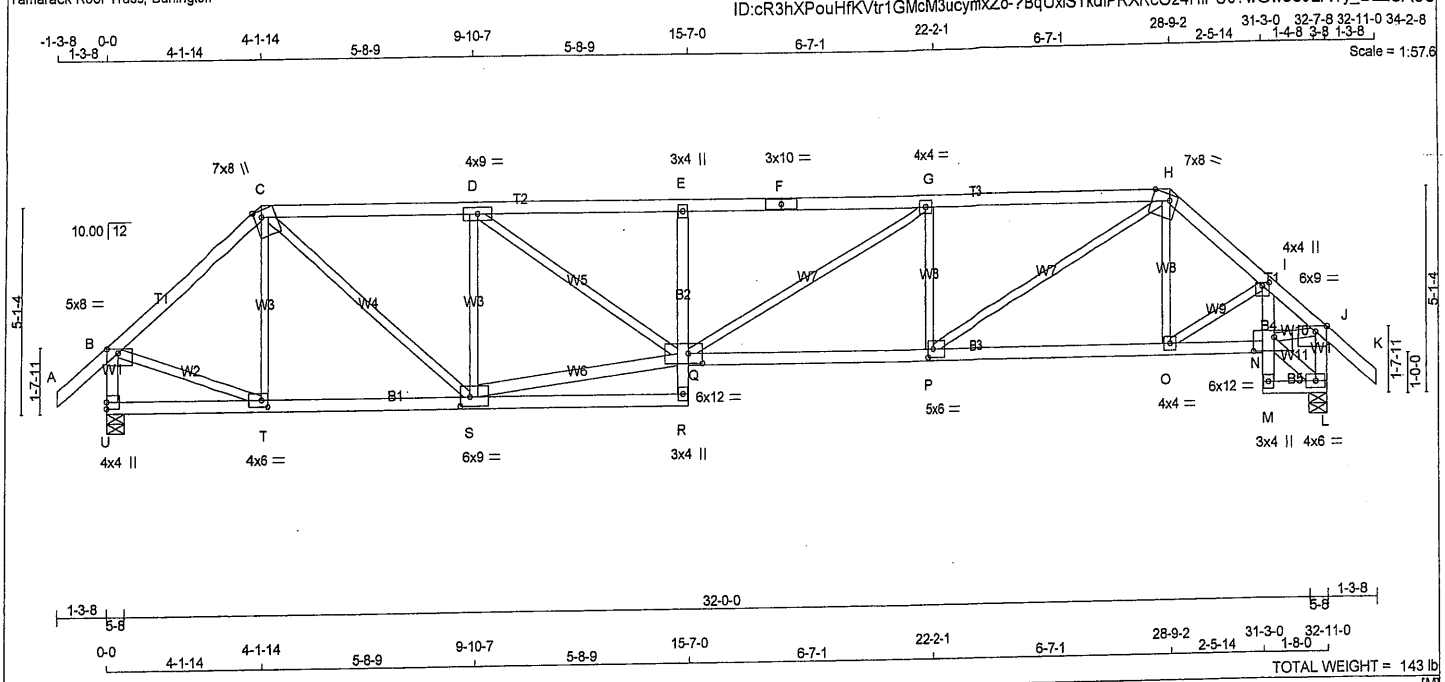

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - F	2x4	DRY	2100F 1.8E	SPF
F - H	2x4	DRY	2100F 1.8E	SPF
H - K	2x4	DRY	No.2	SPF
U - B	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
U - R	2x4	DRY	No.2	SPF
R - E	2x4	DRY	No.2	SPF
Q - N	2x4	DRY	No.2	SPF
M - I	2x4	DRY	No.2	SPF
M - L	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
S - Q	2x4	DRY	No.2	SPF
N - L	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	1.25	3.50
C	TTWW+m	MT20	7.0	8.0	Edge	2.25
D	TMWW-t	MT20	4.0	9.0		
E	TMV+p	MT20	3.0	4.0		
F	TS-t	MT20	3.0	10.0		
G	TMWW-t	MT20	4.0	4.0		
H	TTWW-m	MT20	7.0	8.0	Edge	5.50
I	TMVW+p	MT20	4.0	4.0	1.00	2.00
J	TMVW-p	MT20	6.0	9.0	Edge	3.50
L	BMVW1-t	MT20	4.0	6.0		
M	BMV+p	MT20	3.0	4.0		
N	BVMWW-l	MT20	6.0	12.0	4.00	6.25
O	BMWW-t	MT20	4.0	4.0		
P	BMWW-t	MT20	5.0	6.0	2.50	1.75
Q	BVMWWW-l	MT20	6.0	12.0	3.00	4.50
R	BMV+p	MT20	3.0	4.0		
S	BMWWW-t	MT20	6.0	9.0	2.75	3.00
T	BMWW-t	MT20	4.0	6.0	2.00	2.25
U	BMV1+p	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
U	2464	0	2464	0	0	5-8	5-8
L	2470	0	2470	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	1947	1157 / 0	346 / 0	0 / 0	0 / 0	444 / 0	0 / 0
L	1951	1161 / 0	346 / 0	0 / 0	0 / 0	445 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.27 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)		10.00
B- C	-2313 / 0	-112.4	-112.4	0.46 (1)		4.05
C- D	-3381 / 0	-112.4	-112.4	0.44 (1)		4.24
D- E	-4989 / 0	-112.4	-112.4	0.54 (1)		3.53
E- F	-5026 / 0	-112.4	-112.4	0.83 (1)		3.27
F- G	-5026 / 0	-112.4	-112.4	0.83 (1)		3.27
G- H	-4551 / 0	-112.4	-112.4	0.78 (1)		3.45
H- I	-2891 / 0	-112.4	-112.4	0.24 (1)		3.91
I- J	-2969 / 0	-112.4	-112.4	0.24 (1)		3.83
J- K	0 / 50	-112.4	-112.4	0.15 (1)		10.00
U- B	-2419 / 0	0.0	0.0	0.26 (1)		5.50
L- J	-2392 / 0	0.0	0.0	0.25 (1)		5.52
U- T	0 / 0	-28.0	-28.0	0.15 (3)		10.00
T- S	0 / 1764	-28.0	-28.0	0.41 (2)		10.00
S- R	0 / 141	-28.0	-28.0	0.24 (3)		10.00
R- Q	0 / 111	0.0	0.0	0.20 (1)		10.00
Q- E	-633 / 0	0.0	0.0	0.23 (1)		7.81
Q- P	0 / 4551	-28.0	-28.0	0.88 (1)		10.00
P- O	0 / 2214	-28.0	-28.0	0.54 (2)		10.00
O- N	0 / 2311	-28.0	-28.0	0.49 (1)		10.00
M- N	0 / 37	0.0	0.0	0.12 (1)		10.00
N- I	-97 / 1	0.0	0.0	0.12 (1)		7.81
M- L	0 / 75	-28.0	-28.0	0.03 (2)		10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
T- C	-395 / 3	0.15 (1)
C- S	0 / 2123	0.48 (1)
S- D	-1780 / 0	0.68 (1)
S- Q	0 / 3320	0.53 (1)
D- Q	0 / 1913	0.43 (1)
Q- G	0 / 549	0.12 (1)
P- G	-1121 / 0	0.29 (1)
P- H	0 / 2686	0.60 (1)
O- H	0 / 210	0.05 (3)
O- I	-111 / 0	0.02 (1)
B- T	0 / 1854	0.42 (1)
N- L	-94 / 0	0.01 (1)
N- J	0 / 2256	0.51 (1)

LICENSED PROFESSIONAL ENGINEER
4/07
S. KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.33")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 708 (0.56")

CSI: TC=0.83/1.00 (E-G:1) , BC=0.88/1.00 (P-Q:1) , WB=0.68/1.00 (D-S:1) , SSI=0.35/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (P) (INPUT = 0.90)
JSI METAL= 0.66 (Q) (INPUT = 1.00)

DWG NO. TAM / 8553-18
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286843	T3	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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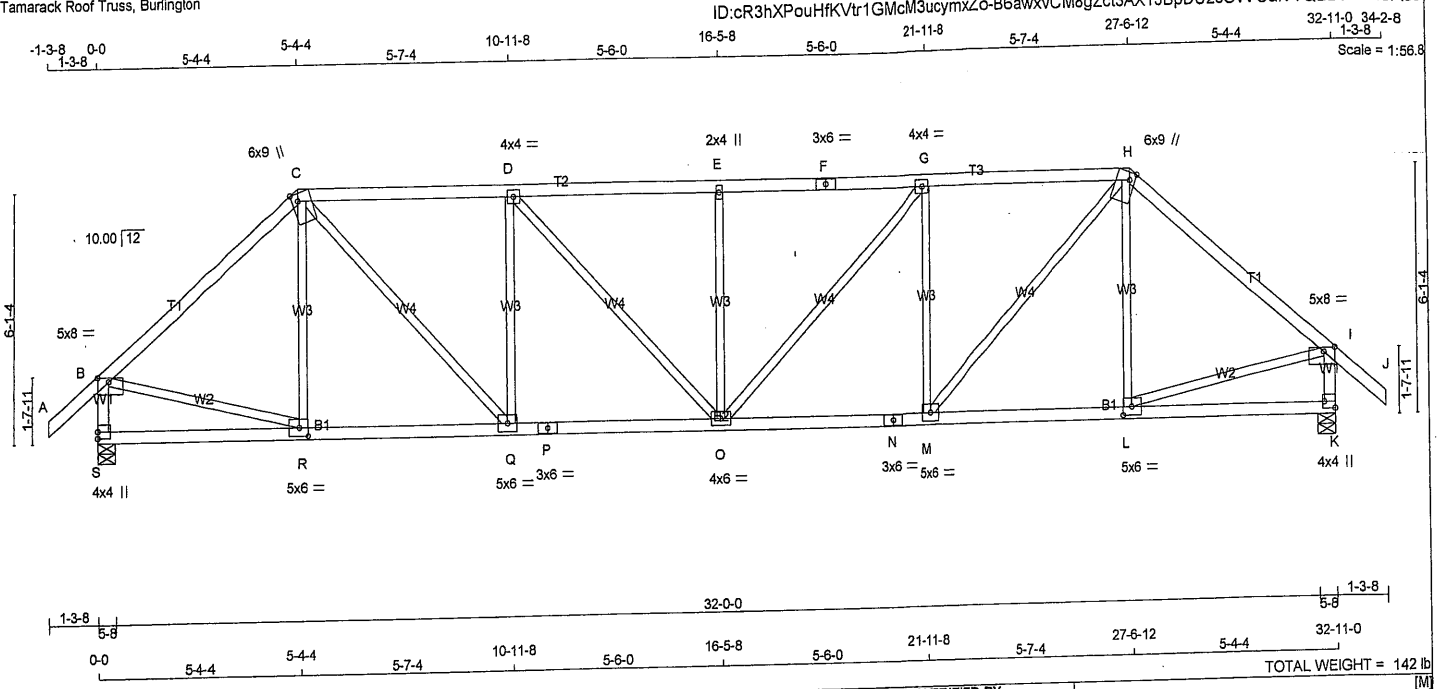

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in Inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	1.25	3.50
C	TTWW+m	MT20	6.0	9.0	Edge	1.75
D	TMWW-t	MT20	4.0	4.0		
E	TMW+w	MT20	2.0	4.0		
F	TS-t	MT20	3.0	6.0		
G	TMWW-t	MT20	4.0	4.0		
H	TTWW+m	MT20	6.0	9.0	Edge	1.75
I	TMVW-p	MT20	5.0	8.0	1.25	3.50
K	BMV1+p	MT20	4.0	4.0	2.00	Edge
L	BMWW-t	MT20	5.0	6.0	2.50	2.75
M	BMWW-t	MT20	5.0	6.0		
N	BS-t	MT20	3.0	6.0		
O	BMWWW-t	MT20	4.0	6.0		
P	BS-t	MT20	3.0	6.0		
Q	BMWW-t	MT20	5.0	6.0		
R	BMWW-t	MT20	5.0	6.0	2.50	2.75
S	BMV1+p	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
S	2467	0	2467	0	0	5-8	5-8
K	2467	0	2467	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	1949	1159 / 0	346 / 0	0 / 0	0 / 0	445 / 0	0 / 0
K	1949	1159 / 0	346 / 0	0 / 0	0 / 0	445 / 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 = 3.06 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00
B- C	-2362 / 0	-112.4	-112.4	0.82 (1)	3.58
C- D	-2978 / 0	-112.4	-112.4	0.75 (1)	3.28
D- E	-3320 / 0	-112.4	-112.4	0.79 (1)	3.06
E- F	-3320 / 0	-112.4	-112.4	0.79 (1)	3.06
F- G	-3320 / 0	-112.4	-112.4	0.79 (1)	3.06
G- H	-2978 / 0	-112.4	-112.4	0.75 (1)	3.28
H- I	-2362 / 0	-112.4	-112.4	0.82 (1)	3.58
I- J	0 / 50	-112.4	-112.4	0.15 (1)	10.00
S- B	-2406 / 0	0.0	0.0	0.26 (1)	5.52
K- I	-2406 / 0	0.0	0.0	0.26 (1)	5.52
S- R	0 / 0	-28.0	-28.0	0.22 (3)	10.00
R- Q	0 / 1806	-28.0	-28.0	0.41 (2)	10.00
Q- P	0 / 2978	-28.0	-28.0	0.55 (1)	10.00
P- O	0 / 2978	-28.0	-28.0	0.55 (1)	10.00
O- N	0 / 2978	-28.0	-28.0	0.55 (1)	10.00
N- M	0 / 2978	-28.0	-28.0	0.55 (1)	10.00
M- L	0 / 1806	-28.0	-28.0	0.41 (2)	10.00
L- K	0 / 0	-28.0	-28.0	0.22 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
R- C	-258 / 103	0.15 (1)
C- Q	0 / 1685	0.38 (1)
Q- D	-1062 / 0	0.62 (1)
D- O	0 / 498	0.11 (1)
O- E	-569 / 0	0.33 (1)
O- G	0 / 498	0.11 (1)
M- G	-1062 / 0	0.62 (1)
M- H	0 / 1685	0.38 (1)
L- H	-258 / 103	0.15 (1)
B- R	0 / 1862	0.42 (1)
L- I	0 / 1862	0.42 (1)

LICENSED PROFESSIONAL ENGINEER
S KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.18")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.30")

CSI: TC=0.82/1.00 (B-C:1) , BC=0.55/1.00 (O-Q:1) , WB=0.62/1.00 (G-M:1) , SSI=0.30/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (F) (INPUT = 0.90)
JSI METAL= 0.75 (N) (INPUT = 1.00)

DWG NO. TAM 185B2-08
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T3S	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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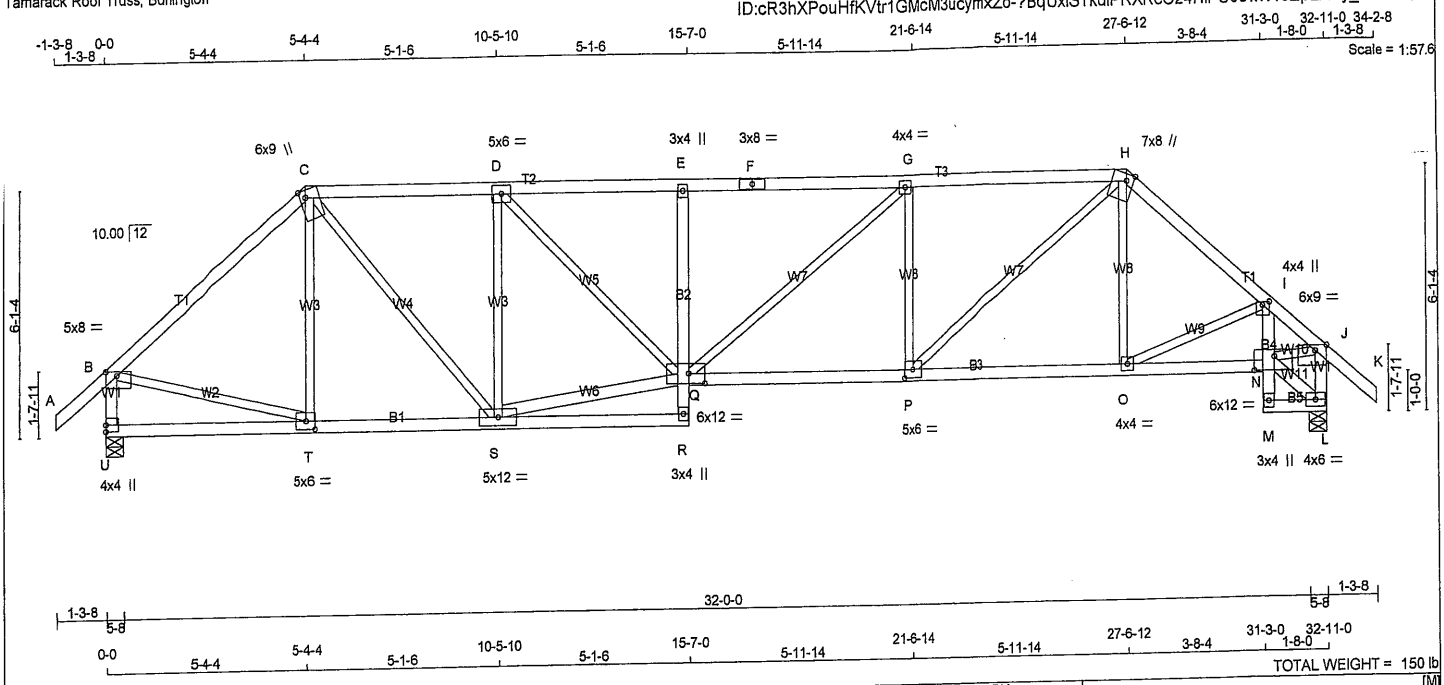

TOTAL WEIGHT = 150 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - F	2x4	DRY	2100F 1.8E	SPF
F - H	2x4	DRY	2100F 1.8E	SPF
H - K	2x4	DRY	No.2	SPF
U - B	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
U - R	2x4	DRY	No.2	SPF
R - E	2x4	DRY	No.2	SPF
Q - N	2x4	DRY	No.2	SPF
M - I	2x4	DRY	No.2	SPF
M - L	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				
S - Q	2x4	DRY	No.2	SPF
N - L	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	1.25	3.50
C	TTWW+m	MT20	6.0	9.0	Edge	1.75
D	TMWW-t	MT20	5.0	6.0		
E	TMV+p	MT20	3.0	4.0		
F	TS-t	MT20	3.0	8.0		
G	TMWW-t	MT20	4.0	4.0		
H	TTWW+m	MT20	7.0	8.0	Edge	2.25
I	TMVW+p	MT20	4.0	4.0	1.00	2.00
J	TMVW-p	MT20	6.0	9.0	Edge	3.50
L	BMVW1-t	MT20	4.0	6.0		
M	BMV+p	MT20	3.0	4.0		
N	BVMWW-l	MT20	6.0	12.0	4.00	6.25
O	BMWW-t	MT20	4.0	4.0		
P	BMWW-t	MT20	5.0	6.0	2.50	2.75
Q	BVMWWW-l	MT20	6.0	12.0	3.00	5.00
R	BMV+p	MT20	3.0	4.0		
S	BMWWW-t	MT20	5.0	12.0		
T	BMWW-t	MT20	5.0	6.0	2.50	2.75
U	BMV1+p	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
U	2464	0	2464	0	0	5-8	5-8
L	2470	0	2470	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	1947	1157 / 0	346 / 0	0 / 0	0 / 0	444 / 0	0 / 0
L	1951	1161 / 0	346 / 0	0 / 0	0 / 0	445 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.59 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)		10.00
B- C	-2356 / 0	-112.4	-112.4	0.82 (1)		3.59
C- D	-2877 / 0	-112.4	-112.4	0.32 (1)		4.65
D- E	-3954 / 0	-112.4	-112.4	0.37 (1)		4.05
E- F	-3973 / 0	-112.4	-112.4	0.57 (1)		3.83
F- G	-3973 / 0	-112.4	-112.4	0.57 (1)		3.83
G- H	-3679 / 0	-112.4	-112.4	0.55 (1)		3.97
H- I	-2832 / 0	-112.4	-112.4	0.37 (1)		3.83
I- J	-3014 / 0	-112.4	-112.4	0.24 (1)		3.81
J- K	0 / 50	-112.4	-112.4	0.15 (1)		10.00
U- B	-2401 / 0	0.0	0.0	0.26 (1)		5.52
L- J	-2391 / 0	0.0	0.0	0.25 (1)		5.53
U- T	0 / 0	-28.0	-28.0	0.19 (3)		10.00
T- S	0 / 1801	-28.0	-28.0	0.39 (1)		10.00
S- R	0 / 89	-28.0	-28.0	0.17 (3)		10.00
R- Q	0 / 101	0.0	0.0	0.13 (1)		10.00
Q- E	-572 / 0	0.0	0.0	0.21 (1)		7.81
Q- P	0 / 3679	-28.0	-28.0	0.71 (1)		10.00
P- O	0 / 2161	-28.0	-28.0	0.49 (2)		10.00
O- N	0 / 2374	-28.0	-28.0	0.47 (1)		10.00
M- N	0 / 37	0.0	0.0	0.12 (1)		10.00
N- I	-114 / 27	0.0	0.0	0.12 (1)		7.81
M- L	0 / 76	-28.0	-28.0	0.03 (2)		10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
T- C	-269 / 83	0.16 (1)
C- S	0 / 1639	0.37 (1)
S- D	-1645 / 0	0.96 (1)
S- Q	0 / 2863	0.46 (1)
D- Q	0 / 1471	0.33 (1)
Q- G	0 / 375	0.08 (1)
P- G	-1007 / 0	0.39 (1)
P- H	0 / 1932	0.43 (1)
O- H	0 / 243	0.06 (3)
O- I	-231 / 0	0.07 (1)
B- T	0 / 1857	0.42 (1)
N- L	-96 / 0	0.01 (1)
N- J	0 / 2320	0.52 (1)

LICENSED PROFESSIONAL ENGINEER
4/10/18
S. KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	6.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.23")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.39")

CSI: TC=0.82/1.00 (B-C:1) , BC=0.71/1.00 (P-Q:1) , WB=0.96/1.00 (D-S:1) , SSI=0.32/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (N) (INPUT = 0.90)
JSI METAL= 0.52 (J) (INPUT = 1.00)

DWG NO. TAM 18554-B
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T4	2	1	OBC2012_6TCDL TRUSS DESC.	

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Tamarack Roof Truss, Burlington

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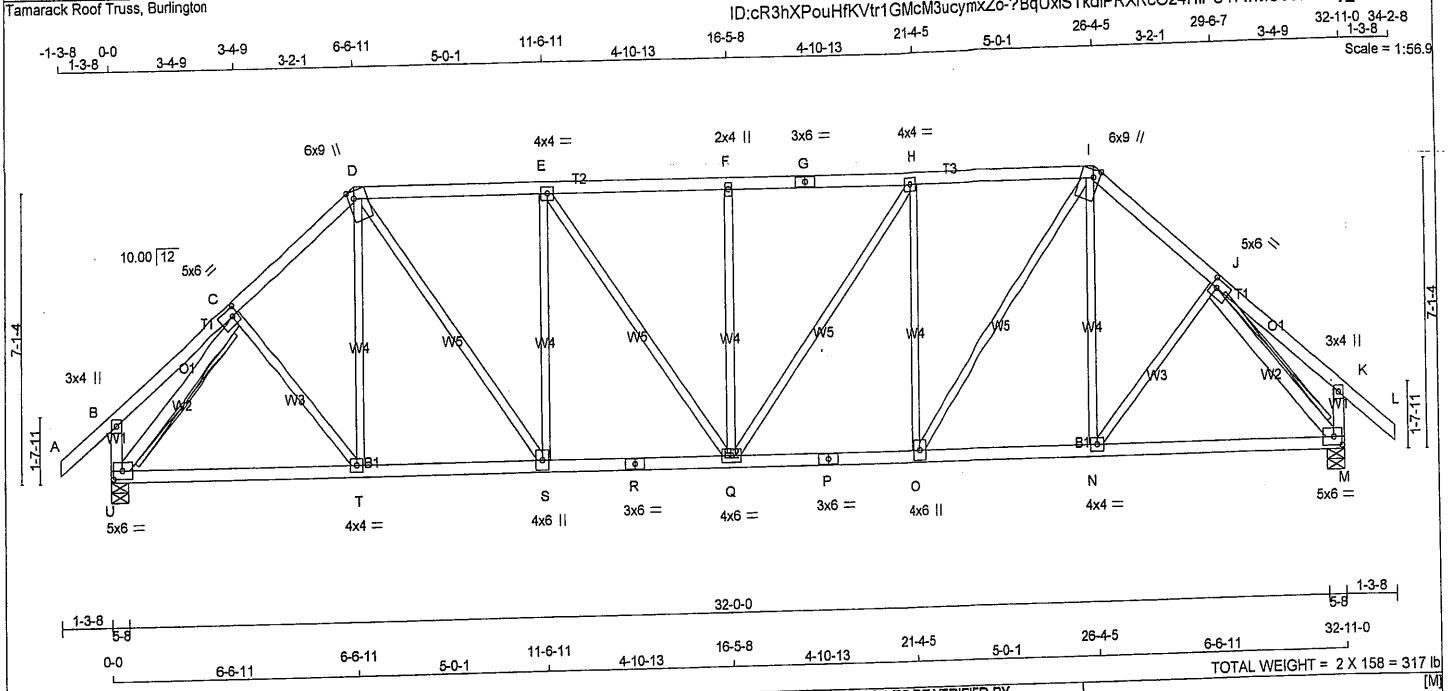

TOTAL WEIGHT = 2 X 158 = 317 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
G - I	2x4	DRY	No.2	SPF
I - L	2x4	DRY	No.2	SPF
U - B	2x4	DRY	No.2	SPF
M - K	2x4	DRY	No.2	SPF
U - R	2x4	DRY	No.2	SPF
R - P	2x4	DRY	No.2	SPF
P - M	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
U - C	2x4	DRY	No.2	SPF
J - M	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0	2.50	1.75
D	TTWW+m	MT20	6.0	9.0	Edge	1.75
E	TMWW-t	MT20	4.0	4.0		
F	TMW+w	MT20	2.0	4.0		
G	TS-t	MT20	3.0	6.0		
H	TMWW-t	MT20	4.0	4.0		
I	TTWW+m	MT20	6.0	9.0	Edge	1.75
J	TMWW-t	MT20	5.0	6.0	2.50	1.75
K	TMV+p	MT20	3.0	4.0		
M	BMVW1-t	MT20	5.0	6.0	2.50	2.75
N	BMWW-t	MT20	4.0	4.0		
O	BMWW+t	MT20	4.0	6.0		
P	BS-t	MT20	3.0	6.0		
Q	BMWWW-t	MT20	4.0	6.0		
R	BS-t	MT20	3.0	6.0		
S	BMWW+t	MT20	4.0	6.0		
T	BMWW-t	MT20	4.0	4.0		
U	BMVW1-t	MT20	5.0	6.0	2.50	2.75

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
U	2467	0	2467	0	0	5-8	5-8
M	2467	0	2467	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	1949	1159 / 0	346 / 0	0 / 0	0 / 0	445 / 0	0 / 0
M	1949	1159 / 0	346 / 0	0 / 0	0 / 0	445 / 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 = 3.57 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.

2x3 DRY SPF No.2 T-BRACE AT C-U, J-M

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00
B- C	0 / 25	-112.4	-112.4	0.18 (1)	10.00
C- D	-2380 / 0	-112.4	-112.4	0.26 (1)	4.22
D- E	-2591 / 0	-112.4	-112.4	0.54 (1)	3.74
E- F	-2824 / 0	-112.4	-112.4	0.56 (1)	3.57
F- G	-2824 / 0	-112.4	-112.4	0.56 (1)	3.57
G- H	-2824 / 0	-112.4	-112.4	0.56 (1)	3.57
H- I	-2591 / 0	-112.4	-112.4	0.54 (1)	3.74
I- J	-2380 / 0	-112.4	-112.4	0.26 (1)	4.22
J- K	0 / 25	-112.4	-112.4	0.18 (1)	10.00
K- L	0 / 50	-112.4	-112.4	0.15 (1)	10.00
U- B	-299 / 0	0.0	0.0	0.03 (1)	7.81
M- K	-299 / 0	0.0	0.0	0.03 (1)	7.81
U- T	0 / 1692	-28.0	-28.0	0.45 (2)	10.00
T- S	0 / 1805	-28.0	-28.0	0.47 (2)	10.00
S- R	0 / 2592	-28.0	-28.0	0.48 (1)	10.00
R- Q	0 / 2592	-28.0	-28.0	0.48 (1)	10.00
Q- P	0 / 2592	-28.0	-28.0	0.48 (1)	10.00
P- O	0 / 2592	-28.0	-28.0	0.48 (1)	10.00
O- N	0 / 1805	-28.0	-28.0	0.47 (2)	10.00
N- M	0 / 1692	-28.0	-28.0	0.45 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- T	0 / 200	0.05 (2)
T- D	0 / 205	0.05 (3)
D- S	0 / 1327	0.30 (1)
S- E	-948 / 0	0.83 (1)
E- Q	0 / 399	0.09 (1)
Q- F	-506 / 0	0.44 (1)
Q- H	0 / 399	0.09 (1)
O- H	-948 / 0	0.83 (1)
O- I	0 / 1327	0.30 (1)
N- I	0 / 205	0.05 (3)
N- J	0 / 200	0.05 (2)
U- C	-2690 / 0	0.74 (1)
J- M	-2690 / 0	0.74 (1)

LICENSED PROFESSIONAL ENGINEER
4106
S. KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.14")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.24")

CSI: TC=0.56/1.00 (E-F:1) , BC=0.48/1.00 (Q-S:1) , WB=0.83/1.00 (H-O:1) , SSI=0.26/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (U) (INPUT = 0.90)
JSI METAL= 0.74 (R) (INPUT = 1.00)

DWG NO. TAM / B555 - 18
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T5	6	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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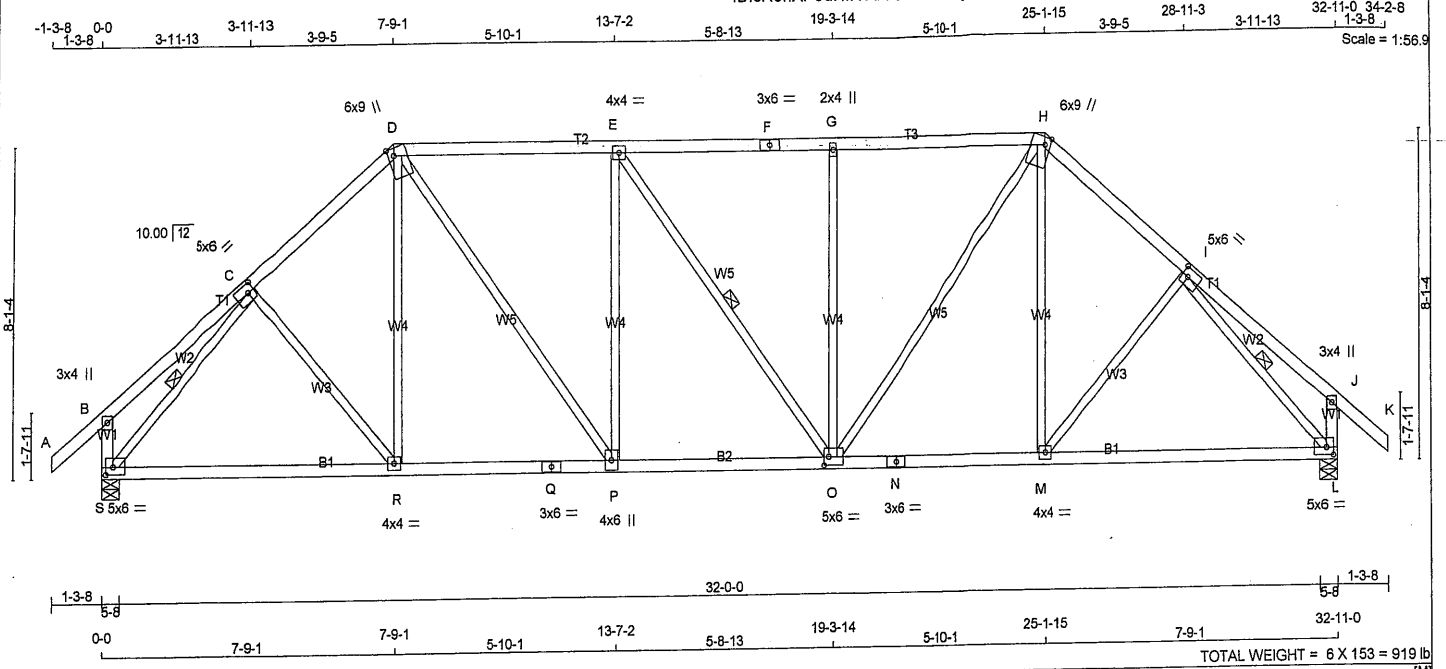

TOTAL WEIGHT = 6 X 153 = 919 lb

[M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0	2.50	2.00
D	TTWW+m	MT20	6.0	9.0	Edge	1.75
E	TMWW-t	MT20	4.0	4.0		
F	TS-t	MT20	3.0	6.0		
G	TMW+w	MT20	2.0	4.0		
H	TTWW+m	MT20	6.0	9.0	Edge	1.75
I	TMWW-t	MT20	5.0	6.0	2.50	2.00
J	TMV+p	MT20	3.0	4.0		
L	BMVW1-t	MT20	5.0	6.0	2.25	2.25
M	BMWW-t	MT20	4.0	4.0		
N	BS-t	MT20	3.0	6.0		
O	BMWWW-t	MT20	5.0	6.0	2.50	1.50
P	BMWW+t	MT20	4.0	6.0		
Q	BS-t	MT20	3.0	6.0		
R	BMWW-t	MT20	4.0	4.0		
S	BMVW1-t	MT20	5.0	6.0	2.25	2.25

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
S	2467	0	2467	0	0	5-8	5-8
L	2467	0	2467	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	1949	1159 / 0	346 / 0	0 / 0	0 / 0	445 / 0	0 / 0
L	1949	1159 / 0	346 / 0	0 / 0	0 / 0	445 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.65 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-O, C-S, 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

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00
B- C	0 / 31	-112.4	-112.4	0.26 (1)	10.00
C- D	-2350 / 0	-112.4	-112.4	0.36 (1)	4.14
D- E	-2415 / 0	-112.4	-112.4	0.69 (1)	3.65
E- F	-2413 / 0	-112.4	-112.4	0.69 (1)	3.65
F- G	-2413 / 0	-112.4	-112.4	0.69 (1)	3.65
G- H	-2413 / 0	-112.4	-112.4	0.68 (1)	3.67
H- I	-2350 / 0	-112.4	-112.4	0.36 (1)	4.14
I- J	0 / 31	-112.4	-112.4	0.26 (1)	10.00
J- K	0 / 50	-112.4	-112.4	0.15 (1)	10.00
S- B	-324 / 0	0.0	0.0	0.03 (1)	7.81
L- J	-324 / 0	0.0	0.0	0.03 (1)	7.81
S- R	0 / 1750	-28.0	-28.0	0.56 (2)	10.00
R- Q	0 / 1780	-28.0	-28.0	0.57 (2)	10.00
Q- P	0 / 1780	-28.0	-28.0	0.57 (2)	10.00
P- O	0 / 2415	-28.0	-28.0	0.47 (1)	10.00
O- N	0 / 1780	-28.0	-28.0	0.58 (2)	10.00
N- M	0 / 1780	-28.0	-28.0	0.58 (2)	10.00
M- L	0 / 1751	-28.0	-28.0	0.56 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- R	0 / 139	0.03 (3)
R- D	0 / 304	0.07 (3)
D- P	0 / 1059	0.24 (1)
P- E	-703 / 0	0.89 (1)
E- O	-3 / 0	0.00 (1)
O- G	-702 / 0	0.89 (1)
O- H	0 / 1056	0.24 (1)
M- H	0 / 304	0.07 (3)
M- I	0 / 139	0.03 (3)
S- C	-2697 / 0	0.68 (1)
I- L	-2697 / 0	0.68 (1)

LICENSED PROFESSIONAL ENGINEER
4107B
S. KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.17")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.28")

CSI: TC=0.69/1.00 (D-E:1) , BC=0.58/1.00 (M-O:2) , WB=0.89/1.00 (E-P:1) , SSI=0.31/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (L) (INPUT = 0.90)
JSI METAL= 0.66 (I) (INPUT = 1.00)

DWG NO. TAM 1055628
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286842	T6	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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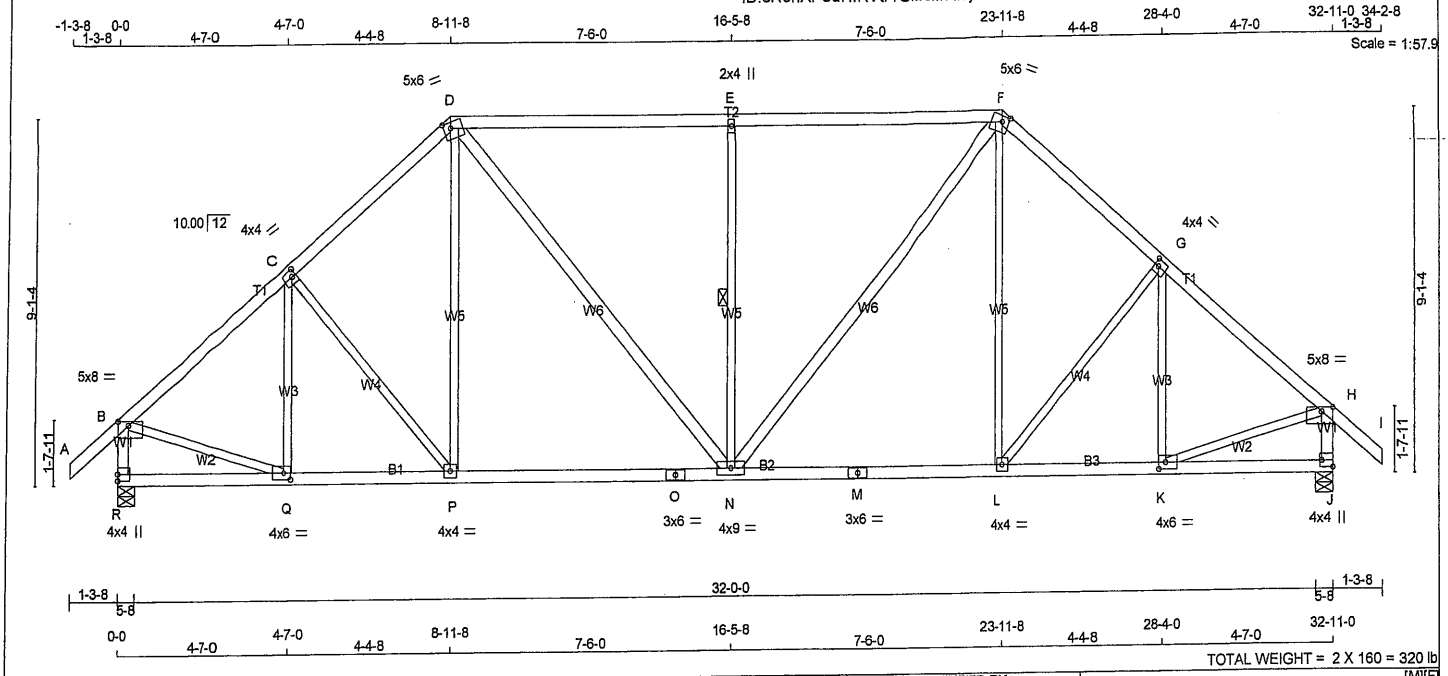

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	1.25	3.50
C	TMWW-t	MT20	4.0	4.0	2.00	1.25
D	TTWW-m	MT20	5.0	6.0	1.75	2.25
E	TMW+w	MT20	2.0	4.0		
F	TTWW-m	MT20	5.0	6.0	1.75	2.25
G	TMWW-t	MT20	4.0	4.0	2.00	1.25
H	TMVW-p	MT20	5.0	8.0	1.25	3.50
J	BMV1+p	MT20	4.0	4.0	2.00	Edge
K	BMWW-t	MT20	4.0	6.0	2.00	2.25
L	BMWW-t	MT20	4.0	4.0		
M	BS-t	MT20	3.0	6.0		
N	BMWWW-t	MT20	4.0	9.0		
O	BS-t	MT20	3.0	6.0		
P	BMWW-t	MT20	4.0	4.0		
Q	BMWW-t	MT20	4.0	6.0	2.00	2.25
R	BMV1+p	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
R	2467	0	2467	0	0	5-8	5-8
J	2467	0	2467	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	1949	1159 / 0	346 / 0	0 / 0	0 / 0	445 / 0	0 / 0
J	1949	1159 / 0	345 / 0	0 / 0	0 / 0	445 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.91 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.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00
B- C	-2354 / 0	-112.4	-112.4	0.37 (1)	4.14
C- D	-2286 / 0	-112.4	-112.4	0.36 (1)	4.20
D- E	-2262 / 0	-112.4	-112.4	0.96 (1)	2.91
E- F	-2261 / 0	-112.4	-112.4	0.96 (1)	2.91
F- G	-2286 / 0	-112.4	-112.4	0.36 (1)	4.20
G- H	-2354 / 0	-112.4	-112.4	0.37 (1)	4.14
H- I	0 / 50	-112.4	-112.4	0.15 (1)	10.00
R- B	-2409 / 0	0.0	0.0	0.26 (1)	5.51
J- H	-2409 / 0	0.0	0.0	0.26 (1)	5.51
R- Q	0 / 0	-28.0	-28.0	0.13 (3)	10.00
Q- P	0 / 1837	-28.0	-28.0	0.42 (1)	10.00
P- O	0 / 1726	-28.0	-28.0	0.53 (2)	10.00
O- N	0 / 1726	-28.0	-28.0	0.53 (2)	10.00
N- M	0 / 1726	-28.0	-28.0	0.53 (2)	10.00
M- L	0 / 1726	-28.0	-28.0	0.53 (2)	10.00
L- K	0 / 1837	-28.0	-28.0	0.42 (1)	10.00
K- J	0 / 0	-28.0	-28.0	0.13 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
Q- C	-403 / 0	0.18 (1)
C- P	-175 / 0	0.15 (1)
P- D	0 / 371	0.08 (2)
D- N	0 / 826	0.13 (1)
N- E	-1037 / 0	0.56 (1)
N- F	0 / 826	0.13 (1)
L- F	0 / 371	0.08 (2)
L- G	-175 / 0	0.15 (1)
K- G	-403 / 0	0.18 (1)
B- Q	0 / 1910	0.43 (1)
K- H	0 / 1910	0.43 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.12")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.21")

CSI: TC=0.96/1.00 (D-E:1) , BC=0.53/1.00 (N-P:2) , WB=0.56/1.00 (E-N:1) , SSI=0.41/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (Q) (INPUT = 0.90)
JSI METAL= 0.60 (M) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
41918
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 10557-18
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T7S	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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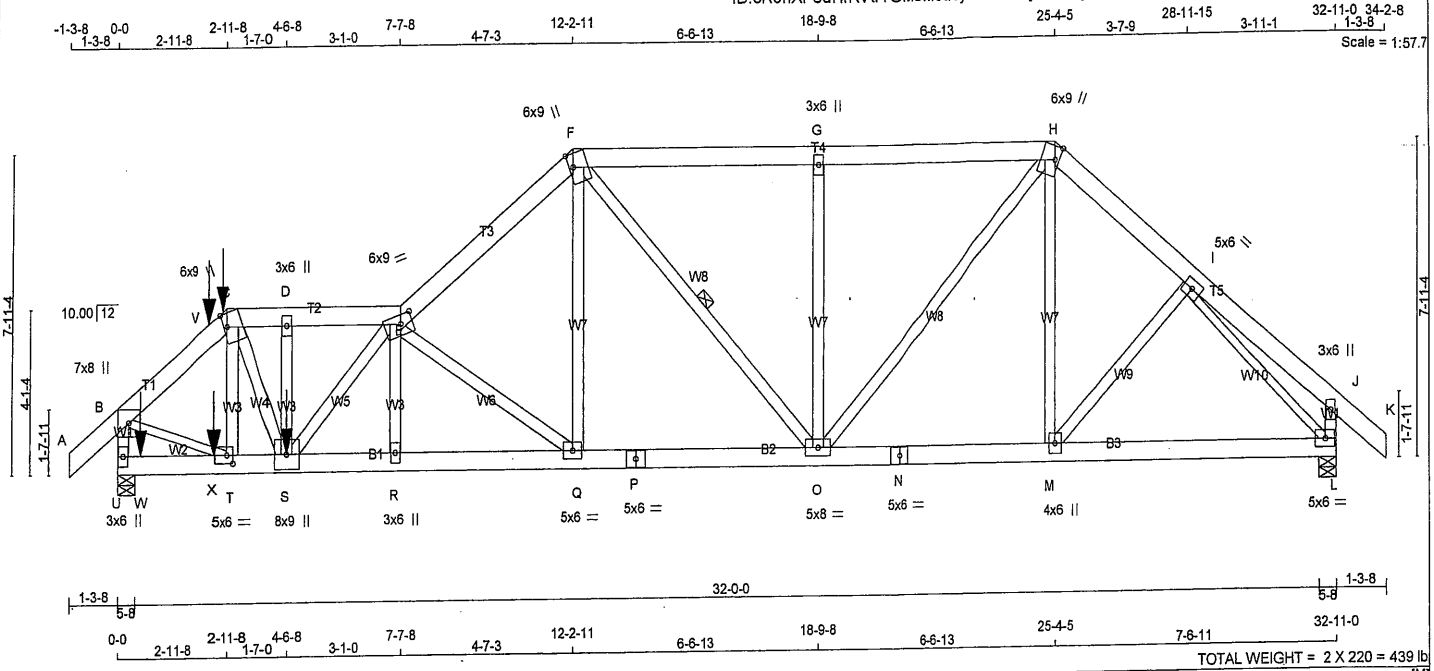

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	2	12	SIDE(122.0)
C- E	2	12	SIDE(61.0)
E- F	2	12	TOP
F- H	2	12	TOP
H- K	2	12	TOP
U- B	1	12	TOP
L- J	1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
U- P	2	12	SIDE(183.1)
P- N	2	12	TOP
N- L	2	12	TOP
WEBS : (0.122"X3") SPIRAL NAILS			
2x3	1	6	
2x4	1	6	
D- S	1	3	SIDE(557.2)

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	7.0	8.0		
C, F, H						
C	TTWW+m	MT20	6.0	9.0	4.00	1.25
D	TMW+w	MT20	3.0	6.0		
E	TTWWW-m	MT20	6.0	9.0	2.75	3.75
G	TMW+w	MT20	3.0	6.0		
I	TMWW-t	MT20	5.0	6.0		
J	TMV+p	MT20	3.0	6.0		
L	BMVW1-t	MT20	5.0	6.0		
M	BMWW+t	MT20	4.0	6.0		
N	BS-t	MT20	5.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
U	5375	0	5375	0	0	5-8	5-8
L	2903	0	2903	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	4221	2552 / 0	718 / 0	0 / 0	0 / 0	951 / 0	0 / 0
L	2288	1370 / 0	398 / 0	0 / 0	0 / 0	519 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.84 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF F-O.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 52	-112.4	-112.4	0.05 (1)	10.00
B- V	-5375 / 0	-112.4	-112.4	0.09 (1)	4.99
V- C	-5375 / 0	-112.4	-112.4	0.09 (1)	4.99
C- D	-5734 / 0	-112.4	-112.4	0.08 (1)	4.87
D- E	-5732 / 0	-112.4	-112.4	0.11 (1)	4.84
E- F	-4611 / 0	-112.4	-112.4	0.15 (1)	5.25
F- G	-3388 / 0	-112.4	-112.4	0.23 (1)	5.79
G- H	-3388 / 0	-112.4	-112.4	0.23 (1)	5.79
H- I	-2972 / 0	-112.4	-112.4	0.07 (1)	6.25
I- J	-4 / 15	-112.4	-112.4	0.06 (1)	10.00
J- K	0 / 52	-112.4	-112.4	0.05 (1)	10.00
U- B	-5329 / 0	0.0	0.0	0.30 (1)	5.20
L- J	-348 / 0	0.0	0.0	0.02 (1)	7.81
U- W	0 / 0	-28.0	-28.0	0.05 (1)	10.00
W- X	0 / 0	-28.0	-28.0	0.05 (1)	10.00
X- T	0 / 0	-28.0	-28.0	0.05 (1)	10.00
T- S	0 / 4094	-28.0	-28.0	0.36 (1)	10.00
S- R	0 / 6731	-28.0	-28.0	0.53 (1)	10.00
R- Q	0 / 6727	-28.0	-28.0	0.49 (1)	10.00
Q- P	0 / 3594	-28.0	-28.0	0.26 (1)	10.00
P- O	0 / 3594	-28.0	-28.0	0.26 (1)	10.00
O- N	0 / 2264	-28.0	-28.0	0.20 (2)	10.00
N- M	0 / 2264	-28.0	-28.0	0.20 (2)	10.00
M- L	0 / 2179	-28.0	-28.0	0.20 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
T- C	-1077 / 0	0.09 (1)
C- S	0 / 4072	0.36 (1)
S- D	0 / 111	0.01 (3)
S- E	-1541 / 0	0.19 (1)
R- E	0 / 183	0.02 (3)
E- Q	-4001 / 0	0.86 (1)
Q- F	0 / 2624	0.23 (1)
F- O	-311 / 0	0.08 (1)
O- G	-871 / 0	0.33 (1)
O- H	0 / 1700	0.15 (1)
M- H	0 / 276	0.03 (3)
M- I	0 / 175	0.02 (3)
B- T	0 / 4396	0.54 (1)
I- L	-3290 / 0	0.85 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	2-11-8	-33	-36	—	FRONT	VERT	DEAD
C	2-11-8	-206	-206	—	FRONT	VERT	SNOW
S	4-6-8	-2838	-2838	—	BACK	VERT	TOTAL
V	2-7-4	-172	-172	—	BACK	VERT	TOTAL
W	7-4	-45	-80	—	BACK	VERT	TOTAL
X	2-7-4	-40	-70	—	BACK	VERT	TOTAL

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.11")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.17")

CSI: TC=0.30/1.00 (B-U:1) , BC=0.53/1.00 (R-S:1) , WB=0.86/1.00 (E-Q:1) , SSI=0.15/1.00 (F-G:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (B) (INPUT = 0.90)
JSI METAL= 0.52 (E) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4178
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 1855 B-18
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286842	T7S	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
O	BMWWW-t	MT20	5.0	8.0		
P	BS-t	MT20	5.0	6.0		
Q	BMWW-t	MT20	5.0	6.0		
R	BMW+w	MT20	3.0	6.0		
S	BMWWW+t	MT20	8.0	9.0		
T	BMWW-t	MT20	5.0	6.0	2.50	2.00
U	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 238.0 lbs FACTORED DOWN AT 2-11-8, AND 171.8 lbs FACTORED DOWN AT 2-7-4 ON TOP CHORD, AND 79.6 lbs FACTORED DOWN AT 7-4, AND 69.9 lbs FACTORED DOWN AT 2-7-4, AND 2837.6 lbs FACTORED DOWN AT 4-6-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

LICENSED PROFESSIONAL ENGINEER
4198
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM/855B
STRUCTURAL
COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T8S	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Jan 6 2018 MiTek Industries, Inc. Tue Apr 10 09:57:07 2018 Page 1

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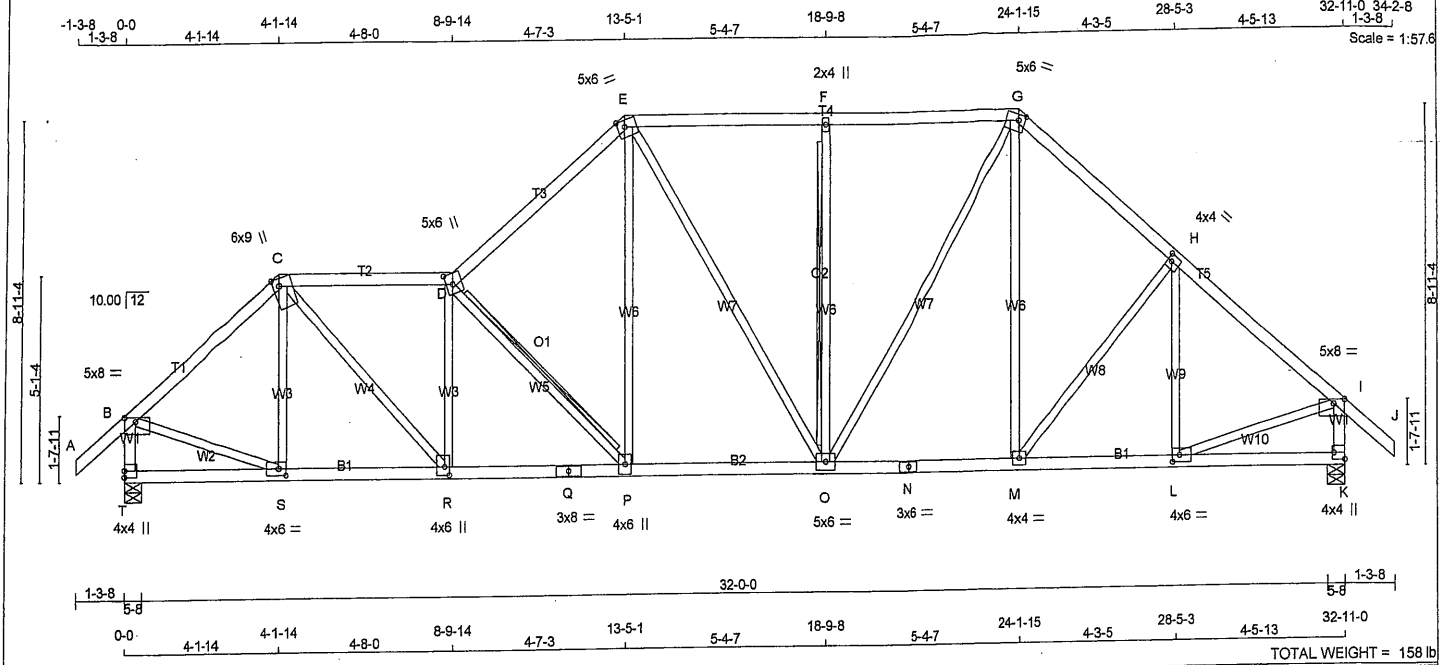

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
G - J	2x4	DRY	No.2	SPF
T - B	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
T - Q	2x4	DRY	No.2	SPF
Q - N	2x4	DRY	No.2	SPF
N - K	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	1.25	3.50
C	TTWW+m	MT20	6.0	9.0	Edge	1.75
D	TTWW+m	MT20	5.0	6.0	3.25	2.00
E	TTWW-m	MT20	5.0	6.0	2.00	2.25
F	TMW+w	MT20	2.0	4.0		
G	TTWW-m	MT20	5.0	6.0	1.75	2.00
H	TMWW-t	MT20	4.0	4.0	2.00	1.25
I	TMVW-p	MT20	5.0	8.0	1.25	3.50
K	BMV1+p	MT20	4.0	4.0	2.00	Edge
L	BMWW-t	MT20	4.0	6.0	2.00	2.25
M	BMWW-t	MT20	4.0	4.0		
N	BS-t	MT20	3.0	6.0		
O	BMWWW-t	MT20	5.0	6.0		
P	BMWW+t	MT20	4.0	6.0		
Q	BS-t	MT20	3.0	8.0		
R	BMWW+t	MT20	4.0	6.0	2.50	1.50
S	BMWW-t	MT20	4.0	6.0	2.00	2.25
T	BMV1+p	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
T	2467	0	2467	0	0	5-8	5-8
K	2467	0	2467	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
T	1949	1159 / 0	346 / 0	0 / 0	0 / 0	445 / 0	0 / 0
K	1949	1159 / 0	346 / 0	0 / 0	0 / 0	445 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.58 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.

2x3 DRY SPF No.2 T-BRACE AT D-P, F-O

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00
B- C	-2316 / 0	-112.4	-112.4	0.33 (1)	4.21
C- D	-3090 / 0	-112.4	-112.4	0.44 (1)	3.58
D- E	-2764 / 0	-112.4	-112.4	0.44 (1)	3.80
E- F	-2208 / 0	-112.4	-112.4	0.48 (1)	4.08
F- G	-2208 / 0	-112.4	-112.4	0.48 (1)	4.08
G- H	-2291 / 0	-112.4	-112.4	0.35 (1)	4.21
H- I	-2350 / 0	-112.4	-112.4	0.36 (1)	4.16
I- J	0 / 50	-112.4	-112.4	0.15 (1)	10.00
T- B	-2421 / 0	0.0	0.0	0.26 (1)	5.50
K- I	-2412 / 0	0.0	0.0	0.26 (1)	5.51
T- S	0 / 0	-28.0	-28.0	0.14 (3)	10.00
S- R	0 / 1766	-28.0	-28.0	0.36 (1)	10.00
R- Q	0 / 3118	-28.0	-28.0	0.57 (1)	10.00
Q- P	0 / 3118	-28.0	-28.0	0.57 (1)	10.00
P- O	0 / 2138	-28.0	-28.0	0.43 (1)	10.00
O- N	0 / 1730	-28.0	-28.0	0.37 (1)	10.00
N- M	0 / 1730	-28.0	-28.0	0.37 (1)	10.00
M- L	0 / 1833	-28.0	-28.0	0.37 (1)	10.00
L- K	0 / 0	-28.0	-28.0	0.13 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
S- C	-398 / 0	0.15 (1)
C- R	0 / 1920	0.43 (1)
R- D	-1279 / 0	0.49 (1)
D- P	-1419 / 0	0.94 (1)
P- E	0 / 1160	0.26 (1)
E- O	0 / 133	0.03 (1)
O- F	-730 / 0	0.95 (1)
O- G	0 / 905	0.20 (1)
M- G	0 / 307	0.07 (2)
M- H	-162 / 0	0.13 (1)
L- H	-405 / 0	0.17 (1)
B- S	0 / 1856	0.42 (1)
L- I	0 / 1909	0.43 (1)

LICENSED PROFESSIONAL ENGINEER
4196
S. KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.16")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.26")

CSI: TC=0.48/1.00 (E-F:1) , BC=0.57/1.00 (P-R:1) , WB=0.95/1.00 (F-O:1) , SSI=0.29/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (L) (INPUT = 0.90)
JSI METAL= 0.84 (Q) (INPUT = 1.00)

DWG NO. TAM 18559-18
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T9S	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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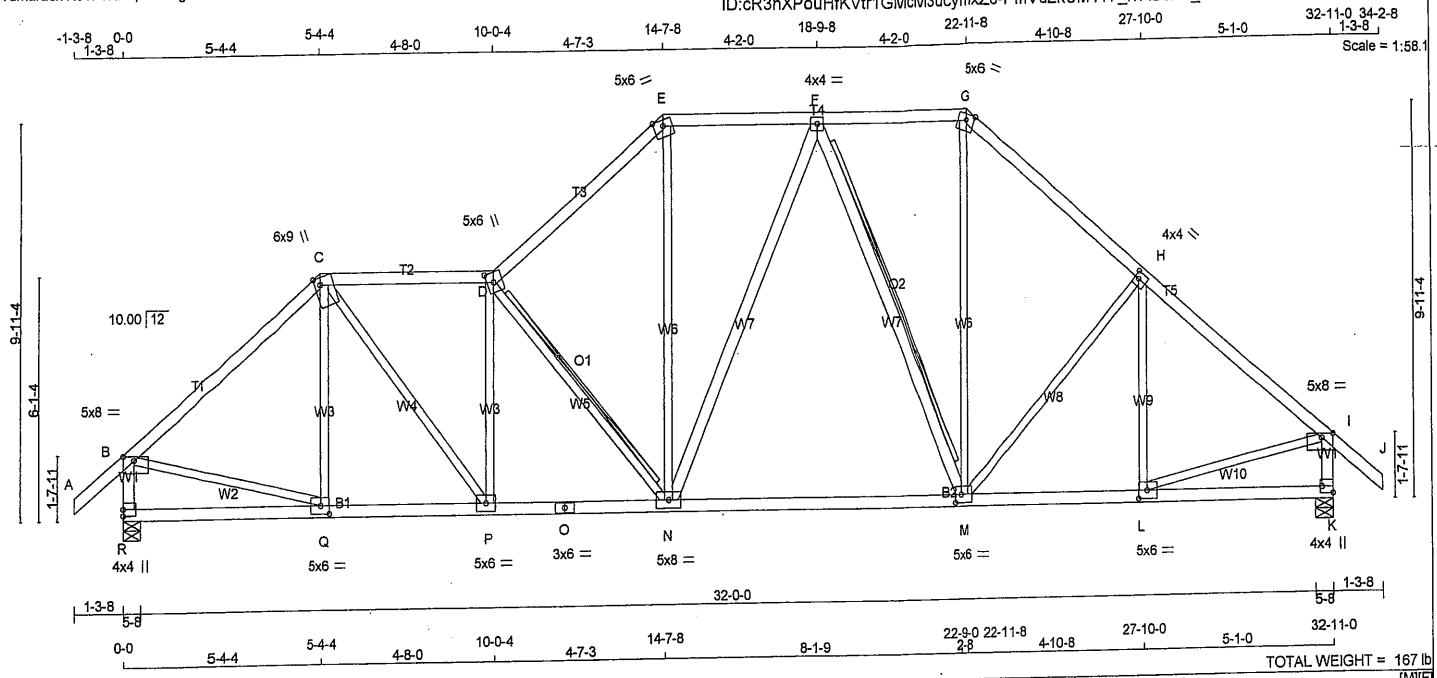

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	1.25	3.50
C	TTWW+m	MT20	6.0	9.0	Edge	1.75
D	TTWW+m	MT20	5.0	6.0	3.00	2.00
E	TTW-m	MT20	5.0	6.0	Edge	
F	TMWW-t	MT20	4.0	4.0		
G	TTW-m	MT20	5.0	6.0	Edge	
H	TMWW-t	MT20	4.0	4.0	2.00	1.25
I	TMVW-p	MT20	5.0	8.0	1.25	3.50
K	BMV1+p	MT20	4.0	4.0	2.00	Edge
L	BMWW-t	MT20	5.0	6.0	2.50	2.75
M	BMWWW-t	MT20	5.0	6.0	2.50	2.00
N	BMWWW-t	MT20	5.0	8.0		
O	BS-t	MT20	3.0	6.0		
P	BMWW-t	MT20	5.0	6.0		
Q	BMWW-t	MT20	5.0	6.0	2.50	2.75
R	BMV1+p	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
R	2467	0	2467	0	0	5-8	5-8
K	2467	0	2467	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	1949	1159 / 0	346 / 0	0 / 0	0 / 0	445 / 0	0 / 0
K	1949	1159 / 0	346 / 0	0 / 0	0 / 0	445 / 0	0 / 0

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

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

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

2x4 DRY SPF No.2 T-BRACE AT D-N, F-M

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)		10.00
B- C	-2362 / 0	-112.4	-112.4	0.54 (1)		3.94
C- D	-2761 / 0	-112.4	-112.4	0.41 (1)		3.80
D- E	-2542 / 0	-112.4	-112.4	0.42 (1)		3.96
E- F	-1965 / 0	-112.4	-112.4	0.28 (1)		4.55
F- G	-1688 / 0	-112.4	-112.4	0.26 (1)		4.85
G- H	-2232 / 0	-112.4	-112.4	0.44 (1)		4.15
H- I	-2379 / 0	-112.4	-112.4	0.47 (1)		4.02
I- J	0 / 50	-112.4	-112.4	0.15 (1)		10.00
R- B	-2406 / 0	0.0	0.0	0.26 (1)		5.52
K- I	-2404 / 0	0.0	0.0	0.26 (1)		5.52
R- Q	0 / 0	-28.0	-28.0	0.21 (3)		10.00
Q- P	0 / 1806	-28.0	-28.0	0.40 (1)		10.00
P- O	0 / 2781	-28.0	-28.0	0.62 (1)		10.00
O- N	0 / 2781	-28.0	-28.0	0.62 (1)		10.00
N- M	0 / 1944	-28.0	-28.0	0.52 (2)		10.00
M- L	0 / 1860	-28.0	-28.0	0.50 (2)		10.00
L- K	0 / 0	-28.0	-28.0	0.17 (3)		10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
Q- C	-259 / 95	0.15 (1)
C- P	0 / 1543	0.35 (1)
P- D	-1129 / 0	0.66 (1)
D- N	-1313 / 0	0.54 (1)
N- E	0 / 1176	0.26 (1)
M- G	0 / 1008	0.23 (1)
M- H	-273 / 0	0.30 (1)
L- H	-345 / 24	0.18 (1)
B- Q	0 / 1862	0.42 (1)
L- I	0 / 1920	0.43 (1)
N- F	0 / 130	0.02 (3)
F- M	-658 / 0	0.51 (1)

LICENSED PROFESSIONAL ENGINEER
4/97B
S. KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	6.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.18")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.31")

CSI: TC=0.54/1.00 (B-C:1) , BC=0.62/1.00 (N-P:1) , WB=0.66/1.00 (D-P:1) , SSI=0.22/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (L) (INPUT = 0.90)
JSI METAL= 0.75 (O) (INPUT = 1.00)

DWG NO. TAM/0560-18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T10	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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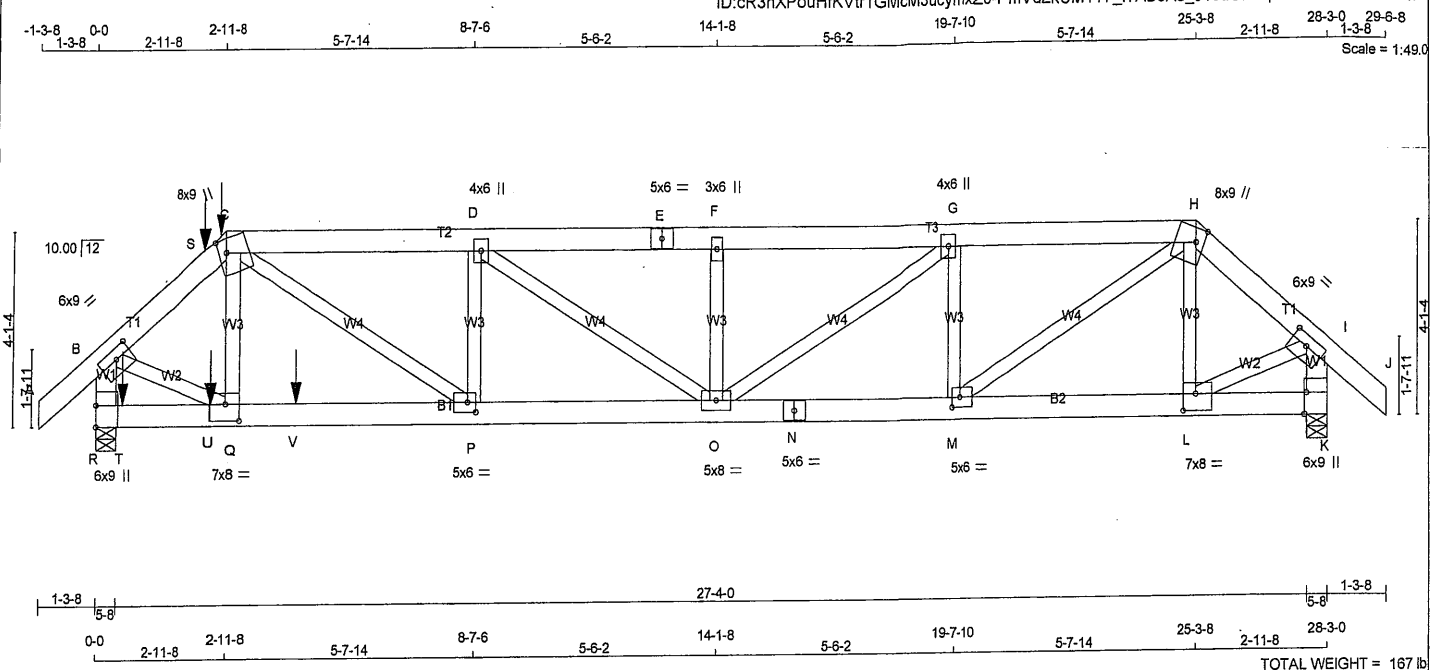

TOTAL WEIGHT = 167 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	No.2	SPF
C - E	2x6	DRY	No.2	SPF
E - H	2x6	DRY	No.2	SPF
H - J	2x6	DRY	No.2	SPF
R - B	2x6	DRY	No.2	SPF
K - I	2x6	DRY	No.2	SPF
R - N	2x6	DRY	1650F 1.5E	SPF
N - K	2x6	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	6.0	9.0	2.50	4.25
C	TTWW+m	MT20	8.0	9.0	3.50	2.25
D	TMWW+t	MT20	4.0	6.0		
E	TS-t	MT20	5.0	6.0		
F	TMW+w	MT20	3.0	6.0		
G	TMWW+t	MT20	4.0	6.0		
H	TTWW+m	MT20	8.0	9.0	3.50	2.25
I	TMVW-t	MT20	6.0	9.0	2.50	4.25
K	BMV1+t	MT20	6.0	9.0	Edge	0.50
L	BMWW-t	MT20	7.0	8.0	4.25	3.50
M	BMWW-t	MT20	5.0	6.0	2.50	2.25
N	BS-t	MT20	5.0	6.0		
O	BMWWW-t	MT20	5.0	8.0		
P	BMWW-t	MT20	5.0	6.0	2.50	2.25
Q	BMWW-t	MT20	7.0	8.0	4.25	3.50
R	BMV1+t	MT20	6.0	9.0	5.50	

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

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 238.0 lbs FACTORED DOWN AT 2-11-8, AND 171.8 lbs FACTORED DOWN AT 2-7-4 ON TOP CHORD, AND 79.6 lbs FACTORED DOWN AT 7-4, AND 69.9 lbs FACTORED DOWN AT 2-7-4, AND 1773.5 lbs FACTORED DOWN AT 4-6-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
R	4083	0	4083	0	0	5-8	5-8
K	2476	0	2476	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	3189	1956 / 0	522 / 0	0 / 0	0 / 0	710 / 0	0 / 0
K	1945	1175 / 0	332 / 0	0 / 0	0 / 0	438 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.46 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.

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 52	-112.4	-112.4	0.09 (1)	10.00
B- S	-4258 / 0	-112.4	-112.4	0.21 (1)	4.00
S- C	-4258 / 0	-112.4	-112.4	0.21 (1)	4.00
C- D	-5218 / 0	-112.4	-112.4	0.44 (1)	3.46
D- E	-5144 / 0	-112.4	-112.4	0.41 (1)	3.52
E- F	-5144 / 0	-112.4	-112.4	0.41 (1)	3.52
F- G	-5144 / 0	-112.4	-112.4	0.43 (1)	3.50
G- H	-4129 / 0	-112.4	-112.4	0.36 (1)	3.92
H- I	-2318 / 0	-112.4	-112.4	0.12 (1)	5.26
I- J	0 / 52	-112.4	-112.4	0.09 (1)	10.00
R- B	-4302 / 0	0.0	0.0	0.31 (1)	5.14
K- I	-2460 / 0	0.0	0.0	0.18 (1)	6.55
R- T	0 / 0	-28.0	-28.0	0.48 (1)	10.00
T- U	0 / 0	-28.0	-28.0	0.48 (1)	10.00
U- Q	0 / 0	-28.0	-28.0	0.48 (1)	10.00
Q- V	0 / 3313	-28.0	-28.0	0.87 (1)	10.00
V- P	0 / 3313	-28.0	-28.0	0.87 (1)	10.00
P- O	0 / 5219	-28.0	-28.0	0.62 (1)	10.00
O- N	0 / 4129	-28.0	-28.0	0.42 (1)	10.00
N- M	0 / 4129	-28.0	-28.0	0.42 (1)	10.00
M- L	0 / 1751	-28.0	-28.0	0.19 (1)	10.00
L- K	0 / 0	-28.0	-28.0	0.06 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
Q- C	0 / 704	0.12 (1)
C- P	0 / 2261	0.40 (1)
P- D	-615 / 0	0.11 (1)
D- O	-89 / 41	0.05 (1)
O- F	-578 / 0	0.10 (1)
O- G	0 / 1217	0.22 (1)
M- G	-1351 / 0	0.23 (1)
M- H	0 / 2821	0.50 (1)
L- H	-477 / 0	0.08 (1)
B- Q	0 / 3490	0.62 (1)
L- I	0 / 1881	0.33 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	2-11-8	-33	-36	—	FRONT	VERT	DEAD
C	2-11-8	-206	-206	—	FRONT	VERT	SNOW
S	2-7-4	-172	-172	—	FRONT	VERT	TOTAL
T	7-4	-45	-80	—	FRONT	VERT	TOTAL
U	2-7-4	-40	-70	—	FRONT	VERT	TOTAL
V	4-6-8	-1774	-1774	—	FRONT	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
4/97B
S. KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.94")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.19")
ALLOWABLE DEFL.(TL)= L/360 (0.94")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.31")

CSI: TC=0.44/1.00 (C-D:1) , BC=0.87/1.00 (P-Q:1) , WB=0.62/1.00 (B-Q:1) , SSI=0.99/1.00 (P-Q:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (P) (INPUT = 0.90)
JSI METAL= 0.81 (N) (INPUT = 1.00)

DWG NO. TAM/B561-08
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286842	T11	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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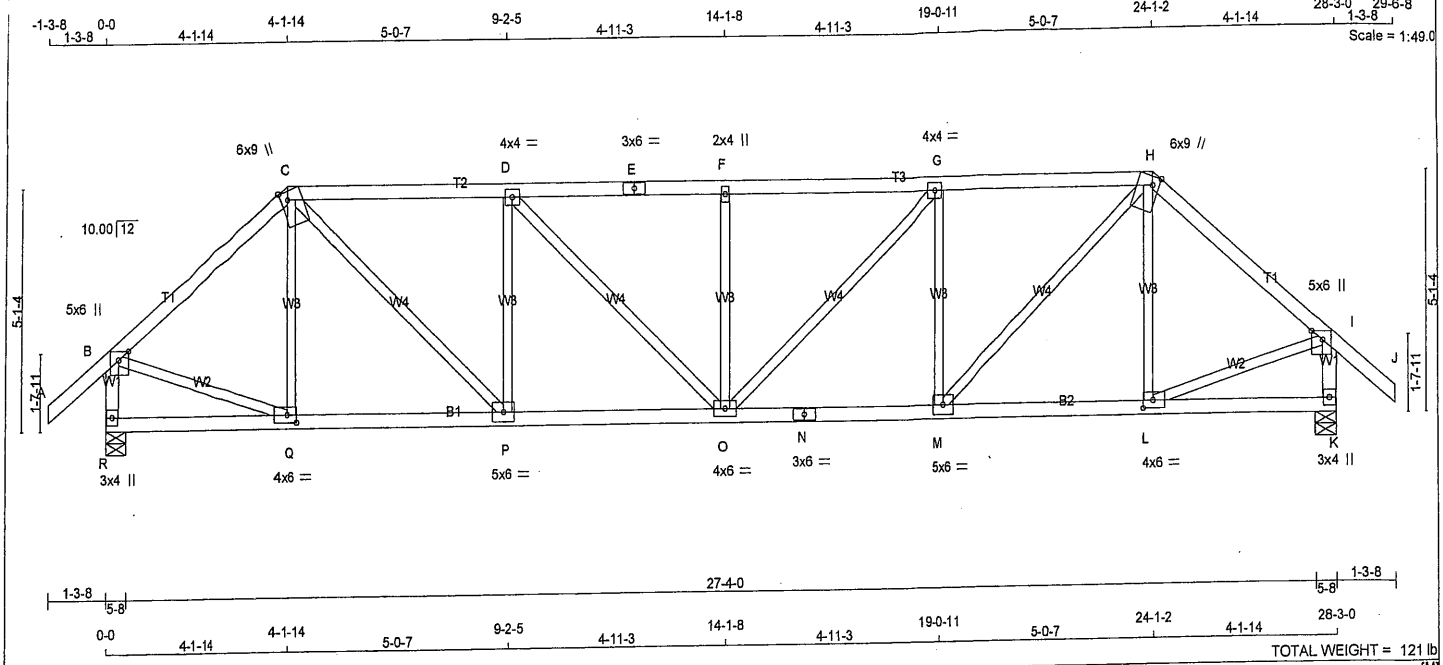

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	2.75
C	TTWW+m	MT20	6.0	9.0	Edge	1.75
D	TMWW-t	MT20	4.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMW+w	MT20	2.0	4.0		
G	TMWW-t	MT20	4.0	4.0		
H	TTWW+m	MT20	6.0	9.0	Edge	1.75
I	TMVW+p	MT20	5.0	6.0	Edge	2.75
K	BMV1+p	MT20	3.0	4.0		
L	BMWW-t	MT20	4.0	6.0	2.00	2.75
M	BMWW-t	MT20	5.0	6.0		
N	BS-t	MT20	3.0	6.0		
O	BMWWW-t	MT20	4.0	6.0		
P	BMWW-t	MT20	5.0	6.0		
Q	BMWW-t	MT20	4.0	6.0	2.00	2.75
R	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
R	2139	0	2139	0	0	5-8	5-8
K	2139	0	2139	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	1688	1007 / 0	297 / 0	0 / 0	0 / 0	384 / 0	0 / 0
K	1688	1007 / 0	297 / 0	0 / 0	0 / 0	384 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00
B- C	-1943 / 0	-112.4	-112.4	0.43 (1)	4.38
C- D	-2624 / 0	-112.4	-112.4	0.55 (1)	3.71
D- E	-2956 / 0	-112.4	-112.4	0.58 (1)	3.49
E- F	-2956 / 0	-112.4	-112.4	0.58 (1)	3.49
F- G	-2956 / 0	-112.4	-112.4	0.58 (1)	3.49
G- H	-2624 / 0	-112.4	-112.4	0.55 (1)	3.71
H- I	-1943 / 0	-112.4	-112.4	0.43 (1)	4.38
I- J	0 / 50	-112.4	-112.4	0.15 (1)	10.00
R- B	-2094 / 0	0.0	0.0	0.22 (1)	5.85
K- I	-2094 / 0	0.0	0.0	0.22 (1)	5.85
R- Q	0 / 0	-28.0	-28.0	0.15 (3)	10.00
Q- P	0 / 1482	-28.0	-28.0	0.32 (1)	10.00
P- O	0 / 2625	-28.0	-28.0	0.48 (1)	10.00
O- N	0 / 2625	-28.0	-28.0	0.48 (1)	10.00
N- M	0 / 2625	-28.0	-28.0	0.48 (1)	10.00
M- L	0 / 1482	-28.0	-28.0	0.32 (1)	10.00
L- K	0 / 0	-28.0	-28.0	0.15 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
Q- C	-310 / 40	0.12 (1)
C- P	0 / 1577	0.35 (1)
P- D	-951 / 0	0.37 (1)
D- O	0 / 463	0.10 (1)
O- F	-510 / 0	0.20 (1)
O- G	0 / 463	0.10 (1)
M- G	-951 / 0	0.37 (1)
M- H	0 / 1577	0.35 (1)
L- H	-310 / 40	0.12 (1)
B- Q	0 / 1557	0.35 (1)
L- I	0 / 1557	0.35 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.94")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.14")
ALLOWABLE DEFL.(TL)= L/360 (0.94")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.23")

CSI: TC=0.58/1.00 (F-G:1) , BC=0.48/1.00 (O-P:1) , WB=0.37/1.00 (D-P:1) , SSI=0.27/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL= 0.73 (N) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4198
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 185620
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286842	T12	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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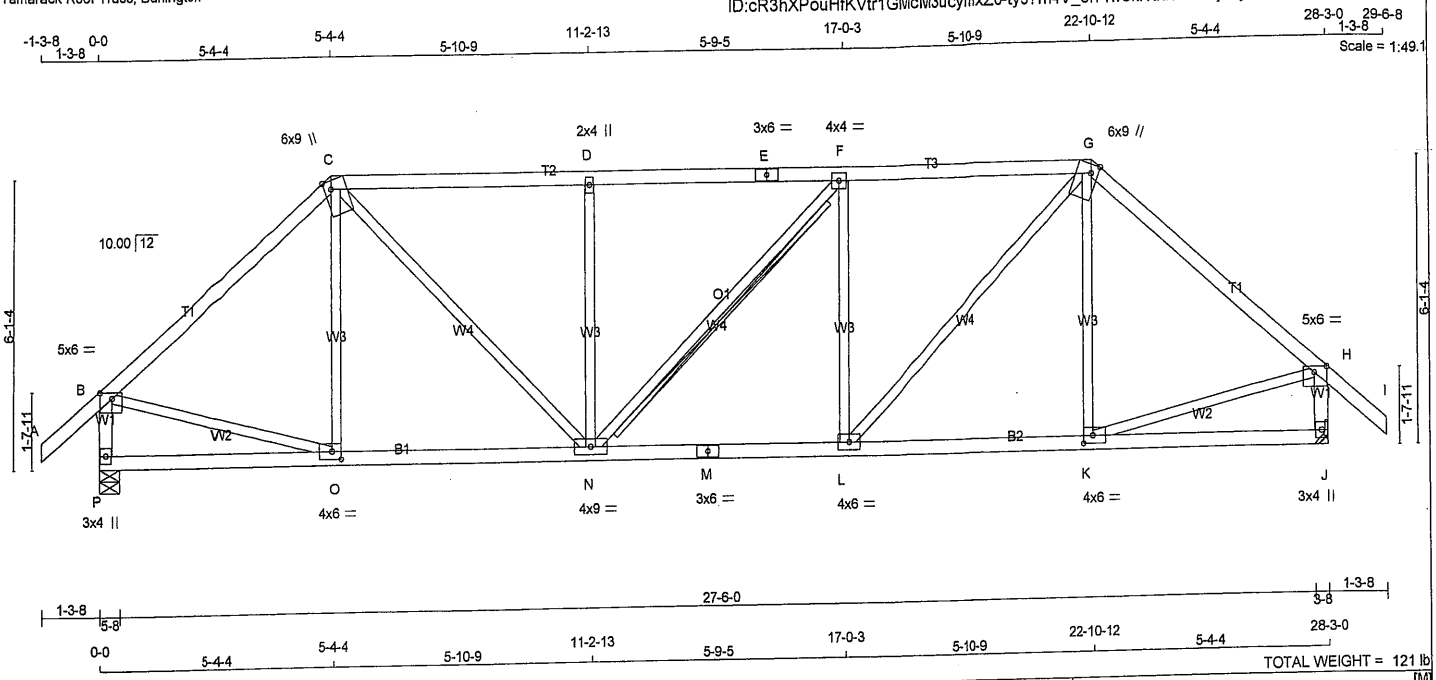

TOTAL WEIGHT = 121 lb
[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
G - 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 EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.50	3.25
C	TTWW+m	MT20	6.0	9.0	Edge	1.75
D	TMW+w	MT20	2.0	4.0		
E	TS-t	MT20	3.0	6.0		
F	TMWW-t	MT20	4.0	4.0		
G	TTWW+m	MT20	6.0	9.0	Edge	1.75
H	TMVW-p	MT20	5.0	6.0	1.50	3.25
J	BMV1+p	MT20	3.0	4.0		
K	BMWW-t	MT20	4.0	6.0	2.00	2.50
L	BMWW-t	MT20	4.0	6.0		
M	BS-t	MT20	3.0	6.0		
N	BMWWW-t	MT20	4.0	9.0		
O	BMWW-t	MT20	4.0	6.0	2.00	2.50
P	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
P	2139	0	2139	0	0	5-8	5-8
J	2139	0	2139	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

MAX./MIN. COMPONENT REACTIONS

JT	1ST LCASE COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	1688	1007 / 0	297 / 0	0 / 0	0 / 0	384 / 0	0 / 0
J	1688	1007 / 0	297 / 0	0 / 0	0 / 0	384 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.66 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

2x3 DRY SPF No.2 T-BRACE AT F-N

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00
B- C	-1966 / 0	-112.4	-112.4	0.75 (1)	3.93
C- D	-2383 / 0	-112.4	-112.4	0.69 (1)	3.67
D- E	-2383 / 0	-112.4	-112.4	0.69 (1)	3.66
E- F	-2383 / 0	-112.4	-112.4	0.69 (1)	3.66
F- G	-2384 / 0	-112.4	-112.4	0.70 (1)	3.66
G- H	-1966 / 0	-112.4	-112.4	0.75 (1)	3.93
H- I	0 / 50	-112.4	-112.4	0.15 (1)	10.00
P- B	-2079 / 0	0.0	0.0	0.22 (1)	5.87
J- H	-2079 / 0	0.0	0.0	0.22 (1)	5.87
P- O	0 / 0	-28.0	-28.0	0.23 (3)	10.00
O- N	0 / 1504	-28.0	-28.0	0.38 (2)	10.00
N- M	0 / 2385	-28.0	-28.0	0.47 (1)	10.00
M- L	0 / 2385	-28.0	-28.0	0.47 (1)	10.00
L- K	0 / 1504	-28.0	-28.0	0.38 (2)	10.00
K- J	0 / 0	-28.0	-28.0	0.23 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
O- C	-182 / 141	0.11 (1)
C- N	0 / 1234	0.28 (1)
N- D	-708 / 0	0.41 (1)
N- F	-2 / 0	0.00 (1)
L- F	-709 / 0	0.41 (1)
L- G	0 / 1226	0.28 (1)
K- G	-183 / 141	0.11 (1)
B- O	0 / 1550	0.35 (1)
K- H	0 / 1549	0.35 (1)

LICENSED PROFESSIONAL ENGINEER
4/918
S. KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	6.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.94")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.12")
ALLOWABLE DEFL.(TL)= L/360 (0.94")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.19")

CSI: TC=0.75/1.00 (B-C:1) , BC=0.47/1.00 (L-N:1) , WB=0.41/1.00 (F-L:1) , SSI=0.31/1.00 (F-G:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (H) (INPUT = 0.90)
JSI METAL= 0.71 (M) (INPUT = 1.00)

DWG NO. TAM/ 65638
STRUCTURAL
COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T13	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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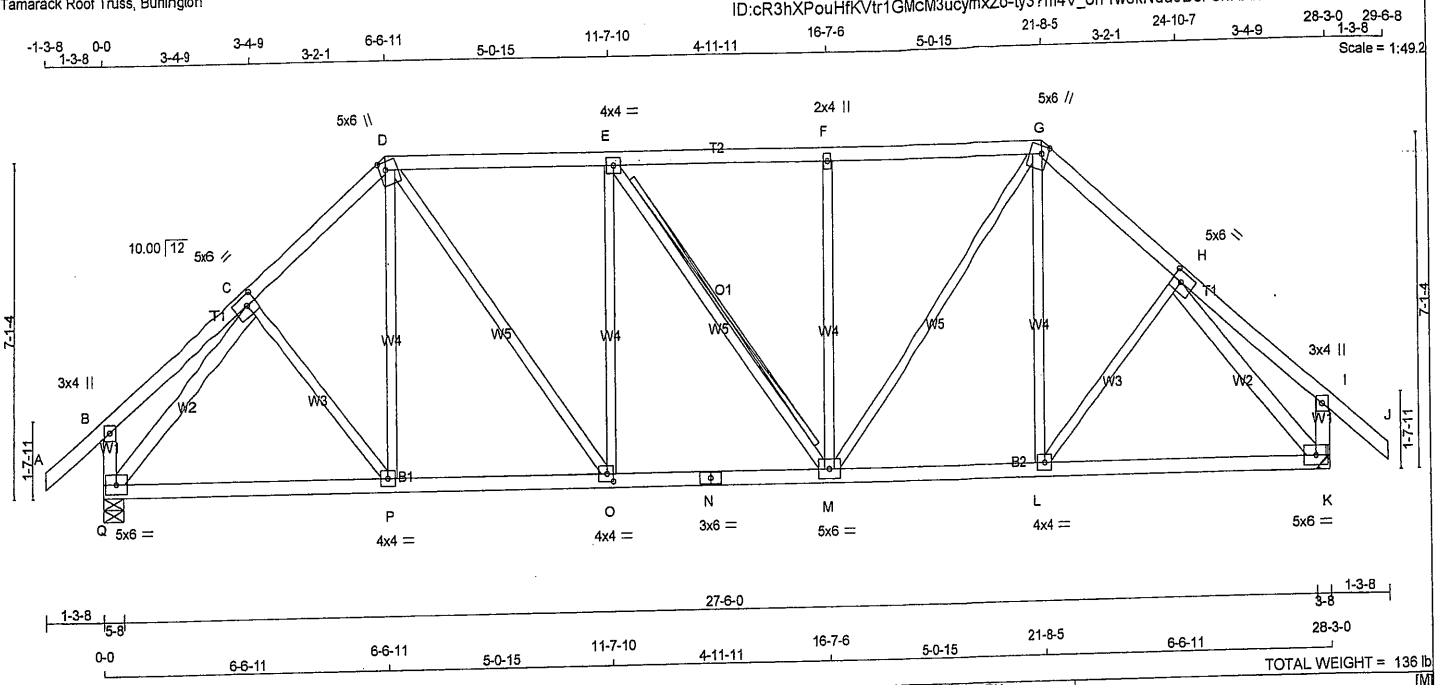

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - 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				
Q - C	2x4	DRY	No.2	SPF
H - K	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0	2.50	2.50
D	TTWW+m	MT20	5.0	6.0	2.00	1.75
E	TMWW-t	MT20	4.0	4.0		
F	TMW+w	MT20	2.0	4.0		
G	TTWW+m	MT20	5.0	6.0	2.00	1.75
H	TMWW-t	MT20	5.0	6.0	2.50	2.50
I	TMV+p	MT20	3.0	4.0		
K	BMVW1-t	MT20	5.0	6.0		
L	BMWW-t	MT20	4.0	4.0		
M	BMWWW-t	MT20	5.0	6.0		
N	BS-t	MT20	3.0	6.0		
O	BMWW-t	MT20	4.0	4.0	2.00	1.75
P	BMWW-t	MT20	4.0	4.0		
Q	BMVW1-t	MT20	5.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
Q	2139	0	2139	0	0	5-8	5-8
K	2139	0	2139	0	0	HANGER BY OTHERS	
						MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	1688	1007 / 0	297 / 0	0 / 0	0 / 0	384 / 0	0 / 0
K	1688	1007 / 0	297 / 0	0 / 0	0 / 0	384 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.21 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

2x3 DRY SPF No.2 T-BRACE AT E-M

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00
B- C	0 / 26	-112.4	-112.4	0.18 (1)	10.00
C- D	-1966 / 0	-112.4	-112.4	0.24 (1)	4.59
D- E	-2039 / 0	-112.4	-112.4	0.48 (1)	4.21
E- F	-2037 / 0	-112.4	-112.4	0.47 (1)	4.21
F- G	-2037 / 0	-112.4	-112.4	0.47 (1)	4.23
G- H	-1966 / 0	-112.4	-112.4	0.24 (1)	4.59
H- I	0 / 26	-112.4	-112.4	0.18 (1)	10.00
I- J	0 / 50	-112.4	-112.4	0.15 (1)	10.00
Q- B	-298 / 0	0.0	0.0	0.03 (1)	7.81
K- I	-298 / 0	0.0	0.0	0.03 (1)	7.81
Q- P	0 / 1428	-28.0	-28.0	0.42 (2)	10.00
P- O	0 / 1488	-28.0	-28.0	0.44 (2)	10.00
O- N	0 / 2039	-28.0	-28.0	0.39 (1)	10.00
N- M	0 / 2039	-28.0	-28.0	0.39 (1)	10.00
M- L	0 / 1488	-28.0	-28.0	0.44 (2)	10.00
L- K	0 / 1428	-28.0	-28.0	0.42 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- P	0 / 144	0.03 (3)
P- D	0 / 232	0.06 (3)
D- O	0 / 920	0.21 (1)
O- E	-610 / 0	0.53 (1)
E- M	-3 / 0	0.00 (1)
M- F	-608 / 0	0.53 (1)
M- G	0 / 916	0.21 (1)
L- G	0 / 232	0.06 (3)
L- H	0 / 144	0.03 (3)
Q- C	-2270 / 0	0.70 (1)
H- K	-2270 / 0	0.70 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.94")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.94")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.15")

CSI: TC=0.48/1.00 (D-E:1) , BC=0.44/1.00 (L-M:2) , WB=0.70/1.00 (H-K:1) , SSI=0.27/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

LICENSED PROFESSIONAL ENGINEER
41016
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM/8564-08
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T14	3	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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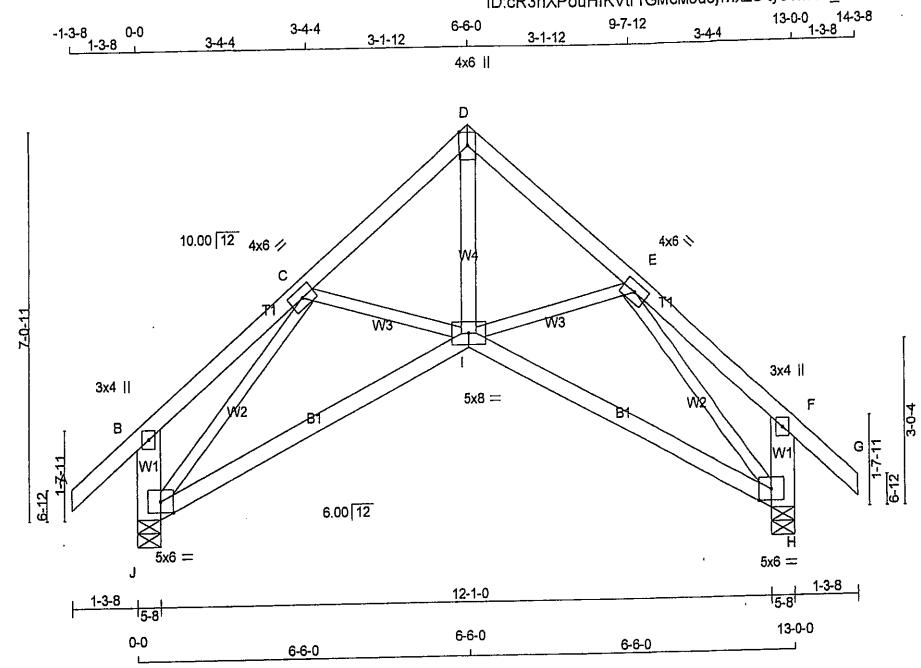

TOTAL WEIGHT = 3 X 62 = 186 lb
[M][F]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
J - B	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	2x3	DRY	No.2	SPF
EXCEPT				
I - D	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	6.0		
D	TTW+p	MT20	4.0	6.0	Edge	
E	TMWW-t	MT20	4.0	6.0		
F	TMV+p	MT20	3.0	4.0		
H	BVMW1-p	MT20	5.0	6.0	Edge	
I	BBWWW-p	MT20	5.0	8.0		
J	BVMW1-p	MT20	5.0	6.0	Edge	

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
J	1069	0	1069	0	0	5-8	5-8
H	1069	0	1069	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	834	512 / 0	136 / 0	0 / 0	0 / 0	186 / 0	0 / 0
H	834	512 / 0	136 / 0	0 / 0	0 / 0	186 / 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 = 5.94 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00
B- C	0 / 23	-112.4	-112.4	0.17 (1)	10.00
C- D	-1072 / 0	-112.4	-112.4	0.14 (1)	5.94
D- E	-1072 / 0	-112.4	-112.4	0.14 (1)	5.94
E- F	0 / 23	-112.4	-112.4	0.17 (1)	10.00
F- G	0 / 50	-112.4	-112.4	0.15 (1)	10.00
J- B	-302 / 0	0.0	0.0	0.02 (1)	7.81
H- F	-302 / 0	0.0	0.0	0.02 (1)	7.81
J- I	0 / 945	-28.0	-28.0	0.44 (2)	10.00
I- H	0 / 945	-28.0	-28.0	0.44 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
I- D	0 / 1051	0.17 (1)
I- E	-41 / 76	0.02 (3)
C- I	-41 / 76	0.02 (3)
J- C	-1386 / 0	0.57 (1)
E- H	-1386 / 0	0.57 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.43")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.14")
ALLOWABLE DEFL.(TL)= L/360 (0.43")
CALCULATED VERT. DEFL.(TL) = L/ 657 (0.24")

CSI: TC=0.17/1.00 (B-C:1) , BC=0.44/1.00 (H-I:2) , WB=0.57/1.00 (C-J:1) , SSI=0.13/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.82 (H) (INPUT = 0.90)
JSI METAL= 0.33 (C) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4178
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM / BS65-18
STRUCTURAL
COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T15	2	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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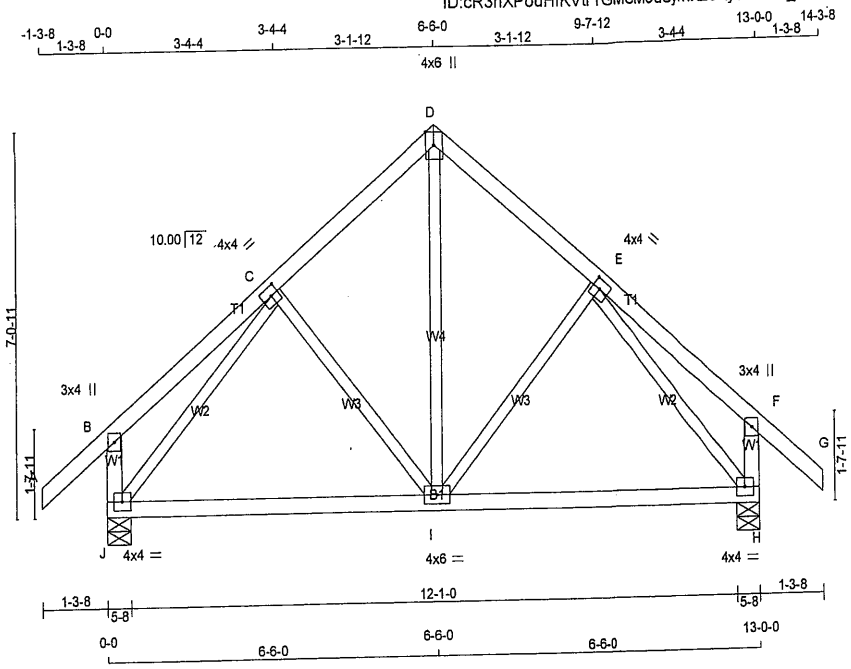

TOTAL WEIGHT = 2 X 62 = 124 lb
[M][F]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	4.0	2.00	1.75
D	TTW+p	MT20	4.0	6.0	Edge	
E	TMWW-t	MT20	4.0	4.0	2.00	1.75
F	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	4.0	4.0		
I	BMWWW-t	MT20	4.0	6.0		
J	BMVW1-t	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
J	1069	0	1069	0	0	5-8	5-8
H	1069	0	1069	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	834	512 / 0	137 / 0	0 / 0	0 / 0	186 / 0	0 / 0
H	834	512 / 0	137 / 0	0 / 0	0 / 0	186 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)		10.00
B- C	0 / 27	-112.4	-112.4	0.19 (1)		10.00
C- D	-628 / 0	-112.4	-112.4	0.15 (1)		6.25
D- E	-628 / 0	-112.4	-112.4	0.15 (1)		6.25
E- F	0 / 27	-112.4	-112.4	0.19 (1)		10.00
F- G	0 / 50	-112.4	-112.4	0.15 (1)		10.00
J- B	-295 / 0	0.0	0.0	0.03 (1)		7.81
H- F	-295 / 0	0.0	0.0	0.03 (1)		7.81
J- I	0 / 568	-28.0	-28.0	0.41 (3)		10.00
I- H	0 / 568	-28.0	-28.0	0.41 (3)		10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
I- D	0 / 483	0.11 (1)
I- E	-167 / 26	0.07 (1)
C- I	-167 / 26	0.07 (1)
J- C	-904 / 0	0.38 (1)
E- H	-904 / 0	0.38 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.43")
CALCULATED VERT. DEFL (LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.43")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.09")

CSI: TC=0.19/1.00 (E-F:1) , BC=0.41/1.00 (I-J:3) , WB=0.38/1.00 (E-H:1) , SSI=0.17/1.00 (H-I:3)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (C) (INPUT = 0.90)
JSI METAL= 0.33 (E) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
41978
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM/18566-18
STRUCTURAL
COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286844	G15	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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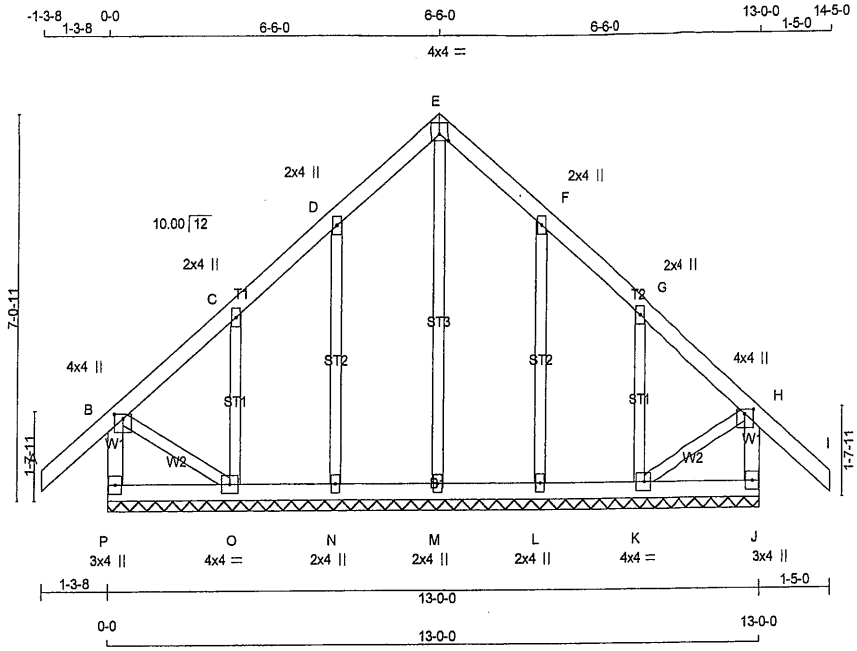

TOTAL WEIGHT = 64 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
P - B	2x4	DRY	No.2	SPF
A - E	2x4	DRY	No.2	SPF
E - I	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
P - J	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
ALL GABLE WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C, D, F, G						
C	TMW+w	MT20	2.0	4.0		
E	TTW-p	MT20	4.0	4.0	1.50	2.00
H	TMVW+p	MT20	4.0	4.0	1.00	2.00
J	BMV1+p	MT20	3.0	4.0		
K	BMWW1-t	MT20	4.0	4.0		
L, M, N						
L	BMW1+w	MT20	2.0	4.0		
O	BMWW1-t	MT20	4.0	4.0		
P	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
P- B	-313 / 0	0.0	0.0	0.03 (1)	7.81	
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00	
B- C	-29 / 0	-112.4	-112.4	0.08 (1)	6.25	
C- D	-40 / 0	-112.4	-112.4	0.08 (1)	6.25	
D- E	-42 / 0	-112.4	-112.4	0.06 (1)	6.25	
E- F	-42 / 0	-112.4	-112.4	0.06 (1)	6.25	
F- G	-40 / 0	-112.4	-112.4	0.08 (1)	6.25	
G- H	-29 / 0	-112.4	-112.4	0.08 (1)	6.25	
H- I	0 / 54	-112.4	-112.4	0.18 (1)	10.00	
J- H	-327 / 0	0.0	0.0	0.03 (1)	7.81	
P- O	0 / 0	-28.0	-28.0	0.04 (3)	10.00	
O- N	0 / 26	-28.0	-28.0	0.04 (3)	10.00	
N- M	0 / 22	-28.0	-28.0	0.03 (3)	10.00	
M- L	0 / 22	-28.0	-28.0	0.03 (3)	10.00	
L- K	0 / 26	-28.0	-28.0	0.04 (3)	10.00	
K- J	0 / 0	-28.0	-28.0	0.04 (3)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
M- E	-157 / 0	0.13 (1)
N- D	-239 / 0	0.10 (1)
O- C	-274 / 0	0.06 (1)
L- F	-239 / 0	0.10 (1)
K- G	-274 / 0	0.06 (1)
B- O	0 / 39	0.01 (1)
K- H	0 / 39	0.01 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.18/1.00 (H-I:1) , BC=0.04/1.00 (N-O:3) , WB=0.13/1.00 (E-M:1) , SSI=0.10/1.00 (H-I:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.26 (E) (INPUT = 0.90)
JSI METAL= 0.07 (G) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4178
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 1059618
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286844	T15A	3	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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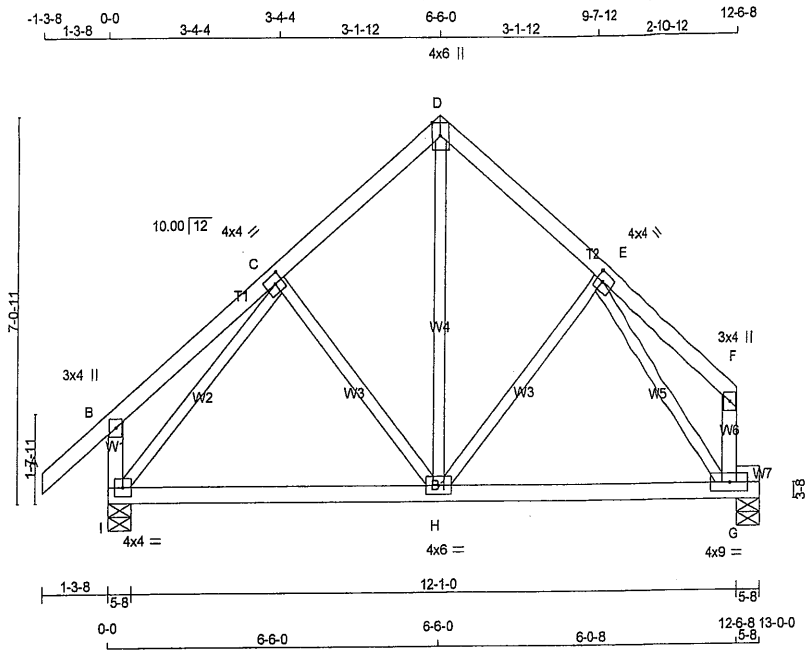

TOTAL WEIGHT = 3 X 60 = 181 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	4.0	2.00	1.75
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		
G	BMVWW1-t	MT20	4.0	9.0		
H	BMWWW-t	MT20	4.0	6.0		
I	BMVW1-t	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
I	1036	0	1036	0	0	5-8	5-8
G	881	0	881	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
I	809	497 / 0	132 / 0	0 / 0	0 / 0	180 / 0	0 / 0
G	702	407 / 0	132 / 0	0 / 0	0 / 0	163 / 0	0 / 0

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

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00
B- C	0 / 27	-112.4	-112.4	0.19 (1)	10.00
C- D	-585 / 0	-112.4	-112.4	0.15 (1)	6.25
D- E	-582 / 0	-112.4	-112.4	0.13 (1)	6.25
E- F	0 / 27	-112.4	-112.4	0.16 (1)	10.00
I- B	-295 / 0	0.0	0.0	0.03 (1)	7.81
G- F	-113 / 0	0.0	0.0	0.01 (1)	7.81
I- H	0 / 541	-28.0	-28.0	0.38 (3)	10.00
H- G	0 / 488	-28.0	-28.0	0.38 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
H- D	0 / 424	0.10 (1)
H- E	-92 / 49	0.04 (1)
C- H	-176 / 21	0.08 (1)
I- C	-862 / 0	0.36 (1)
E- G	-857 / 0	0.32 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.42")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.42")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.10")

CSI: TC=0.19/1.00 (B-C:1) , BC=0.38/1.00 (H-I:3) , WB=0.36/1.00 (C-I:1) , SSI=0.16/1.00 (H-I:3)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.83 (C) (INPUT = 0.90)
JSI METAL= 0.32 (C) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18868 7-18
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T16	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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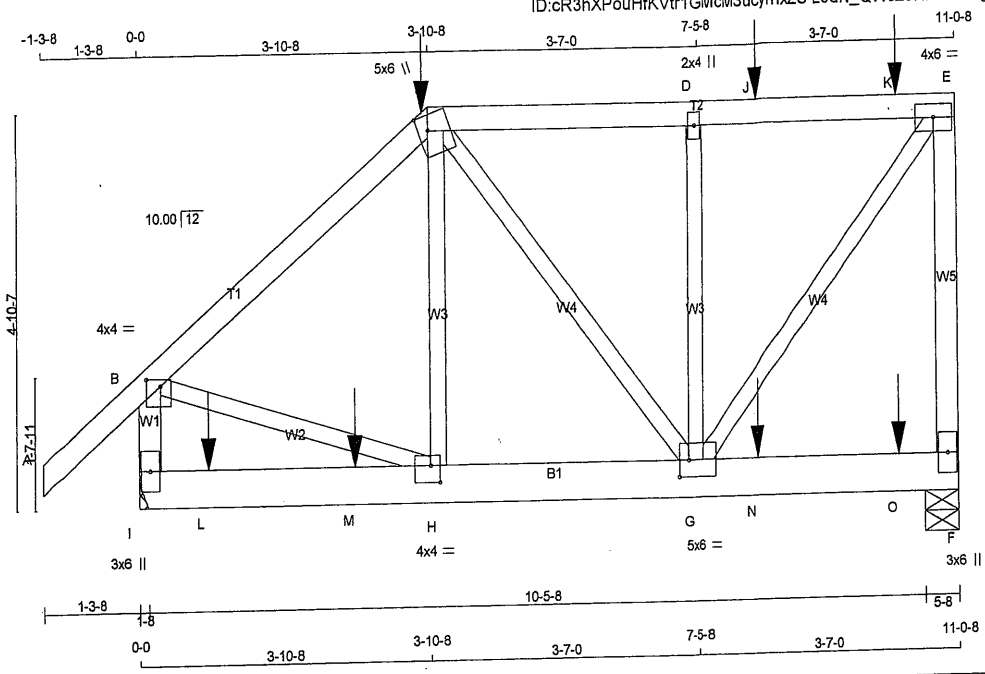

TOTAL WEIGHT = 60 lb [M]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	4.0	4.0	1.00	2.25
C	TTWW+m	MT20	5.0	6.0	2.25	1.50
D	TMW+w	MT20	2.0	4.0		
E	TMVW-t	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	6.0		
G	BMWWW-t	MT20	5.0	6.0	2.50	1.50
H	BMWW-t	MT20	4.0	4.0	2.50	1.50
I	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 184.0 lbs FACTORED DOWN AT 3-10-8, AND 51.1 lbs FACTORED DOWN AT 8-3-8, AND 61.7 lbs FACTORED DOWN AT 10-2-12 ON TOP CHORD, AND 35.7 lbs FACTORED DOWN AT 11-4, 200.7 lbs FACTORED DOWN AT 2-10-8, AND 200.7 lbs FACTORED DOWN AT 8-3-8, AND 38.7 lbs FACTORED DOWN AT 10-2-12 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

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
F	1161	0	1161	0	0	5-8	5-8
I	1286	0	1286	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	926	536 / 0	175 / 0	0 / 0	0 / 0	216 / 0	0 / 0
I	1010	610 / 0	172 / 0	0 / 0	0 / 0	228 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.94 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.17 (1)	10.00
B- C	-919 / 0	-112.4	-112.4	0.34 (1)	5.94
C- D	-677 / 0	-112.4	-112.4	0.29 (1)	6.25
D- J	-678 / 0	-112.4	-112.4	0.30 (1)	6.25
J- K	-678 / 0	-112.4	-112.4	0.30 (1)	6.25
K- E	-678 / 0	-112.4	-112.4	0.30 (1)	6.25
F- E	-1052 / 0	0.0	0.0	0.39 (1)	7.64
I- B	-1180 / 0	0.0	0.0	0.13 (1)	7.31
I- L	0 / 0	-28.0	-28.0	0.11 (1)	10.00
L- M	0 / 0	-28.0	-28.0	0.11 (1)	10.00
M- H	0 / 0	-28.0	-28.0	0.11 (1)	10.00
H- G	0 / 706	-28.0	-28.0	0.15 (1)	10.00
G- N	0 / 0	-28.0	-28.0	0.11 (1)	10.00
N- O	0 / 0	-28.0	-28.0	0.11 (1)	10.00
O- F	0 / 0	-28.0	-28.0	0.11 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
H- C	0 / 209	0.05 (3)
C- G	-46 / 0	0.02 (1)
G- D	-557 / 0	0.19 (1)
G- E	0 / 1079	0.27 (1)
B- H	0 / 737	0.18 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	3-10-8	-25	-28	---	FRONT	VERT	DEAD
C	3-10-8	-159	-159	---	FRONT	VERT	SNOW
J	8-3-8	-51	-51	---	FRONT	VERT	TOTAL
K	10-2-12	-62	-62	---	FRONT	VERT	TOTAL
L	11-4	-20	-36	---	FRONT	VERT	TOTAL
M	2-10-8	-201	-201	---	FRONT	VERT	TOTAL
N	8-3-8	-201	-201	---	FRONT	VERT	TOTAL
O	10-2-12	-22	-39	---	FRONT	VERT	TOTAL

PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.37")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.02")
ALLOWABLE DEFL.(TL)= L/360 (0.37")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.03")

CSI: TC=0.39/1.00 (E-F:1) , BC=0.15/1.00 (G-H:1) , WB=0.27/1.00 (E-G:1) , SSI=0.27/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (B) (INPUT = 0.90)
JSI METAL= 0.29 (B) (INPUT = 1.00)

DWG NO. TAM 18567-17B
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286844	T16Z	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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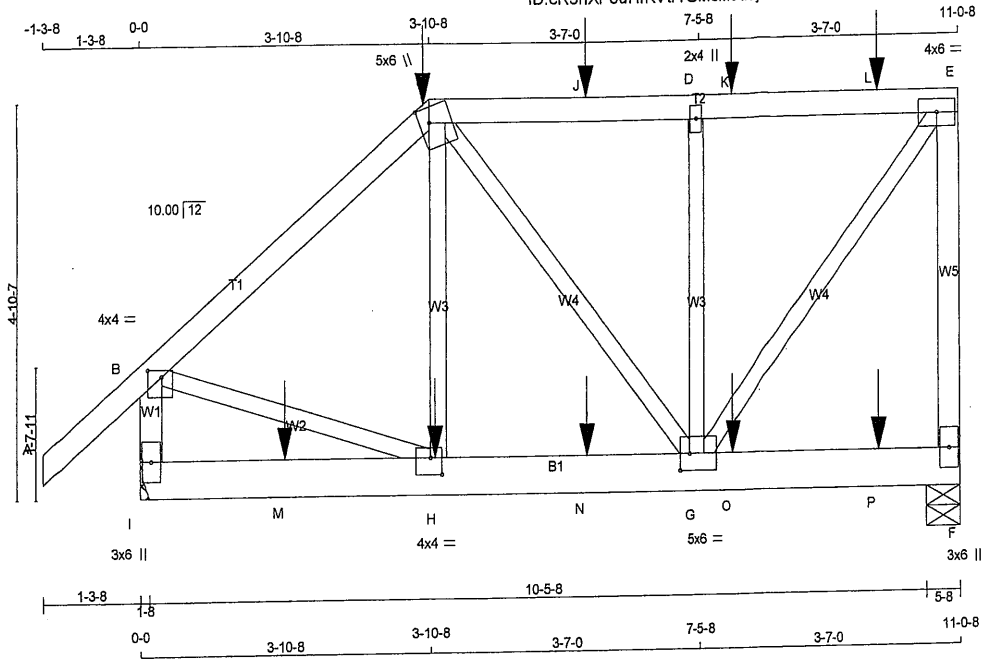

TOTAL WEIGHT = 60 lb
[M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	4.0	4.0	1.00	2.25
C	TTWW+m	MT20	5.0	6.0	2.25	1.50
D	TMW+w	MT20	2.0	4.0		
E	TMVW-t	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	6.0		
G	BMWWW-t	MT20	5.0	6.0	2.50	1.50
H	BMWW-t	MT20	4.0	4.0	2.50	1.75
I	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 294.8 lbs FACTORED DOWN AT 3-10-8, 51.1 lbs FACTORED DOWN AT 5-11-4, AND 51.1 lbs FACTORED DOWN AT 7-11-4, AND 51.1 lbs FACTORED DOWN AT 9-11-4 ON TOP CHORD, AND 42.0 lbs FACTORED DOWN AT 1-11-4, 34.1 lbs FACTORED DOWN AT 3-11-4, 34.1 lbs FACTORED DOWN AT 5-11-4, AND 34.1 lbs FACTORED DOWN AT 7-11-4, AND 34.1 lbs FACTORED DOWN AT 9-11-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

LICENSED PROFESSIONAL ENGINEER
4107
S. KATSOULAROS
PROVINCE OF ONTARIO

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
F	1042	0	1042	0	0	5-8	5-8
I	1214	0	1214	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	831	481 / 0	156 / 0	0 / 0	0 / 0	195 / 0	0 / 0
I	947	581 / 0	152 / 0	0 / 0	0 / 0	213 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.01 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.17 (1)	10.00
B- C	-889 / 0	-112.4	-112.4	0.34 (1)	6.01
C- J	-631 / 0	-112.4	-112.4	0.32 (1)	6.25
J- D	-631 / 0	-112.4	-112.4	0.32 (1)	6.25
D- K	-632 / 0	-112.4	-112.4	0.32 (1)	6.25
K- L	-632 / 0	-112.4	-112.4	0.32 (1)	6.25
L- E	-632 / 0	-112.4	-112.4	0.32 (1)	6.25
F- E	-973 / 0	0.0	0.0	0.36 (1)	7.81
I- B	-1154 / 0	0.0	0.0	0.13 (1)	7.38
I- M	0 / 0	-28.0	-28.0	0.08 (3)	10.00
M- H	0 / 0	-28.0	-28.0	0.08 (3)	10.00
H- N	0 / 680	-28.0	-28.0	0.12 (1)	10.00
N- G	0 / 680	-28.0	-28.0	0.12 (1)	10.00
G- O	0 / 0	-28.0	-28.0	0.06 (2)	10.00
O- P	0 / 0	-28.0	-28.0	0.06 (2)	10.00
P- F	0 / 0	-28.0	-28.0	0.06 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
H- C	-47 / 181	0.05 (3)
C- G	-78 / 0	0.04 (1)
G- D	-602 / 0	0.20 (1)
G- E	0 / 1006	0.25 (1)
B- H	0 / 712	0.18 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	3-10-8	-295	-295	—	FRONT	VERT	TOTAL
H	3-11-4	-20	-34	—	FRONT	VERT	TOTAL
J	5-11-4	-51	-51	—	FRONT	VERT	TOTAL
K	7-11-4	-51	-51	—	FRONT	VERT	TOTAL
L	9-11-4	-51	-51	—	FRONT	VERT	TOTAL
M	1-11-4	-24	-42	—	FRONT	VERT	TOTAL
N	5-11-4	-20	-34	—	FRONT	VERT	TOTAL
O	7-11-4	-20	-34	—	FRONT	VERT	TOTAL
P	9-11-4	-20	-34	—	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.37")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.02")
ALLOWABLE DEFL.(TL)= L/360 (0.37")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.02")

CSI: TC=0.36/1.00 (E-F:1) , BC=0.12/1.00 (G-H:1) , WB=0.25/1.00 (E-G:1) , SSI=0.27/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (H) (INPUT = 0.90)
JSI METAL= 0.28 (B) (INPUT = 1.00)

DWG NO. TAM 185BB.18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286842	T17	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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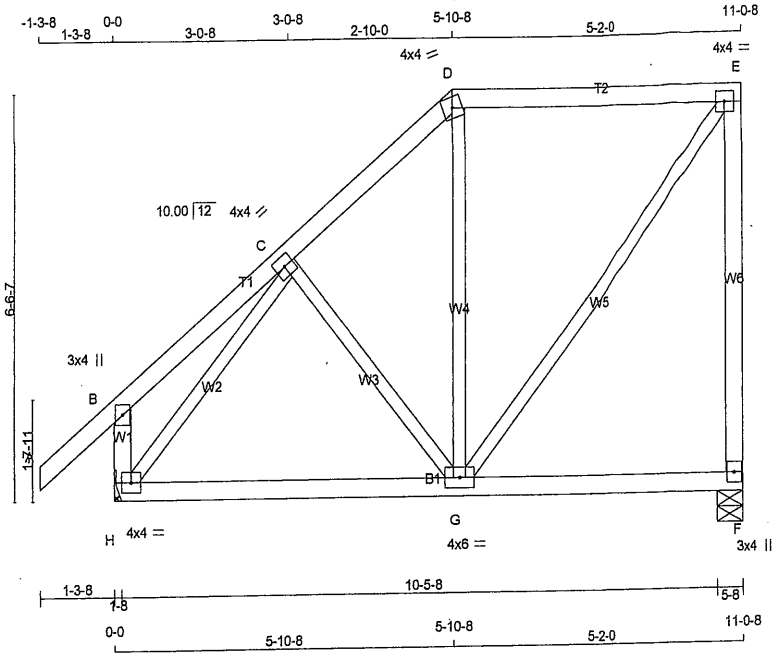

TOTAL WEIGHT = 56 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	4.0		
D	TTW-m	MT20	4.0	4.0		
E	TMVW-t	MT20	4.0	4.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMWWW-t	MT20	4.0	6.0		
H	BMVW1-t	MT20	4.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
F	775	0	775	0	0	5-8	5-8
H	931	0	931	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	618	359 / 0	116 / 0	0 / 0	0 / 0	144 / 0	0 / 0
H	725	449 / 0	116 / 0	0 / 0	0 / 0	160 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00
B- C	0 / 25	-112.4	-112.4	0.16 (1)	10.00
C- D	-488 / 0	-112.4	-112.4	0.12 (1)	6.25
D- E	-353 / 0	-112.4	-112.4	0.38 (1)	6.25
F- E	-724 / 0	0.0	0.0	0.64 (1)	7.81
H- B	-281 / 0	0.0	0.0	0.03 (1)	7.81
H- G	0 / 455	-28.0	-28.0	0.30 (3)	10.00
G- F	0 / 0	-28.0	-28.0	0.27 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- G	-158 / 18	0.06 (1)
G- D	-123 / 96	0.09 (1)
G- E	0 / 560	0.13 (1)
H- C	-740 / 0	0.26 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.37")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.37")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.08")

CSI: TC=0.64/1.00 (E-F:1) , BC=0.30/1.00 (G-H:3) , WB=0.26/1.00 (C-H:1) , SSI=0.23/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (C) (INPUT = 0.90)
JSI METAL= 0.27 (C) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4/07
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 185667
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286842	T18	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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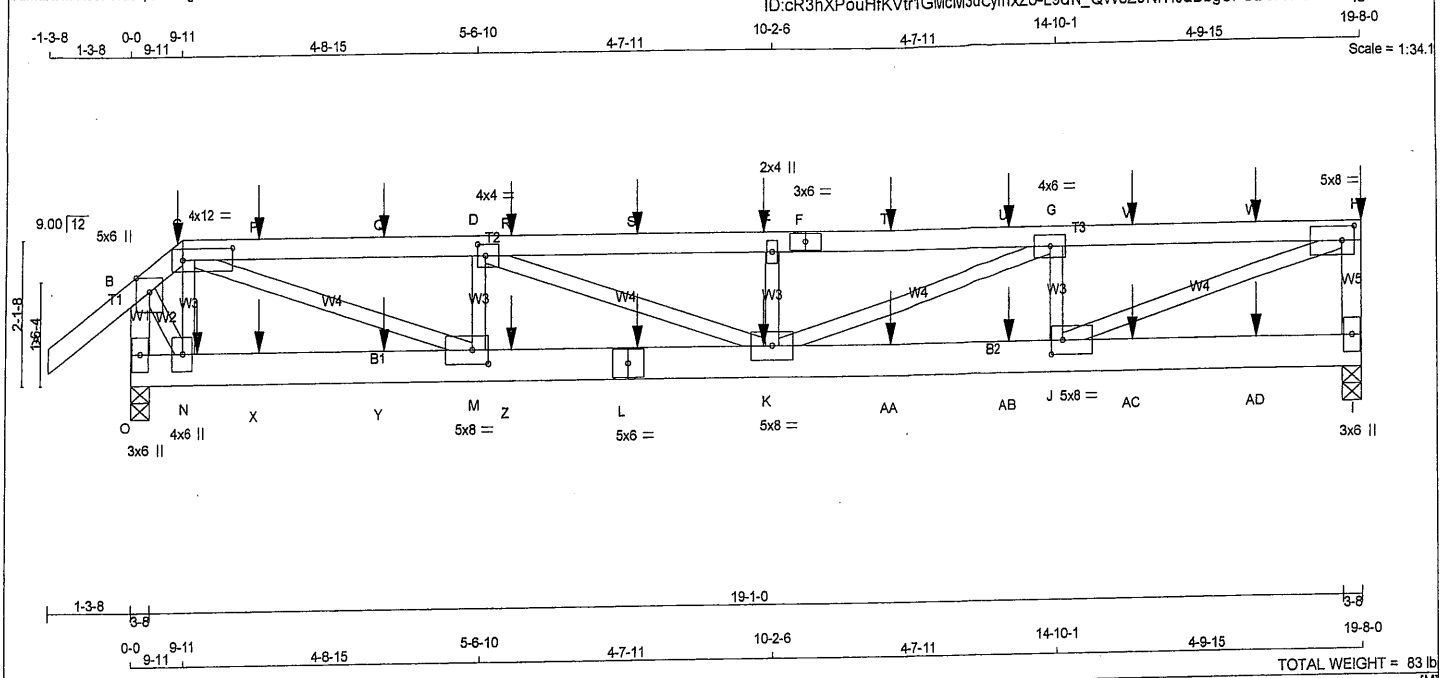

TOTAL WEIGHT = 83 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TTWW-I	MT20	4.0	12.0	2.00	10.00
D	TMWW-t	MT20	4.0	4.0	2.00	1.50
E	TMW+w	MT20	2.0	4.0		
F	TS-t	MT20	3.0	6.0		
G	TMWW-t	MT20	4.0	6.0		
H	TMVW-t	MT20	5.0	8.0	2.50	2.25
I	BMV1+p	MT20	3.0	6.0		
J	BMWW-t	MT20	5.0	8.0	2.50	2.25
K	BMWWW-t	MT20	5.0	8.0		
L	BS-t	MT20	5.0	6.0		
M	BMWW-t	MT20	5.0	8.0	2.50	3.00
N	BMWW+t	MT20	4.0	6.0		
O	BMV1+p	MT20	3.0	6.0		

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

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 44.4 lbs FACTORED DOWN AT 9-11, 38.8 lbs FACTORED DOWN AT 2-0-12, 38.8 lbs FACTORED DOWN AT 4-0-12, 38.8 lbs FACTORED DOWN AT 6-0-12, 38.8 lbs FACTORED DOWN AT 8-0-12, 38.8 lbs FACTORED DOWN AT 10-0-12, 38.8 lbs FACTORED DOWN AT 12-0-12, 38.8 lbs FACTORED DOWN AT 14-0-12, 38.8 lbs FACTORED DOWN AT 16-0-12, AND 38.8 lbs FACTORED DOWN AT 18-0-12, AND 89.1 lbs FACTORED DOWN AT 19-8-0 ON TOP CHORD, AND 24.4 lbs FACTORED DOWN AT 1-0-12, 24.4 lbs FACTORED DOWN AT 2-0-12, 24.4 lbs FACTORED DOWN AT 4-0-12, 24.4 lbs FACTORED DOWN AT 6-0-12, 24.4 lbs FACTORED DOWN AT 8-0-12, 24.4 lbs FACTORED DOWN AT 10-0-12, 24.4 lbs FACTORED DOWN AT 12-0-12, 24.4 lbs FACTORED DOWN AT 14-0-12, AND 24.4 lbs FACTORED DOWN AT 16-0-12, AND 24.4 lbs FACTORED DOWN AT 18-0-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
I	1710	0	1710	0	0	3-8	3-8
O	1829	0	1829	0	0	3-8	3-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
I	1363	791 / 0	255 / 0	0 / 0	0 / 0	317 / 0	0 / 0
O	1450	851 / 0	263 / 0	0 / 0	0 / 0	337 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.43 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-112.4	-112.4	0.17 (1)	10.00
B- C	-1204 / 0	-112.4	-112.4	0.18 (1)	5.59
C- P	-3760 / 0	-112.4	-112.4	0.72 (1)	2.90
P- Q	-3760 / 0	-112.4	-112.4	0.72 (1)	2.90
Q- D	-3760 / 0	-112.4	-112.4	0.72 (1)	2.90
D- R	-4579 / 0	-112.4	-112.4	0.84 (1)	2.46
R- S	-4579 / 0	-112.4	-112.4	0.84 (1)	2.46
S- E	-4579 / 0	-112.4	-112.4	0.84 (1)	2.46
E- F	-4579 / 0	-112.4	-112.4	0.86 (1)	2.43
F- T	-4579 / 0	-112.4	-112.4	0.86 (1)	2.43
T- U	-4579 / 0	-112.4	-112.4	0.86 (1)	2.43
U- G	-4579 / 0	-112.4	-112.4	0.86 (1)	2.43
G- V	-3501 / 0	-112.4	-112.4	0.70 (1)	3.02
V- W	-3501 / 0	-112.4	-112.4	0.70 (1)	3.02
W- H	-3501 / 0	-112.4	-112.4	0.70 (1)	3.02
I- H	-1609 / 0	0.0	0.0	0.19 (1)	6.48
O- B	-2100 / 0	0.0	0.0	0.24 (1)	5.79
O- N	0 / 0	-28.0	-28.0	0.19 (1)	10.00
N- X	0 / 853	-28.0	-28.0	0.30 (1)	10.00
X- Y	0 / 853	-28.0	-28.0	0.30 (1)	10.00
Y- M	0 / 853	-28.0	-28.0	0.30 (1)	10.00
M- Z	0 / 3760	-28.0	-28.0	0.67 (1)	10.00
Z- L	0 / 3760	-28.0	-28.0	0.67 (1)	10.00
L- K	0 / 3760	-28.0	-28.0	0.67 (1)	10.00
K-AA	0 / 3501	-28.0	-28.0	0.62 (1)	10.00
AA-AB	0 / 3501	-28.0	-28.0	0.62 (1)	10.00
AB- J	0 / 3501	-28.0	-28.0	0.62 (1)	10.00
J-AC	0 / 0	-28.0	-28.0	0.12 (2)	10.00
AC-AD	0 / 0	-28.0	-28.0	0.12 (2)	10.00
AD- I	0 / 0	-28.0	-28.0	0.12 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
N- C	-599 / 0	0.10 (1)
B- N	0 / 1399	0.35 (1)
J- H	0 / 3724	0.92 (1)
C- M	0 / 3095	0.77 (1)
J- G	-1117 / 0	0.18 (1)
M- D	-997 / 0	0.16 (1)
K- G	0 / 1153	0.29 (1)
D- K	0 / 876	0.22 (1)
K- E	-557 / 0	0.09 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	9-11	-44	-44	---	BACK	VERT	TOTAL
E	10-0-12	-39	-39	---	BACK	VERT	TOTAL
H	19-8-0	-89	-89	---	BACK	VERT	TOTAL
K	10-0-12	-14	-24	---	BACK	VERT	TOTAL
L	8-0-12	-14	-24	---	BACK	VERT	TOTAL
N	1-0-12	-14	-24	---	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
4/28
S. KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.66")
CALCULATED VERT. DEFL.(LL) = L/ 882 (0.27")
ALLOWABLE DEFL.(TL)= L/360 (0.66")
CALCULATED VERT. DEFL.(TL) = L/ 539 (0.44")

CSI: TC=0.86/1.00 (E-G:1) , BC=0.67/1.00 (K-M:1) , WB=0.92/1.00 (H-J:1) , SSI=0.32/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (D) (INPUT = 0.90)
JSI METAL= 0.77 (L) (INPUT = 1.00)

DWG NO. TAM / 0569-08 Pb/L
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

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FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
P	2-0-12	-39	-39	—	BACK	VERT	TOTAL
Q	4-0-12	-39	-39	—	BACK	VERT	TOTAL
R	6-0-12	-39	-39	—	BACK	VERT	TOTAL
S	8-0-12	-39	-39	—	BACK	VERT	TOTAL
T	12-0-12	-39	-39	—	BACK	VERT	TOTAL
U	14-0-12	-39	-39	—	BACK	VERT	TOTAL
V	16-0-12	-39	-39	—	BACK	VERT	TOTAL
W	18-0-12	-39	-39	—	BACK	VERT	TOTAL
X	2-0-12	-14	-24	—	BACK	VERT	TOTAL
Y	4-0-12	-14	-24	—	BACK	VERT	TOTAL
Z	6-0-12	-14	-24	—	BACK	VERT	TOTAL
AA	12-0-12	-14	-24	—	BACK	VERT	TOTAL
AB	14-0-12	-14	-24	—	BACK	VERT	TOTAL
AC	16-0-12	-14	-24	—	BACK	VERT	TOTAL
AD	18-0-12	-14	-24	—	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
4196
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 10569.08
STRUCTURAL
COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T19	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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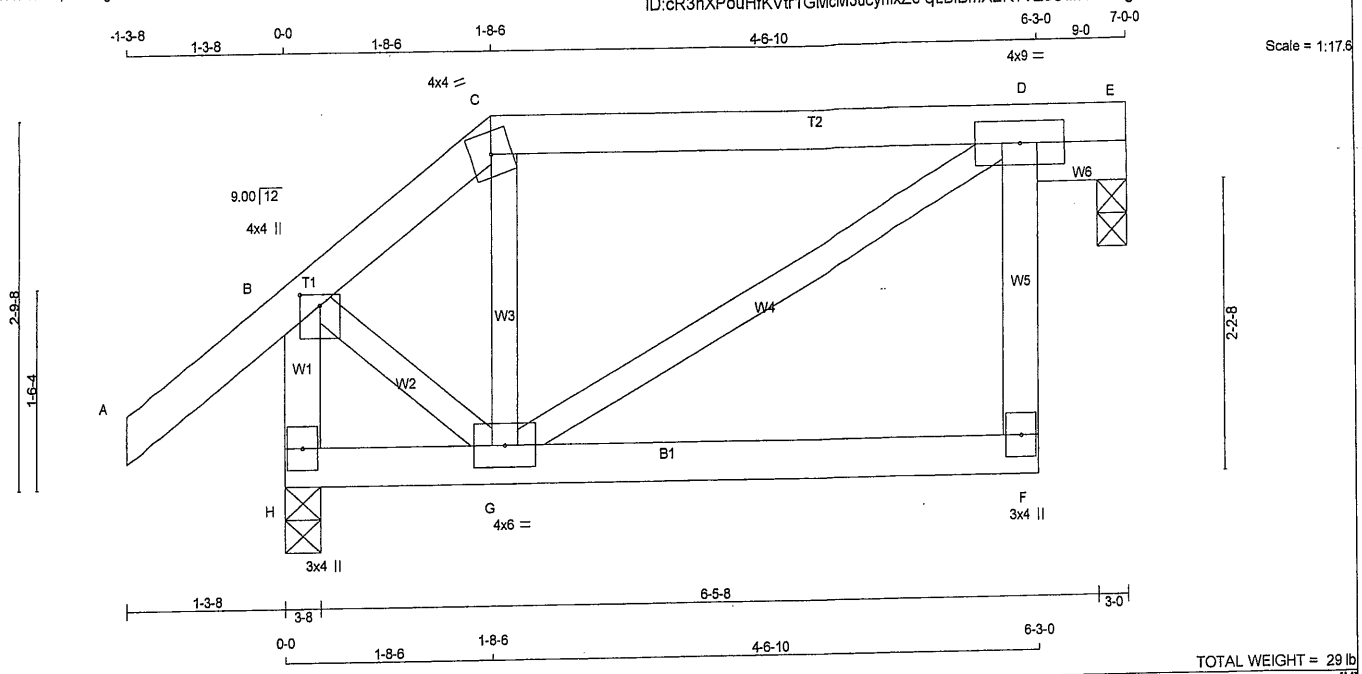

TOTAL WEIGHT = 29 lb [M]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTW-m	MT20	4.0	4.0		
D	TMVWW-t	MT20	4.0	9.0		
F	BMV+p	MT20	3.0	4.0		
G	BMWWW-t	MT20	4.0	6.0		
H	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
E	456	0	456	0	0	3-0	3-0
H	661	0	661	0	0	3-8	3-8

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): E

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	357	219 / 0	59 / 0	0 / 0	0 / 0	79 / 0	0 / 0
H	507	326 / 0	73 / 0	0 / 0	0 / 0	109 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-112.4	-112.4	0.15 (1)	10.00
B- C	-344 / 0	-112.4	-112.4	0.15 (1)	6.25
C- D	-237 / 0	-112.4	-112.4	0.64 (1)	6.25
D- E	0 / 0	-112.4	-112.4	0.18 (1)	10.00
F- D	0 / 90	0.0	0.0	0.02 (3)	10.00
H- B	-660 / 0	0.0	0.0	0.07 (1)	7.81
H- G	0 / 0	-28.0	-28.0	0.13 (3)	10.00
G- F	0 / 0	-28.0	-28.0	0.13 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
G- C	-172 / 42	0.03 (1)
G- D	0 / 271	0.06 (1)
B- G	0 / 292	0.07 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.23")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.23")
CALCULATED VERT. DEFL.(TL) = L/ 652 (0.13")

CSI: TC=0.64/1.00 (C-D:1) , BC=0.13/1.00 (G-H:3) , WB=0.07/1.00 (B-G:1) , SSI=0.25/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.81 (D) (INPUT = 0.90)
JSI METAL= 0.31 (D) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4192
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18590-17
STRUCTURAL
COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T20	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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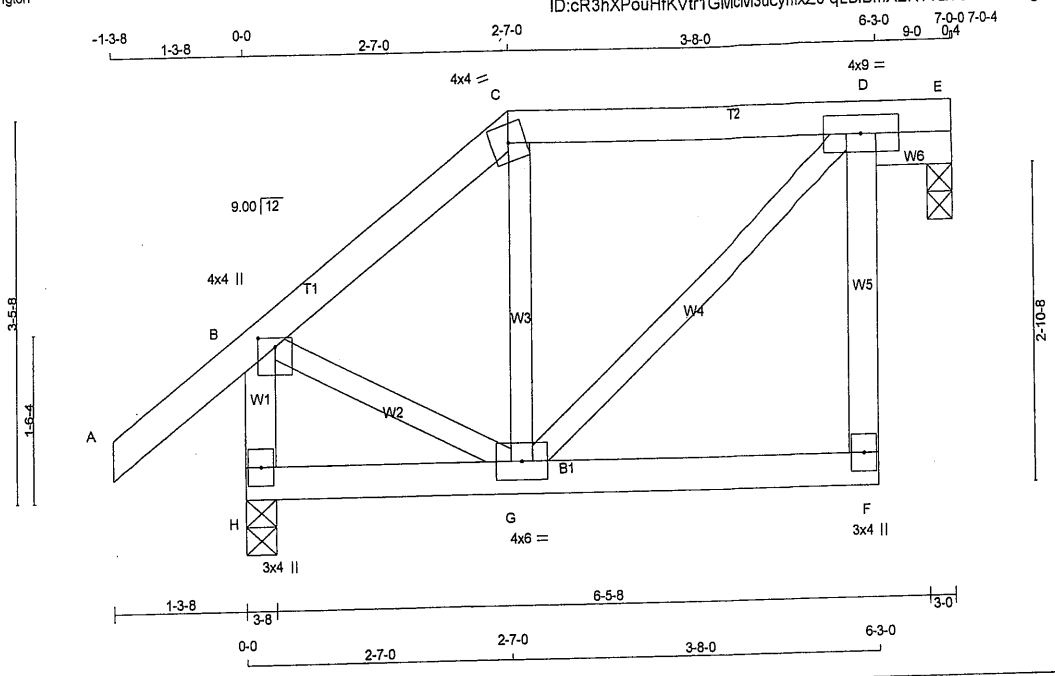

TOTAL WEIGHT = 31 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTW-m	MT20	4.0	4.0		
D	TMVWW-t	MT20	4.0	9.0		
F	BMV+p	MT20	3.0	4.0		
G	BMWWW-t	MT20	4.0	6.0		
H	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
E	472	0	472	0	0	3-0	3-0
H	645	0	645	0	0	3-8	3-8

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): E

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	367	227 / 0	59 / 0	0 / 0	0 / 0	81 / 0	0 / 0
H	497	317 / 0	73 / 0	0 / 0	0 / 0	107 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-112.4	-112.4	0.15 (1)	10.00
B- C	-332 / 0	-112.4	-112.4	0.13 (1)	6.25
C- D	-258 / 0	-112.4	-112.4	0.53 (1)	6.25
D- E	0 / 0	-112.4	-112.4	0.18 (1)	10.00
F- D	0 / 71	0.0	0.0	0.01 (3)	10.00
H- B	-619 / 0	0.0	0.0	0.06 (1)	7.81
H- G	0 / 0	-28.0	-28.0	0.09 (3)	10.00
G- F	0 / 0	-28.0	-28.0	0.09 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
G- C	-240 / 15	0.05 (1)
G- D	0 / 344	0.08 (1)
B- G	0 / 290	0.07 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.23")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.23")
CALCULATED VERT. DEFL.(TL) = L/ 940 (0.09")

CSI: TC=0.53/1.00 (C-D:1) , BC=0.09/1.00 (G-H:3) , WB=0.08/1.00 (D-G:1) , SSI=0.23/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.84 (D) (INPUT = 0.90)
JSI METAL= 0.32 (D) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4918
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 10571-18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286842	T21	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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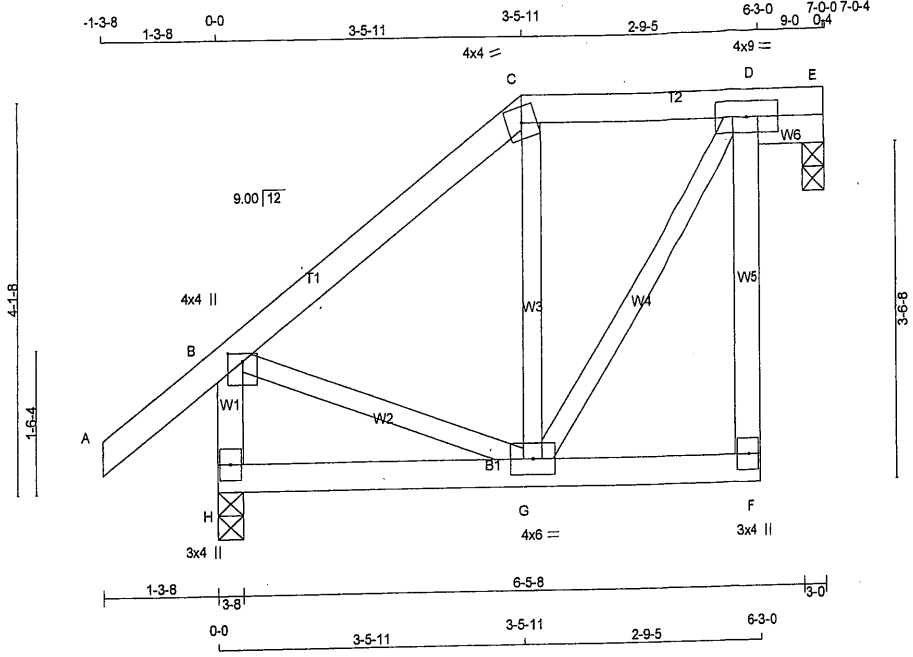

TOTAL WEIGHT = 33 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTW-m	MT20	4.0	4.0		
D	TMVWW-t	MT20	4.0	9.0		
F	BMV+p	MT20	3.0	4.0		
G	BMWWW-t	MT20	4.0	6.0		
H	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
E	472	0	472	0	0	3-0	3-0
H	645	0	645	0	0	3-8	3-8

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): E

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	367	227 / 0	59 / 0	0 / 0	0 / 0	81 / 0	0 / 0
H	497	317 / 0	73 / 0	0 / 0	0 / 0	107 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-112.4	-112.4	0.15 (1)	10.00
B- C	-292 / 0	-112.4	-112.4	0.23 (1)	6.25
C- D	-225 / 0	-112.4	-112.4	0.45 (1)	6.25
D- E	0 / 0	-112.4	-112.4	0.18 (1)	10.00
F- D	0 / 44	0.0	0.0	0.01 (3)	10.00
H- B	-604 / 0	0.0	0.0	0.06 (1)	7.81
H- G	0 / 0	-28.0	-28.0	0.09 (3)	10.00
G- F	0 / 0	-28.0	-28.0	0.09 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
G- C	-293 / 0	0.08 (1)
G- D	0 / 393	0.09 (1)
B- G	0 / 245	0.06 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.23")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.23")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.06")

CSI: TC=0.45/1.00 (C-D:1) , BC=0.09/1.00 (G-H:3) , WB=0.09/1.00 (D-G:1) , SSI=0.21/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

CSI GRIP= 0.84 (D) (INPUT = 0.90)
CSI METAL= 0.32 (D) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4170
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM/18572-07
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T22	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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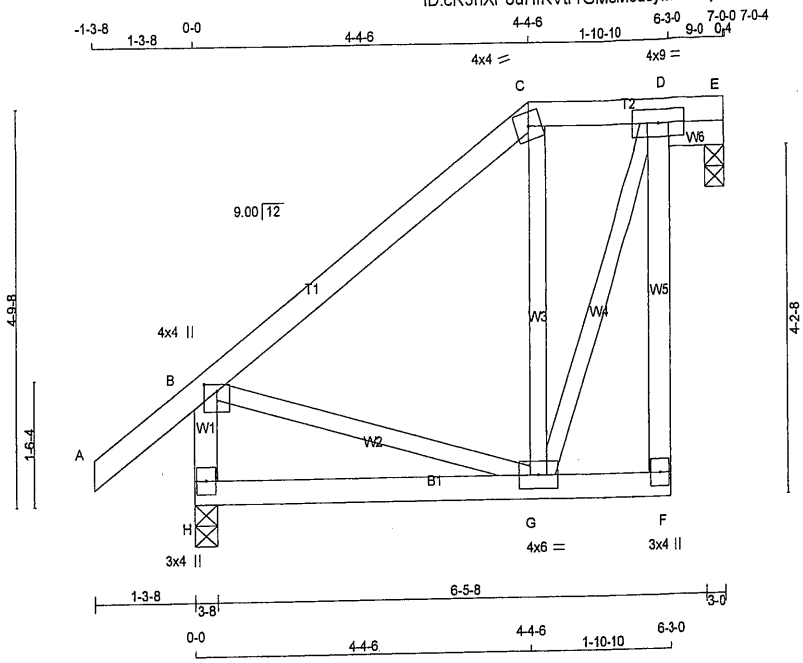

TOTAL WEIGHT = 36 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTW-m	MT20	4.0	4.0		
D	TMVWW-t	MT20	4.0	9.0		
F	BMV+p	MT20	3.0	4.0		
G	BMWWW-t	MT20	4.0	6.0		
H	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
E	472	0	472	0	0	3-0	3-0
H	645	0	645	0	0	3-8	3-8

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): E

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	367	227 / 0	59 / 0	0 / 0	0 / 0	81 / 0	0 / 0
H	497	317 / 0	73 / 0	0 / 0	0 / 0	107 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-112.4	-112.4	0.15 (1)	10.00
B- C	-236 / 0	-112.4	-112.4	0.37 (1)	6.25
C- D	-181 / 0	-112.4	-112.4	0.44 (1)	6.25
D- E	0 / 0	-112.4	-112.4	0.18 (1)	10.00
F- D	-6 / 0	0.0	0.0	0.00 (3)	7.81
H- B	-593 / 0	0.0	0.0	0.06 (1)	7.81
H- G	0 / 0	-28.0	-28.0	0.13 (3)	10.00
G- F	0 / 0	-28.0	-28.0	0.13 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
G- C	-382 / 0	0.13 (1)
G- D	0 / 488	0.11 (1)
B- G	0 / 195	0.04 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.23")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.02")
ALLOWABLE DEFL.(TL)= L/360 (0.23")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.04")

CSI: TC=0.44/1.00 (C-D:1) , BC=0.13/1.00 (G-H:3) , WB=0.13/1.00 (C-G:1) , SSI=0.22/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.84 (D) (INPUT = 0.90)
JSI METAL= 0.32 (D) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4197
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18573-18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T23	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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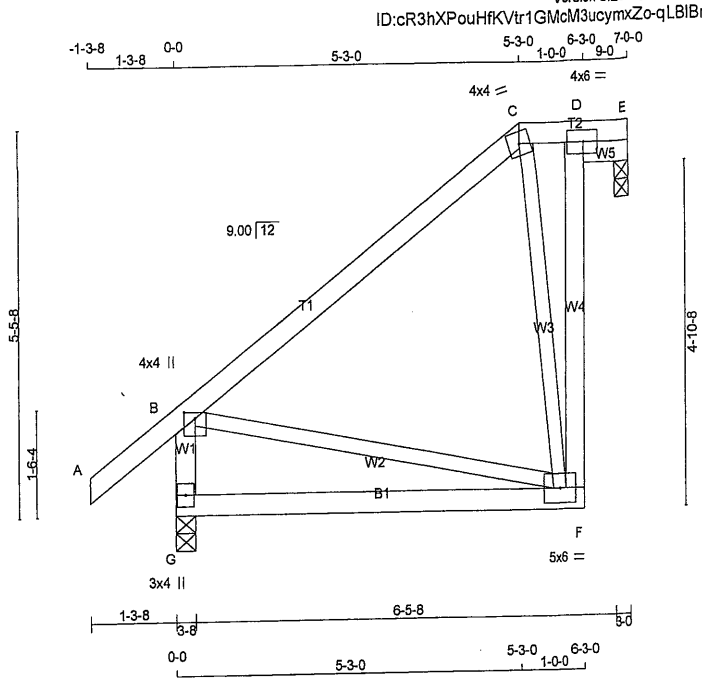

TOTAL WEIGHT = 35 lb [M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
F - D	2x4	DRY	No.2	SPF
G - B	2x4	DRY	No.2	SPF
G - 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	TTW-m	MT20	4.0	4.0		
D	TMVW-t	MT20	4.0	6.0		
F	BMVWW-t	MT20	5.0	6.0		
G	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
E	472	0	472	0	0	3-0	3-0
G	645	0	645	0	0	3-8	3-8

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): E

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	367	227 / 0	59 / 0	0 / 0	0 / 0	81 / 0	0 / 0
G	497	317 / 0	73 / 0	0 / 0	0 / 0	107 / 0	0 / 0

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

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-112.4	-112.4	0.15 (1)	10.00
B- C	-143 / 0	-112.4	-112.4	0.53 (1)	6.25
C- D	-6 / 0	-112.4	-112.4	0.44 (1)	10.00
D- E	0 / 0	-112.4	-112.4	0.18 (1)	10.00
F- D	0 / 654	0.0	0.0	0.11 (1)	10.00
G- B	-558 / 0	0.0	0.0	0.06 (1)	7.81
G- F	0 / 0	-28.0	-28.0	0.35 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
B- F	0 / 116	0.03 (1)
C- F	-599 / 0	0.27 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.23")
CALCULATED VERT. DEFL.(LL) = L/ 808 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (0.23")
CALCULATED VERT. DEFL.(TL) = L/ 484 (0.17")

CSI: TC=0.53/1.00 (B-C:1) , BC=0.35/1.00 (F-G:3) , WB=0.27/1.00 (C-F:1) , SSI=0.30/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.75 (D) (INPUT = 0.90)
JSI METAL= 0.34 (D) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
40018
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18594-08
STRUCTURAL
COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286842	T24	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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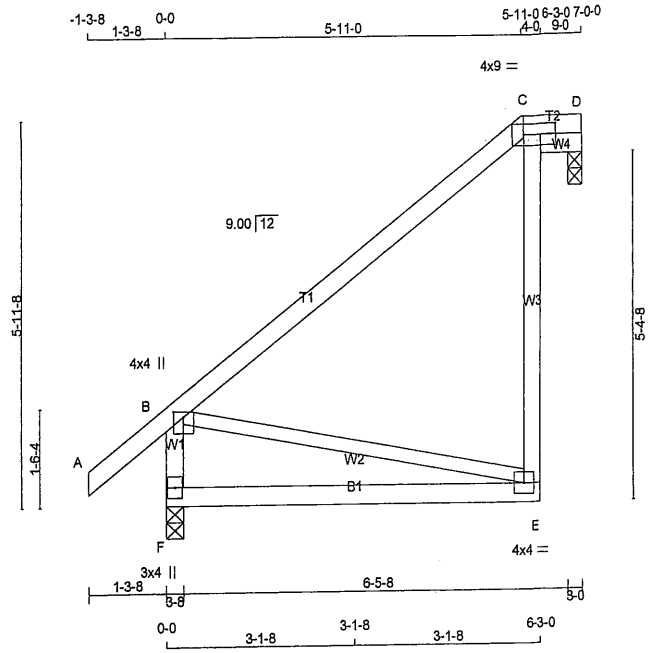

TOTAL WEIGHT = 32 lb
[M]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in Inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTVW-I	MT20	4.0	9.0	2.00	6.75
E	BMVW-t	MT20	4.0	4.0		
F	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
D	377	0	377	0	0	3-0	3-0
F	740	0	740	0	0	3-8	3-8

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): D

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	302	173 / 0	58 / 0	0 / 0	0 / 0	71 / 0	0 / 0
F	562	371 / 0	73 / 0	0 / 0	0 / 0	117 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 47	-112.4	-112.4	0.15 (1)		10.00
B- C	-152 / 0	-112.4	-112.4	0.72 (1)		6.25
C- D	-16 / 0	-112.4	-112.4	0.18 (1)		6.25
E- C	0 / 163	0.0	0.0	0.49 (1)		10.00
F- B	-667 / 0	0.0	0.0	0.22 (3)		7.81
F- E	-75 / 121	-28.0	-28.0	0.24 (3)		6.25

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
B- E	-86 / 161	0.06 (3)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.23")
CALCULATED VERT. DEFL.(LL) = L/999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.23")
CALCULATED VERT. DEFL.(TL) = L/845 (0.10")

CSI: TC=0.72/1.00 (B-C:1) , BC=0.24/1.00 (E-F:3) , WB=0.06/1.00 (B-E:3) , SSI=0.26/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.65 (C) (INPUT = 0.90)
JSI METAL= 0.28 (C) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4/07/18
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 185258
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T25	6	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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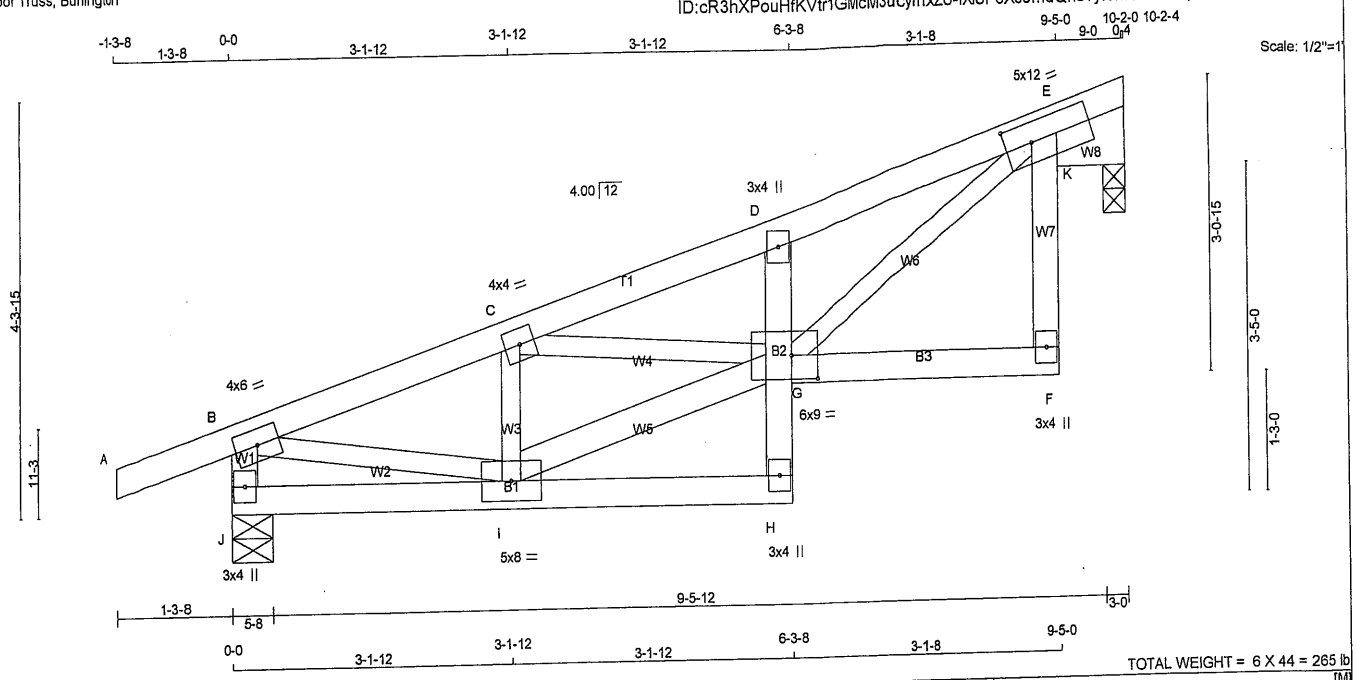

TOTAL WEIGHT = 6 X 44 = 265 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	6.0		
C	TMWW-t	MT20	4.0	4.0		
D	TMV+p	MT20	3.0	4.0		
E	TMVWW1-t	MT20	5.0	12.0	2.50	3.75
F	BMV+p	MT20	3.0	4.0		
G	BVMWWW-l	MT20	6.0	9.0	3.00	3.50
H	BMV+p	MT20	3.0	4.0		
I	BMWWW-t	MT20	5.0	8.0		
J	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
L(E)	619	0	619	0	0	3-0	3-0
J	854	0	854	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L(E)	493	286 / 0	93 / 0	0 / 0	0 / 0	115 / 0	0 / 0
J	664	412 / 0	105 / 0	0 / 0	0 / 0	146 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.47 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 24	-112.4	-112.4	0.14 (1)	10.00
B- C	-1008 / 0	-112.4	-112.4	0.15 (1)	6.05
C- D	-1255 / 0	-112.4	-112.4	0.14 (1)	5.58
D- E	-1285 / 0	-112.4	-112.4	0.19 (1)	5.47
F- K	0 / 80	0.0	0.0	0.44 (1)	10.00
K- E	0 / 80	0.0	0.0	0.44 (1)	10.00
J- B	-814 / 0	0.0	0.0	0.08 (1)	7.81
J- I	0 / 0	-28.0	-28.0	0.07 (3)	10.00
I- H	0 / 42	-28.0	-28.0	0.07 (3)	10.00
H- G	0 / 59	0.0	0.0	0.08 (1)	10.00
G- D	-376 / 0	0.0	0.0	0.07 (1)	7.81
G- F	0 / 158	-28.0	-28.0	0.11 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
G- E	0 / 1331	0.30 (1)
I- C	-485 / 0	0.07 (1)
I- G	0 / 1000	0.16 (1)
C- G	0 / 226	0.05 (1)
B- I	0 / 984	0.22 (1)
E- L	-1010 / 0	0.04 (1)
K- L	0 / 798	0.00 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.31")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.31")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.08")

CSI: TC=0.44/1.00 (F-K:1) , BC=0.11/1.00 (F-G:3) , WB=0.30/1.00 (E-G:1) , SSI=0.21/1.00 (E-K:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE LEFT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.64 (G) (INPUT = 0.90)
JSI METAL= 0.28 (B) (INPUT = 1.00)

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DWG NO. TAM 185768
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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286844	T26S	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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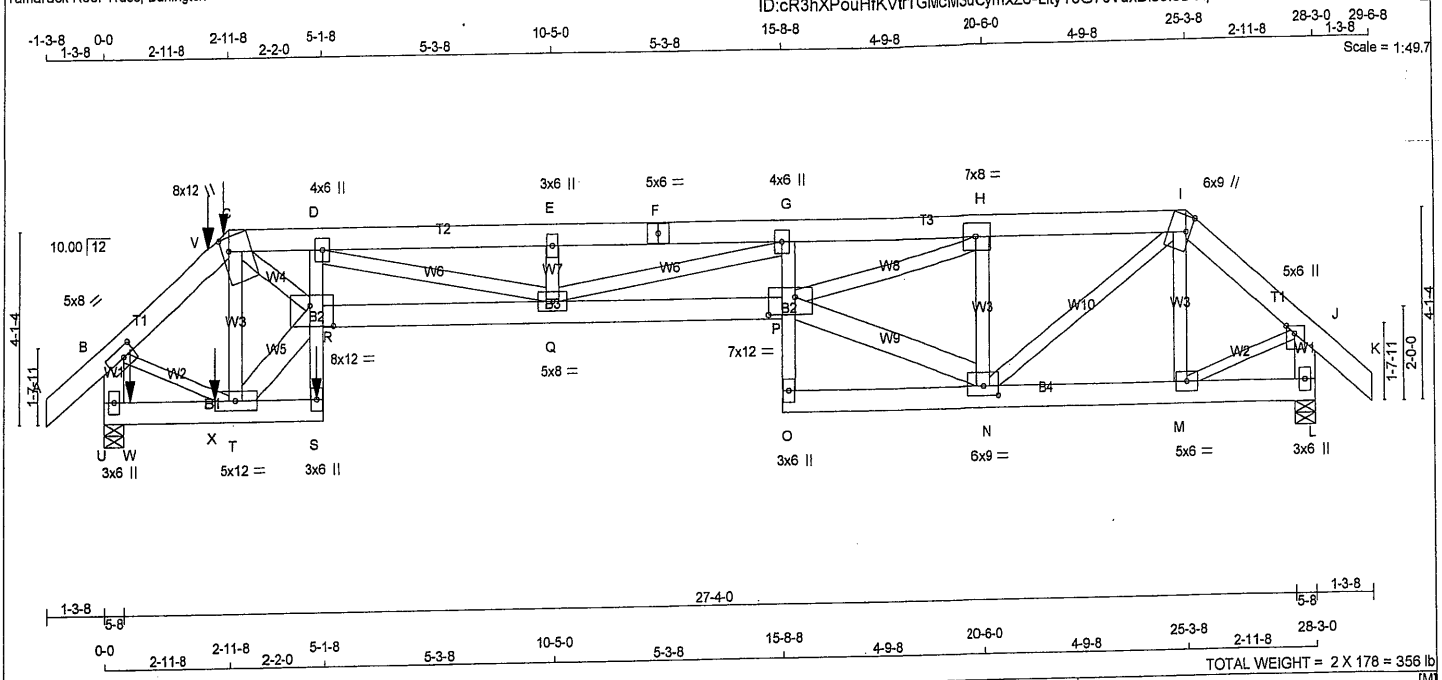

TOTAL WEIGHT = 2 X 178 = 356 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	No.2	SPF
C - F	2x6	DRY	No.2	SPF
F - I	2x6	DRY	No.2	SPF
I - K	2x6	DRY	No.2	SPF
U - B	2x6	DRY	No.2	SPF
L - J	2x6	DRY	No.2	SPF
U - S	2x6	DRY	No.2	SPF
S - D	2x4	DRY	No.2	SPF
R - P	2x6	DRY	No.2	SPF
O - G	2x4	DRY	No.2	SPF
O - L	2x6	DRY	No.2	SPF
ALL WEBS	2x4	DRY	No.2	SPF
EXCEPT				
T - R	2x6	DRY	No.2	SPF
P - N	2x6	DRY	No.2	SPF
B - T	2x3	DRY	No.2	SPF
M - J	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	2	12	SIDE(122.0)
C- F	2	12	SIDE(61.0)
F- I	2	12	TOP
I- K	2	12	TOP
U- B	2	12	TOP
L- J	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
U- S	2	12	SIDE(183.1)
R- P	2	12	TOP
O- L	2	12	TOP
S- D	1	5	SIDE(315.6)
G- O	1	12	TOP
WEBS : (0.122"X3") SPIRAL NAILS			
2x3	1	6	
2x4	1	6	
2x6	2	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	8.0	2.50	3.25
C	TTWW+m	MT20	8.0	12.0	3.50	2.00
D	TMVW+p	MT20	4.0	6.0		
E	TMW+w	MT20	3.0	6.0		
F	TS-t	MT20	5.0	6.0		
G	TMVW+p	MT20	4.0	6.0		
H	TMWW-t	MT20	7.0	8.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
U	3977	0	3977	0	0	5-8	5-8
L	2486	0	2486	0	0	5-8	5-8

ALLOW FOR 0.3" OF HORIZONTAL MOVEMENT DUE TO TOTAL LOAD ok

UNFACTORED REACTIONS

MAX./MIN. COMPONENT REACTIONS

JT	1ST LCASE COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	3132	1878 / 0	543 / 0	0 / 0	0 / 0	711 / 0	0 / 0
L	1958	1174 / 0	340 / 0	0 / 0	0 / 0	444 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.32 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 52	-112.4	-112.4	0.05 (1)	10.00	
B- V	-3852 / 0	-112.4	-112.4	0.08 (1)	5.70	
V- C	-3852 / 0	-112.4	-112.4	0.08 (1)	5.70	
C- D	-9822 / 0	-112.4	-112.4	0.22 (1)	3.78	
D- E	-11488 / 0	-112.4	-112.4	0.41 (1)	3.35	
E- F	-11488 / 0	-112.4	-112.4	0.44 (1)	3.32	
F- G	-11488 / 0	-112.4	-112.4	0.44 (1)	3.32	
G- H	-10843 / 0	-112.4	-112.4	0.33 (1)	3.52	
H- I	-3837 / 0	-112.4	-112.4	0.15 (1)	5.63	
I- J	-2315 / 0	-112.4	-112.4	0.05 (1)	6.25	
J- K	0 / 52	-112.4	-112.4	0.05 (1)	10.00	
U- B	-3930 / 0	0.0	0.0	0.14 (1)	7.16	
L- J	-2456 / 0	0.0	0.0	0.09 (1)	7.81	
U- W	0 / 0	-28.0	-28.0	0.05 (2)	10.00	
W- X	0 / 0	-28.0	-28.0	0.05 (2)	10.00	
X- T	0 / 0	-28.0	-28.0	0.05 (2)	10.00	
T- S	0 / 109	-28.0	-28.0	0.05 (1)	10.00	
S- R	0 / 1639	0.0	0.0	0.31 (1)	10.00	
R- D	-574 / 0	0.0	0.0	0.17 (1)	7.81	
R- Q	0 / 9960	-28.0	-28.0	0.77 (1)	10.00	
Q- P	0 / 11035	-28.0	-28.0	0.84 (1)	10.00	
O- P	0 / 95	0.0	0.0	0.24 (1)	10.00	
P- G	-503 / 0	0.0	0.0	0.23 (1)	7.81	
O- N	0 / 151	-28.0	-28.0	0.05 (3)	10.00	
N- M	0 / 1747	-28.0	-28.0	0.13 (1)	10.00	
M- L	0 / 0	-28.0	-28.0	0.02 (3)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
T- C	-3816 / 0	0.33 (1)
T- R	0 / 4016	0.26 (1)
C- R	0 / 8841	0.78 (1)
D- Q	0 / 1597	0.14 (1)
Q- E	-733 / 0	0.04 (1)
Q- G	0 / 474	0.04 (1)
P- N	0 / 4122	0.27 (1)
P- H	0 / 7303	0.65 (1)
N- H	-3095 / 0	0.26 (1)
N- I	0 / 2642	0.23 (1)
M- I	-517 / 0	0.04 (1)
B- T	0 / 3160	0.39 (1)
M- J	0 / 1878	0.23 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR	TYPE
C	2-11-8	-33	-36	—	FRONT	VERT	DEAD
C	2-11-8	-206	-206	—	FRONT	VERT	SNOW
S	4-11-12	-1678	-1678	—	FRONT	VERT	TOTAL
V	2-7-4	-172	-172	—	FRONT	VERT	TOTAL
W	7-4	-45	-80	—	FRONT	VERT	TOTAL
X	2-7-4	-40	-70	—	FRONT	VERT	TOTAL

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DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.94")
CALCULATED VERT. DEFL.(LL) = L/ 876 (0.39")
ALLOWABLE DEFL.(TL)= L/360 (0.94")
CALCULATED VERT. DEFL.(TL) = L/ 538 (0.63")

CSI: TC=0.44/1.00 (E-G:1) , BC=0.84/1.00 (P-Q:1) , WB=0.78/1.00 (C-R:1) , SSI=0.13/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (R) (INPUT = 0.90)
JSI METAL= 0.68 (P) (INPUT = 1.00) pok

DWG NO. TAM 108898
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286844	T26S	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

ID:cR3hXPouHfKVtr1GMcM3ucymxZo-LltyToG70vuxBis6ieDcqLz7eM5hJcAwhTN29VzSA3

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
I	TTWW+m	MT20	6.0	9.0	4.00	1.25
J	TMVW+p	MT20	5.0	6.0	2.00	2.25
L	BMV1+p	MT20	3.0	6.0		
M	BMWW-t	MT20	5.0	6.0		
N	BMWWW-t	MT20	6.0	9.0	2.50	4.50
O	BMV+p	MT20	3.0	6.0		
P	BVMWW-l	MT20	7.0	12.0	4.50	7.25
Q	BMWWW-t	MT20	5.0	8.0		
R	BVMWW-l	MT20	8.0	12.0	5.25	6.50
S	BMV+p	MT20	3.0	6.0		
T	BMWWW-t	MT20	5.0	12.0		
U	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 238.0 lbs FACTORED DOWN AT 2-11-8, AND 171.8 lbs FACTORED DOWN AT 2-7-4 ON TOP CHORD, AND 79.6 lbs FACTORED DOWN AT 7-4, AND 69.9 lbs FACTORED DOWN AT 2-7-4, AND 1677.5 lbs FACTORED DOWN AT 4-11-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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41016
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DWG NO. TAM 10589-18
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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286844	T27S	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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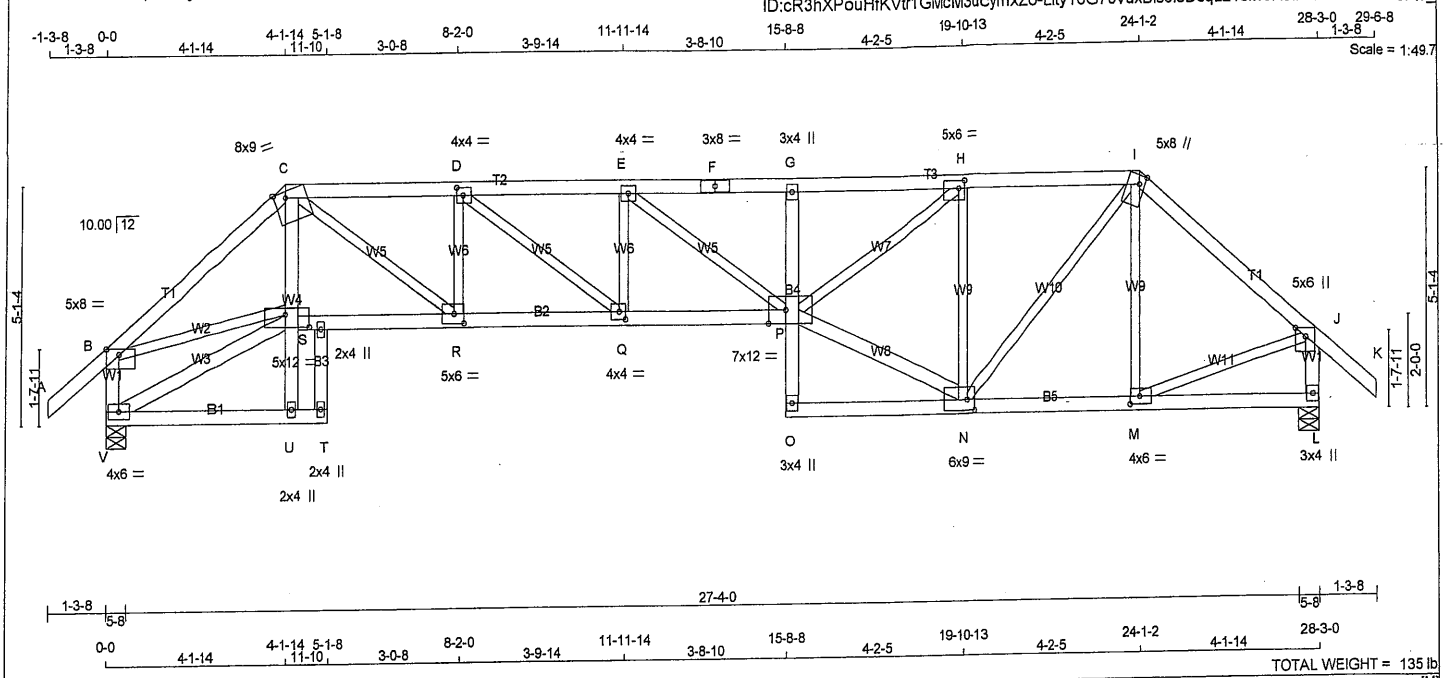

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - F	2x4	DRY	No.2	SPF
F - I	2x4	DRY	No.2	SPF
I - K	2x4	DRY	No.2	SPF
V - B	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
V - T	2x4	DRY	No.2	SPF
S - P	2x4	DRY	No.2	SPF
O - G	2x4	DRY	No.2	SPF
O - L	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
U - C	2x4	DRY	No.2	SPF
P - N	2x4	DRY	No.2	SPF
V - S	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	1.50	3.50
C	TTWW-m	MT20	8.0	9.0	Edge	3.25
D	TMWW-t	MT20	4.0	4.0	2.00	1.75
E	TMWW-t	MT20	4.0	4.0		
F	TS-t	MT20	3.0	8.0		
G	TMV+p	MT20	3.0	4.0		
H	TMWW-t	MT20	5.0	6.0	2.00	1.75
I	TTWW+m	MT20	5.0	8.0	2.25	1.50
J	TMVW+p	MT20	5.0	6.0	Edge	2.75
L	BMV1+p	MT20	3.0	4.0		
M	BMWW-t	MT20	4.0	6.0	2.00	2.75
N	BMWWW-t	MT20	6.0	9.0	2.75	2.50
O	BMV+p	MT20	3.0	4.0		
P	BVMWWW-l	MT20	7.0	12.0	Edge	4.75
Q	BMWW-t	MT20	4.0	4.0	2.00	1.75
R	BMWW-t	MT20	5.0	6.0	2.50	2.75
S	BWMWW*-l	MT20	5.0	12.0	3.25	6.50
T	NP+w	MT20	2.0	4.0		
U	BMW+w	MT20	2.0	4.0		
V	BMVW1-t	MT20	4.0	6.0		
W	NP+w	MT20	2.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
L	2143	0	2143	0	0	5-8	5-8
V	2162	0	2162	0	0	5-8	5-8

ALLOW FOR 0.3" OF HORIZONTAL MOVEMENT DUE TO TOTAL LOAD. OK

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1693	1007 / 0	300 / 0	0 / 0	0 / 0	386 / 0	0 / 0
V	1717	1007 / 0	314 / 0	0 / 0	0 / 0	395 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.69 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

MAX. UNBRACED INTERIOR CHORD LENGTH = 10.00 FT

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00
B- C	-3304 / 0	-112.4	-112.4	0.57 (1)	3.37
C- D	-4183 / 0	-112.4	-112.4	0.47 (1)	3.09
D- E	-4929 / 0	-112.4	-112.4	0.54 (1)	2.78
E- F	-4954 / 0	-112.4	-112.4	0.50 (1)	2.83
F- G	-4954 / 0	-112.4	-112.4	0.50 (1)	2.83
G- H	-4912 / 0	-112.4	-112.4	0.63 (1)	2.69
H- I	-2465 / 0	-112.4	-112.4	0.37 (1)	4.02
I- J	-1944 / 0	-112.4	-112.4	0.43 (1)	4.38
J- K	0 / 50	-112.4	-112.4	0.15 (1)	10.00
V- B	-2089 / 0	0.0	0.0	0.22 (1)	5.86
L- J	-2095 / 0	0.0	0.0	0.22 (1)	5.85
V- U	0 / 27	-28.0	-28.0	0.16 (3)	10.00
U- T	0 / 0	-28.0	-28.0	0.02 (3)	10.00
S- R	0 / 2555	-28.0	-28.0	0.48 (1)	10.00
R- Q	0 / 4183	-28.0	-28.0	0.73 (1)	10.00
Q- P	0 / 4929	-28.0	-28.0	0.86 (1)	10.00
O- P	0 / 82	0.0	0.0	0.17 (1)	10.00
P- G	-410 / 0	0.0	0.0	0.16 (1)	7.81
O- N	0 / 58	-28.0	-28.0	0.12 (3)	10.00
N- M	0 / 1482	-28.0	-28.0	0.30 (1)	10.00
M- L	0 / 0	-28.0	-28.0	0.12 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
U- S	0 / 145	0.10 (1)
S- C	0 / 546	0.18 (1)
P- N	0 / 2711	0.44 (1)
P- H	0 / 2942	0.66 (1)
N- H	-2205 / 0	0.85 (1)
N- I	0 / 1506	0.34 (1)
M- I	-328 / 11	0.13 (1)
M- J	0 / 1558	0.35 (1)
V- S	-30 / 0	0.01 (1)
B- S	0 / 2567	0.58 (1)
Q- E	-445 / 0	0.08 (1)
R- D	-1015 / 0	0.18 (1)
C- R	0 / 1983	0.45 (1)
D- Q	0 / 926	0.21 (1)
E- P	-19 / 31	0.01 (3)

LICENSED PROFESSIONAL ENGINEER
41016
S KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.94")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.33")
ALLOWABLE DEFL.(TL)= L/360 (0.94")
CALCULATED VERT. DEFL.(TL) = L/ 624 (0.54")

CSI: TC=0.63/1.00 (G-H:1) , BC=0.86/1.00 (P-Q:1) , WB=0.85/1.00 (H-N:1) , SSI=0.22/1.00 (H-I:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (B) (INPUT = 0.90)
JSI METAL= 0.63 (P) (INPUT = 1.00)

DWG NO. TAM 18590-18
STRUCTURAL
COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286844	T28	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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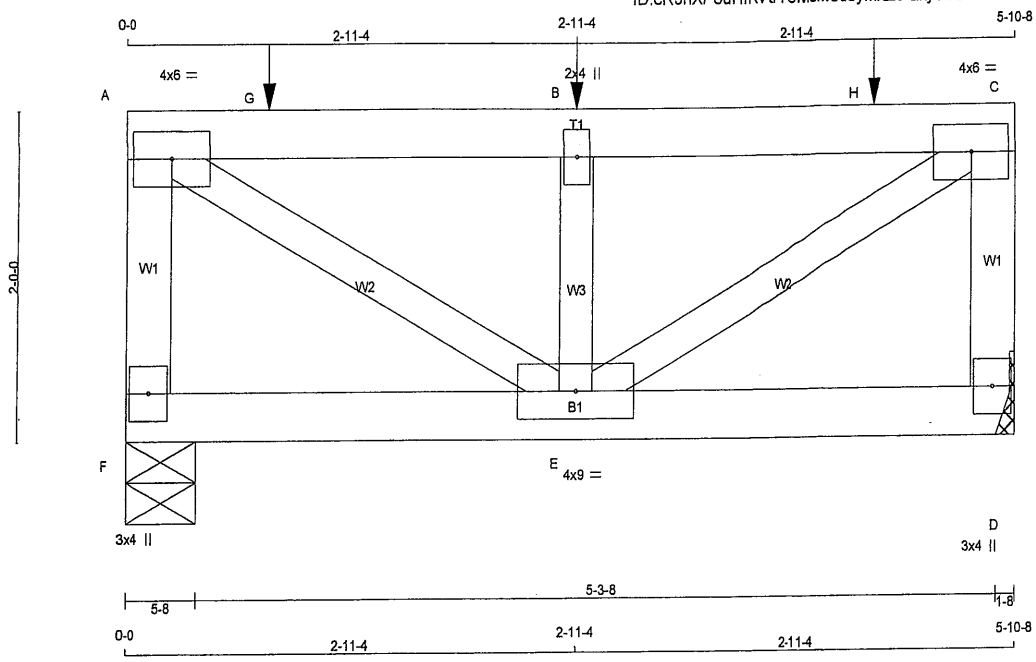

TOTAL WEIGHT = 2 X 23 = 45 lb [M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
F - A	2x4	DRY	No.2	SPF
A - C	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

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
F- A	1	12	TOP
A- C	1	12	SIDE(61.0)
C- D	1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
F- D	1	12	TOP
WEBS : (0.122"X3") SPIRAL NAILS			
B- E	1	2	SIDE(226.4)
2x3	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	4.0	6.0		
B	TMW+w	MT20	2.0	4.0		
C	TMVW-t	MT20	4.0	6.0		
D	BMV1+p	MT20	3.0	4.0		
E	BMWWW-t	MT20	4.0	9.0		
F	BMV1+p	MT20	3.0	4.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 249.7 lbs FACTORED DOWN AT 11-4, AND 1101.7 lbs FACTORED DOWN AT 2-11-4, AND 822.1 lbs FACTORED DOWN AT 4-11-4 ON TOP CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
F	1304	0	1304	0	0	5-8	5-8
D	1694	0	1694	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	1023	620 / 0	172 / 0	0 / 0	0 / 0	231 / 0	0 / 0
D	1340	794 / 0	238 / 0	0 / 0	0 / 0	307 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.00 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
F- A	-1248 / 0	0.0	0.0	0.07 (1)	7.81	
A- G	-1727 / 0	-112.4	-112.4	0.19 (1)	6.25	
G- B	-1727 / 0	-112.4	-112.4	0.19 (1)	6.25	
B- H	-1727 / 0	-112.4	-112.4	0.38 (1)	6.00	
H- C	-1727 / 0	-112.4	-112.4	0.38 (1)	6.00	
D- C	-1638 / 0	0.0	0.0	0.09 (1)	7.81	
F- E	0 / 0	-28.0	-28.0	0.04 (1)	10.00	
E- D	0 / 0	-28.0	-28.0	0.04 (1)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- E	0 / 1997	0.22 (1)
E- B	-1956 / 0	0.14 (1)
E- C	0 / 1997	0.22 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
B	2-11-4	-1102	-1102	---	BACK	VERT	TOTAL
G	11-4	-250	-250	---	TOP	VERT	TOTAL
H	4-11-4	-822	-822	---	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
41076
S. KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.01")
ALLOWABLE DEFL.(TL)= L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.02")

CSI: TC=0.38/1.00 (B-C:1) , BC=0.04/1.00 (E-F:1) , WB=0.22/1.00 (A-E:1) , SSI=0.25/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.80 (B) (INPUT = 0.90)
JSI METAL= 0.28 (B) (INPUT = 1.00)

DWG NO. TAM 1 0591 -18
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286846	T30	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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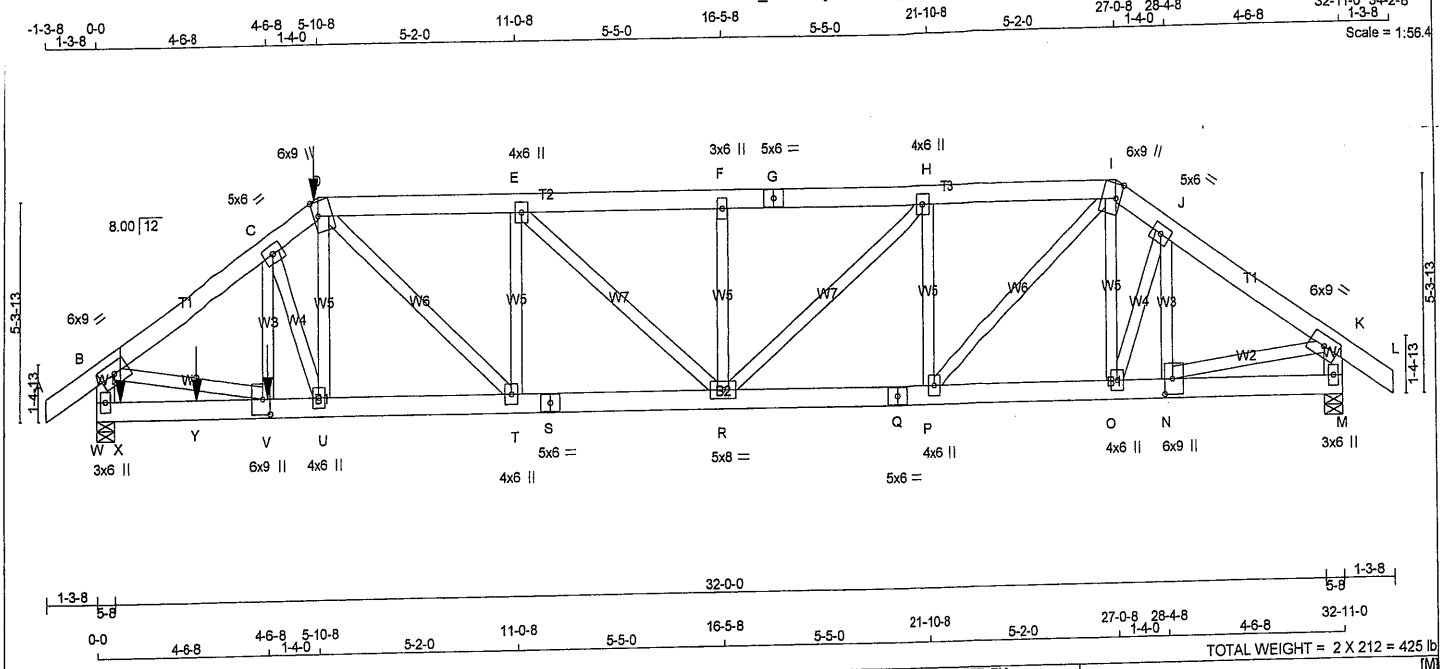

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x6	DRY	No.2	SPF
D - G	2x6	DRY	No.2	SPF
G - I	2x6	DRY	No.2	SPF
I - L	2x6	DRY	No.2	SPF
W - B	2x6	DRY	No.2	SPF
M - K	2x6	DRY	No.2	SPF
W - S	2x6	DRY	No.2	SPF
S - Q	2x6	DRY	No.2	SPF
Q - M	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- D	2	12	SIDE(122.0)
D- G	2	12	SIDE(61.0)
G- I	2	12	TOP
I- L	2	12	TOP
W- B	2	12	TOP
M- K	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
W- S	2	12	SIDE(183.1)
S- Q	2	12	TOP
Q- M	2	12	TOP
WEBS : (0.122"X3") SPIRAL NAILS			
2x4	1	6	
C- V	1	2	SIDE(849.8)
J- N	1	2	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	6.0	9.0		
C	TMWW-t	MT20	5.0	6.0		
D	TTWW+m	MT20	6.0	9.0	4.25	1.50
E	TMWW+t	MT20	4.0	6.0		
F	TMW+w	MT20	3.0	6.0		
G	TS-t	MT20	5.0	6.0		
H	TMWW+t	MT20	4.0	6.0		
I	TTWW+m	MT20	6.0	9.0	4.25	1.50
J	TMWW-t	MT20	5.0	6.0		
K	TMVW-t	MT20	6.0	9.0		
M	BMV1+p	MT20	3.0	6.0		
N	BMWW+t	MT20	6.0	9.0	4.50	2.50
O, P, T, U						
O	BMWW+t	MT20	4.0	6.0		
Q	BS-t	MT20	5.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
W	6355	0	6355	0	0	5-8	5-8
M	3105	0	3105	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
W	4990	3017 / 0	849 / 0	0 / 0	0 / 0	1124 / 0	0 / 0
M	2442	1471 / 0	419 / 0	0 / 0	0 / 0	551 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.11 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 44	-112.4	-112.4	0.04 (1)	10.00	
B- C	-7947 / 0	-112.4	-112.4	0.24 (1)	4.11	
C- D	-6974 / 0	-112.4	-112.4	0.12 (1)	4.46	
D- E	-6399 / 0	-112.4	-112.4	0.17 (1)	4.59	
E- F	-6103 / 0	-112.4	-112.4	0.16 (1)	4.69	
F- G	-6103 / 0	-112.4	-112.4	0.17 (1)	4.68	
G- H	-6103 / 0	-112.4	-112.4	0.17 (1)	4.68	
H- I	-4990 / 0	-112.4	-112.4	0.14 (1)	5.10	
I- J	-3801 / 0	-112.4	-112.4	0.07 (1)	5.74	
J- K	-3665 / 0	-112.4	-112.4	0.11 (1)	5.77	
K- L	0 / 44	-112.4	-112.4	0.04 (1)	10.00	
W- B	-6149 / 0	0.0	0.0	0.22 (1)	5.97	
M- K	-3033 / 0	0.0	0.0	0.11 (1)	7.81	
W- X	0 / 0	-28.0	-28.0	0.14 (1)	10.00	
X- Y	0 / 0	-28.0	-28.0	0.14 (1)	10.00	
Y- V	0 / 0	-28.0	-28.0	0.14 (1)	10.00	
V- U	0 / 6595	-28.0	-28.0	0.57 (1)	10.00	
U- T	0 / 5890	-28.0	-28.0	0.44 (1)	10.00	
T- S	0 / 6399	-28.0	-28.0	0.45 (1)	10.00	
S- R	0 / 6399	-28.0	-28.0	0.45 (1)	10.00	
R- Q	0 / 4991	-28.0	-28.0	0.36 (1)	10.00	
Q- P	0 / 4991	-28.0	-28.0	0.36 (1)	10.00	
P- O	0 / 3095	-28.0	-28.0	0.23 (1)	10.00	
O- N	0 / 3063	-28.0	-28.0	0.23 (1)	10.00	
N- M	0 / 0	-28.0	-28.0	0.04 (2)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
V- C	0 / 2325	0.21 (1)
C- U	-2219 / 0	0.23 (1)
U- D	0 / 2564	0.23 (1)
D- T	0 / 697	0.06 (1)
T- E	-365 / 0	0.05 (1)
E- R	-398 / 0	0.14 (1)
R- F	-582 / 0	0.08 (1)
R- H	0 / 1495	0.13 (1)
P- H	-1637 / 0	0.22 (1)
P- I	0 / 2597	0.23 (1)
O- I	0 / 129	0.01 (2)
O- J	0 / 83	0.01 (1)
N- J	-606 / 0	0.06 (1)
B- V	0 / 6723	0.59 (1)
N- K	0 / 3122	0.28 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR	TYPE
D	5-10-8	-64	-71	—	FRONT	VERT	DEAD
D	5-10-8	-408	-408	—	FRONT	VERT	SNOW
V	4-6-8	-3959	-3959	—	BACK	VERT	TOTAL
X	7-4	-47	-81	—	BACK	VERT	TOTAL
Y	2-7-4	-41	-72	—	BACK	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER 4198 S KATSOULAKOS PROVINCE OF ONTARIO

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.12")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.20")

CSI: TC=0.24/1.00 (B-C:1) , BC=0.57/1.00 (U-V:1) , WB=0.59/1.00 (B-V:1) , SSI=0.13/1.00 (U-V:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (D) (INPUT = 0.90)
JSI METAL= 0.72 (V) (INPUT = 1.00)

DWG NO. TAM 18609-08
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286846	T30	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
R	BMWWW-t	MT20	5.0	8.0		
S	BS-t	MT20	5.0	6.0		
V	BMWW+t	MT20	6.0	9.0	4.50	2.50
W	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 471.8 lbs FACTORED DOWN AT 5-10-8 ON TOP CHORD, AND 81.4 lbs FACTORED DOWN AT 7-4, AND 71.7 lbs FACTORED DOWN AT 2-7-4, AND 3959.4 lbs FACTORED DOWN AT 4-6-8 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

LICENSED PROFESSIONAL ENGINEER
4197B
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18601-18
STRUCTURAL
COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286847	T30Z	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Jan 6 2018 MiTek Industries, Inc. Tue Apr 10 10:10:02 2018 Page 1

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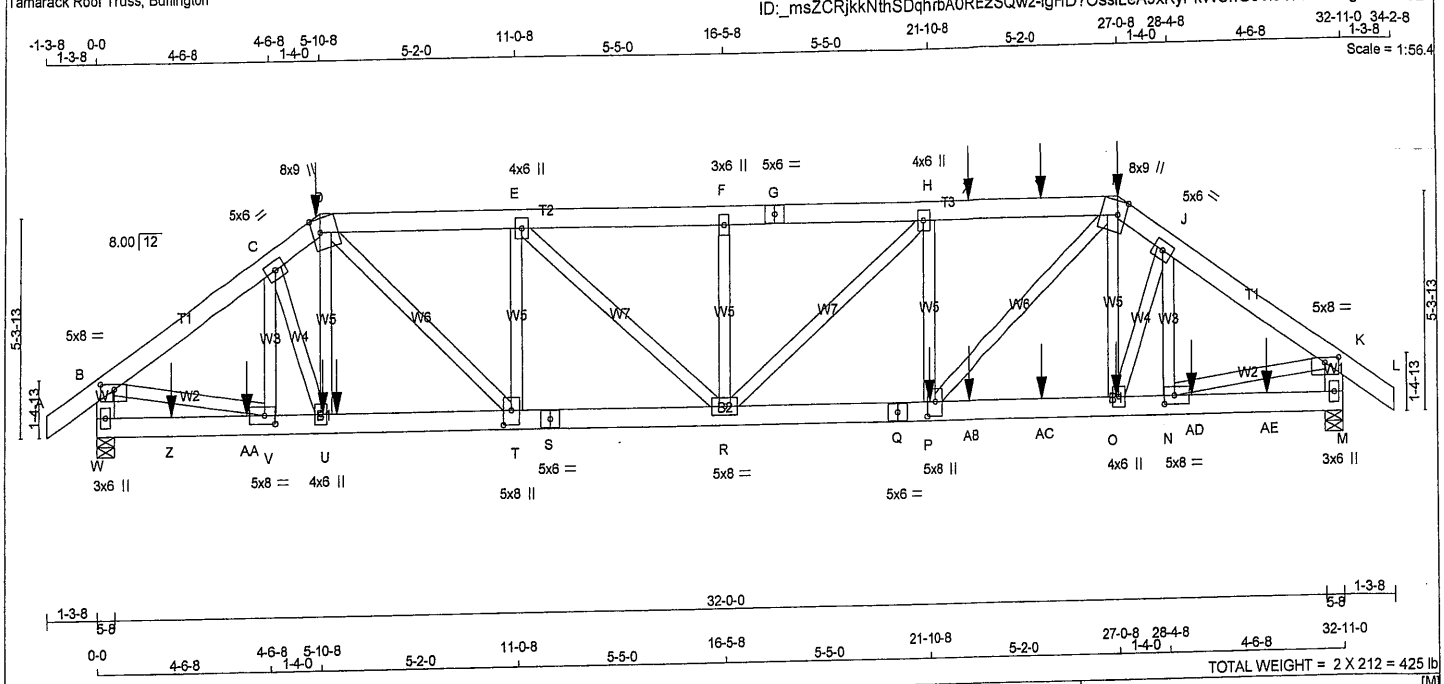

TOTAL WEIGHT = 2 X 212 = 425 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x6	DRY	No.2	SPF
D - G	2x6	DRY	No.2	SPF
G - I	2x6	DRY	No.2	SPF
I - L	2x6	DRY	No.2	SPF
W - B	2x6	DRY	No.2	SPF
M - K	2x6	DRY	No.2	SPF
W - S	2x6	DRY	No.2	SPF
S - Q	2x6	DRY	No.2	SPF
Q - M	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- D	2	12	SIDE(122.0)
D- G	2	12	SIDE(61.0)
G- I	2	12	SIDE(61.0)
I- L	2	12	SIDE(122.0)
W- B	2	12	TOP
M- K	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
W- S	2	12	SIDE(183.1)
S- Q	2	12	SIDE(0.1)
Q- M	2	12	SIDE(183.1)
WEBS : (0.122"X3") SPIRAL NAILS			
U- D	1	6	SIDE(424.2)
2x4	1	6	
H- P	1	6	SIDE(413.6)

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	1.50	4.25
C	TMWW-t	MT20	5.0	6.0		
D	TTWW+m	MT20	8.0	9.0	Edge	2.50
E	TMWW+t	MT20	4.0	6.0		
F	TMW+w	MT20	3.0	6.0		
G	TS-t	MT20	5.0	6.0		
H	TMWW+t	MT20	4.0	6.0		
I	TTWW+m	MT20	8.0	9.0	Edge	2.50
J	TMWW-t	MT20	5.0	6.0		
K	TMVW-p	MT20	5.0	8.0	1.50	4.25
M	BMV1+p	MT20	3.0	6.0		
N	BMWW-t	MT20	5.0	8.0	2.50	3.25
O	BMWW+t	MT20	4.0	6.0		
P	BMWW+t	MT20	5.0	8.0	4.25	2.50
Q	BS-t	MT20	5.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
W	5977	0	5977	0	0	5-8	5-8
M	5441	0	5441	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
W	4702	2826 / 0	809 / 0	0 / 0	0 / 0	1068 / 0	0 / 0
M	4288	2564 / 0	747 / 0	0 / 0	0 / 0	978 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.77 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FROM	TO	FACTORED VERT. LOAD (PLF)	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 44	-112.4	-112.4	0.04 (1)			10.00
B- C	-7576 / 0	-112.4	-112.4	0.20 (1)			4.24
C- D	-7877 / 0	-112.4	-112.4	0.09 (1)			4.27
D- E	-8267 / 0	-112.4	-112.4	0.22 (1)			4.08
E- F	-9160 / 0	-112.4	-112.4	0.24 (1)			3.89
F- G	-9160 / 0	-112.4	-112.4	0.26 (1)			3.88
G- H	-9160 / 0	-112.4	-112.4	0.26 (1)			3.88
H- X	-9246 / 0	-112.4	-112.4	0.33 (1)			3.77
X- Y	-9246 / 0	-112.4	-112.4	0.33 (1)			3.77
Y- I	-9246 / 0	-112.4	-112.4	0.33 (1)			3.77
I- J	-7172 / 0	-112.4	-112.4	0.09 (1)			4.44
J- K	-6847 / 0	-112.4	-112.4	0.17 (1)			4.46
K- L	0 / 44	-112.4	-112.4	0.04 (1)			10.00
W- B	-5865 / 0	0.0	0.0	0.21 (1)			6.09
M- K	-5328 / 0	0.0	0.0	0.19 (1)			6.34
W- Z	0 / 0	-28.0	-28.0	0.08 (2)			10.00
Z-AA	0 / 0	-28.0	-28.0	0.08 (2)			10.00
AA- V	0 / 0	-28.0	-28.0	0.08 (2)			10.00
V- U	0 / 6300	-28.0	-28.0	0.43 (1)			10.00
U- T	0 / 6567	-28.0	-28.0	0.46 (1)			10.00
T- S	0 / 8267	-28.0	-28.0	0.57 (1)			10.00
S- R	0 / 8267	-28.0	-28.0	0.57 (1)			10.00
R- Q	0 / 9246	-28.0	-28.0	0.66 (1)			10.00
Q- P	0 / 9246	-28.0	-28.0	0.66 (1)			10.00
P-AB	0 / 5890	-28.0	-28.0	0.44 (1)			10.00
AB-AC	0 / 5890	-28.0	-28.0	0.44 (1)			10.00
AC- O	0 / 5890	-28.0	-28.0	0.44 (1)			10.00
O- N	0 / 5704	-28.0	-28.0	0.43 (1)			10.00
N-AD	0 / 0	-28.0	-28.0	0.08 (2)			10.00
AD-AE	0 / 0	-28.0	-28.0	0.08 (2)			10.00
AE- M	0 / 0	-28.0	-28.0	0.08 (2)			10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
V- C	-1116 / 0	0.11 (1)
C- U	0 / 599	0.05 (1)
U- D	0 / 1852	0.16 (1)
D- T	0 / 2328	0.21 (1)
T- E	-1422 / 0	0.19 (1)
E- R	0 / 1200	0.11 (1)
R- F	-569 / 0	0.08 (1)
R- H	-115 / 0	0.04 (1)
P- H	-717 / 0	0.10 (1)
P- I	0 / 4596	0.41 (1)
O- I	-151 / 184	0.02 (1)
O- J	0 / 541	0.05 (1)
N- J	-1135 / 0	0.11 (1)
B- V	0 / 6422	0.57 (1)
N- K	0 / 5814	0.51 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
D	5-10-8	-634	-634	—	FRONT	VERT	TOTAL
I	27-0-8	-634	-634	—	FRONT	VERT	TOTAL
O	26-11-12	-41	-72	—	FRONT	VERT	TOTAL
P	21-10-8	-2287	-2287	—	FRONT	VERT	TOTAL
U	5-11-4	-41	-72	—	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.18")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.29")

CSI: TC=0.33/1.00 (H-I:1) , BC=0.66/1.00 (P-R:1) , WB=0.57/1.00 (B-V:1) , SSI=0.17/1.00 (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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

(S) GRIP= 0.89 (B) (INPUT = 0.90)
(S) METAL= 0.73 (Q) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
41078
S KATSOULAKOS
PROVINCE OF ONTARIO

pb 1/2

DWG NO. TAM 18624.02
STRUCTURAL COMPONENT ONLY.

CONTINUED ON PAGE 2

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286847	T30Z	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

Version 8.200 S Jan 6 2018 MiTek Industries, Inc. Tue Apr 10 10:10:02 2018 Page 2
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PLATES (table is in Inches)

JT	TYPE	PLATES	W	LEN	Y	X
R	BMWWW-t	MT20	5.0	8.0		
S	BS-t	MT20	5.0	6.0		
T	BMWW+t	MT20	5.0	8.0	4.25	2.50
U	BMWW+t	MT20	4.0	6.0		
V	BMWW-t	MT20	5.0	8.0	2.50	3.25
W	BMV1+p	MT20	3.0	6.0		

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

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 634.1 lbs FACTORED DOWN AT 5-10-8, 135.3 lbs FACTORED DOWN AT 22-11-12, AND 135.3 lbs FACTORED DOWN AT 24-11-12, AND 634.1 lbs FACTORED DOWN AT 27-0-8 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, 2286.9 lbs FACTORED DOWN AT 6-3-8, 2286.9 lbs FACTORED DOWN AT 21-10-8, 71.7 lbs FACTORED DOWN AT 22-11-12, 71.7 lbs FACTORED DOWN AT 24-11-12, 71.7 lbs FACTORED DOWN AT 26-11-12, AND 87.4 lbs FACTORED DOWN AT 28-11-12, AND 87.4 lbs FACTORED DOWN AT 30-11-12 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
U	6-3-8	-2287	-2287	—	FRONT	VERT	TOTAL
X	22-11-12	-135	-135	—	FRONT	VERT	TOTAL
Y	24-11-12	-135	-135	—	FRONT	VERT	TOTAL
Z	1-11-4	-50	-87	—	FRONT	VERT	TOTAL
AA	3-11-4	-50	-87	—	FRONT	VERT	TOTAL
AB	22-11-12	-41	-72	—	FRONT	VERT	TOTAL
AC	24-11-12	-41	-72	—	FRONT	VERT	TOTAL
AD	28-11-12	-50	-87	—	FRONT	VERT	TOTAL
AE	30-11-12	-50	-87	—	FRONT	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
4107B
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18624 P62 R8
STRUCTURAL
COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
296845	T30Z2	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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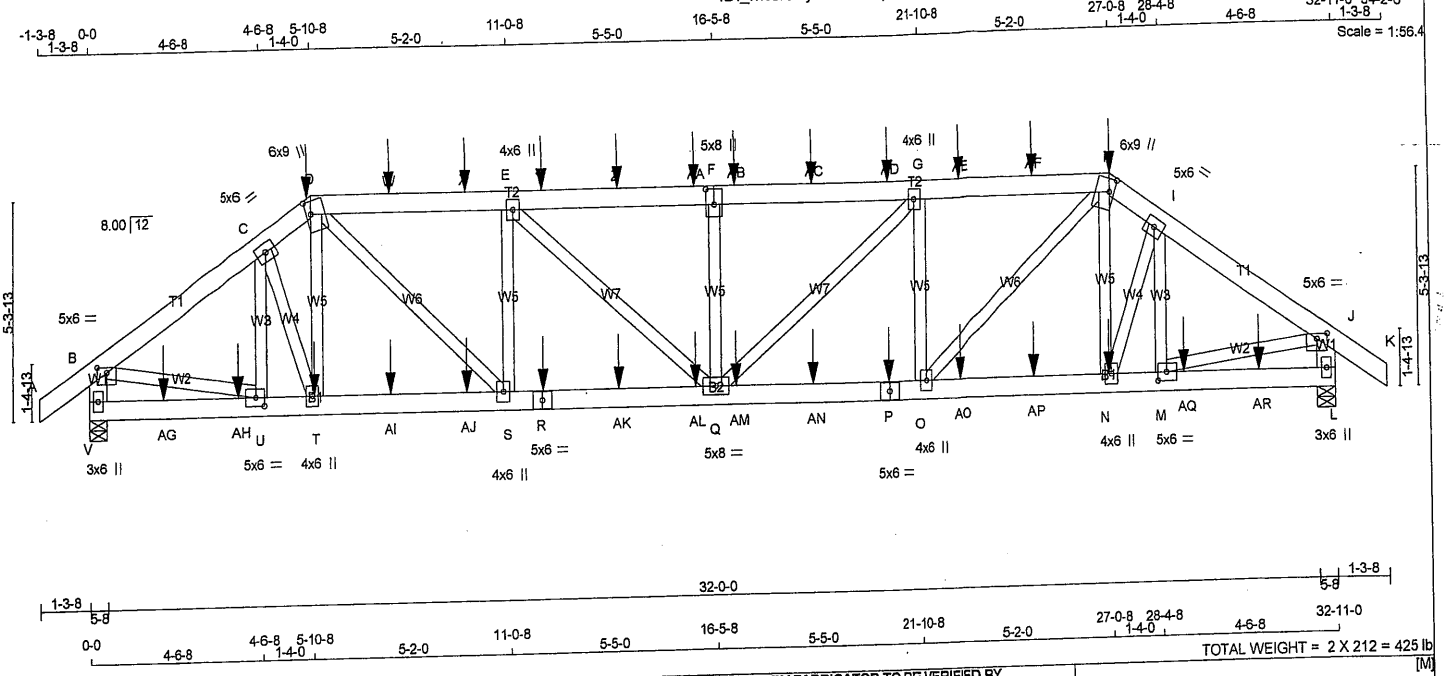

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x6	DRY	No.2	SPF
D - F	2x6	DRY	No.2	SPF
F - H	2x6	DRY	No.2	SPF
H - K	2x6	DRY	No.2	SPF
V - B	2x6	DRY	No.2	SPF
L - J	2x6	DRY	No.2	SPF
V - R	2x6	DRY	No.2	SPF
R - P	2x6	DRY	No.2	SPF
P - L	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- D	2	12	SIDE(122.0)
D- F	2	12	SIDE(61.0)
F- H	2	12	SIDE(61.0)
H- K	2	12	SIDE(122.0)
V- B	2	12	TOP
L- J	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
V- R	2	12	SIDE(183.1)
R- P	2	12	SIDE(0.0)
P- L	2	12	SIDE(183.1)
WEBS : (0.122"X3") SPIRAL NAILS			
2x4	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.50	3.00
C	TMWW-t	MT20	5.0	6.0		
D	TTWW+m	MT20	6.0	9.0	3.75	1.50
E	TMWW+t	MT20	4.0	6.0		
F	TSW+l	MT20	5.0	8.0	4.50	2.50
G	TMWW+t	MT20	4.0	6.0		
H	TTWW+m	MT20	6.0	9.0	3.75	1.50
I	TMWW-t	MT20	5.0	6.0		
J	TMVW-p	MT20	5.0	6.0	1.50	3.00
L	BMV1+p	MT20	3.0	6.0		
M	BMWW-t	MT20	5.0	6.0	2.50	2.75
N, O, S, T						
N	BMWW+t	MT20	4.0	6.0		
P	BS-t	MT20	5.0	6.0		
Q	BMWWW-t	MT20	5.0	8.0		
R	BS-t	MT20	5.0	6.0		
U	BMWW-t	MT20	5.0	6.0	2.50	2.75

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
V	4127	0	4127	0	0	5-8	5-8
L	4127	0	4127	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
V	3282	1914 / 0	605 / 0	0 / 0	0 / 0	763 / 0	0 / 0
L	3282	1914 / 0	605 / 0	0 / 0	0 / 0	763 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.32 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 44	-112.4	-112.4	0.04 (1)	10.00
B- C	-5037 / 0	-112.4	-112.4	0.13 (1)	5.08
C- D	-5227 / 0	-112.4	-112.4	0.07 (1)	5.07
D- W	-6322 / 0	-112.4	-112.4	0.24 (1)	4.53
W- X	-6322 / 0	-112.4	-112.4	0.24 (1)	4.53
X- E	-6322 / 0	-112.4	-112.4	0.24 (1)	4.53
E- Y	-7030 / 0	-112.4	-112.4	0.26 (1)	4.32
Y- Z	-7030 / 0	-112.4	-112.4	0.26 (1)	4.32
Z-AA	-7030 / 0	-112.4	-112.4	0.26 (1)	4.32
AA- F	-7030 / 0	-112.4	-112.4	0.26 (1)	4.32
F-AB	-7030 / 0	-112.4	-112.4	0.26 (1)	4.32
AB-AC	-7030 / 0	-112.4	-112.4	0.26 (1)	4.32
AC-AD	-7030 / 0	-112.4	-112.4	0.26 (1)	4.32
AD- G	-7030 / 0	-112.4	-112.4	0.26 (1)	4.32
G-AE	-6322 / 0	-112.4	-112.4	0.24 (1)	4.53
AE-AF	-6322 / 0	-112.4	-112.4	0.24 (1)	4.53
AF- H	-6322 / 0	-112.4	-112.4	0.24 (1)	4.53
H- I	-5227 / 0	-112.4	-112.4	0.07 (1)	5.07
I- J	-5037 / 0	-112.4	-112.4	0.13 (1)	5.08
J- K	0 / 44	-112.4	-112.4	0.04 (1)	10.00
V- B	-4023 / 0	0.0	0.0	0.14 (1)	7.09
L- J	-4023 / 0	0.0	0.0	0.14 (1)	7.09
V-AG	0 / 0	-28.0	-28.0	0.08 (2)	10.00
AG-AH	0 / 0	-28.0	-28.0	0.08 (2)	10.00
AH- U	0 / 0	-28.0	-28.0	0.08 (2)	10.00
U- T	0 / 4201	-28.0	-28.0	0.30 (1)	10.00
T-AI	0 / 4281	-28.0	-28.0	0.31 (1)	10.00
AI-AJ	0 / 4281	-28.0	-28.0	0.31 (1)	10.00
AJ- S	0 / 4281	-28.0	-28.0	0.31 (1)	10.00
S- R	0 / 6322	-28.0	-28.0	0.46 (1)	10.00
R-AK	0 / 6322	-28.0	-28.0	0.46 (1)	10.00
AK-AL	0 / 6322	-28.0	-28.0	0.46 (1)	10.00
AL- Q	0 / 6322	-28.0	-28.0	0.46 (1)	10.00
Q-AM	0 / 6322	-28.0	-28.0	0.46 (1)	10.00
AM-AN	0 / 6322	-28.0	-28.0	0.46 (1)	10.00
AN- P	0 / 6322	-28.0	-28.0	0.46 (1)	10.00
P- O	0 / 6322	-28.0	-28.0	0.46 (1)	10.00
O-AO	0 / 4281	-28.0	-28.0	0.31 (1)	10.00
AO-AP	0 / 4281	-28.0	-28.0	0.31 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
U- C	-762 / 0	0.07 (1)
C- T	0 / 222	0.02 (1)
T- D	0 / 241	0.02 (3)
D- S	0 / 2797	0.25 (1)
S- E	-1661 / 0	0.23 (1)
E- Q	0 / 951	0.08 (1)
Q- F	-998 / 0	0.14 (1)
Q- G	0 / 951	0.08 (1)
Q- G	-1661 / 0	0.23 (1)
O- H	0 / 2797	0.25 (1)
N- H	0 / 241	0.02 (3)
N- I	0 / 222	0.02 (1)
M- I	-762 / 0	0.07 (1)
B- U	0 / 4282	0.38 (1)
M- J	0 / 4282	0.38 (1)

LICENSED PROFESSIONAL ENGINEER
41078
S KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.14")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.22")

CSI: TC=0.26/1.00 (E-F:1) , BC=0.46/1.00 (Q-S:1) , WB=0.38/1.00 (B-U:1) , SSI=0.18/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (U) (INPUT = 0.90)
JSI METAL= 0.52 (M) (INPUT = 1.00)

DWG NO. TAM / 0628-18
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
296845	T30Z2	1	2	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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ID: msZCRjkkNthSDqhrbA0REzSQw2-XZOOXB_BrwMzpEypMmhlytWqKdHwvBJODvi1j8zS9xc

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
V	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 634.1 lbs FACTORED DOWN AT 5-10-8, 135.3 lbs FACTORED DOWN AT 7-11-4, 135.3 lbs FACTORED DOWN AT 9-11-4, 135.3 lbs FACTORED DOWN AT 11-11-4, 135.3 lbs FACTORED DOWN AT 13-11-4, 135.3 lbs FACTORED DOWN AT 15-11-4, 135.3 lbs FACTORED DOWN AT 16-11-12, 135.3 lbs FACTORED DOWN AT 18-11-12, 135.3 lbs FACTORED DOWN AT 20-11-12, 135.3 lbs FACTORED DOWN AT 22-11-12, AND 135.3 lbs FACTORED DOWN AT 24-11-12, AND 634.1 lbs FACTORED DOWN AT 27-0-8 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, 71.7 lbs FACTORED DOWN AT 11-11-4, 71.7 lbs FACTORED DOWN AT 13-11-4, 71.7 lbs FACTORED DOWN AT 15-11-4, 71.7 lbs FACTORED DOWN AT 16-11-12, 71.7 lbs FACTORED DOWN AT 18-11-12, 71.7 lbs FACTORED DOWN AT 20-11-12, 71.7 lbs FACTORED DOWN AT 22-11-12, 71.7 lbs FACTORED DOWN AT 24-11-12, 71.7 lbs FACTORED DOWN AT 26-11-12, AND 87.4 lbs FACTORED DOWN AT 28-11-12, AND 87.4 lbs FACTORED DOWN AT 30-11-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)
AP- N	0 / 4281	-28.0	-28.0	0.31	(1)
N- M	0 / 4201	-28.0	-28.0	0.30	(1)
M-AQ	0 / 0	-28.0	-28.0	0.08	(2)
AQ-AR	0 / 0	-28.0	-28.0	0.08	(2)
AR- L	0 / 0	-28.0	-28.0	0.08	(2)

WEBS

MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
10.00			
10.00			
10.00			
10.00			
10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
D	5-10-8	-634	-634	—	FRONT	VERT	TOTAL
H	27-0-8	-634	-634	—	FRONT	VERT	TOTAL
N	26-11-12	-41	-72	—	FRONT	VERT	TOTAL
P	20-11-12	-41	-72	—	FRONT	VERT	TOTAL
R	11-11-4	-41	-72	—	FRONT	VERT	TOTAL
T	5-11-4	-41	-72	—	FRONT	VERT	TOTAL
W	7-11-4	-135	-135	—	FRONT	VERT	TOTAL
X	9-11-4	-135	-135	—	FRONT	VERT	TOTAL
Y	11-11-4	-135	-135	—	FRONT	VERT	TOTAL
Z	13-11-4	-135	-135	—	FRONT	VERT	TOTAL
AA	15-11-4	-135	-135	—	FRONT	VERT	TOTAL
AB	16-11-12	-135	-135	—	FRONT	VERT	TOTAL
AC	18-11-12	-135	-135	—	FRONT	VERT	TOTAL
AD	20-11-12	-135	-135	—	FRONT	VERT	TOTAL
AE	22-11-12	-135	-135	—	FRONT	VERT	TOTAL
AF	24-11-12	-135	-135	—	FRONT	VERT	TOTAL
AG	1-11-4	-50	-87	—	FRONT	VERT	TOTAL
AH	3-11-4	-50	-87	—	FRONT	VERT	TOTAL
AI	7-11-4	-41	-72	—	FRONT	VERT	TOTAL
AJ	9-11-4	-41	-72	—	FRONT	VERT	TOTAL
AK	13-11-4	-41	-72	—	FRONT	VERT	TOTAL
AL	15-11-4	-41	-72	—	FRONT	VERT	TOTAL
AM	16-11-12	-41	-72	—	FRONT	VERT	TOTAL
AN	18-11-12	-41	-72	—	FRONT	VERT	TOTAL
AO	22-11-12	-41	-72	—	FRONT	VERT	TOTAL
AP	24-11-12	-41	-72	—	FRONT	VERT	TOTAL
AQ	28-11-12	-50	-87	—	FRONT	VERT	TOTAL
AR	30-11-12	-50	-87	—	FRONT	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
4107B
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM / 0628.18
STRUCTURAL
COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286846	T30S	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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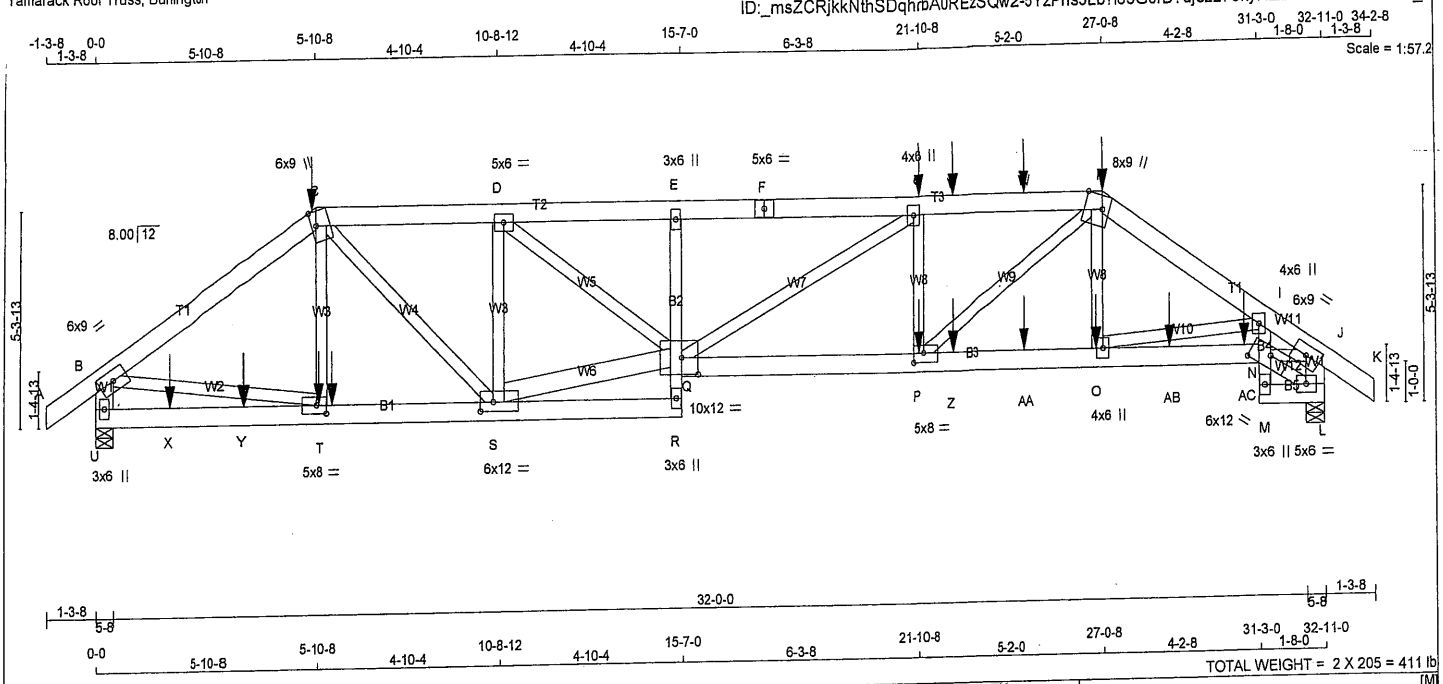

LUMBER

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 - K	2x6	DRY	No.2	SPF
U - B	2x6	DRY	No.2	SPF
L - J	2x6	DRY	No.2	SPF
U - R	2x6	DRY	No.2	SPF
R - E	2x4	DRY	No.2	SPF
Q - N	2x6	DRY	No.2	SPF
M - I	2x4	DRY	No.2	SPF
M - L	2x6	DRY	No.2	SPF
ALL WEBS	2x4	DRY	No.2	SPF
EXCEPT				
S - Q	2x6	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	2	12	SIDE(122.0)
C- F	2	12	SIDE(61.0)
F- H	2	12	SIDE(183.1)
H- K	2	12	SIDE(122.0)
U- B	2	12	TOP
L- J	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
U- R	2	12	SIDE(183.1)
Q- N	2	12	SIDE(183.1)
M- L	2	12	TOP
R- E	1	12	TOP
I- M	1	12	TOP
WEBS : (0.122"X3") SPIRAL NAILS			
T- C	1	5	SIDE(428.9)
2x4	1	6	
G- P	1	4	SIDE(397.6)
2x6	2	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	6.0	9.0		
C	TTWW+m	MT20	6.0	9.0	4.25	1.50
D	TMWW-t	MT20	5.0	6.0		
E	TMV+p	MT20	3.0	6.0		
F	TS-t	MT20	5.0	6.0		
G	TMWW+t	MT20	4.0	6.0		
H	TTWW+m	MT20	8.0	9.0	Edge 5.75	
I	TMVW+p	MT20	4.0	6.0		
J	TMVW-t	MT20	6.0	9.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
U	6065	0	6065	0	0	5-8	5-8
L	5735	0	5735	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	4780	2859 / 0	833 / 0	0 / 0	0 / 0	1088 / 0	0 / 0
L	4550	2673 / 0	828 / 0	0 / 0	0 / 0	1049 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 44	-112.4	-112.4	0.04 (1)	10.00	
B- C	-7993 / 0	-112.4	-112.4	0.31 (1)	4.05	
C- D	-8323 / 0	-112.4	-112.4	0.21 (1)	4.08	
D- E	-11646 / 0	-112.4	-112.4	0.30 (1)	3.44	
E- F	-11700 / 0	-112.4	-112.4	0.40 (1)	3.36	
F- G	-11700 / 0	-112.4	-112.4	0.40 (1)	3.36	
G- V	-12066 / 0	-112.4	-112.4	0.43 (1)	3.25	
V- W	-12066 / 0	-112.4	-112.4	0.43 (1)	3.25	
W- H	-12066 / 0	-112.4	-112.4	0.43 (1)	3.25	
H- I	-9276 / 0	-112.4	-112.4	0.29 (1)	3.78	
I- J	-8876 / 0	-112.4	-112.4	0.21 (1)	3.93	
J- K	0 / 44	-112.4	-112.4	0.04 (1)	10.00	
U- B	-5930 / 0	0.0	0.0	0.21 (1)	6.07	
L- J	-5546 / 0	0.0	0.0	0.20 (1)	6.23	
U- X	0 / 0	-28.0	-28.0	0.12 (2)	10.00	
X- Y	0 / 0	-28.0	-28.0	0.12 (2)	10.00	
Y- T	0 / 0	-28.0	-28.0	0.12 (2)	10.00	
T- S	0 / 6685	-28.0	-28.0	0.45 (1)	10.00	
S- R	0 / 205	-28.0	-28.0	0.05 (2)	10.00	
R- Q	0 / 103	0.0	0.0	0.16 (1)	10.00	
Q- E	-584 / 0	0.0	0.0	0.16 (1)	7.81	
Q- P	0 / 12066	-28.0	-28.0	0.85 (1)	10.00	
P- Z	0 / 7759	-28.0	-28.0	0.59 (1)	10.00	
Z-AA	0 / 7759	-28.0	-28.0	0.59 (1)	10.00	
AA- O	0 / 7759	-28.0	-28.0	0.59 (1)	10.00	
O-AB	0 / 7507	-28.0	-28.0	0.56 (1)	10.00	
AB-AC	0 / 7507	-28.0	-28.0	0.56 (1)	10.00	
AC- N	0 / 7507	-28.0	-28.0	0.56 (1)	10.00	
M- N	0 / 37	0.0	0.0	0.19 (1)	10.00	
N- I	-390 / 0	0.0	0.0	0.19 (1)	7.81	
M- L	0 / 298	-28.0	-28.0	0.02 (1)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
T- C	0 / 1547	0.14 (1)
C- S	0 / 2338	0.21 (1)
S- D	-3221 / 0	0.44 (1)
S- Q	0 / 8361	0.54 (1)
D- Q	0 / 4209	0.37 (1)
Q- G	-428 / 0	0.16 (1)
P- G	-737 / 5	0.07 (1)
P- H	0 / 5365	0.47 (1)
O- H	0 / 736	0.07 (1)
O- I	0 / 233	0.02 (1)
B- T	0 / 6711	0.59 (1)
N- L	-342 / 0	0.02 (1)
N- J	0 / 7262	0.64 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	5-10-8	-634	-634	---	FRONT	VERT	TOTAL
G	21-10-8	-110	-110	---	FRONT	VERT	TOTAL
H	27-0-8	-560	-560	---	FRONT	VERT	TOTAL
O	26-10-4	-123	-123	---	FRONT	VERT	TOTAL
P	21-10-8	-2226	-2226	---	FRONT	VERT	TOTAL
T	5-11-4	-41	-72	---	FRONT	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER 41076 S KATSOULAKOS PROVINCE OF ONTARIO

DWG NO. TAM 1/160220
STRUCTURAL COMPONENT ONLY

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.27")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 911 (0.43")

CSI: TC=0.43/1.00 (G-H:1) , BC=0.85/1.00 (P-Q:1) , WB=0.64/1.00 (J-N:1) , SSI=0.17/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

CONTINUED ON PAGE 2

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286846	T30S	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
L	BMVW1-t	MT20	5.0	6.0		
M	BMV+p	MT20	3.0	6.0		
N	BVMWW+w	MT20	6.0	12.0	6.25	3.50
O	BMWW+t	MT20	4.0	6.0		
P	BMWW-t	MT20	5.0	8.0	2.75	3.50
Q	BVMWWW-t	MT20	10.0	12.0	5.00	5.25
R	BMV+p	MT20	3.0	6.0		
S	BMWWW-t	MT20	6.0	12.0	2.75	4.00
T	BMWW-t	MT20	5.0	8.0	2.50	3.25
U	BMV1+p	MT20	3.0	6.0		

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

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 634.1 lbs FACTORED DOWN AT 5-10-8, 110.0 lbs FACTORED DOWN AT 21-10-8, 131.5 lbs FACTORED DOWN AT 22-10-4, AND 131.5 lbs FACTORED DOWN AT 24-10-4, AND 560.3 lbs FACTORED DOWN AT 27-0-8 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, 2305.1 lbs FACTORED DOWN AT 6-3-8, 2226.0 lbs FACTORED DOWN AT 21-10-8, 122.6 lbs FACTORED DOWN AT 22-10-4, 122.6 lbs FACTORED DOWN AT 24-10-4, 122.6 lbs FACTORED DOWN AT 26-10-4, AND 122.6 lbs FACTORED DOWN AT 28-10-4, AND 129.0 lbs FACTORED DOWN AT 30-10-4 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
T	6-3-8	-2305	-2305	---	FRONT	VERT	TOTAL
V	22-10-4	-131	-131	---	FRONT	VERT	TOTAL
W	24-10-4	-131	-131	---	FRONT	VERT	TOTAL
X	1-11-4	-50	-87	---	FRONT	VERT	TOTAL
Y	3-11-4	-50	-87	---	FRONT	VERT	TOTAL
Z	22-10-4	-123	-123	---	FRONT	VERT	TOTAL
AA	24-10-4	-123	-123	---	FRONT	VERT	TOTAL
AB	28-10-4	-123	-123	---	FRONT	VERT	TOTAL
AC	30-10-4	-129	-129	---	FRONT	VERT	TOTAL

JSI GRIP= 0.90 (D) (INPUT = 0.90)
JSI METAL= 0.75 (J) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
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PROVINCE OF ONTARIO

DWG NO. TAM /8602 8
STRUCTURAL
COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
296838	T30S2	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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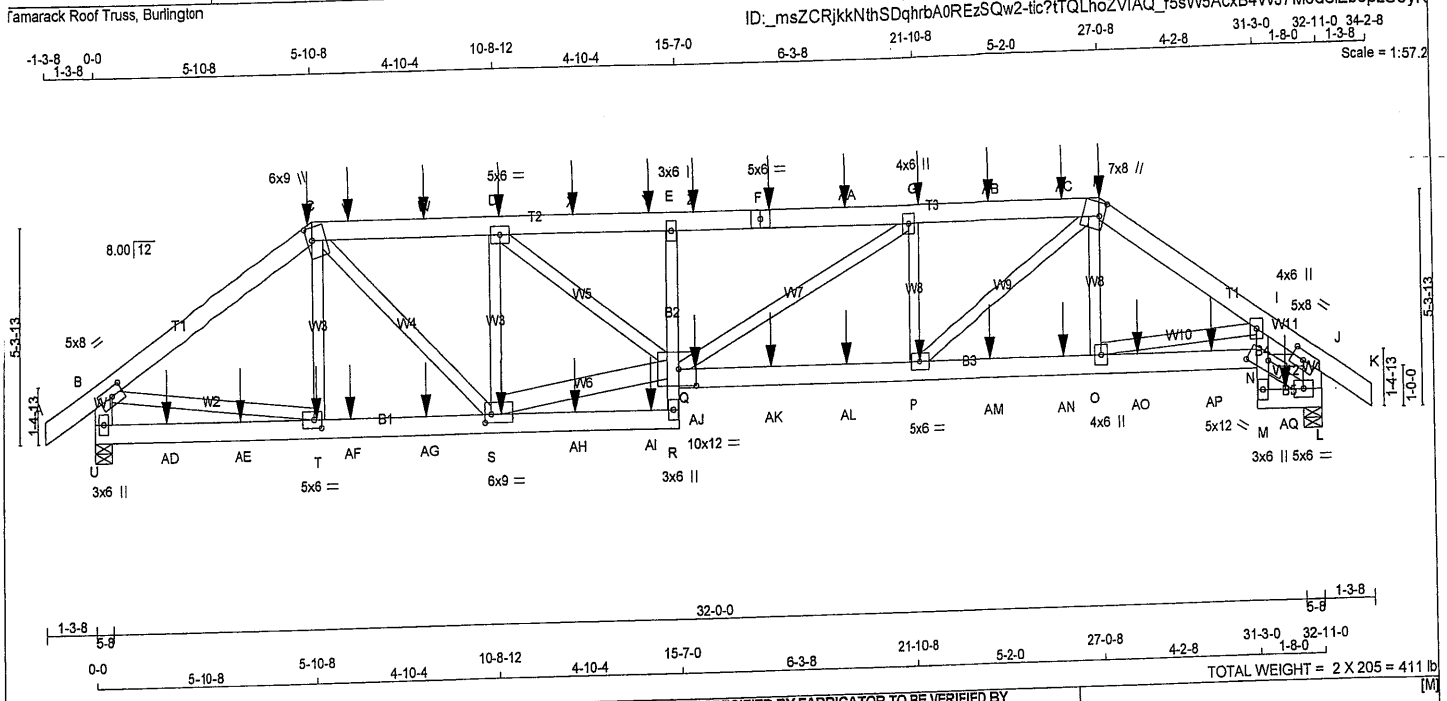

LUMBER

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 - K	2x6	DRY	No.2	SPF
U - B	2x6	DRY	No.2	SPF
L - J	2x6	DRY	No.2	SPF
U - R	2x6	DRY	No.2	SPF
R - E	2x4	DRY	No.2	SPF
Q - N	2x6	DRY	No.2	SPF
M - I	2x4	DRY	No.2	SPF
M - L	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF
S - Q	2x6	DRY	No.2	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- C	2	12	SIDE(122.0)
C- F	2	12	SIDE(183.1)
F- H	2	12	SIDE(183.1)
H- K	2	12	SIDE(122.0)
U- B	2	12	TOP
L- J	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
U- R	2	12	SIDE(183.1)
Q- N	2	12	SIDE(183.1)
M- L	2	12	SIDE(0.0)
R- E	1	12	TOP
I- M	1	12	TOP
WEBS : (0.122"X3") SPIRAL NAILS			
2x4	1	6	
2x6	2	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	8.0	2.50	3.75
C	TTWW+m	MT20	6.0	9.0	3.75	1.50
D	TMWW-t	MT20	5.0	6.0		
E	TMV+p	MT20	3.0	6.0		
F	TS-t	MT20	5.0	6.0		
G	TMWW+t	MT20	4.0	6.0		
H	TTWW+m	MT20	7.0	8.0	4.00	1.50
I	TMVW+p	MT20	4.0	6.0		
J	TMVW-t	MT20	5.0	8.0	2.50	3.75
L	BMVW1-t	MT20	5.0	6.0		
M	BMV+p	MT20	3.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
U	4370	0	4370	0	0	5-8	5-8
L	4481	0	4481	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	3486	2017 / 0	655 / 0	0 / 0	0 / 0	814 / 0	0 / 0
L	3603	2040 / 0	711 / 0	0 / 0	0 / 0	852 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.70 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 44	-112.4	-112.4	0.04 (1)	10.00	
B- C	-5529 / 0	-112.4	-112.4	0.24 (1)	4.79	
C- V	-6624 / 0	-112.4	-112.4	0.21 (1)	4.47	
V- W	-6624 / 0	-112.4	-112.4	0.21 (1)	4.47	
W- D	-6624 / 0	-112.4	-112.4	0.21 (1)	4.47	
D- X	-9493 / 0	-112.4	-112.4	0.27 (1)	3.79	
X- Y	-9493 / 0	-112.4	-112.4	0.27 (1)	3.79	
Y- E	-9493 / 0	-112.4	-112.4	0.27 (1)	3.79	
E- Z	-9537 / 0	-112.4	-112.4	0.37 (1)	3.70	
Z- F	-9537 / 0	-112.4	-112.4	0.37 (1)	3.70	
F-AA	-9537 / 0	-112.4	-112.4	0.37 (1)	3.70	
AA- G	-9537 / 0	-112.4	-112.4	0.37 (1)	3.70	
G-AB	-8735 / 0	-112.4	-112.4	0.32 (1)	3.87	
AB-AC	-8735 / 0	-112.4	-112.4	0.32 (1)	3.87	
AC- H	-8735 / 0	-112.4	-112.4	0.32 (1)	3.87	
H- I	-6958 / 0	-112.4	-112.4	0.21 (1)	4.38	
I- J	-6818 / 0	-112.4	-112.4	0.13 (1)	4.40	
J- K	0 / 44	-112.4	-112.4	0.04 (1)	10.00	
U- B	-4253 / 0	0.0	0.0	0.15 (1)	6.94	
L- J	-4312 / 0	0.0	0.0	0.15 (1)	6.90	
U-AD	0 / 0	-28.0	-28.0	0.11 (3)	10.00	
AD-AE	0 / 0	-28.0	-28.0	0.11 (3)	10.00	
AE- T	0 / 0	-28.0	-28.0	0.11 (3)	10.00	
T-AF	0 / 4581	-28.0	-28.0	0.34 (1)	10.00	
AF-AG	0 / 4581	-28.0	-28.0	0.34 (1)	10.00	
AG- S	0 / 4581	-28.0	-28.0	0.34 (1)	10.00	
S-AH	0 / 170	-28.0	-28.0	0.07 (2)	10.00	
AH-AI	0 / 170	-28.0	-28.0	0.07 (2)	10.00	
AI- R	0 / 170	-28.0	-28.0	0.07 (2)	10.00	
R- Q	0 / 196	0.0	0.0	0.14 (1)	10.00	
Q- E	-1016 / 0	0.0	0.0	0.16 (1)	7.81	
Q-AJ	0 / 8735	-28.0	-28.0	0.71 (1)	10.00	
AJ-AK	0 / 8735	-28.0	-28.0	0.71 (1)	10.00	
AK-AL	0 / 8735	-28.0	-28.0	0.71 (1)	10.00	
AL- P	0 / 8735	-28.0	-28.0	0.71 (1)	10.00	
P-AM	0 / 5819	-28.0	-28.0	0.45 (1)	10.00	
AM-AN	0 / 5819	-28.0	-28.0	0.45 (1)	10.00	
AN- O	0 / 5819	-28.0	-28.0	0.45 (1)	10.00	
O-AO	0 / 5770	-28.0	-28.0	0.44 (1)	10.00	
AO-AP	0 / 5770	-28.0	-28.0	0.44 (1)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
T- C	-364 / 256	0.05 (1)
C- S	0 / 2916	0.26 (1)
S- D	-3207 / 0	0.43 (1)
S- Q	0 / 6662	0.43 (1)
D- Q	0 / 3621	0.32 (1)
Q- G	0 / 935	0.08 (1)
P- G	-1610 / 0	0.15 (1)
P- H	0 / 3631	0.32 (1)
O- H	0 / 630	0.06 (2)
O- I	0 / 30	0.00 (1)
B- T	0 / 4643	0.41 (1)
N- L	-264 / 0	0.01 (1)
N- J	0 / 5581	0.49 (1)

LICENSED PROFESSIONAL ENGINEER
41078
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18627-18
STRUCTURAL
COMPONENT ONLY

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.22")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.36")

CSI: TC=0.37/1.00 (E-G:1) , BC=0.71/1.00 (P-Q:1) , WB=0.49/1.00 (J-N:1) , SSI=0.19/1.00 (E-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

AUTOSOLVE HEELS OFF

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

CONTINUED ON PAGE 2

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
296838	T30S2	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
N	BVMWW+w	MT20	5.0	12.0	6.25	3.00
O	BMWW+t	MT20	4.0	6.0		
P	BMWW-t	MT20	5.0	6.0		
Q	BVMWWW-l	MT20	10.0	12.0	5.00	5.50
R	BMV+p	MT20	3.0	6.0		
S	BMWWW-t	MT20	6.0	9.0	2.50	2.00
T	BMWW-t	MT20	5.0	6.0	2.50	2.50
U	BMV1+p	MT20	3.0	6.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 634.1 lbs FACTORED DOWN AT 5-10-8, 136.5 lbs FACTORED DOWN AT 6-10-4, 135.3 lbs FACTORED DOWN AT 8-10-4, 135.3 lbs FACTORED DOWN AT 10-10-4, 135.3 lbs FACTORED DOWN AT 12-10-4, 135.3 lbs FACTORED DOWN AT 14-10-4, 131.5 lbs FACTORED DOWN AT 16-0-4, 131.5 lbs FACTORED DOWN AT 18-0-4, 131.5 lbs FACTORED DOWN AT 20-0-4, 131.5 lbs FACTORED DOWN AT 22-0-4, 131.5 lbs FACTORED DOWN AT 24-0-4, AND 131.5 lbs FACTORED DOWN AT 26-0-4, AND 422.7 lbs FACTORED DOWN AT 27-0-8 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 6-10-4, 71.7 lbs FACTORED DOWN AT 8-10-4, 71.7 lbs FACTORED DOWN AT 10-10-4, 71.7 lbs FACTORED DOWN AT 12-10-4, 82.0 lbs FACTORED DOWN AT 14-10-4, 128.4 lbs FACTORED DOWN AT 16-0-4, 122.6 lbs FACTORED DOWN AT 18-0-4, 122.6 lbs FACTORED DOWN AT 20-0-4, 122.6 lbs FACTORED DOWN AT 22-0-4, 122.6 lbs FACTORED DOWN AT 24-0-4, 122.6 lbs FACTORED DOWN AT 26-0-4, 122.6 lbs FACTORED DOWN AT 28-0-4, AND 122.6 lbs FACTORED DOWN AT 30-0-4, AND 83.5 lbs FACTORED DOWN AT 31-11-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
AP- N	0 / 5770	-28.0	-28.0	0.44 (1)	10.00
M- N	0 / 89	0.0	0.0	0.15 (1)	10.00
N- I	-264 / 23	0.0	0.0	0.15 (1)	7.81
M-AQ	0 / 230	-28.0	-28.0	0.03 (2)	10.00
AQ- L	0 / 230	-28.0	-28.0	0.03 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	5-10-8	-634	-634	—	FRONT	VERT	TOTAL
D	10-10-4	-135	-135	—	FRONT	VERT	TOTAL
F	18-0-4	-131	-131	—	FRONT	VERT	TOTAL
G	22-0-4	-131	-131	—	FRONT	VERT	TOTAL
H	27-0-8	-423	-423	—	FRONT	VERT	TOTAL
P	22-0-4	-123	-123	—	FRONT	VERT	TOTAL
S	10-10-4	-41	-72	—	FRONT	VERT	TOTAL
T	5-11-4	-41	-72	—	FRONT	VERT	TOTAL
V	6-10-4	-137	-137	—	FRONT	VERT	TOTAL
W	8-10-4	-135	-135	—	FRONT	VERT	TOTAL
X	12-10-4	-135	-135	—	FRONT	VERT	TOTAL
Y	14-10-4	-135	-135	—	FRONT	VERT	TOTAL
Z	16-0-4	-131	-131	—	FRONT	VERT	TOTAL
AA	20-0-4	-131	-131	—	FRONT	VERT	TOTAL
AB	24-0-4	-131	-131	—	FRONT	VERT	TOTAL
AC	26-0-4	-131	-131	—	FRONT	VERT	TOTAL
AD	1-11-4	-50	-87	—	FRONT	VERT	TOTAL
AE	3-11-4	-50	-87	—	FRONT	VERT	TOTAL
AF	6-10-4	-41	-72	—	FRONT	VERT	TOTAL
AG	8-10-4	-41	-72	—	FRONT	VERT	TOTAL
AH	12-10-4	-41	-72	—	FRONT	VERT	TOTAL
AI	14-10-4	-47	-82	—	FRONT	VERT	TOTAL
AJ	16-0-4	-128	-128	—	FRONT	VERT	TOTAL
AK	18-0-4	-123	-123	—	FRONT	VERT	TOTAL
AL	20-0-4	-123	-123	—	FRONT	VERT	TOTAL
AM	24-0-4	-123	-123	—	FRONT	VERT	TOTAL
AN	26-0-4	-123	-123	—	FRONT	VERT	TOTAL
AO	28-0-4	-123	-123	—	FRONT	VERT	TOTAL
AP	30-0-4	-123	-123	—	FRONT	VERT	TOTAL
AQ	31-11-12	-48	-83	—	FRONT	VERT	TOTAL

JSI GRIP= 0.89 (H) (INPUT = 0.90)
JSI METAL= 0.65 (J) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
41078
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18627 -18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286846	T31	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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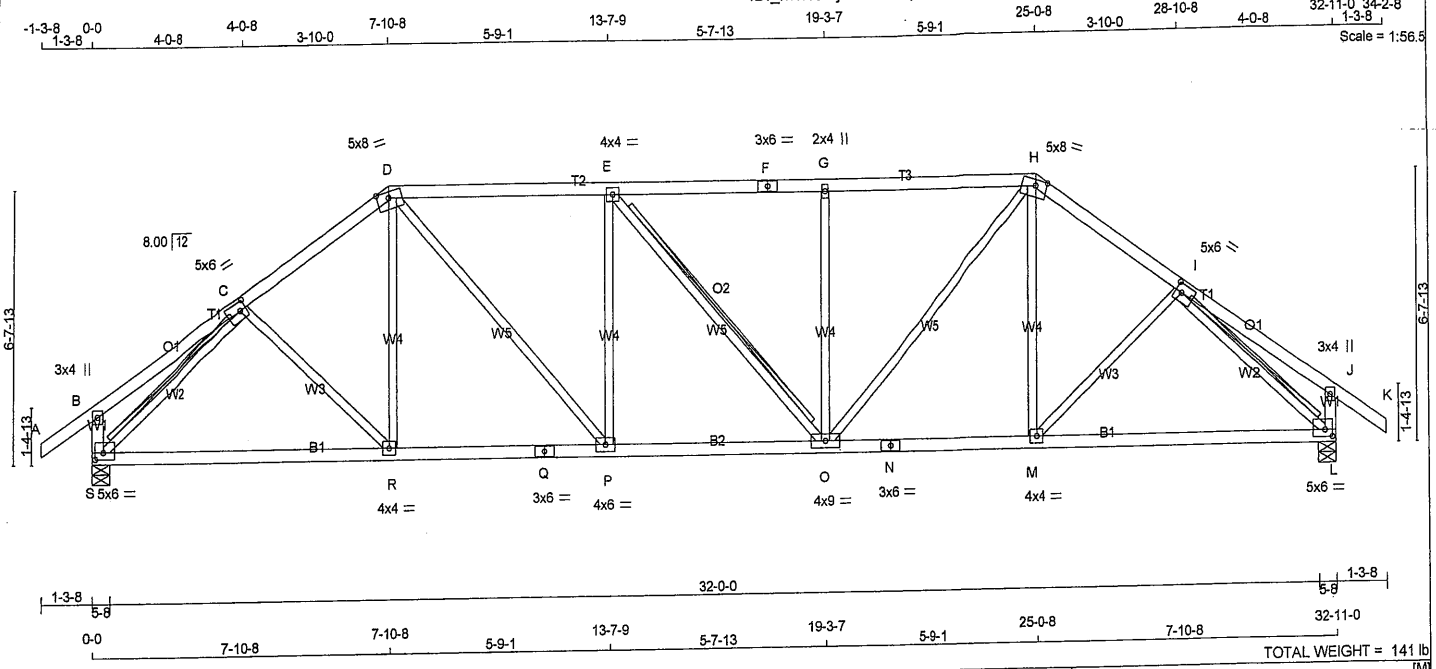

TOTAL WEIGHT = 141 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0	2.50	2.00
D	TTWW-m	MT20	5.0	8.0	1.75	3.75
E	TMWW-t	MT20	4.0	4.0		
F	TS-t	MT20	3.0	6.0		
G	TMW+w	MT20	2.0	4.0		
H	TTWW-m	MT20	5.0	8.0	1.75	3.75
I	TMWW-t	MT20	5.0	6.0	2.50	2.00
J	TMV+p	MT20	3.0	4.0		
L	BMVW1-t	MT20	5.0	6.0	2.00	2.50
M	BMWW-t	MT20	4.0	4.0		
N	BS-t	MT20	3.0	6.0		
O	BMWWW-t	MT20	4.0	9.0		
P	BMWW-t	MT20	4.0	6.0		
Q	BS-t	MT20	3.0	6.0		
R	BMWW-t	MT20	4.0	4.0		
S	BMVW1-t	MT20	5.0	6.0	2.00	2.50

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
S	2466	0	2466	0	0	5-8	5-8
L	2466	0	2466	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	1948	1158 / 0	346 / 0	0 / 0	0 / 0	444 / 0	0 / 0
L	1948	1158 / 0	346 / 0	0 / 0	0 / 0	444 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.30 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.

2x3 DRY SPF No.2 T-BRACE AT E-O
2x4 DRY SPF No.2 T-BRACE AT C-S, I-L

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 43	-112.4	-112.4	0.15 (1)	10.00	
B- C	0 / 26	-112.4	-112.4	0.25 (1)	10.00	
C- D	-2681 / 0	-112.4	-112.4	0.38 (1)	3.89	
D- E	-2966 / 0	-112.4	-112.4	0.74 (1)	3.30	
E- F	-2964 / 0	-112.4	-112.4	0.73 (1)	3.30	
F- G	-2964 / 0	-112.4	-112.4	0.73 (1)	3.30	
G- H	-2964 / 0	-112.4	-112.4	0.73 (1)	3.31	
H- I	-2681 / 0	-112.4	-112.4	0.38 (1)	3.89	
I- J	0 / 26	-112.4	-112.4	0.25 (1)	10.00	
J- K	0 / 43	-112.4	-112.4	0.15 (1)	10.00	
S- B	-328 / 0	0.0	0.0	0.03 (1)	7.81	
L- J	-328 / 0	0.0	0.0	0.03 (1)	7.81	
S- R	0 / 2172	-28.0	-28.0	0.61 (2)	10.00	
R- Q	0 / 2208	-28.0	-28.0	0.63 (2)	10.00	
Q- P	0 / 2208	-28.0	-28.0	0.63 (2)	10.00	
P- O	0 / 2966	-28.0	-28.0	0.57 (1)	10.00	
O- N	0 / 2209	-28.0	-28.0	0.63 (2)	10.00	
N- M	0 / 2209	-28.0	-28.0	0.63 (2)	10.00	
M- L	0 / 2172	-28.0	-28.0	0.61 (2)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- R	0 / 157	0.04 (3)
R- D	0 / 306	0.07 (3)
D- P	0 / 1128	0.25 (1)
P- E	-694 / 0	0.51 (1)
E- O	-3 / 0	0.00 (1)
O- G	-694 / 0	0.51 (1)
O- H	0 / 1125	0.25 (1)
M- H	0 / 306	0.07 (3)
M- I	0 / 157	0.04 (3)
S- C	-2983 / 0	0.70 (1)
I- L	-2983 / 0	0.70 (1)

LICENSED PROFESSIONAL ENGINEER
4/06
S. KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.19")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.32")

CSI: TC=0.74/1.00 (D-E:1) , BC=0.63/1.00 (M-O:2) , WB=0.70/1.00 (I-L:1) , SSI=0.30/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (L) (INPUT = 0.90)
JSI METAL= 0.74 (I) (INPUT = 1.00)

DWG NO. TAM 189603-187
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286846	T31S	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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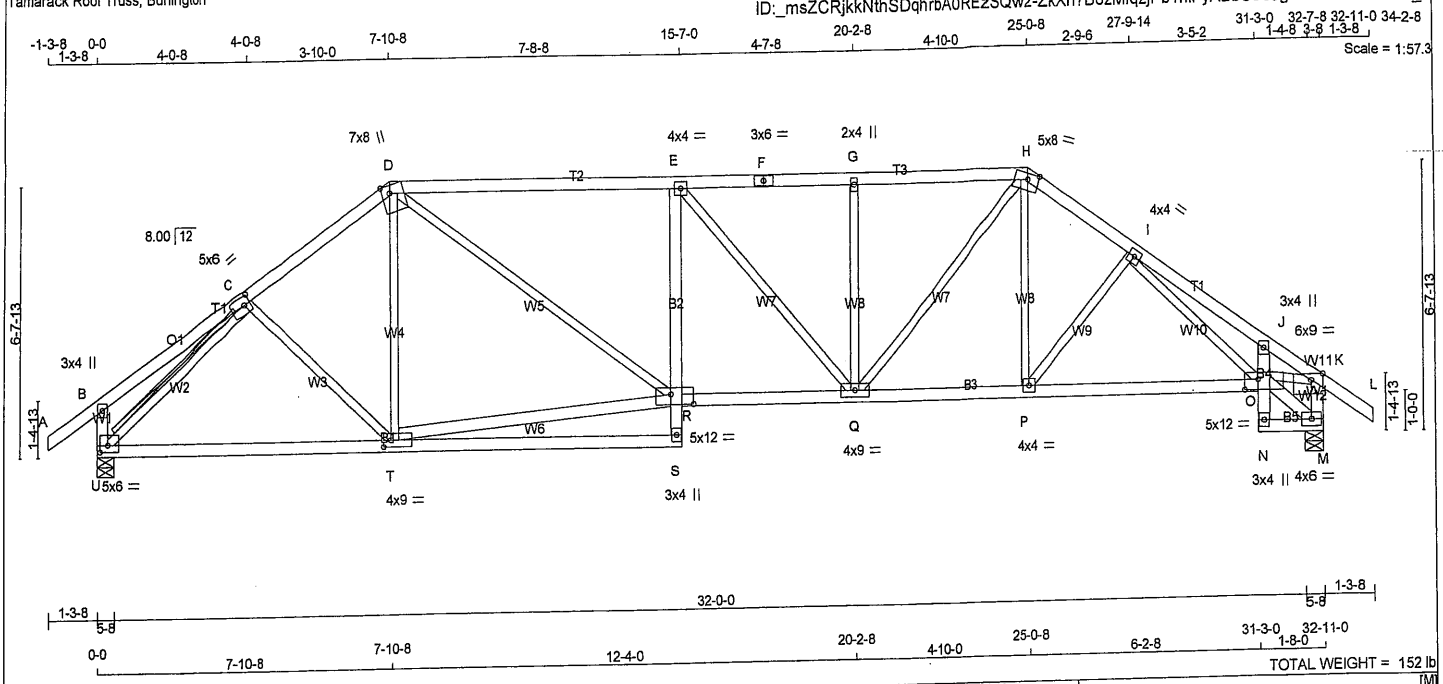

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	2100F 1.8E	SPF
F - H	2x4	DRY	2100F 1.8E	SPF
H - L	2x4	DRY	No.2	SPF
U - B	2x4	DRY	No.2	SPF
M - K	2x4	DRY	No.2	SPF
U - S	2x4	DRY	No.2	SPF
S - E	2x4	DRY	No.2	SPF
R - O	2x4	DRY	No.2	SPF
N - J	2x4	DRY	No.2	SPF
N - M	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				
T - R	2x4	DRY	No.2	SPF
O - M	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0	2.50	2.00
D	TTWW+m	MT20	7.0	8.0	Edge	2.50
E	TMVW-t	MT20	4.0	4.0		
F	TS-t	MT20	3.0	6.0		
G	TMW+w	MT20	2.0	4.0		
H	TTWW-m	MT20	5.0	8.0	1.75	3.50
I	TMWW-t	MT20	4.0	4.0		
J	TMV+p	MT20	3.0	4.0		
K	TMVW-p	MT20	6.0	9.0	Edge	3.50
M	BMVW1-t	MT20	4.0	6.0		
N	BMV+p	MT20	3.0	4.0		
O	BVMWWW-l	MT20	5.0	12.0	3.00	4.25
P	BMWW-t	MT20	4.0	4.0		
Q	BMWWW-t	MT20	4.0	9.0		
R	BVMWW-l	MT20	5.0	12.0	3.00	7.25
S	BMV+p	MT20	3.0	4.0		
T	BMWWW-t	MT20	4.0	9.0	2.00	2.25
U	BMVW1-t	MT20	5.0	6.0	2.00	2.50

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
U	2462	0	2462	0	0	5-8	5-8
M	2469	0	2469	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	1946	1156 / 0	346 / 0	0 / 0	0 / 0	444 / 0	0 / 0
M	1950	1160 / 0	346 / 0	0 / 0	0 / 0	445 / 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 = 3.47 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

2x4 DRY SPF No.2 T-BRACE AT C-U

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 43	-112.4	-112.4	0.15 (1)	10.00
B- C	0 / 26	-112.4	-112.4	0.26 (1)	10.00
C- D	-2686 / 0	-112.4	-112.4	0.38 (1)	3.88
D- E	-3623 / 0	-112.4	-112.4	0.79 (1)	3.79
E- F	-3390 / 0	-112.4	-112.4	0.61 (1)	3.91
F- G	-3390 / 0	-112.4	-112.4	0.61 (1)	3.91
G- H	-3390 / 0	-112.4	-112.4	0.31 (1)	4.38
H- I	-3142 / 0	-112.4	-112.4	0.31 (1)	3.67
I- J	-3492 / 0	-112.4	-112.4	0.36 (1)	3.47
J- K	-3437 / 0	-112.4	-112.4	0.27 (1)	3.56
K- L	0 / 43	-112.4	-112.4	0.15 (1)	10.00
U- B	-328 / 0	0.0	0.0	0.03 (1)	7.81
M- K	-2358 / 0	0.0	0.0	0.24 (1)	5.56
U- T	0 / 2176	-28.0	-28.0	0.72 (2)	10.00
T- S	0 / 82	-28.0	-28.0	0.52 (3)	10.00
S- R	0 / 137	0.0	0.0	0.13 (1)	10.00
R- E	-563 / 0	0.0	0.0	0.26 (1)	7.81
R- Q	0 / 3639	-28.0	-28.0	0.67 (1)	10.00
Q- P	0 / 2596	-28.0	-28.0	0.55 (1)	10.00
P- O	0 / 2861	-28.0	-28.0	0.60 (1)	10.00
N- O	0 / 37	0.0	0.0	0.19 (1)	10.00
O- J	-198 / 0	0.0	0.0	0.19 (1)	7.81
N- M	0 / 136	-28.0	-28.0	0.03 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- T	0 / 159	0.04 (3)
T- D	-49 / 227	0.05 (3)
T- R	0 / 2147	0.35 (1)
D- R	0 / 1730	0.39 (1)
P- H	0 / 495	0.11 (1)
U- C	-2989 / 0	0.70 (1)
Q- H	0 / 1184	0.27 (1)
E- Q	-374 / 0	0.36 (1)
Q- G	-480 / 0	0.23 (1)
O- M	-162 / 0	0.02 (1)
O- K	0 / 2818	0.63 (1)
P- I	-415 / 0	0.14 (1)
I- O	0 / 120	0.03 (2)

LICENSED PROFESSIONAL ENGINEER
4/96
S KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.21")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.37")

CSI: TC=0.79/1.00 (D-E:1) , BC=0.72/1.00 (T-U:2) , WB=0.70/1.00 (C-U:1) , SSI=0.39/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (U) (INPUT = 0.90)
JSI METAL= 0.74 (C) (INPUT = 1.00)

DWG NO. TAM/96004-37
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286846	T32	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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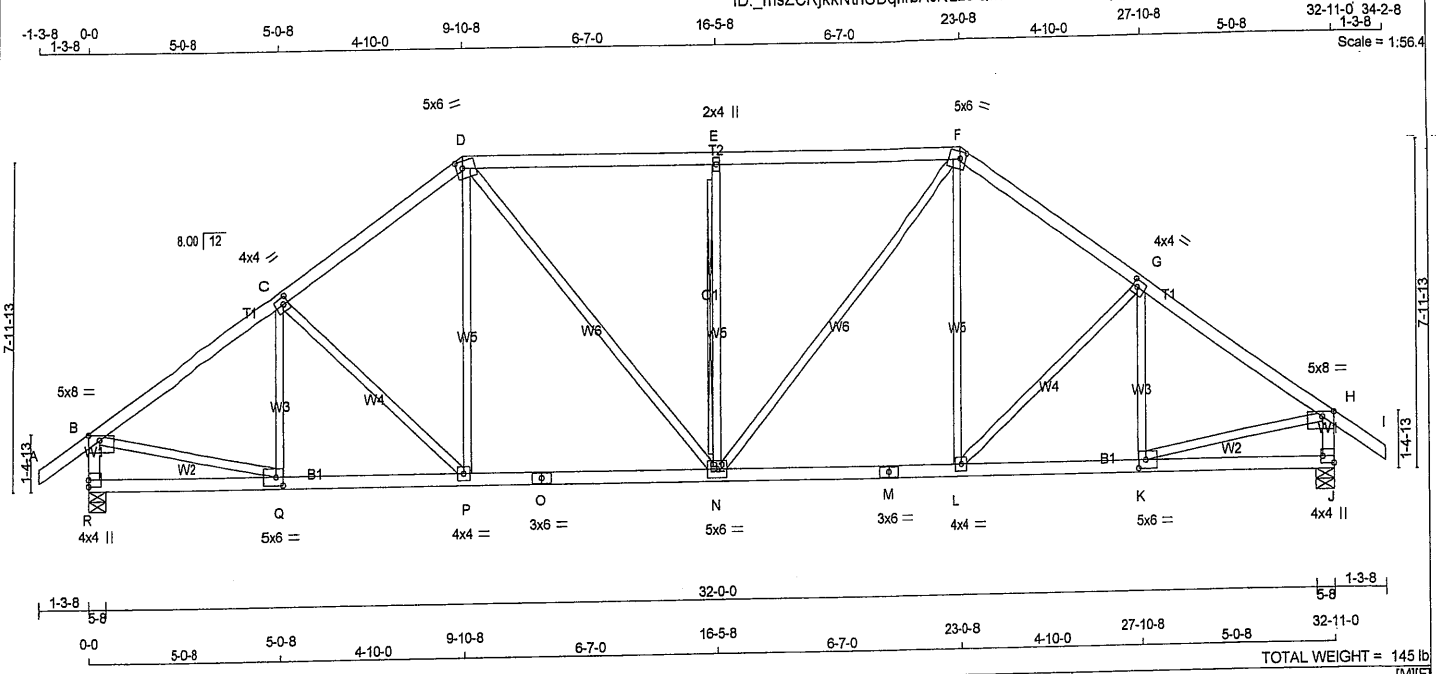

LUMBER

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
R - B	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
R - O	2x4	DRY	No.2	SPF
O - M	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	1.50	3.50
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTWW-m	MT20	5.0	6.0	2.00	2.00
E	TMW-w	MT20	2.0	4.0		
F	TTWW-m	MT20	5.0	6.0	2.00	2.00
G	TMWW-t	MT20	4.0	4.0	2.00	1.50
H	TMVW-p	MT20	5.0	8.0	1.50	3.50
J	BMV1+p	MT20	4.0	4.0	2.00	Edge
K	BMWW-t	MT20	5.0	6.0	2.50	2.25
L	BMWW-t	MT20	4.0	4.0		
M	BS-t	MT20	3.0	6.0		
N	BMWWW-t	MT20	5.0	6.0		
O	BS-t	MT20	3.0	6.0		
P	BMWW-t	MT20	4.0	4.0		
Q	BMWW-t	MT20	5.0	6.0	2.50	2.25
R	BMV1+p	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
R	2466	0	2466	0	0	5-8	5-8
J	2466	0	2466	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	1948	1158 / 0	346 / 0	0 / 0	0 / 0	444 / 0	0 / 0
J	1948	1158 / 0	346 / 0	0 / 0	0 / 0	444 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.39 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

2x3 DRY SPF No.2 T-BRACE AT E-N

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 43	-112.4	-112.4	0.15 (1)	10.00
B- C	-2734 / 0	-112.4	-112.4	0.47 (1)	3.78
C- D	-2549 / 0	-112.4	-112.4	0.44 (1)	3.91
D- E	-2561 / 0	-112.4	-112.4	0.75 (1)	3.39
E- F	-2561 / 0	-112.4	-112.4	0.75 (1)	3.39
F- G	-2549 / 0	-112.4	-112.4	0.44 (1)	3.91
G- H	-2734 / 0	-112.4	-112.4	0.47 (1)	3.78
H- I	0 / 43	-112.4	-112.4	0.15 (1)	10.00
R- B	-2404 / 0	0.0	0.0	0.25 (1)	5.52
J- H	-2404 / 0	0.0	0.0	0.25 (1)	5.52
R- Q	0 / 0	-28.0	-28.0	0.16 (3)	10.00
Q- P	0 / 2304	-28.0	-28.0	0.48 (1)	10.00
P- O	0 / 2092	-28.0	-28.0	0.48 (2)	10.00
O- N	0 / 2092	-28.0	-28.0	0.48 (2)	10.00
N- M	0 / 2092	-28.0	-28.0	0.48 (2)	10.00
M- L	0 / 2092	-28.0	-28.0	0.48 (2)	10.00
L- K	0 / 2304	-28.0	-28.0	0.48 (1)	10.00
K- J	0 / 0	-28.0	-28.0	0.16 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
Q- C	-352 / 38	0.12 (1)
C- P	-291 / 0	0.24 (1)
P- D	0 / 399	0.09 (2)
D- N	0 / 721	0.16 (1)
N- E	-908 / 0	0.86 (1)
N- F	0 / 721	0.16 (1)
L- F	0 / 399	0.09 (2)
L- G	-291 / 0	0.24 (1)
K- G	-352 / 38	0.12 (1)
B- Q	0 / 2356	0.53 (1)
K- H	0 / 2356	0.53 (1)

LICENSED PROFESSIONAL ENGINEER
4107
S KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.14")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.24")

CSI: TC=0.75/1.00 (D-E:1) , BC=0.48/1.00 (L-N:2) , WB=0.86/1.00 (E-N:1) , SSI=0.36/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (K) (INPUT = 0.90)
JSI METAL= 0.61 (O) (INPUT = 1.00)

DWG NO. TAM 186005-18
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286846	T32S	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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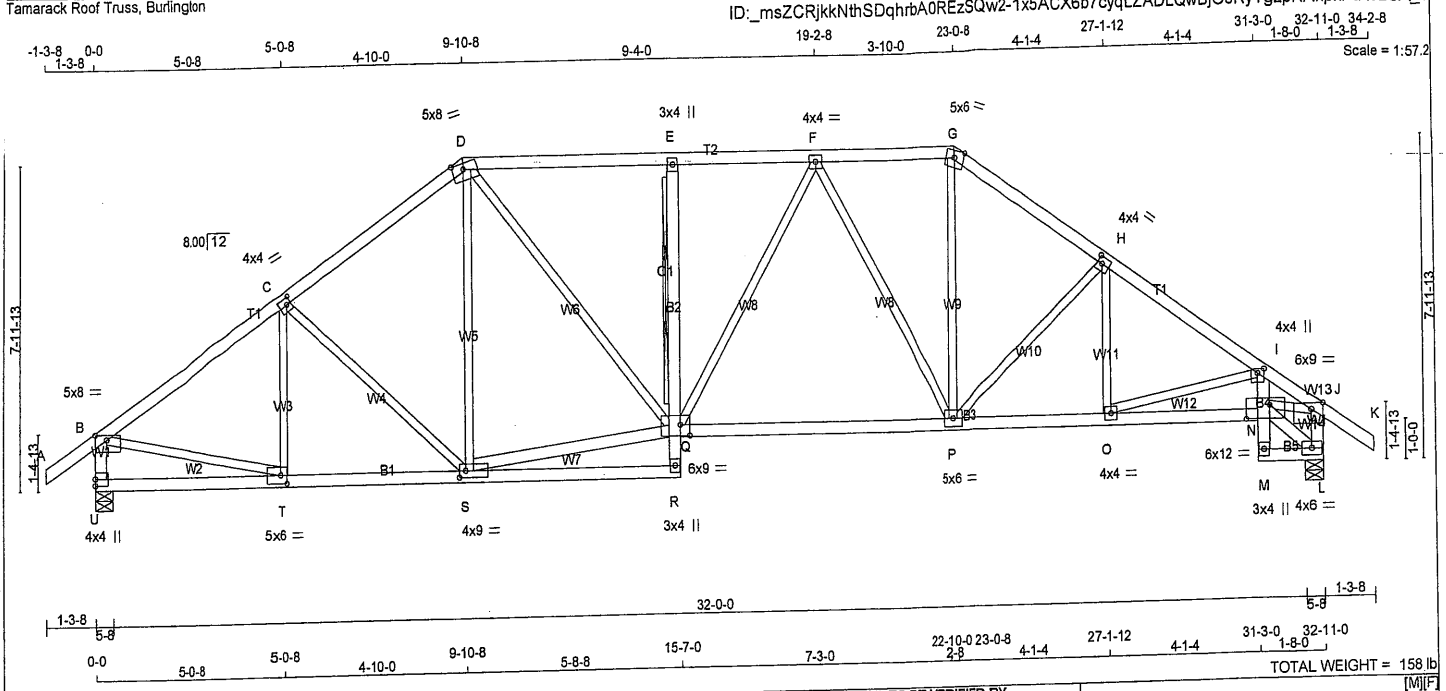

TOTAL WEIGHT = 158 lb [M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
G - K	2x4	DRY	No.2	SPF
U - B	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
U - R	2x4	DRY	No.2	SPF
R - E	2x4	DRY	No.2	SPF
Q - N	2x4	DRY	No.2	SPF
M - I	2x4	DRY	No.2	SPF
M - L	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
S - Q	2x4	DRY	No.2	SPF
N - L	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in Inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	1.50	3.50
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTWW-m	MT20	5.0	8.0	1.75	3.50
E	TMV+p	MT20	3.0	4.0		
F	TMWW-t	MT20	4.0	4.0		
G	TTW-m	MT20	5.0	6.0	Edge	
H	TMWW-t	MT20	4.0	4.0	2.00	1.50
I	TMVW+p	MT20	4.0	4.0	1.25	2.00
J	TMVW-p	MT20	6.0	9.0	Edge	3.50
L	BMVW1-t	MT20	4.0	6.0		
M	BMV+p	MT20	3.0	4.0		
N	BVMWW-l	MT20	6.0	12.0	4.00	7.25
O	BMWW-t	MT20	4.0	4.0		
P	BMWWW-t	MT20	5.0	6.0		
Q	BVMWWW-l	MT20	6.0	9.0	3.25	3.00
R	BMV+p	MT20	3.0	4.0		
S	BMWWW-t	MT20	4.0	9.0	2.00	2.00
T	BMWW-t	MT20	5.0	6.0	2.50	2.25
U	BMV1+p	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
U	2462	0	2462	0	0	5-8	5-8
L	2469	0	2469	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	1946	1156 / 0	346 / 0	0 / 0	0 / 0	444 / 0	0 / 0
L	1950	1160 / 0	346 / 0	0 / 0	0 / 0	445 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.34 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

2x3 DRY SPF No.2 T-BRACE AT E-Q

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 43	-112.4	-112.4	0.15 (1)	10.00
B- C	-2729 / 0	-112.4	-112.4	0.47 (1)	3.78
C- D	-2549 / 0	-112.4	-112.4	0.45 (1)	3.91
D- E	-2860 / 0	-112.4	-112.4	0.53 (1)	3.60
E- F	-2867 / 0	-112.4	-112.4	0.40 (1)	3.73
F- G	-2414 / 0	-112.4	-112.4	0.26 (1)	4.20
G- H	-2913 / 0	-112.4	-112.4	0.35 (1)	3.79
H- I	-3379 / 0	-112.4	-112.4	0.40 (1)	3.51
I- J	-3990 / 0	-112.4	-112.4	0.27 (1)	3.34
J- K	0 / 43	-112.4	-112.4	0.15 (1)	10.00
U- B	-2400 / 0	0.0	0.0	0.25 (1)	5.52
L- J	-2326 / 0	0.0	0.0	0.24 (1)	5.60
U- T	0 / 0	-28.0	-28.0	0.15 (3)	10.00
T- S	0 / 2300	-28.0	-28.0	0.48 (1)	10.00
S- R	0 / 48	-28.0	-28.0	0.21 (3)	10.00
R- Q	0 / 110	0.0	0.0	0.08 (1)	10.00
Q- E	-618 / 0	0.0	0.0	0.19 (1)	7.81
Q- P	0 / 2751	-28.0	-28.0	0.64 (2)	10.00
P- O	0 / 2837	-28.0	-28.0	0.65 (2)	10.00
O- N	0 / 3484	-28.0	-28.0	0.64 (1)	10.00
M- N	0 / 37	0.0	0.0	0.25 (1)	10.00
N- I	0 / 275	0.0	0.0	0.30 (1)	10.00
M- L	0 / 159	-28.0	-28.0	0.04 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
T- C	-355 / 32	0.12 (1)
C- S	-289 / 0	0.23 (1)
S- D	-3 / 189	0.04 (3)
S- Q	0 / 2072	0.33 (1)
D- Q	0 / 1209	0.27 (1)
P- G	0 / 1234	0.28 (1)
P- H	-606 / 0	0.34 (1)
O- H	0 / 185	0.04 (3)
O- I	-665 / 0	0.21 (1)
B- T	0 / 2352	0.53 (1)
Q- F	0 / 237	0.05 (1)
F- P	-693 / 0	0.83 (1)
N- L	-200 / 0	0.02 (1)
N- J	0 / 3288	0.74 (1)

LICENSED PROFESSIONAL ENGINEER 41016 S KATSOULAKOS PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.23")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 974 (0.41")

CSI: TC=0.53/1.00 (D-E:1) , BC=0.65/1.00 (O-P:2) , WB=0.83/1.00 (F-P:1) , SSI=0.29/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (D) (INPUT = 0.90)
JSI METAL= 0.64 (J) (INPUT = 1.00)

DWG NO. TAM 166648
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286846	T33	10	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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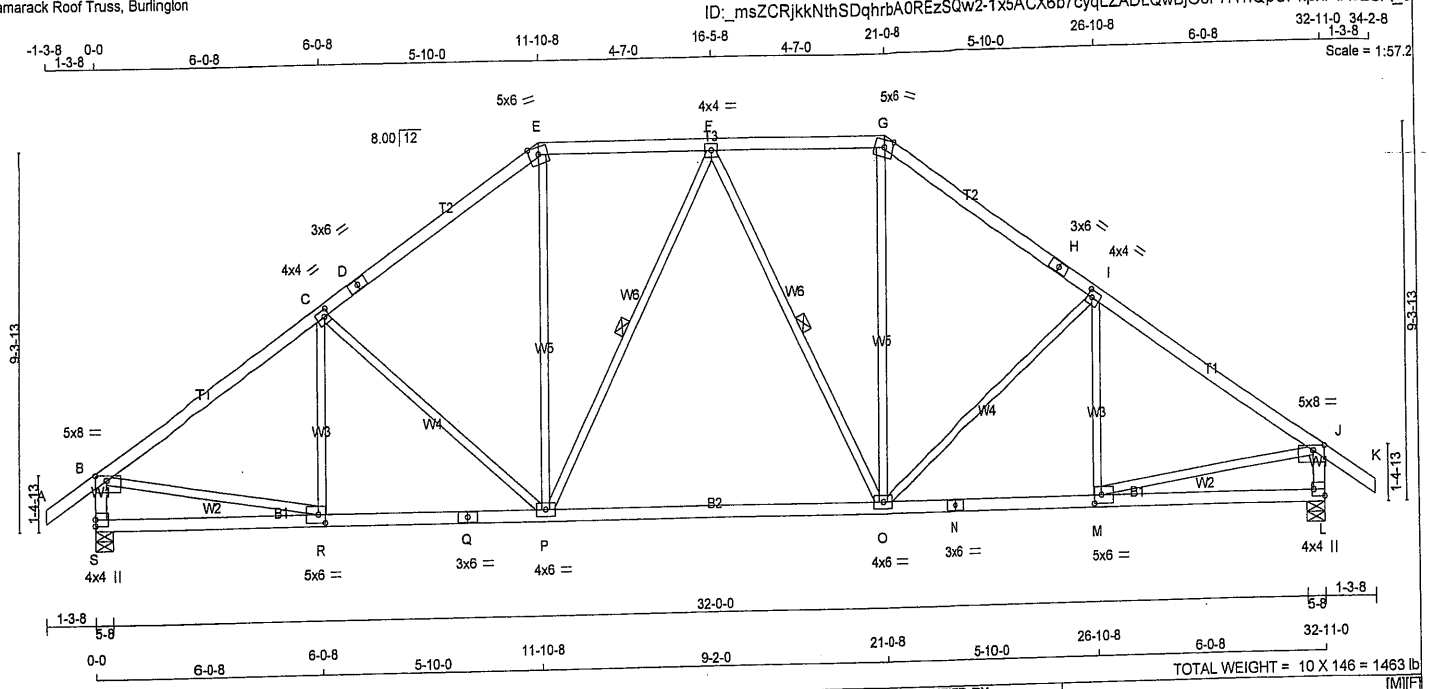

TOTAL WEIGHT = 10 X 146 = 1463 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	1.50	3.50
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TS-t	MT20	3.0	6.0		
E	TTW-m	MT20	5.0	6.0	Edge	
F	TMWW-t	MT20	4.0	4.0		
G	TTW-m	MT20	5.0	6.0	Edge	
H	TS-t	MT20	3.0	6.0		
I	TMWW-t	MT20	4.0	4.0	2.00	1.50
J	TMVW-p	MT20	5.0	8.0	1.50	3.50
L	BMV1+p	MT20	4.0	4.0	2.00	Edge
M	BMWW-t	MT20	5.0	6.0	2.50	2.25
N	BS-t	MT20	3.0	6.0		
O	BMWWW-t	MT20	4.0	6.0		
P	BMWWW-t	MT20	4.0	6.0		
Q	BS-t	MT20	3.0	6.0		
R	BMWW-t	MT20	5.0	6.0	2.50	2.25
S	BMV1+p	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
S	2466	0	2466	0	0	5-8	5-8
L	2466	0	2466	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	1948	1158 / 0	346 / 0	0 / 0	0 / 0	444 / 0	0 / 0
L	1948	1158 / 0	346 / 0	0 / 0	0 / 0	444 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.48 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-O.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 43	-112.4	-112.4	0.15 (1)	10.00
B- C	-2766 / 0	-112.4	-112.4	0.70 (1)	3.48
C- D	-2402 / 0	-112.4	-112.4	0.63 (1)	3.76
D- E	-2402 / 0	-112.4	-112.4	0.63 (1)	3.76
E- F	-1969 / 0	-112.4	-112.4	0.34 (1)	4.47
F- G	-1969 / 0	-112.4	-112.4	0.34 (1)	4.47
G- H	-2402 / 0	-112.4	-112.4	0.63 (1)	3.76
H- I	-2402 / 0	-112.4	-112.4	0.63 (1)	3.76
I- J	-2766 / 0	-112.4	-112.4	0.70 (1)	3.48
J- K	0 / 43	-112.4	-112.4	0.15 (1)	10.00
S- B	-2392 / 0	0.0	0.0	0.25 (1)	5.52
L- J	-2392 / 0	0.0	0.0	0.25 (1)	5.52
S- R	0 / 0	-28.0	-28.0	0.23 (3)	10.00
R- Q	0 / 2338	-28.0	-28.0	0.62 (2)	10.00
Q- P	0 / 2338	-28.0	-28.0	0.62 (2)	10.00
P- O	0 / 2123	-28.0	-28.0	0.60 (2)	10.00
O- N	0 / 2338	-28.0	-28.0	0.62 (2)	10.00
N- M	0 / 2338	-28.0	-28.0	0.62 (2)	10.00
M- L	0 / 0	-28.0	-28.0	0.23 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
R- C	-254 / 107	0.11 (1)
C- P	-500 / 0	0.63 (1)
P- E	0 / 861	0.19 (1)
P- F	-347 / 0	0.26 (1)
F- O	-347 / 0	0.26 (1)
O- G	0 / 861	0.19 (1)
O- I	-500 / 0	0.63 (1)
M- I	-254 / 107	0.11 (1)
B- R	0 / 2375	0.53 (1)
M- J	0 / 2375	0.53 (1)

LICENSED PROFESSIONAL ENGINEER
4/018
S KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.10")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.23")
ALLOWABLE DEFL.(TL)= L/360 (1.10")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.38")

CSI: TC=0.70/1.00 (I-J:1) , BC=0.62/1.00 (M-O:2) , WB=0.63/1.00 (I-O:1) , SSI=0.27/1.00 (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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (R) (INPUT = 0.90)
JSI METAL= 0.60 (N) (INPUT = 1.00)

DWG NO. TAM/18607-18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286846	T34	3	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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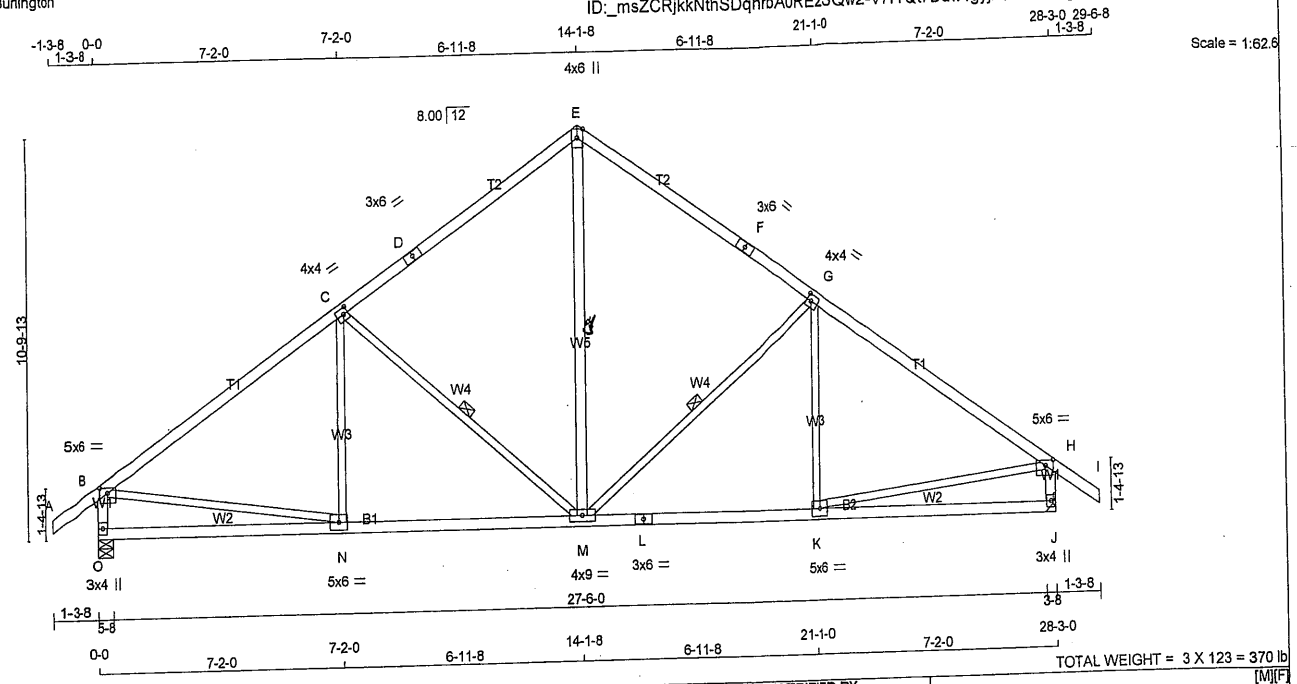

TOTAL WEIGHT = 3 X 123 = 370 lb [M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.75	2.75
C	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TS-t	MT20	3.0	6.0		
E	TTW+p	MT20	4.0	6.0	Edge	
F	TS-t	MT20	3.0	6.0		
G	TMWW-t	MT20	4.0	4.0	2.00	1.50
H	TMVW-p	MT20	5.0	6.0	1.75	2.75
J	BMV1+p	MT20	3.0	4.0		
K	BMWW-t	MT20	5.0	6.0		
L	BS-t	MT20	3.0	6.0		
M	BMWWW-t	MT20	4.0	9.0		
N	BMWW-t	MT20	5.0	6.0		
O	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
O	2138	0	2138	0	0	5-8	5-8
J	2138	0	2138	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1687	1007 / 0	297 / 0	0 / 0	0 / 0	384 / 0	0 / 0
J	1687	1007 / 0	297 / 0	0 / 0	0 / 0	384 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.21 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 43	-112.4	-112.4	0.15 (1)	10.00
B- C	-2291 / 0	-112.4	-112.4	0.95 (1)	3.21
C- D	-1670 / 0	-112.4	-112.4	0.83 (1)	3.87
D- E	-1670 / 0	-112.4	-112.4	0.83 (1)	3.87
E- F	-1670 / 0	-112.4	-112.4	0.83 (1)	3.87
F- G	-1670 / 0	-112.4	-112.4	0.83 (1)	3.87
G- H	-2291 / 0	-112.4	-112.4	0.95 (1)	3.21
H- I	0 / 43	-112.4	-112.4	0.15 (1)	10.00
O- B	-2056 / 0	0.0	0.0	0.21 (1)	5.90
J- H	-2056 / 0	0.0	0.0	0.21 (1)	5.90
O- N	0 / 0	-28.0	-28.0	0.37 (3)	10.00
N- M	0 / 1950	-28.0	-28.0	0.56 (2)	10.00
M- L	0 / 1950	-28.0	-28.0	0.56 (2)	10.00
L- K	0 / 1950	-28.0	-28.0	0.56 (2)	10.00
K- J	0 / 0	-28.0	-28.0	0.37 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
M- E	0 / 1207	0.19 (1)
M- G	-793 / 0	0.45 (1)
K- G	-73 / 261	0.06 (3)
C- M	-793 / 0	0.45 (1)
N- C	-73 / 261	0.06 (3)
B- N	0 / 1973	0.44 (1)
K- H	0 / 1973	0.44 (1)

LICENSED PROFESSIONAL ENGINEER
4100
S KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 0.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.94")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.12")
ALLOWABLE DEFL.(TL)= L/360 (0.94")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.20")

CSI: TC=0.95/1.00 (B-C:1) , BC=0.56/1.00 (M-N:2) , WB=0.45/1.00 (C-M:1) , SSI=0.32/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (N) (INPUT = 0.90)
JSI METAL= 0.53 (L) (INPUT = 1.00)

DWG NO. TAM/0608-18
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286846	T35S	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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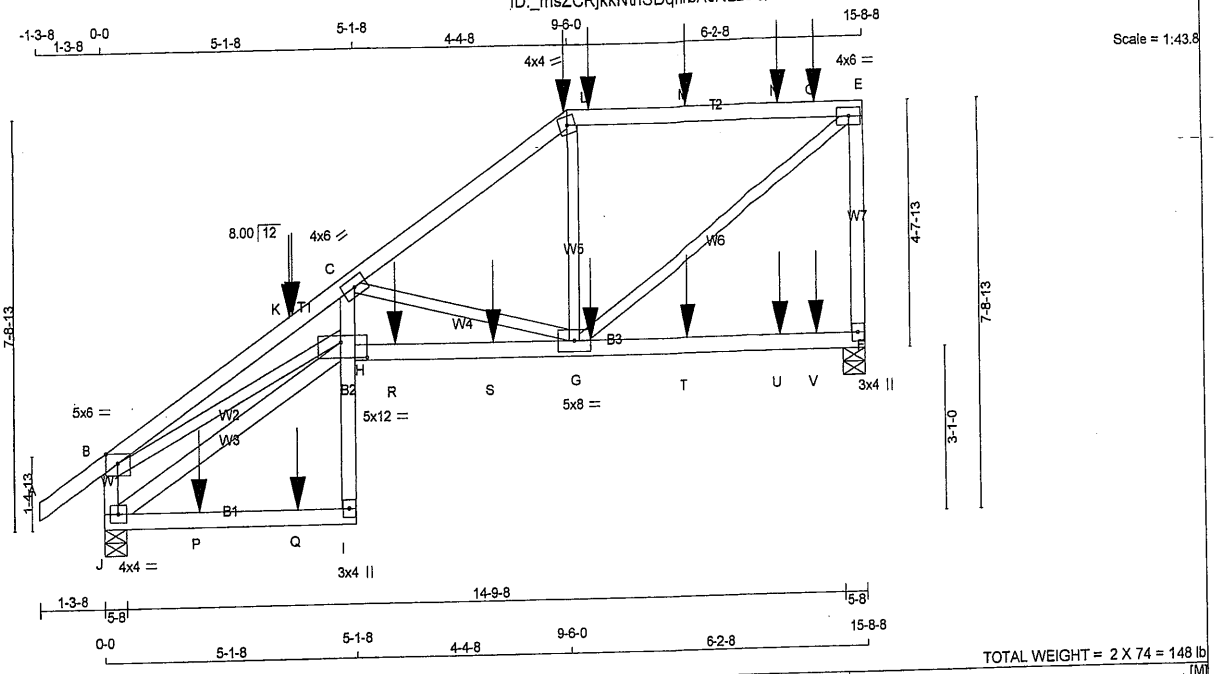

TOTAL WEIGHT = 2 X 74 = 148 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
A- D	1	12	SIDE(61.0)
D- E	1	12	SIDE(61.0)
E- F	1	12	TOP
J- B	1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
J- I	1	12	SIDE(0.0)
I- C	1	12	TOP
H- F	1	12	SIDE(61.0)
WEBS : (0.122"X3") SPIRAL NAILS			
2x3	1	6	
2x4	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TMVW-t	MT20	4.0	6.0		
D	TTW-m	MT20	4.0	4.0		
E	TMVW-t	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMWWW-t	MT20	5.0	8.0		
H	BVMWW-l	MT20	5.0	12.0	3.50	6.50
I	BMV+p	MT20	3.0	4.0		
J	BMVW1-t	MT20	4.0	4.0		

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

HANGERS NOTES

1)

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
F	1815	0	1815	0	0	5-8	5-8
J	1781	0	1781	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	1440	846 / 0	263 / 0	0 / 0	0 / 0	332 / 0	0 / 0
J	1399	848 / 0	234 / 0	0 / 0	0 / 0	313 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.79 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 43	-112.4	-112.4	0.08 (1)	10.00	
B- K	-5327 / 0	-112.4	-112.4	0.49 (1)	3.79	
K- C	-5327 / 0	-112.4	-112.4	0.49 (1)	3.79	
C- D	-1965 / 0	-112.4	-112.4	0.23 (1)	5.99	
D- L	-1605 / 0	-112.4	-112.4	0.66 (1)	5.54	
L- M	-1605 / 0	-112.4	-112.4	0.66 (1)	5.54	
M- N	-1605 / 0	-112.4	-112.4	0.66 (1)	5.54	
N- O	-1605 / 0	-112.4	-112.4	0.66 (1)	5.54	
O- E	-1605 / 0	-112.4	-112.4	0.66 (1)	5.54	
F- E	-1699 / 0	0.0	0.0	0.30 (1)	7.81	
J- B	-1634 / 0	0.0	0.0	0.09 (1)	7.81	
J- P	0 / 95	-28.0	-28.0	0.17 (3)	10.00	
P- Q	0 / 95	-28.0	-28.0	0.17 (3)	10.00	
Q- I	0 / 95	-28.0	-28.0	0.17 (3)	10.00	
I- H	0 / 164	0.0	0.0	0.23 (1)	10.00	
H- C	0 / 1913	0.0	0.0	0.39 (1)	10.00	
H- R	0 / 4717	-28.0	-28.0	0.53 (1)	10.00	
R- S	0 / 4717	-28.0	-28.0	0.53 (1)	10.00	
S- G	0 / 4717	-28.0	-28.0	0.53 (1)	10.00	
G- T	0 / 0	-28.0	-28.0	0.22 (3)	10.00	
T- U	0 / 0	-28.0	-28.0	0.22 (3)	10.00	
U- V	0 / 0	-28.0	-28.0	0.22 (3)	10.00	
V- F	0 / 0	-28.0	-28.0	0.22 (3)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- G	-3230 / 0	0.64 (1)
G- D	0 / 331	0.04 (3)
G- E	0 / 1982	0.25 (1)
J- H	-111 / 0	0.02 (1)
B- H	0 / 4845	0.60 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
D	9-6-0	-43	-48	---	FRONT	VERT	DEAD
D	9-6-0	-270	-270	---	FRONT	VERT	SNOW
G	9-11-4	-30	-53	---	FRONT	VERT	TOTAL
K	3-10-8	-245	-245	---	FRONT	VERT	TOTAL
K	3-11-4	-51	-51	---	FRONT	VERT	TOTAL
L	9-11-4	-125	-125	---	FRONT	VERT	TOTAL
M	11-11-4	-93	-93	---	FRONT	VERT	TOTAL
N	13-11-4	-93	-93	---	FRONT	VERT	TOTAL
O	14-8-4	-93	-93	---	FRONT	VERT	TOTAL
P	1-11-4	-23	-41	---	FRONT	VERT	TOTAL
Q	3-11-4	-19	-33	---	FRONT	VERT	TOTAL
R	5-11-4	-31	-54	---	FRONT	VERT	TOTAL
S	7-11-4	-30	-53	---	FRONT	VERT	TOTAL

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.52")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.15")
ALLOWABLE DEFL.(TL)= L/360 (0.52")
CALCULATED VERT. DEFL.(TL) = L/ 766 (0.25")

CSI: TC=0.66/1.00 (D-E:1) , BC=0.53/1.00 (G-H:1) , WB=0.64/1.00 (C-G:1) , SSI=0.24/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (G) (INPUT = 0.90)
JSI METAL= 0.50 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4/07
S. KATSOULAKOS
PROV. OF ONTARIO

DWG NO. TAM 18609-18
STRUCTURAL COMPONENT ONLY

CONTINUED ON PAGE 2

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286846	T35S	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) 312.5 lbs FACTORED DOWN AT 9-6-0, 295.8 lbs FACTORED DOWN AT 3-10-8, 124.8 lbs FACTORED DOWN AT 9-11-4, 93.2 lbs FACTORED DOWN AT 11-11-4, AND 93.2 lbs FACTORED DOWN AT 13-11-4, AND 93.2 lbs FACTORED DOWN AT 14-8-4 ON TOP CHORD, AND 41.0 lbs FACTORED DOWN AT 1-11-4, 33.0 lbs FACTORED DOWN AT 3-11-4, 53.5 lbs FACTORED DOWN AT 5-11-4, 52.5 lbs FACTORED DOWN AT 7-11-4, 52.5 lbs FACTORED DOWN AT 9-11-4, 52.5 lbs FACTORED DOWN AT 11-11-4, AND 52.5 lbs FACTORED DOWN AT 13-11-4, AND 52.5 lbs FACTORED DOWN AT 14-8-4 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
T	11-11-4	-30	-53	—	FRONT	VERT	TOTAL
U	13-11-4	-30	-53	—	FRONT	VERT	TOTAL
V	14-8-4	-30	-53	—	FRONT	VERT	TOTAL

LICENSED PROFESSIONAL ENGINEER
41018
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 180609-18
STRUCTURAL
COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286846	T36S	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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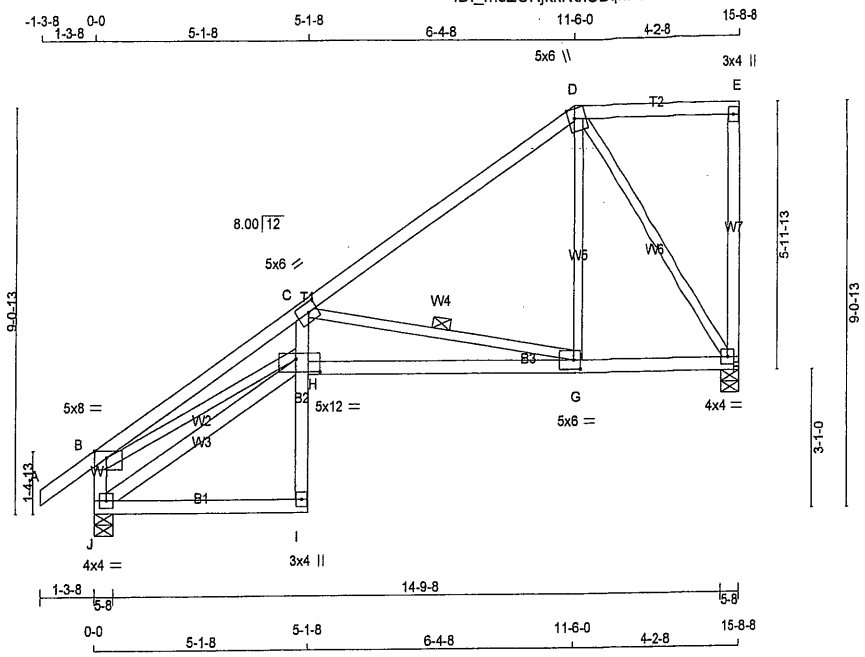

TOTAL WEIGHT = 78 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	Edge	3.50
C	TMVW-t	MT20	5.0	6.0	2.50	2.75
D	TTWW+m	MT20	5.0	6.0	Edge	1.75
E	TMV+p	MT20	3.0	4.0		
F	BMVW1-t	MT20	4.0	4.0		
G	BMWW-t	MT20	5.0	6.0	2.50	2.00
H	BVMWW-l	MT20	5.0	12.0	3.50	7.00
I	BMV+p	MT20	3.0	4.0		
J	BMVW1-t	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
F	1103	0	1103	0	0	5-8	5-8
J	1257	0	1257	0	0	5-8	5-8

ALLOW FOR 0.3" OF HORIZONTAL MOVEMENT DUE TO TOTAL LOAD

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	879	510 / 0	165 / 0	0 / 0	0 / 0	204 / 0	0 / 0
J	985	599 / 0	165 / 0	0 / 0	0 / 0	221 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.20 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 43	-112.4	-112.4	0.15 (1)	10.00
B- C	-3551 / 0	-112.4	-112.4	0.61 (1)	3.20
C- D	-763 / 0	-112.4	-112.4	0.62 (1)	5.85
D- E	0 / 0	-112.4	-112.4	0.34 (1)	10.00
F- E	-237 / 0	0.0	0.0	0.16 (1)	7.81
J- B	-1149 / 0	0.0	0.0	0.12 (1)	7.42
J- I	0 / 63	-28.0	-28.0	0.22 (3)	10.00
I- H	0 / 122	0.0	0.0	0.27 (1)	10.00
H- C	0 / 1309	0.0	0.0	0.47 (1)	10.00
H- G	0 / 3137	-28.0	-28.0	0.66 (1)	10.00
G- F	0 / 620	-28.0	-28.0	0.35 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
C- G	-2579 / 0	0.81 (1)
G- D	0 / 697	0.16 (1)
D- F	-1041 / 0	0.92 (1)
J- H	-74 / 0	0.03 (1)
B- H	0 / 3222	0.73 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.52")
CALCULATED VERT. DEFL.(LL) = L/ 810 (0.23")
ALLOWABLE DEFL.(TL)= L/360 (0.52")
CALCULATED VERT. DEFL.(TL) = L/ 490 (0.38")

CSI: TC=0.62/1.00 (C-D:1) , BC=0.66/1.00 (G-H:1) , WB=0.92/1.00 (D-F:1) , SSI=0.28/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (H) (INPUT = 0.90)
JSI METAL= 0.63 (G) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
41010
S KATSOULIDIS
PROVINCE OF ONTARIO

DWG NO. TAM 18610-18
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286846	T37S	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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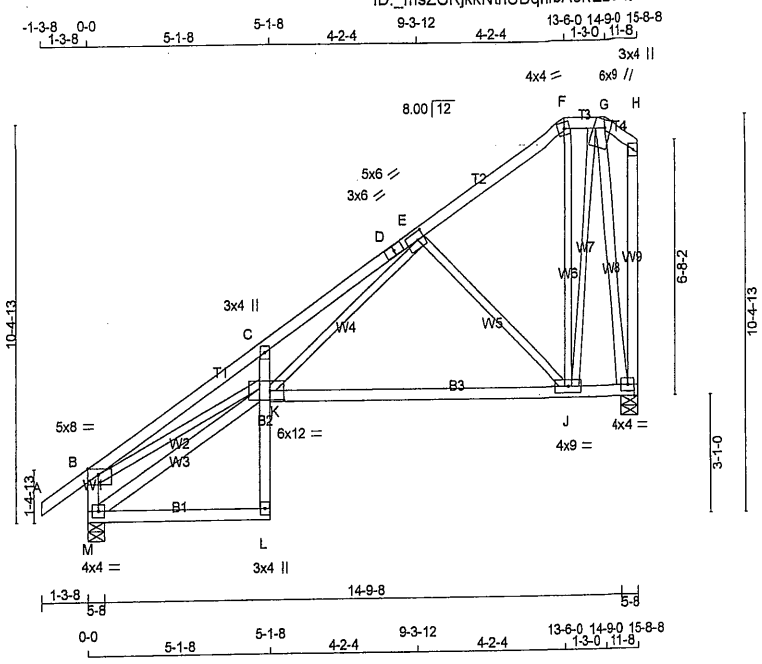

TOTAL WEIGHT = 93 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	Edge	3.50
C	TMV+p	MT20	3.0	4.0		
D	TS-t	MT20	3.0	6.0		
E	TMWW-t	MT20	5.0	6.0	2.50	2.25
F	TTW-m	MT20	4.0	4.0		
G	TTWW+m	MT20	6.0	9.0	Edge	2.00
H	TMV+p	MT20	3.0	4.0		
I	BMVW1-t	MT20	4.0	4.0		
J	BMWWW-t	MT20	4.0	9.0		
K	BVMWWW-l	MT20	6.0	12.0	3.00	4.75
L	BMV+p	MT20	3.0	4.0		
M	BMVW1-t	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
I	1103	0	1103	0	0	5-8	5-8
M	1257	0	1257	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
I	879	510 / 0	165 / 0	0 / 0	0 / 0	204 / 0	0 / 0
M	985	599 / 0	155 / 0	0 / 0	0 / 0	221 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.31 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 43	-112.4	-112.4	0.15 (1)	10.00
B- C	-3366 / 0	-112.4	-112.4	0.59 (1)	3.31
C- D	-3485 / 0	-112.4	-112.4	0.44 (1)	3.43
D- E	-3485 / 0	-112.4	-112.4	0.44 (1)	3.43
E- F	-411 / 0	-112.4	-112.4	0.26 (1)	6.25
F- G	-314 / 0	-112.4	-112.4	0.02 (1)	6.25
G- H	0 / 0	-112.4	-112.4	0.02 (1)	10.00
M- B	-1152 / 0	0.0	0.0	0.12 (1)	7.42
I- H	-55 / 0	0.0	0.0	0.05 (1)	7.81
M- L	0 / 58	-28.0	-28.0	0.22 (3)	10.00
L- K	0 / 122	0.0	0.0	0.25 (1)	10.00
K- C	-573 / 0	0.0	0.0	0.19 (1)	7.81
K- J	0 / 1016	-28.0	-28.0	0.60 (2)	10.00
J- I	0 / 154	-28.0	-28.0	0.54 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
E- J	-980 / 0	0.62 (1)
J- F	-38 / 91	0.04 (1)
M- K	-68 / 0	0.03 (1)
B- K	0 / 3030	0.68 (1)
G- I	-1125 / 0	0.78 (1)
J- G	0 / 1004	0.23 (1)
K- E	0 / 2646	0.60 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.52")
CALCULATED VERT. DEFL.(LL) = L/ 625 (0.30")
ALLOWABLE DEFL.(TL)= L/360 (0.52")
CALCULATED VERT. DEFL.(TL) = L/ 373 (0.51")

CSI: TC=0.59/1.00 (B-C:1) , BC=0.60/1.00 (J-K:2) , WB=0.78/1.00 (G-I:1) , SSI=0.21/1.00 (J-K: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 LEFT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (K) (INPUT = 0.90)
JSI METAL= 0.70 (E) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
41916
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18611 -18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286846	T38	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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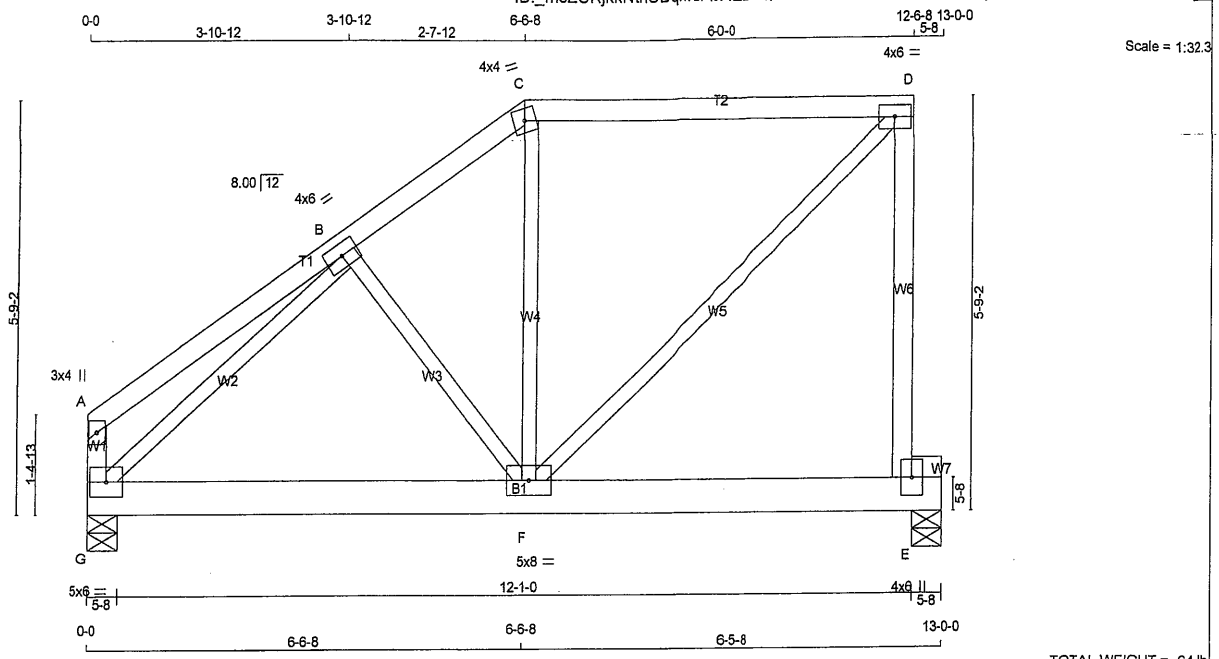

TOTAL WEIGHT = 64 lb

[M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWW-t	MT20	4.0	6.0		
C	TTW-m	MT20	4.0	4.0		
D	TMVW-t	MT20	4.0	6.0		
E	BMVW1+p	MT20	4.0	6.0		
F	BMWWW-t	MT20	5.0	8.0		
G	BMVW1-t	MT20	5.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
E	1440	0	1440	0	0	5-8	5-8
G	1440	0	1440	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	1148	666 / 0	215 / 0	0 / 0	0 / 0	267 / 0	0 / 0
G	1148	666 / 0	215 / 0	0 / 0	0 / 0	267 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 21	-112.4	-112.4		0.22 (1)	10.00
B- C	-1142 / 0	-112.4	-112.4		0.24 (1)	5.63
C- D	-928 / 0	-112.4	-112.4		0.82 (1)	4.66
E- D	-1183 / 0	0.0	0.0		0.68 (1)	7.31
G- A	-175 / 0	0.0	0.0		0.02 (1)	7.81
G- F	0 / 1025	-117.2	-117.2		0.52 (1)	10.00
F- E	0 / 0	-117.2	-117.2		0.38 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
F- C	0 / 255	0.06 (3)
F- D	0 / 1257	0.31 (1)
B- F	-160 / 44	0.06 (1)
G- B	-1401 / 0	0.60 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

GIRDER TYPE: CStdGirder
START DISTANCE = 0-0
START SPAN CARRIED = 5-0-0
END DISTANCE = 13-0-0
END SPAN CARRIED = 5-0-0
END WALL WIDTH = 5-8
APPLIED TO FRONT SIDE OF BOTTOM CHORD.
- ADDT'L LOADS BASED ON 55 % OF GSL.

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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.42")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.42")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.10")

CSI: TC=0.82/1.00 (C-D:1) , BC=0.52/1.00 (F-G:1) , WB=0.60/1.00 (B-G:1) , SSI=0.31/1.00 (F-G:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.83 (D) (INPUT = 0.90)
JSI METAL= 0.34 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM/06/12-18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286846	T39	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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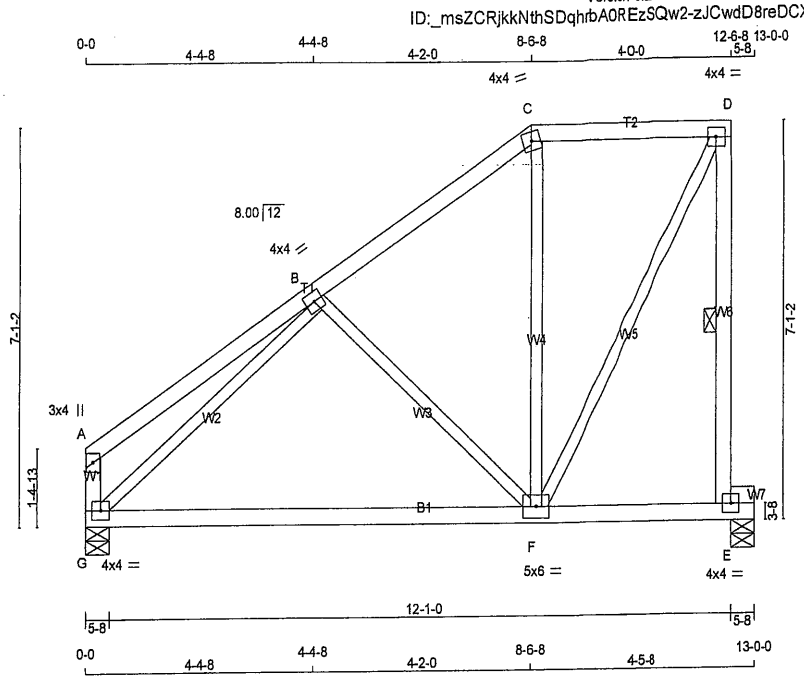

TOTAL WEIGHT = 61 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWW-t	MT20	4.0	4.0		
C	TTW-m	MT20	4.0	4.0		
D	TMVW-t	MT20	4.0	4.0		
E	BMVW1-t	MT20	4.0	4.0		
F	BMWWW-t	MT20	5.0	6.0		
G	BMVW1-t	MT20	4.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
E	881	0	881	0	0	5-8	5-8
G	881	0	881	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	702	407 / 0	132 / 0	0 / 0	0 / 0	163 / 0	0 / 0
G	702	407 / 0	132 / 0	0 / 0	0 / 0	163 / 0	0 / 0

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

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF D-E.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 31	-112.4	-112.4	0.34 (1)	10.00	
B- C	-484 / 0	-112.4	-112.4	0.26 (1)	6.25	
C- D	-372 / 0	-112.4	-112.4	0.23 (1)	6.25	
E- D	-874 / 0	0.0	0.0	0.20 (1)	6.25	
G- A	-189 / 0	0.0	0.0	0.02 (1)	7.81	
G- F	0 / 648	-28.0	-28.0	0.52 (3)	10.00	
F- E	0 / 0	-28.0	-28.0	0.49 (3)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
B- F	-373 / 0	0.22 (1)
F- C	-151 / 84	0.13 (1)
F- D	0 / 749	0.17 (1)
G- B	-878 / 0	0.52 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.42")
CALCULATED VERT. DEFL.(LL) = L/ 723 (0.21")
ALLOWABLE DEFL.(TL)= L/360 (0.42")
CALCULATED VERT. DEFL.(TL) = L/ 433 (0.35")

CSI: TC=0.34/1.00 (A-B:1) , BC=0.52/1.00 (F-G:3) , WB=0.52/1.00 (B-G:1) , SSI=0.21/1.00 (F-G:3)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (D) (INPUT = 0.90)
JSI METAL= 0.29 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4198
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18613 -12
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286846	T40	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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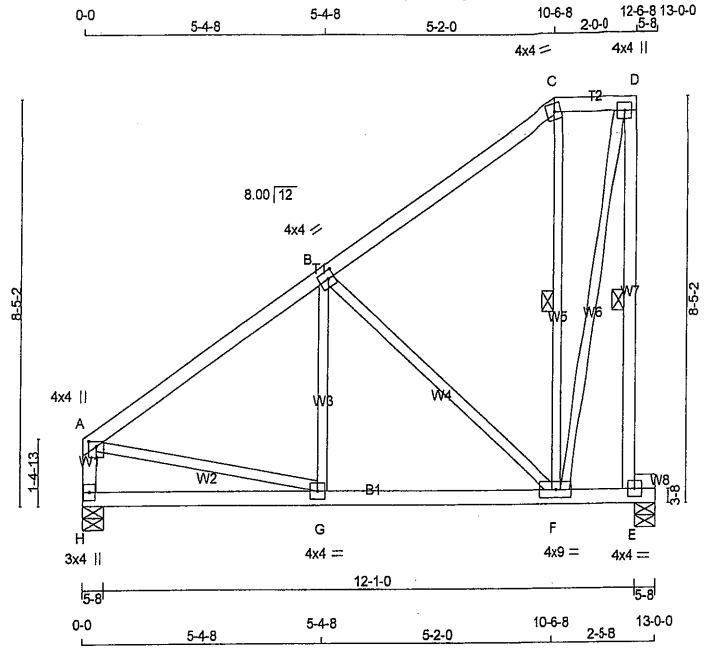

TOTAL WEIGHT = 68 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.25	2.00
B	TMWW-t	MT20	4.0	4.0	2.00	1.50
C	TTW-m	MT20	4.0	4.0		
D	TMVW+p	MT20	4.0	4.0		
E	BMVW1-t	MT20	4.0	4.0		
F	BMWWW-t	MT20	4.0	9.0		
G	BMWW-t	MT20	4.0	4.0		
H	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
E	881	0	881	0	0	5-8	5-8
H	881	0	881	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	702	407 / 0	132 / 0	0 / 0	0 / 0	163 / 0	0 / 0
H	702	407 / 0	132 / 0	0 / 0	0 / 0	163 / 0	0 / 0

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	-778 / 0	-112.4	-112.4	0.41 (1)	6.25	
B- C	-256 / 0	-112.4	-112.4	0.40 (1)	6.25	
C- D	-176 / 0	-112.4	-112.4	0.06 (1)	6.25	
E- D	-866 / 0	0.0	0.0	0.28 (1)	6.25	
H- A	-821 / 0	0.0	0.0	0.08 (1)	7.81	
H- G	0 / 0	-28.0	-28.0	0.22 (3)	10.00	
G- F	0 / 680	-28.0	-28.0	0.28 (2)	10.00	
F- E	0 / 0	-28.0	-28.0	0.09 (3)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
G- B	0 / 244	0.06 (3)
B- F	-670 / 0	0.63 (1)
F- C	-210 / 13	0.10 (1)
F- D	0 / 775	0.17 (1)
A- G	0 / 694	0.16 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.42")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.42")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.06")

CSI: TC=0.41/1.00 (A-B:1) , BC=0.28/1.00 (F-G:2) , WB=0.63/1.00 (B-F:1) , SSI=0.24/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (D) (INPUT = 0.90)
JSI METAL= 0.25 (G) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4016
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 19614-B
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286846	T41	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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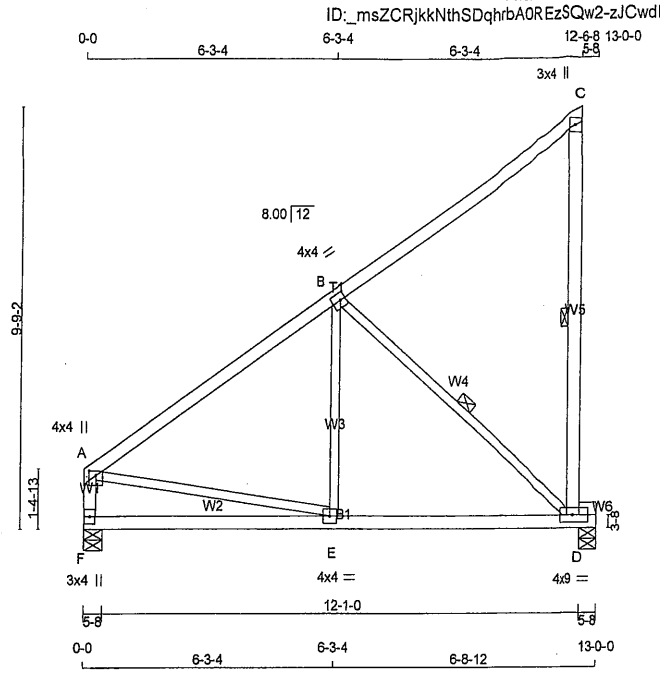

TOTAL WEIGHT = 59 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.25	2.00
B	TMWW-t	MT20	4.0	4.0	2.00	1.50
C	TMV+p	MT20	3.0	4.0		
D	BMVWW1-t	MT20	4.0	9.0		
E	BMWW-t	MT20	4.0	4.0		
F	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
D	881	0	881	0	0	5-8	5-8
F	881	0	881	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	702	407 / 0	132 / 0	0 / 0	0 / 0	163 / 0	0 / 0
F	702	407 / 0	132 / 0	0 / 0	0 / 0	163 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.98 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF C-D, B-D.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	-736 / 0	-112.4	-112.4	0.59 (1)	5.98
B- C	-48 / 0	-112.4	-112.4	0.58 (1)	6.25
D- C	-265 / 0	0.0	0.0	0.12 (1)	6.25
F- A	-813 / 0	0.0	0.0	0.08 (1)	7.81
F- E	- 0 / 0	-28.0	-28.0	0.34 (3)	10.00
E- D	0 / 653	-28.0	-28.0	0.39 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
E- B	0 / 331	0.08 (3)
B- D	-852 / 0	0.37 (1)
A- E	0 / 663	0.15 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	6.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.42")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.42")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.08")

CSI: TC=0.59/1.00 (A-B:1) , BC=0.39/1.00 (D-E:2) , WB=0.37/1.00 (B-D:1) , SSI=0.29/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (A) (INPUT = 0.90)
JSI METAL= 0.24 (E) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4/10/18
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 10615 -18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286846	T42	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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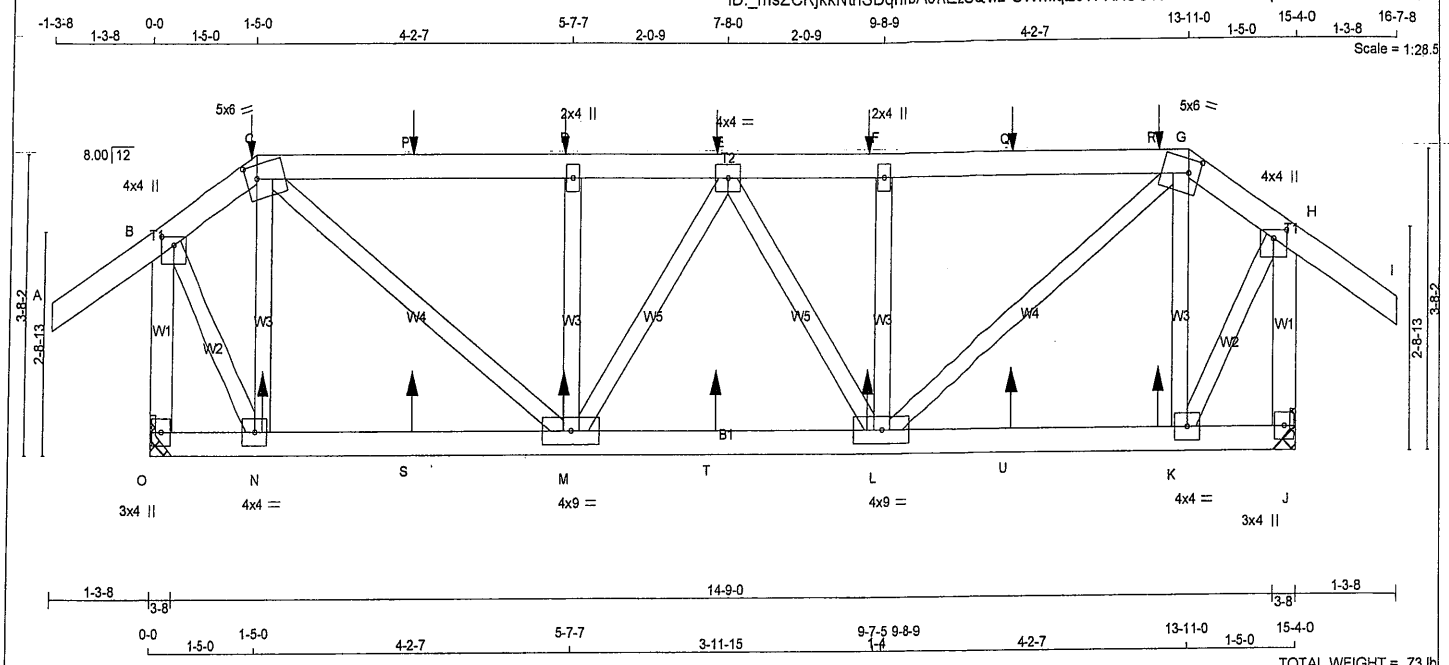

TOTAL WEIGHT = 73 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW+p	MT20	4.0	4.0	1.25	2.00
C	TTWW-m	MT20	5.0	6.0	2.00	1.75
D	TMW+w	MT20	2.0	4.0		
E	TMWW-t	MT20	4.0	4.0		
F	TMW+w	MT20	2.0	4.0		
G	TTWW-m	MT20	5.0	6.0	2.00	1.75
H	TMWW+p	MT20	4.0	4.0	1.25	2.00
J	BMV1+p	MT20	3.0	4.0		
K	BMWW-t	MT20	4.0	4.0		
L	BMWWW-t	MT20	4.0	9.0		
M	BMWWW-t	MT20	4.0	9.0		
N	BMWW-t	MT20	4.0	4.0		
O	BMV1+p	MT20	3.0	4.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 1.0 lbs FACTORED DOWN AND 151.1 lbs FACTORED UP AT 1-5-0, 1.0 lbs FACTORED DOWN AND 151.1 lbs FACTORED UP AT 3-6-4, 1.0 lbs FACTORED DOWN AND 151.1 lbs FACTORED UP AT 5-6-4, 1.0 lbs FACTORED DOWN AND 151.1 lbs FACTORED UP AT 7-6-4, 1.0 lbs FACTORED DOWN AND 151.1 lbs FACTORED UP AT 9-6-4, AND 1.0 lbs FACTORED DOWN AND 151.1 lbs FACTORED UP AT 11-6-4, AND 1.0 lbs FACTORED DOWN AND 151.6 lbs FACTORED UP AT 13-6-4 ON TOP CHORD, AND 1.0 lbs FACTORED DOWN AND 11.1 lbs FACTORED UP AT 1-6-4, 1.0 lbs FACTORED DOWN AND 11.1 lbs FACTORED UP AT 3-6-4, 1.0 lbs FACTORED DOWN AND 11.1 lbs FACTORED UP AT 5-6-4, 1.0 lbs FACTORED DOWN AND 11.1 lbs FACTORED UP AT 7-6-4, 1.0 lbs FACTORED DOWN AND 11.1 lbs FACTORED UP AT 9-6-4, AND 1.0 lbs FACTORED DOWN AND 11.1 lbs FACTORED UP AT 11-6-4, AND 1.0 lbs FACTORED DOWN AND 11.1 lbs FACTORED UP AT 13-6-4 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
O	1202	0	1202	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	
J	1202	0	1202	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

MAX./MIN. COMPONENT REACTIONS

JT	1ST LCASE COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	946	567 / 0	163 / 0	0 / 0	0 / 0	216 / 0	0 / 0
J	946	567 / 0	163 / 0	0 / 0	0 / 0	216 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.59 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (7)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 43	-112.4	-112.4	0.17 (1)	10.00
B- C	-518 / 0	-112.4	-112.4	0.16 (1)	6.25
C- P	-1123 / 0	-112.4	-112.4	0.28 (1)	5.59
P- D	-1123 / 0	-112.4	-112.4	0.28 (1)	5.59
D- E	-1123 / 0	-112.4	-112.4	0.27 (1)	5.60
E- F	-1124 / 0	-112.4	-112.4	0.27 (1)	5.60
F- Q	-1123 / 0	-112.4	-112.4	0.28 (1)	5.59
Q- R	-1123 / 0	-112.4	-112.4	0.28 (1)	5.59
R- G	-1123 / 0	-112.4	-112.4	0.28 (1)	5.59
G- H	-518 / 0	-112.4	-112.4	0.16 (1)	6.25
H- I	0 / 43	-112.4	-112.4	0.17 (1)	10.00
O- B	-1201 / 0	0.0	0.0	0.18 (1)	7.26
J- H	-1201 / 0	0.0	0.0	0.18 (1)	7.26
O- N	0 / 0	-28.0	-28.0	0.09 (7)	10.00
N- S	0 / 377	-28.0	-28.0	0.15 (7)	10.00
S- M	0 / 377	-28.0	-28.0	0.15 (7)	10.00
M- T	0 / 1137	-28.0	-28.0	0.24 (1)	10.00
T- L	0 / 1137	-28.0	-28.0	0.24 (1)	10.00
L- U	0 / 378	-28.0	-28.0	0.15 (7)	10.00
U- K	0 / 378	-28.0	-28.0	0.15 (7)	10.00
K- J	0 / 0	-28.0	-28.0	0.09 (7)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
N- C	-538 / 0	0.12 (1)
C- M	0 / 957	0.24 (1)
M- D	-480 / 0	0.11 (1)
L- F	-480 / 0	0.11 (1)
L- G	0 / 956	0.24 (1)
K- G	-537 / 0	0.12 (1)
B- N	0 / 739	0.18 (1)
K- H	0 / 740	0.18 (1)
M- E	-27 / 1	0.01 (1)
E- L	-26 / 0	0.01 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
C	1-5-0	-0	-1	151	FRONT	VERT	TOTAL
D	5-6-4	-0	-1	151	FRONT	VERT	TOTAL
E	7-6-4	-0	-1	151	FRONT	VERT	TOTAL
F	9-6-4	-0	-1	151	FRONT	VERT	TOTAL
K	13-6-4	8	1	11	FRONT	VERT	TOTAL
L	9-6-4	8	1	11	FRONT	VERT	TOTAL
M	5-6-4	8	1	11	FRONT	VERT	TOTAL
N	1-6-4	8	1	11	FRONT	VERT	TOTAL
P	3-6-4	-0	-1	151	FRONT	VERT	TOTAL
Q	11-6-4	-0	-1	151	FRONT	VERT	TOTAL
R	13-6-4	-0	-1	122	FRONT	VERT	TOTAL
S	3-6-4	8	1	11	FRONT	VERT	TOTAL
T	7-6-4	8	1	11	FRONT	VERT	TOTAL
U	11-6-4	8	1	11	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.51")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.51")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.06")

CSI: TC=0.28/1.00 (F-G:1) , BC=0.24/1.00 (L-M:1) , WB=0.24/1.00 (C-M:1) , SSI=0.24/1.00 (F-G:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (G) (INPUT = 0.90)
JSI METAL= 0.21 (C) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER 41016 S KATSOULAKOS PROVINCE OF ONTARIO

DWG NO. TAM/0616-18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286847	T43	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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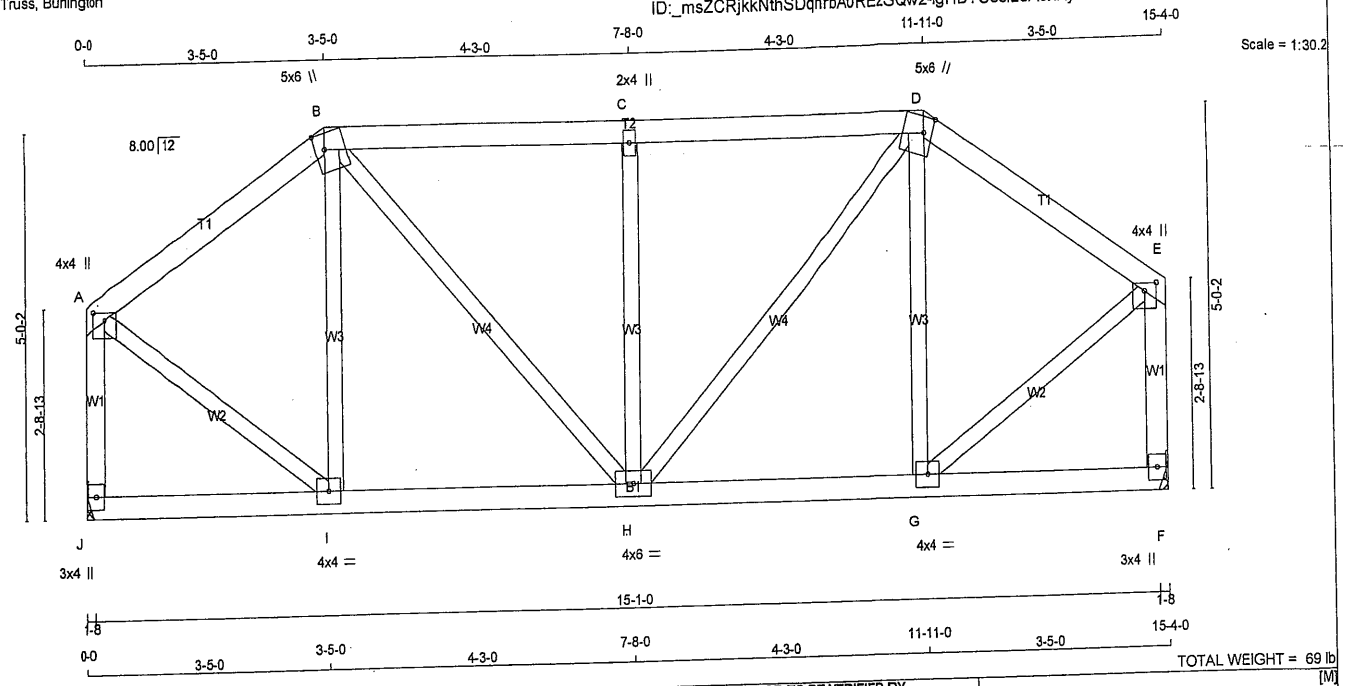

TOTAL WEIGHT = 69 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.25	2.00
B	TTWW+m	MT20	5.0	6.0	2.50	1.50
C	TMW+w	MT20	2.0	4.0		
D	TTWW+m	MT20	5.0	6.0	2.50	1.50
E	TMVW+p	MT20	4.0	4.0	1.25	2.00
F	BMV1+p	MT20	3.0	4.0		
G	BMWW-t	MT20	4.0	4.0		
H	BMWWW-t	MT20	4.0	6.0		
I	BMWW-t	MT20	4.0	4.0		
J	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
J	1077	0	1077	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	
F	1077	0	1077	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	858	498 / 0	161 / 0	0 / 0	0 / 0	199 / 0	0 / 0
F	858	498 / 0	161 / 0	0 / 0	0 / 0	199 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.92 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	-752 / 0	-112.4	-112.4	0.24 (1)	6.25
B- C	-930 / 0	-112.4	-112.4	0.35 (1)	5.92
C- D	-930 / 0	-112.4	-112.4	0.35 (1)	5.92
D- E	-752 / 0	-112.4	-112.4	0.24 (1)	6.25
J- A	-1039 / 0	0.0	0.0	0.15 (1)	7.71
F- E	-1039 / 0	0.0	0.0	0.15 (1)	7.71
J- I	0 / 0	-28.0	-28.0	0.10 (3)	10.00
I- H	0 / 618	-28.0	-28.0	0.17 (2)	10.00
H- G	0 / 618	-28.0	-28.0	0.17 (2)	10.00
G- F	0 / 0	-28.0	-28.0	0.10 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
I- B	-305 / 8	0.11 (1)
B- H	0 / 466	0.10 (1)
H- C	-584 / 0	0.22 (1)
H- D	0 / 466	0.10 (1)
G- D	-305 / 8	0.11 (1)
A- I	0 / 757	0.17 (1)
G- E	0 / 757	0.17 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.51")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.02")
ALLOWABLE DEFL.(TL)= L/360 (0.51")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.04")

CSI: TC=0.35/1.00 (C-D:1) , BC=0.17/1.00 (H-I:2) , WB=0.22/1.00 (C-H:1) , SSI=0.23/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (G) (INPUT = 0.90)
JSI METAL= 0.23 (I) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
41976
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 108625 -18
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286846	T43S	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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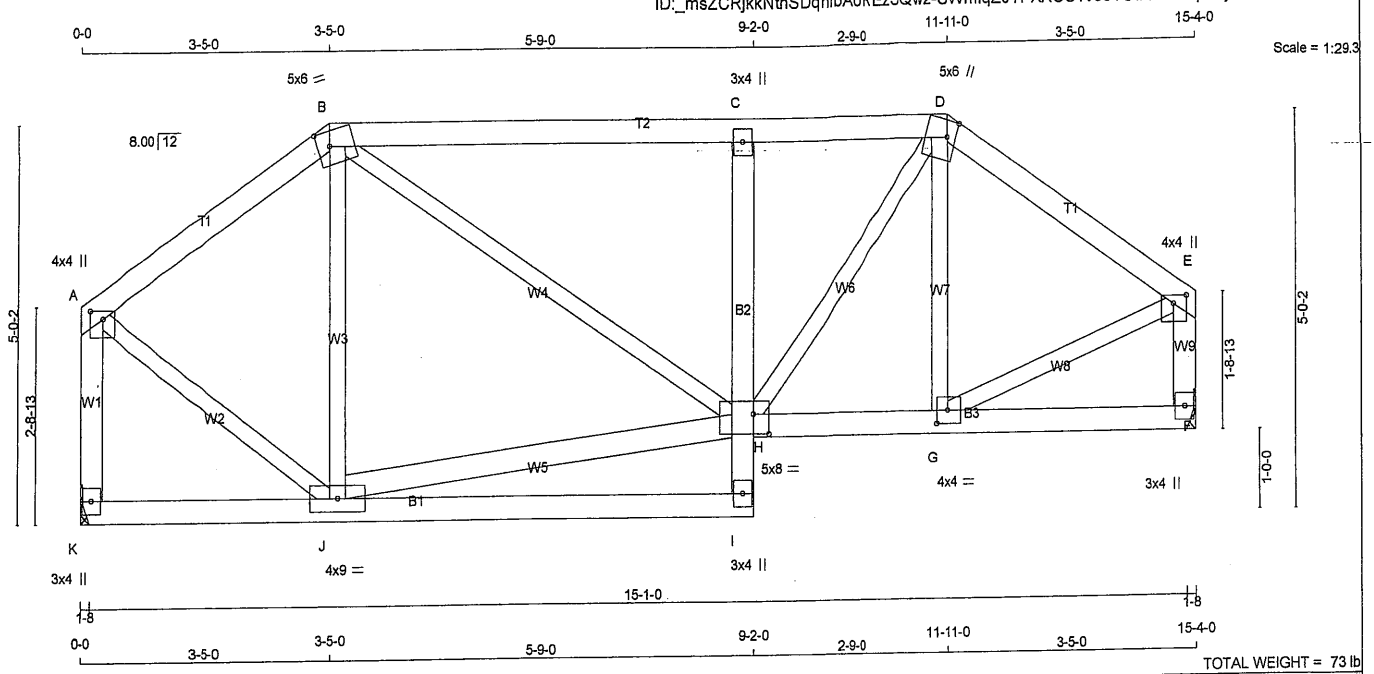

TOTAL WEIGHT = 73 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.25	2.00
B	TTWW-m	MT20	5.0	6.0	2.25	2.00
C	TMV+p	MT20	3.0	4.0		
D	TTWW+m	MT20	5.0	6.0	2.50	1.50
E	TMVW+p	MT20	4.0	4.0	1.25	2.00
F	BMV1+p	MT20	3.0	4.0		
G	BMWW-t	MT20	4.0	4.0	2.00	1.75
H	BVMWWW-l	MT20	5.0	8.0	3.00	2.50
I	BMV+p	MT20	3.0	4.0		
J	BMWWW-t	MT20	4.0	9.0		
K	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
K	1077	0	1077	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	
F	1077	0	1077	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	858	498 / 0	161 / 0	0 / 0	0 / 0	199 / 0	0 / 0
F	858	498 / 0	161 / 0	0 / 0	0 / 0	199 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 CSI (LC)	MAX	MAX. UNBRAC LENGTH
A- B	-754 / 0	-112.4	-112.4	0.24 (1)		6.25
B- C	-1150 / 0	-112.4	-112.4	0.48 (1)		5.26
C- D	-1158 / 0	-112.4	-112.4	0.45 (1)		5.25
D- E	-948 / 0	-112.4	-112.4	0.24 (1)		6.05
K- A	-1052 / 0	0.0	0.0	0.15 (1)		7.68
F- E	-1037 / 0	0.0	0.0	0.11 (1)		7.71
K- J	0 / 0	-28.0	-28.0	0.21 (3)		10.00
J- I	0 / 33	-28.0	-28.0	0.21 (3)		10.00
I- H	0 / 111	0.0	0.0	0.06 (1)		10.00
H- C	-633 / 0	0.0	0.0	0.08 (1)		7.81
H- G	0 / 782	-28.0	-28.0	0.17 (1)		10.00
G- F	0 / 0	-28.0	-28.0	0.09 (3)		10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
J- B	-382 / 20	0.14 (1)
J- H	0 / 601	0.10 (1)
B- H	0 / 630	0.14 (1)
H- D	0 / 612	0.14 (1)
G- D	-207 / 45	0.05 (1)
A- J	0 / 765	0.17 (1)
G- E	0 / 849	0.19 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.51")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.51")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.08")

CSI: TC=0.48/1.00 (B-C:1) , BC=0.21/1.00 (I-J:3) , WB=0.19/1.00 (E-G:1) , SSI=0.29/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.83 (B) (INPUT = 0.90)
JSI METAL= 0.29 (G) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4/97B
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18617 -18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286847	T44	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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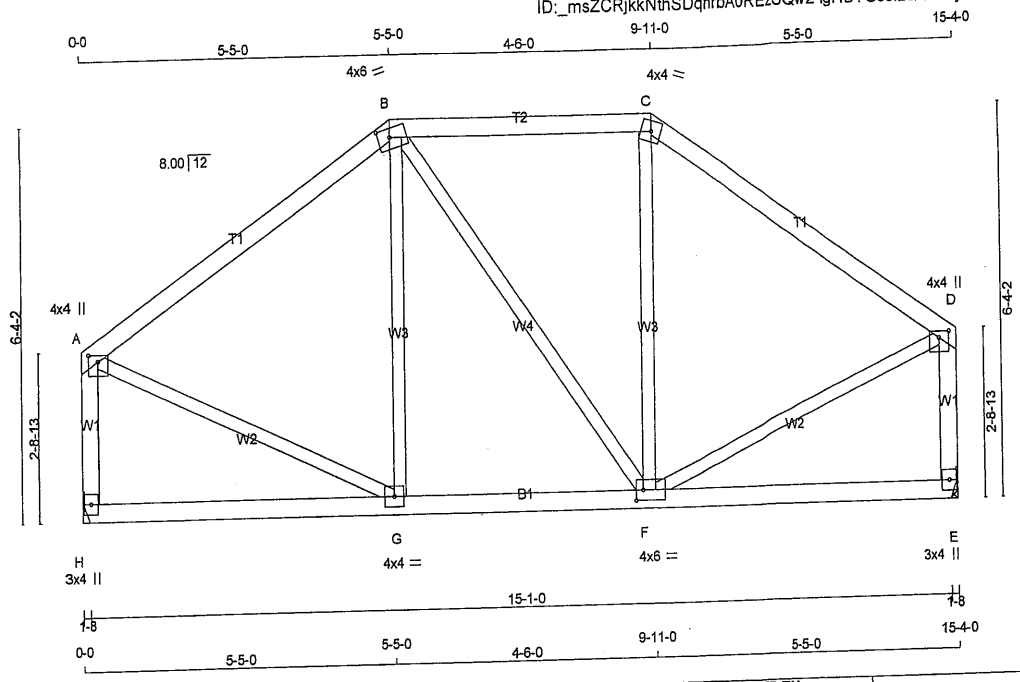

TOTAL WEIGHT = 67 lb
[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.25	2.00
B	TTWW-m	MT20	4.0	6.0	1.75	2.50
C	TTW-m	MT20	4.0	4.0		
D	TMVW+p	MT20	4.0	4.0	1.25	2.00
E	BMV1+p	MT20	3.0	4.0		
F	BMWWW-t	MT20	4.0	6.0	2.00	1.50
G	BMWW-t	MT20	4.0	4.0		
H	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
H	1077	0	1077	0	0	IN-SX	IN-SX
						HANGER BY OTHERS	
						MIN. SEAT SIZE: 1-8	
E	1077	0	1077	0	0	HANGER BY OTHERS	
						MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	858	498 / 0	161 / 0	0 / 0	0 / 0	199 / 0	0 / 0
E	858	498 / 0	161 / 0	0 / 0	0 / 0	199 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.24 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	-769 / 0	-112.4	-112.4	0.43 (1)	6.24
B- C	-637 / 0	-112.4	-112.4	0.30 (1)	6.25
C- D	-769 / 0	-112.4	-112.4	0.43 (1)	6.24
H- A	-1012 / 0	0.0	0.0	0.15 (1)	7.78
E- D	-1011 / 0	0.0	0.0	0.15 (1)	7.78
H- G	0 / 0	-28.0	-28.0	0.19 (3)	10.00
G- F	0 / 637	-28.0	-28.0	0.24 (2)	10.00
F- E	0 / 0	-28.0	-28.0	0.19 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
G- B	-129 / 129	0.08 (1)
B- F	0 / 0	0.00 (1)
F- C	-130 / 130	0.08 (1)
A- G	0 / 697	0.16 (1)
F- D	0 / 697	0.16 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.51")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.51")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.07")

CSI: TC=0.43/1.00 (A-B:1) , BC=0.24/1.00 (F-G:2) , WB=0.16/1.00 (A-G:1) , SSI=0.20/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (G) (INPUT = 0.90)
JSI METAL= 0.24 (G) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4/97
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 196618
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286846	T44S	1	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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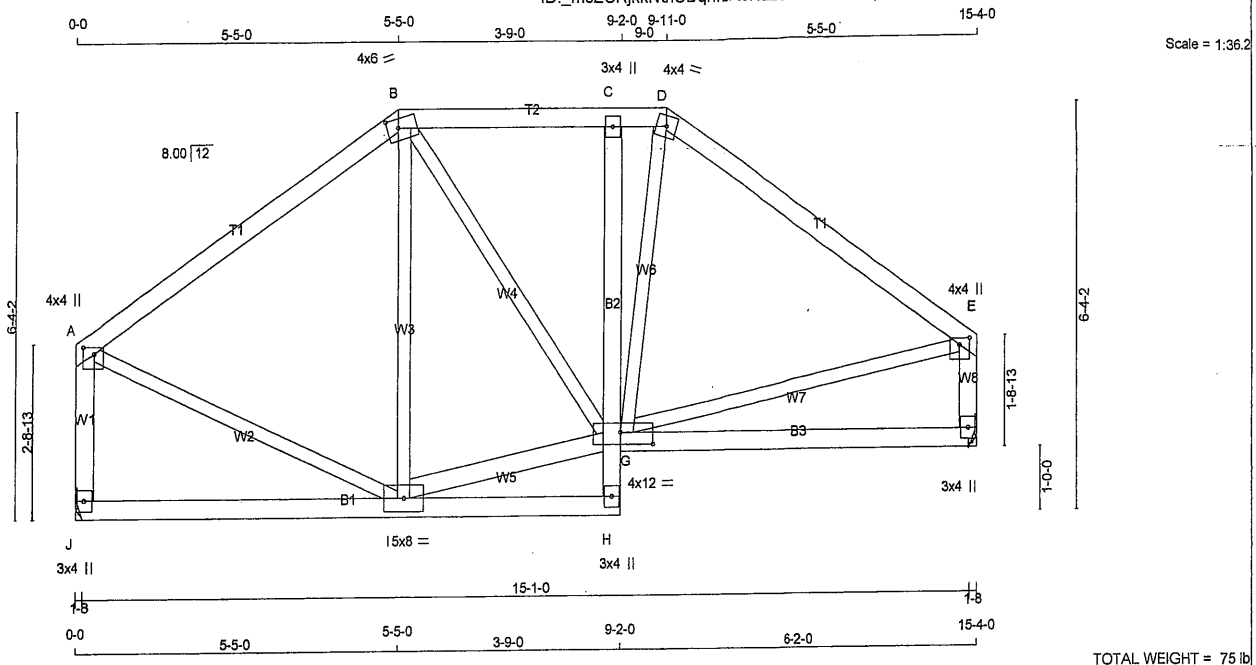

TOTAL WEIGHT = 75 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.25	2.00
B	TTWW-m	MT20	4.0	6.0	1.75	2.25
C	TMV+p	MT20	3.0	4.0		
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	BVMWWWW'+	MT20	4.0	12.0	2.25	6.50
H	BMV+p	MT20	3.0	4.0		
I	BMWWW-t	MT20	5.0	8.0		
J	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
J	1077	0	1077	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	
F	1077	0	1077	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	858	498 / 0	161 / 0	0 / 0	0 / 0	199 / 0	0 / 0
F	858	498 / 0	161 / 0	0 / 0	0 / 0	199 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.83 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	-766 / 0	-112.4	-112.4	0.43 (1)	6.24
B- C	-811 / 0	-112.4	-112.4	0.17 (1)	6.25
C- D	-812 / 0	-112.4	-112.4	0.13 (1)	6.25
D- E	-921 / 0	-112.4	-112.4	0.44 (1)	5.83
J- A	-1015 / 0	0.0	0.0	0.15 (1)	7.77
F- E	-988 / 0	0.0	0.0	0.11 (1)	7.81
J- I	0 / 0	-28.0	-28.0	0.19 (3)	10.00
I- H	0 / 16	-28.0	-28.0	0.20 (3)	10.00
H- G	0 / 52	0.0	0.0	0.03 (1)	10.00
G- C	-399 / 0	0.0	0.0	0.07 (1)	7.81
G- F	0 / 0	-28.0	-28.0	0.35 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
I- B	-295 / 63	0.19 (1)
I- G	0 / 645	0.10 (1)
B- G	0 / 298	0.07 (1)
G- D	0 / 279	0.06 (1)
A- I	0 / 697	0.16 (1)
G- E	0 / 784	0.18 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.51")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.11")
ALLOWABLE DEFL.(TL)= L/360 (0.51")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.18")

CSI: TC=0.44/1.00 (D-E:1) , BC=0.35/1.00 (F-G:3) , WB=0.19/1.00 (B-I:1) , SSI=0.20/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP= 0.88 (B) (INPUT = 0.90)
SI METAL= 0.26 (E) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4/10/18
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 196178
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286846	T45	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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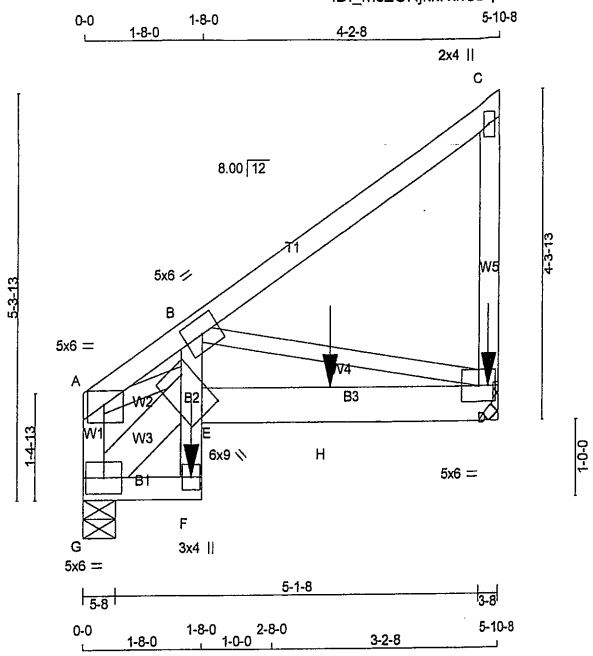

TOTAL WEIGHT = 2 X 32 = 64 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
G- A	1	12	TOP
A- C	1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
G- F	1	12	SIDE(61.0)
F- B	1	2	SIDE(248.9)
E- D	2	12	SIDE(0.0)
WEBS : (0.122"X3") SPIRAL NAILS			
2x3	1	6	
2x4	1	6	
2x6	2	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	2.25	2.75
B	TMVW-t	MT20	5.0	6.0		
C	TMW+w	MT20	2.0	4.0		
D	BMWW1-t	MT20	5.0	6.0		
E	BVMWW-w	MT20	6.0	9.0	1.75	7.25
F	BMV+p	MT20	3.0	4.0		
G	BMVW1-t	MT20	5.0	6.0		

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 1187.8 lbs FACTORED DOWN AT 1-6-4, AND 1048.6 lbs FACTORED DOWN AT 3-5-12, AND 1061.5 lbs FACTORED DOWN AT 5-8-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
G	1687	0	1687	0	0	5-8	5-8
D	2407	0	2407	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1326	798 / 0	227 / 0	0 / 0	0 / 0	300 / 0	0 / 0
D	1900	1132 / 0	335 / 0	0 / 0	0 / 0	433 / 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 = 5.05 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 CSI (LC)	MAX. UNBRAC LENGTH
G- A	-1534 / 0	0.0	0.0	0.09 (1)	7.81
A- B	-3394 / 0	-112.4	-112.4	0.05 (1)	5.05
B- C	-9 / 4	-112.4	-112.4	0.17 (1)	10.00
G- F	0 / 152	-28.0	-28.0	0.02 (1)	10.00
F- E	0 / 1209	0.0	0.0	0.26 (1)	10.00
E- B	0 / 2285	0.0	0.0	0.35 (1)	10.00
E- H	0 / 3091	-28.0	-28.0	0.63 (1)	10.00
H- D	0 / 3091	-28.0	-28.0	0.63 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
G- E	-201 / 0	0.01 (1)
A- E	0 / 2863	0.35 (1)
D- C	-223 / 0	0.02 (1)
B- D	-3167 / 0	0.51 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
D	5-8-12	-1062	-1062	---	BACK	VERT	TOTAL
F	1-6-4	-1188	-1188	---	BACK	VERT	TOTAL
H	3-5-12	-1049	-1049	---	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	6.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/ 967 (0.07")

CSI: TC=0.17/1.00 (B-C:1) , BC=0.63/1.00 (D-E:1) , WB=0.51/1.00 (B-D:1) , SSI=0.21/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (F) (INPUT = 0.90)
JSI METAL= 0.40 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4/10/18
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18619-18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286843	T90	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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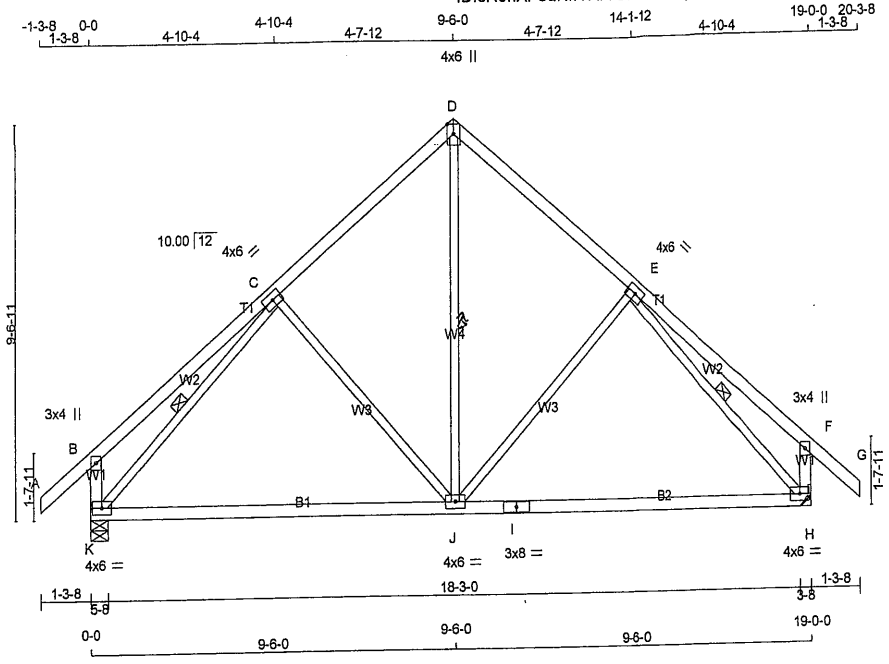

TOTAL WEIGHT = 2 X 86 = 172 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
K - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
K - 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	6.0		
D	TTW+p	MT20	4.0	6.0	Edge	
E	TMWW-t	MT20	4.0	6.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	4.0	6.0		
I	BS-t	MT20	3.0	8.0		
J	BMWWW-t	MT20	4.0	6.0		
K	BMVW1-t	MT20	4.0	6.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
K	1490	0	1490	0	0	5-8	5-8
H	1490	0	1490	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	1170	707 / 0	200 / 0	0 / 0	0 / 0	264 / 0	0 / 0
H	1170	707 / 0	200 / 0	0 / 0	0 / 0	264 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.88 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF C-K, E-H. 1-5/

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00
B- C	0 / 41	-112.4	-112.4	0.42 (1)	10.00
C- D	-978 / 0	-112.4	-112.4	0.33 (1)	5.88
D- E	-978 / 0	-112.4	-112.4	0.33 (1)	5.88
E- F	0 / 41	-112.4	-112.4	0.42 (1)	10.00
F- G	0 / 50	-112.4	-112.4	0.15 (1)	10.00
K- B	-357 / 0	0.0	0.0	0.04 (1)	7.81
H- F	-357 / 0	0.0	0.0	0.04 (1)	7.81
K- J	0 / 930	-28.0	-28.0	0.86 (3)	10.00
J- I	0 / 930	-28.0	-28.0	0.86 (3)	10.00
I- H	0 / 930	-28.0	-28.0	0.86 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
J- D	0 / 789	0.18 (1)
J- E	-311 / 11	0.30 (1)
C- J	-311 / 11	0.30 (1)
K- C	-1389 / 0	0.46 (1)
E- H	-1389 / 0	0.46 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.63")
CALCULATED VERT. DEFL.(LL) = L/ 977 (0.23")
ALLOWABLE DEFL.(TL)= L/360 (0.63")
CALCULATED VERT. DEFL.(TL) = L/ 586 (0.39")

CSI: TC=0.42/1.00 (B-C:1) , BC=0.86/1.00 (J-K:3) , WB=0.46/1.00 (C-K:1) , SSI=0.24/1.00 (J-K:3)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE HEELS OFF

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.84 (E) (INPUT = 0.90)
JSI METAL= 0.49 (I) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4/07
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18583-18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	T90S	2	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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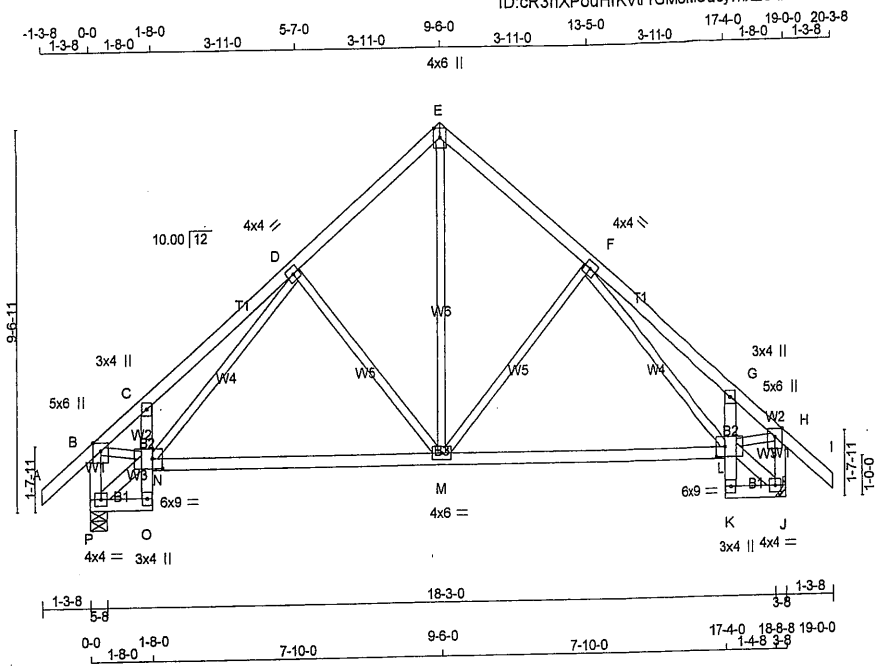

TOTAL WEIGHT = 2 X 94 = 187 lb
[M][F]

LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TMV+p	MT20	3.0	4.0		
D	TMWW-t	MT20	4.0	4.0		
E	TTW+p	MT20	4.0	6.0	Edge	
F	TMWW-t	MT20	4.0	4.0		
G	TMV+p	MT20	3.0	4.0		
H	TMVW+p	MT20	5.0	6.0	Edge	
J	BMVW1-t	MT20	4.0	4.0		
K	BMV+p	MT20	3.0	4.0		
L	BVMWWW-I	MT20	6.0	9.0	3.00	3.25
M	BMWWW-t	MT20	4.0	6.0		
N	BVMWWW-I	MT20	6.0	9.0	3.00	3.25
O	BMV+p	MT20	3.0	4.0		
P	BMVW1-t	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
P	1490	0	1490	0	0	5-8	5-8
J	1490	0	1490	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	1170	707 / 0	200 / 0	0 / 0	0 / 0	264 / 0	0 / 0
J	1170	707 / 0	200 / 0	0 / 0	0 / 0	264 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.17 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00
B- C	-1493 / 0	-112.4	-112.4	0.14 (1)	5.24
C- D	-1459 / 0	-112.4	-112.4	0.25 (1)	5.17
D- E	-1053 / 0	-112.4	-112.4	0.23 (1)	5.87
E- F	-1053 / 0	-112.4	-112.4	0.23 (1)	5.87
F- G	-1459 / 0	-112.4	-112.4	0.25 (1)	5.17
G- H	-1493 / 0	-112.4	-112.4	0.14 (1)	5.24
H- I	0 / 50	-112.4	-112.4	0.15 (1)	10.00
P- B	-1442 / 0	0.0	0.0	0.15 (1)	6.81
J- H	-1442 / 0	0.0	0.0	0.15 (1)	6.81
P- O	0 / 41	-28.0	-28.0	0.02 (2)	10.00
O- N	0 / 37	0.0	0.0	0.06 (1)	10.00
N- C	-237 / 0	0.0	0.0	0.04 (1)	7.81
N- M	0 / 1066	-28.0	-28.0	0.64 (2)	10.00
M- L	0 / 1066	-28.0	-28.0	0.64 (2)	10.00
K- L	0 / 37	0.0	0.0	0.06 (1)	10.00
L- G	-237 / 0	0.0	0.0	0.04 (1)	7.81
K- J	0 / 41	-28.0	-28.0	0.02 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
M- E	0 / 953	0.21 (1)
M- F	-440 / 0	0.31 (1)
F- L	0 / 138	0.03 (2)
D- M	-440 / 0	0.31 (1)
N- D	0 / 138	0.03 (2)
P- N	-49 / 0	0.01 (1)
B- N	0 / 1150	0.26 (1)
L- J	-49 / 0	0.01 (1)
L- H	0 / 1150	0.26 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.63")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.13")
ALLOWABLE DEFL.(TL)= L/360 (0.63")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.22")

CSI: TC=0.25/1.00 (F-G:1) , BC=0.64/1.00 (M-N:2) , WB=0.31/1.00 (D-M:1) , SSI=0.20/1.00 (M-N:3)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (P) (INPUT = 0.90)
JSI METAL= 0.28 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 185772-18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	G90	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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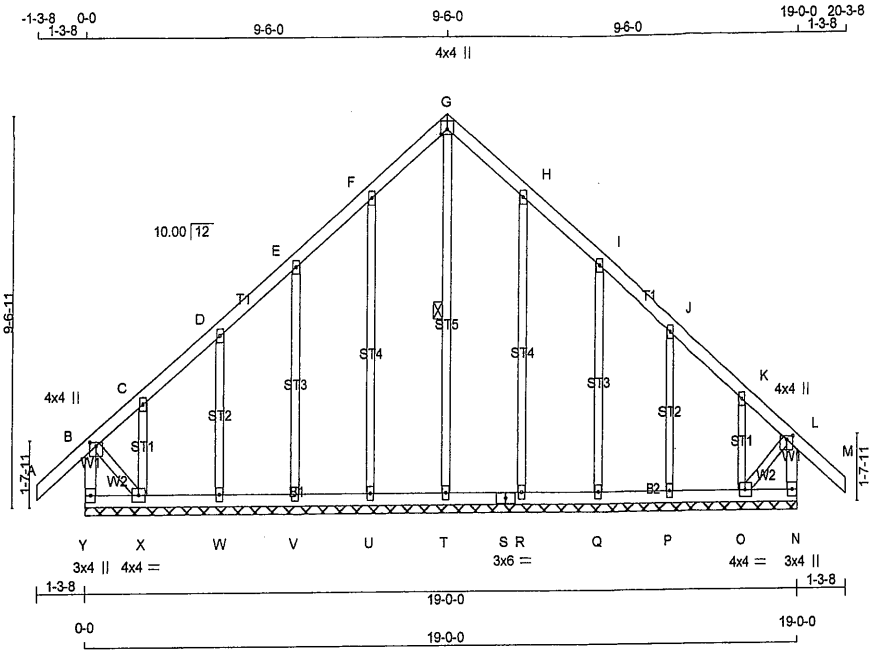

TOTAL WEIGHT = 98 lb

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
Y - B	2x4	DRY	No.2	SPF
A - G	2x4	DRY	No.2	SPF
G - M	2x4	DRY	No.2	SPF
N - L	2x4	DRY	No.2	SPF
Y - S	2x4	DRY	No.2	SPF
S - N	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
ALL GABLE WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C, D, E, F, H, I, J, K						
C	TMW+w	MT20	2.0	4.0		
G	TTW+p	MT20	4.0	4.0	1.50	2.00
L	TMVW+p	MT20	4.0	4.0	1.00	2.00
N	BMV1+p	MT20	3.0	4.0		
O	BMWW1-t	MT20	4.0	4.0		
P, Q, R, T, U, V, W						
P	BMW1+w	MT20	2.0	4.0		
S	BS-t	MT20	3.0	6.0		
X	BMWW1-t	MT20	4.0	4.0		
Y	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF G-T.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
Y- B	-358 / 0	0.0	0.0	0.04 (1)	7.81	
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00	
B- C	-86 / 0	-112.4	-112.4	0.15 (1)	6.25	
C- D	-28 / 0	-112.4	-112.4	0.06 (1)	6.25	
D- E	-33 / 0	-112.4	-112.4	0.06 (1)	6.25	
E- F	-22 / 0	-112.4	-112.4	0.06 (1)	6.25	
F- G	-36 / 0	-112.4	-112.4	0.06 (1)	6.25	
G- H	-36 / 0	-112.4	-112.4	0.06 (1)	6.25	
H- I	-22 / 0	-112.4	-112.4	0.06 (1)	6.25	
I- J	-33 / 0	-112.4	-112.4	0.06 (1)	6.25	
J- K	-28 / 0	-112.4	-112.4	0.06 (1)	6.25	
K- L	-86 / 0	-112.4	-112.4	0.15 (1)	6.25	
L- M	0 / 50	-112.4	-112.4	0.15 (1)	10.00	
N- L	-358 / 0	0.0	0.0	0.04 (1)	7.81	
Y- X	0 / 0	-28.0	-28.0	0.02 (3)	10.00	
X- W	0 / 29	-28.0	-28.0	0.02 (3)	10.00	
W- V	0 / 23	-28.0	-28.0	0.02 (3)	10.00	
V- U	0 / 20	-28.0	-28.0	0.02 (3)	10.00	
U- T	0 / 17	-28.0	-28.0	0.02 (3)	10.00	
T- S	0 / 17	-28.0	-28.0	0.02 (3)	10.00	
S- R	0 / 17	-28.0	-28.0	0.02 (3)	10.00	
R- Q	0 / 20	-28.0	-28.0	0.02 (3)	10.00	
Q- P	0 / 23	-28.0	-28.0	0.02 (3)	10.00	
P- O	0 / 29	-28.0	-28.0	0.02 (3)	10.00	
O- N	0 / 0	-28.0	-28.0	0.02 (3)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
T- G	-162 / 0	0.10 (1)
U- F	-256 / 0	0.30 (1)
V- E	-212 / 0	0.13 (1)
W- D	-240 / 0	0.07 (1)
X- C	-105 / 0	0.02 (1)
R- H	-256 / 0	0.30 (1)
Q- I	-212 / 0	0.13 (1)
P- J	-240 / 0	0.07 (1)
O- K	-105 / 0	0.02 (1)
B- X	0 / 43	0.01 (1)
O- L	0 / 43	0.01 (1)

[M]

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.15/1.00 (L-M:1) , BC=0.02/1.00 (W-X:3) , WB=0.30/1.00 (F-U:1) , SSI=0.09/1.00 (L-M:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.74 (G) (INPUT = 0.90)
JSI METAL= 0.07 (H) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4/06
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM/0578-08
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286845	T91	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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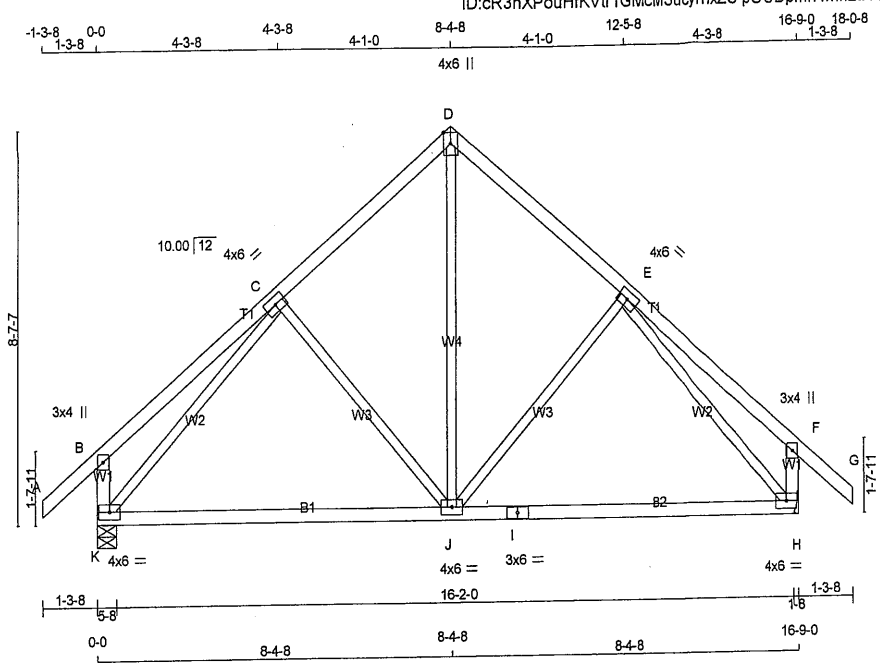

TOTAL WEIGHT = 2 X 77 = 154 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
K - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
K - 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	6.0		
D	TTW+p	MT20	4.0	6.0	Edge	
E	TMWW-t	MT20	4.0	6.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	4.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMWWW-t	MT20	4.0	6.0		
K	BMVW1-t	MT20	4.0	6.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
K	1332	0	1332	0	0	5-8	5-8
H	1332	0	1332	0	0	HANGER BY OTHERS	
						MIN. SEAT SIZE: 1-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	1044	634 / 0	176 / 0	0 / 0	0 / 0	234 / 0	0 / 0
H	1044	634 / 0	176 / 0	0 / 0	0 / 0	234 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00
B- C	0 / 36	-112.4	-112.4	0.32 (1)	10.00
C- D	-846 / 0	-112.4	-112.4	0.25 (1)	6.25
D- E	-846 / 0	-112.4	-112.4	0.25 (1)	6.25
E- F	0 / 36	-112.4	-112.4	0.32 (1)	10.00
F- G	0 / 50	-112.4	-112.4	0.15 (1)	10.00
K- B	-334 / 0	0.0	0.0	0.04 (1)	7.81
H- F	-334 / 0	0.0	0.0	0.04 (1)	7.81
K- J	0 / 792	-28.0	-28.0	0.67 (3)	10.00
J- I	0 / 792	-28.0	-28.0	0.67 (3)	10.00
I- H	0 / 792	-28.0	-28.0	0.67 (3)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
J- D	0 / 674	0.15 (1)
J- E	-256 / 17	0.19 (1)
C- J	-256 / 17	0.19 (1)
K- C	-1205 / 0	0.84 (1)
E- H	-1205 / 0	0.84 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.56")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.14")
ALLOWABLE DEFL.(TL)= L/360 (0.56")
CALCULATED VERT. DEFL.(TL) = L/ 839 (0.24")

CSI: TC=0.32/1.00 (B-C:1) , BC=0.67/1.00 (J-K:3) , WB=0.84/1.00 (C-K:1) , SSI=0.21/1.00 (J-K:3)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.76 (E) (INPUT = 0.90)
JSI METAL= 0.33 (I) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4/12/18
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM18599-18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286844	G91	1	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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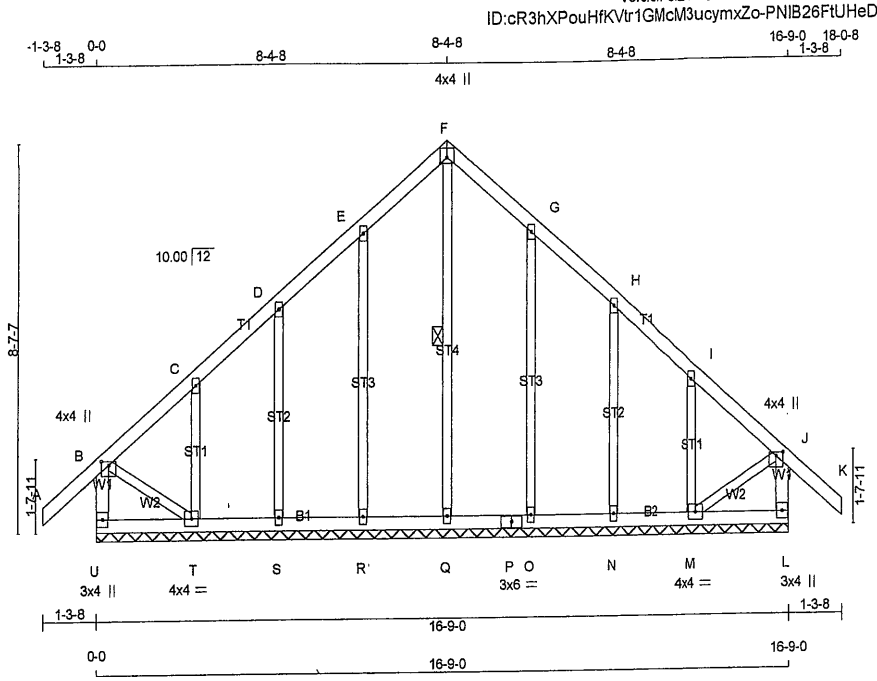

TOTAL WEIGHT = 84 lb [M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
U - B	2x4	DRY	No.2	SPF
A - F	2x4	DRY	No.2	SPF
F - K	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
U - P	2x4	DRY	No.2	SPF
P - L	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
ALL GABLE WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C, D, E, G, H, I						
C	TMW+w	MT20	2.0	4.0		
F	TTW+p	MT20	4.0	4.0	1.50	2.00
J	TMVW+p	MT20	4.0	4.0	1.00	2.00
L	BMV1+p	MT20	3.0	4.0		
M	BMWW1-t	MT20	4.0	4.0		
N, O, Q, R, S						
N	BMW1+w	MT20	2.0	4.0		
P	BS-t	MT20	3.0	6.0		
T	BMWW1-t	MT20	4.0	4.0		
U	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

1 LATERAL BRACE(S) AT 1/ 2 LENGTH OF F-Q.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
U- B	-312 / 0	0.0	0.0	0.03 (1)	7.81	
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00	
B- C	-34 / 0	-112.4	-112.4	0.08 (1)	6.25	
C- D	-48 / 0	-112.4	-112.4	0.08 (1)	6.25	
D- E	-29 / 0	-112.4	-112.4	0.07 (1)	6.25	
E- F	-44 / 0	-112.4	-112.4	0.07 (1)	6.25	
F- G	-44 / 0	-112.4	-112.4	0.07 (1)	6.25	
G- H	-29 / 0	-112.4	-112.4	0.07 (1)	6.25	
H- I	-48 / 0	-112.4	-112.4	0.08 (1)	6.25	
I- J	-34 / 0	-112.4	-112.4	0.08 (1)	6.25	
J- K	0 / 50	-112.4	-112.4	0.15 (1)	10.00	
L- J	-312 / 0	0.0	0.0	0.03 (1)	7.81	
U- T	0 / 0	-28.0	-28.0	0.04 (3)	10.00	
T- S	0 / 30	-28.0	-28.0	0.04 (3)	10.00	
S- R	0 / 27	-28.0	-28.0	0.03 (3)	10.00	
R- Q	0 / 23	-28.0	-28.0	0.03 (3)	10.00	
Q- P	0 / 23	-28.0	-28.0	0.03 (3)	10.00	
P- O	0 / 23	-28.0	-28.0	0.03 (3)	10.00	
O- N	0 / 27	-28.0	-28.0	0.03 (3)	10.00	
N- M	0 / 30	-28.0	-28.0	0.04 (3)	10.00	
M- L	0 / 0	-28.0	-28.0	0.04 (3)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
Q- F	-151 / 0	0.07 (1)
R- E	-258 / 0	0.21 (1)
S- D	-201 / 0	0.08 (1)
T- C	-272 / 0	0.06 (1)
O- G	-258 / 0	0.21 (1)
N- H	-201 / 0	0.08 (1)
M- I	-272 / 0	0.06 (1)
B- T	0 / 44	0.01 (1)
M- J	0 / 44	0.01 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.15/1.00 (J-K:1) , BC=0.04/1.00 (M-N:3) , WB=0.21/1.00 (E-R:1) , SSI=0.09/1.00 (J-K:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.76 (F) (INPUT = 0.90)
JSI METAL= 0.07 (I) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4198
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 10597-18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286844	T92S	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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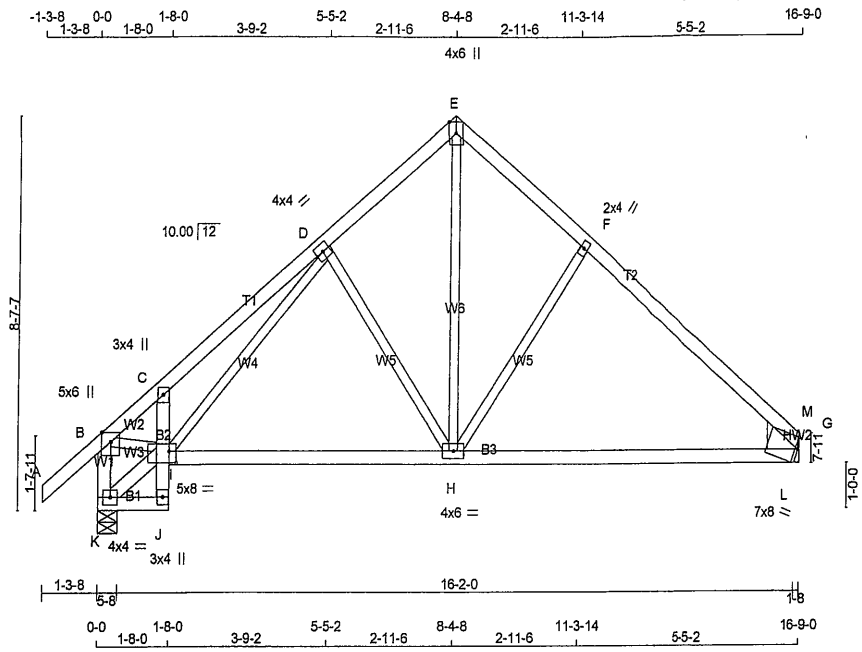

TOTAL WEIGHT = 2 X 74 = 148 lb

[M][F]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TMV+p	MT20	3.0	4.0		
D	TMWW-t	MT20	4.0	4.0		
E	TTW+p	MT20	4.0	6.0	Edge	
F	TMW+w	MT20	2.0	4.0		
G	TMBH1-m	MT20	7.0	8.0	3.00	Edge
H	BMWWW-t	MT20	4.0	6.0		
I	BVMWWW-l	MT20	5.0	8.0	3.00	2.00
J	BMV+p	MT20	3.0	4.0		
K	BMVW1-t	MT20	4.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG	HEEL
G	1170	0	1170	0	0	IN-SX	IN-SX	WEDGE
						HANGER BY OTHERS		2x8 R
						MIN. SEAT SIZE: 1-8		
K	1338	0	1338	0	0	5-8	5-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	933	540 / 0	176 / 0	0 / 0	0 / 0	217 / 0	0 / 0
K	1049	638 / 0	176 / 0	0 / 0	0 / 0	235 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.09 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 50	-112.4	-112.4	0.15 (1)	10.00
B- C	-1308 / 0	-112.4	-112.4	0.13 (1)	5.52
C- D	-1279 / 0	-112.4	-112.4	0.18 (1)	5.52
D- E	-933 / 0	-112.4	-112.4	0.17 (1)	6.22
E- F	-947 / 0	-112.4	-112.4	0.24 (1)	6.09
F- M	-1194 / 0	-112.4	-112.4	0.28 (1)	5.54
M- G	-1596 / 0	-112.4	-112.4	0.16 (1)	5.09
K- B	-1293 / 0	0.0	0.0	0.14 (1)	7.10
K- J	0 / 36	-28.0	-28.0	0.02 (2)	10.00
J- I	0 / 37	0.0	0.0	0.05 (1)	10.00
I- C	-237 / 0	0.0	0.0	0.04 (1)	7.81
I- H	0 / 910	-28.0	-28.0	0.52 (2)	10.00
H- L	0 / 926	-28.0	-28.0	0.52 (2)	10.00
L- G	0 / 926	-28.0	-28.0	0.29 (2)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
H- E	0 / 919	0.21 (1)
D- H	-385 / 0	0.21 (1)
H- F	-420 / 0	0.23 (1)
K- I	-43 / 0	0.00 (1)
B- I	0 / 1006	0.23 (1)
I- D	0 / 137	0.03 (1)
L- M	0 / 698	0.00 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.56")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.11")
ALLOWABLE DEFL.(TL)= L/360 (0.56")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.18")

CSI: TC=0.28/1.00 (F-M:1) , BC=0.52/1.00 (H-L:2) , WB=0.23/1.00 (B-I:1) , SSI=0.43/1.00 (G-L:3)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (G) (INPUT = 0.90)
JSI METAL= 0.25 (B) (INPUT = 1.00)

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PROVINCE OF ONTARIO

DWG NO. TAM 185918
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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286844	T93	4	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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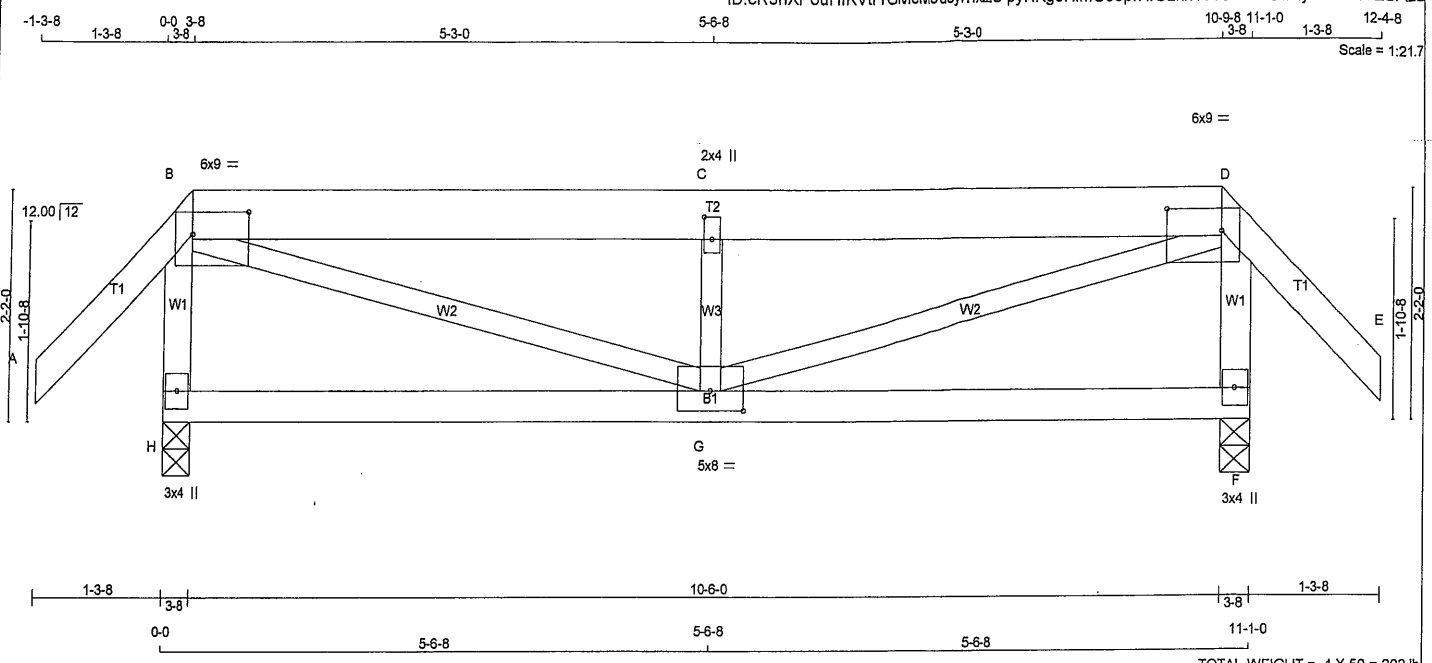

TOTAL WEIGHT = 4 X 50 = 202 lb

[M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TTVW-i	MT20	6.0	9.0	2.50	6.75
C	TMW+w	MT20	2.0	4.0	2.50	1.00
D	TTVW-l	MT20	6.0	9.0	2.50	6.75
F	BMV1+p	MT20	3.0	4.0		
G	BMWWW-t	MT20	5.0	8.0	2.25	4.00
H	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
H	1091	0	1091	0	0	3-8	3-8
F	1091	0	1091	0	0	3-8	3-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	853	451 / 0	116 / 0	0 / 0	0 / 0	286 / 0	0 / 0
F	853	451 / 0	116 / 0	0 / 0	0 / 0	286 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.87 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 73	-134.9	-134.9	0.23 (1)	10.00	
B- C	-1630 / 0	-134.9	-134.9	0.25 (1)	5.87	
C- D	-1630 / 0	-134.9	-134.9	0.25 (1)	5.87	
D- E	0 / 73	-134.9	-134.9	0.23 (1)	10.00	
H- B	-1029 / 0	0.0	0.0	0.11 (1)	7.74	
F- D	-1029 / 0	0.0	0.0	0.11 (1)	7.74	
H- G	0 / 90	-28.0	-28.0	0.29 (3)	10.00	
G- F	0 / 90	-28.0	-28.0	0.29 (3)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
B- G	0 / 1613	0.36 (1)
G- C	-774 / 0	0.11 (1)
G- D	0 / 1613	0.36 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	15.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	65.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.37")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.05")
ALLOWABLE DEFL.(TL)= L/360 (0.37")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.09")

CSI: TC=0.25/1.00 (B-C:1) , BC=0.29/1.00 (F-G:3) , WB=0.36/1.00 (B-G:1) , SSI=0.26/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.81 (D) (INPUT = 0.90)
JSI METAL= 0.25 (G) (INPUT = 1.00)

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PROVINCE OF ONTARIO

DWG NO. TAM | B543-18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286844	T94A	2	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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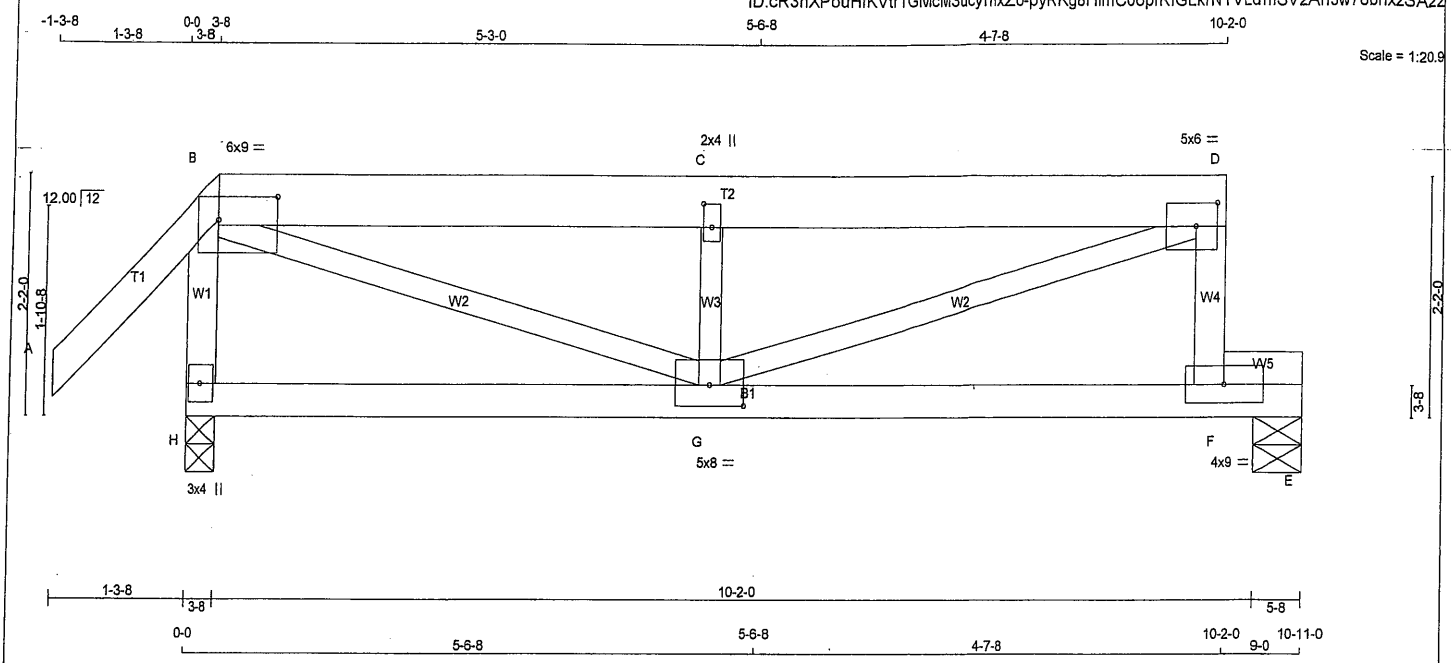

TOTAL WEIGHT = 2 X 46 = 93 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TTVW-I	MT20	6.0	9.0	2.50	6.75
C	TMW+w	MT20	2.0	4.0	2.50	1.00
D	TMVW-t	MT20	5.0	6.0	2.50	2.50
F	BMVW-t	MT20	4.0	9.0		
G	BMWWW-t	MT20	5.0	8.0	2.25	4.00
H	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
H	1071	0	1071	0	0	3-8	3-8
E	794	0	794	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	837	442 / 0	115 / 0	0 / 0	0 / 0	281 / 0	0 / 0
E	642	309 / 0	115 / 0	0 / 0	0 / 0	219 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.93 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 73	-134.9	-134.9	0.23 (1)	10.00
B- C	-1596 / 0	-134.9	-134.9	0.21 (1)	5.96
C- D	-1597 / 0	-134.9	-134.9	0.23 (1)	5.93
H- B	-1042 / 0	0.0	0.0	0.12 (1)	7.69
F- D	-856 / 0	0.0	0.0	0.09 (1)	7.81
H- G	0 / 91	-28.0	-28.0	0.36 (3)	10.00
G- F	0 / 0	-28.0	-28.0	0.80 (1)	10.00
F- E	0 / 0	-28.0	-28.0	0.33 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
B- G	0 / 1590	0.36 (1)
G- C	-737 / 0	0.11 (1)
G- D	0 / 1693	0.38 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	15.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	65.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.36")
CALCULATED VERT. DEFL.(LL) = L/ 734 (0.18")
ALLOWABLE DEFL.(TL)= L/360 (0.36")
CALCULATED VERT. DEFL.(TL) = L/ 385 (0.34")

CSI: TC=0.23/1.00 (A-B:1) , BC=0.80/1.00 (F-G:1) , WB=0.38/1.00 (D-G:1) , SSI=0.31/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (D) (INPUT = 0.90)
JSI METAL= 0.44 (F) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
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S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 185948
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286844	T95	1	2	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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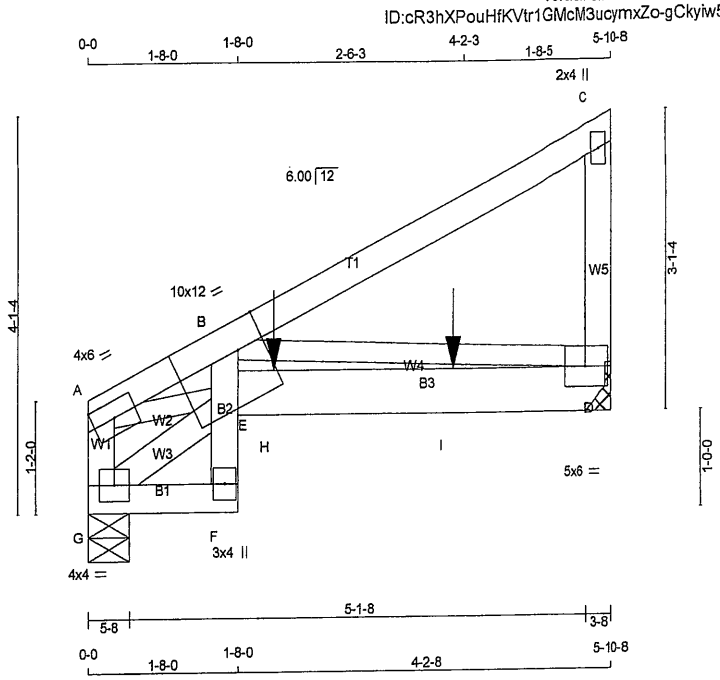

TOTAL WEIGHT = 2 X 28 = 56 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
G- A	1	12	TOP
A- C	1	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
G- F	1	12	TOP
F- B	1	12	TOP
E- D	2	12	SIDE(0.0)
WEBS : (0.122"X3") SPIRAL NAILS			
2x3	1	6	
2x4	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	4.0	6.0		Edge
B						
B	TMBVWWW*-t	MT20	10.0	12.0	Edge	3.50
C	TMW+w	MT20	2.0	4.0		
D	BMWW1-t	MT20	5.0	6.0		
E						
F	BMV+p	MT20	3.0	4.0		
G	BMVW1-t	MT20	4.0	4.0		

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

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 1148.1 lbs FACTORED DOWN AT 2-0-12, AND 1141.7 lbs FACTORED DOWN AT 4-0-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
G	1469	0	1469	0	0	5-8	5-8
D	1618	0	1618	0	0	HANGER BY OTHERS MIN. SEAT SIZE: 3-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	1162	689 / 0	207 / 0	0 / 0	0 / 0	266 / 0	0 / 0
D	1279	760 / 0	227 / 0	0 / 0	0 / 0	292 / 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 = 5.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
G- A	-1293 / 0	0.0	0.0	0.07 (1)	7.81
A- B	-3065 / 0	-112.4	-112.4	0.05 (1)	5.25
B- C	-6 / 5	-112.4	-112.4	0.18 (1)	10.00
G- F	0 / 248	-28.0	-28.0	0.03 (1)	10.00
F- E	0 / 37	0.0	0.0	0.18 (1)	10.00
E- B	0 / 1445	0.0	0.0	0.30 (1)	10.00
E- H	0 / 3084	-28.0	-28.0	0.74 (1)	10.00
H- I	0 / 3084	-28.0	-28.0	0.74 (1)	10.00
I- D	0 / 3084	-28.0	-28.0	0.74 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
G- E	-292 / 0	0.02 (1)
A- E	0 / 2746	0.34 (1)
D- C	-231 / 0	0.02 (1)
B- D	-3112 / 0	0.49 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
H	2-0-12	-1148	-1148	—	FRONT	VERT	TOTAL
I	4-0-12	-1142	-1142	—	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	6.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/ 758 (0.09")

CSI: TC=0.18/1.00 (B-C:1) , BC=0.74/1.00 (D-E:1) , WB=0.49/1.00 (B-D:1) , SSI=0.50/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (B) (INPUT = 0.90)
JSI METAL= 0.39 (D) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4/10/18
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 18595-18
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286842	P1	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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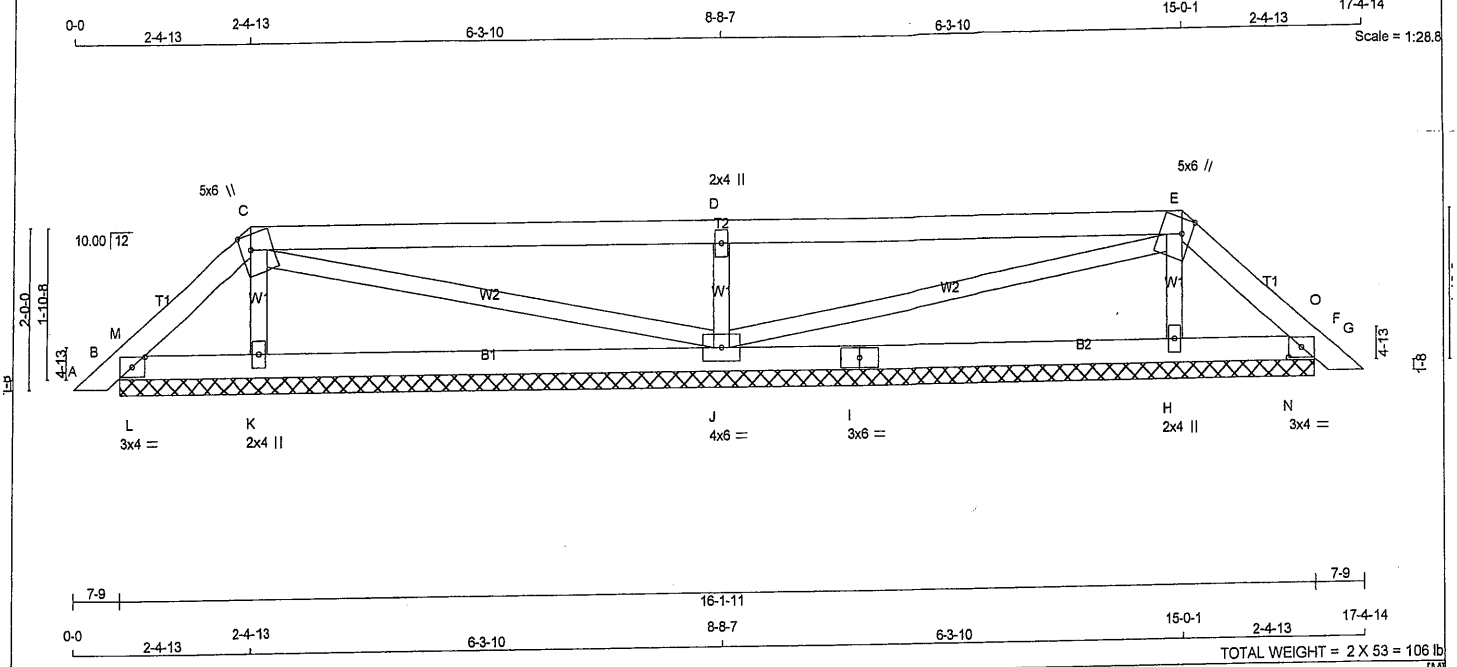

TOTAL WEIGHT = 2 X 53 = 106 lb [M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
B - I	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	TMB1-I	MT20	3.0	4.0	1.50	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	TMB1-I	MT20	3.0	4.0	1.50	2.00
H	BMW1+w	MT20	2.0	4.0		
I	BS-t	MT20	3.0	6.0		
J	BMWWW1-t	MT20	4.0	6.0		
K	BMW1+w	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
B	195	0	195	0	0	16-1-11	(6-2-11E)1-11
K	460	0	460	0	0	16-1-11	(6-2-11E)1-11
J	1078	0	1078	0	0	16-1-11	(6-2-11E)1-11
H	460	0	460	0	0	16-1-11	(6-2-11E)1-11
F	195	0	195	0	0	16-1-11	(6-2-11E)1-11

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	125	121 / 0	0 / -10	0 / 0	0 / 0	15 / 0	0 / 0
K	399	180 / 0	111 / 0	0 / 0	0 / 0	108 / 0	0 / 0
J	841	517 / 0	137 / 0	0 / 0	0 / 0	187 / 0	0 / 0
H	399	180 / 0	111 / 0	0 / 0	0 / 0	108 / 0	0 / 0
F	125	121 / 0	0 / -10	0 / 0	0 / 0	15 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 18	-112.4	-112.4	0.02 (1)	10.00
B- M	-17 / 60	-112.4	-112.4	0.04 (3)	6.25
M- C	-78 / 0	-112.4	-112.4	0.03 (1)	6.25
C- D	-11 / 2	-112.4	-112.4	0.76 (1)	6.25
D- E	-11 / 2	-112.4	-112.4	0.76 (1)	6.25
E- O	-78 / 0	-112.4	-112.4	0.03 (1)	6.25
O- F	-17 / 60	-112.4	-112.4	0.04 (3)	6.25
F- G	0 / 18	-112.4	-112.4	0.02 (1)	10.00
B- L	0 / 53	-28.0	-28.0	0.06 (1)	10.00
L- K	0 / 53	-28.0	-28.0	0.17 (3)	10.00
K- J	-2 / 34	-28.0	-28.0	0.25 (3)	10.00
J- I	-2 / 34	-28.0	-28.0	0.25 (3)	10.00
I- H	-2 / 34	-28.0	-28.0	0.25 (3)	10.00
H- N	0 / 53	-28.0	-28.0	0.17 (3)	10.00
N- F	0 / 53	-28.0	-28.0	0.06 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
K- C	-289 / 0	0.04 (1)
C- J	-23 / 0	0.02 (1)
J- D	-885 / 0	0.13 (1)
J- E	-23 / 0	0.02 (1)
H- E	-289 / 0	0.04 (1)
L- M	-183 / 0	0.00 (1)
N- O	-183 / 0	0.00 (1)

LICENSED PROFESSIONAL ENGINEER
4/10/18
S. KATSOULAROS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.76/1.00 (D-E:1) , BC=0.25/1.00 (J-K:3) , WB=0.13/1.00 (D-J:1) , SSI=0.35/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.72 (J) (INPUT = 0.90)
JSI METAL= 0.16 (D) (INPUT = 1.00)

DWG NO. TAM 185798
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286842	P2	2	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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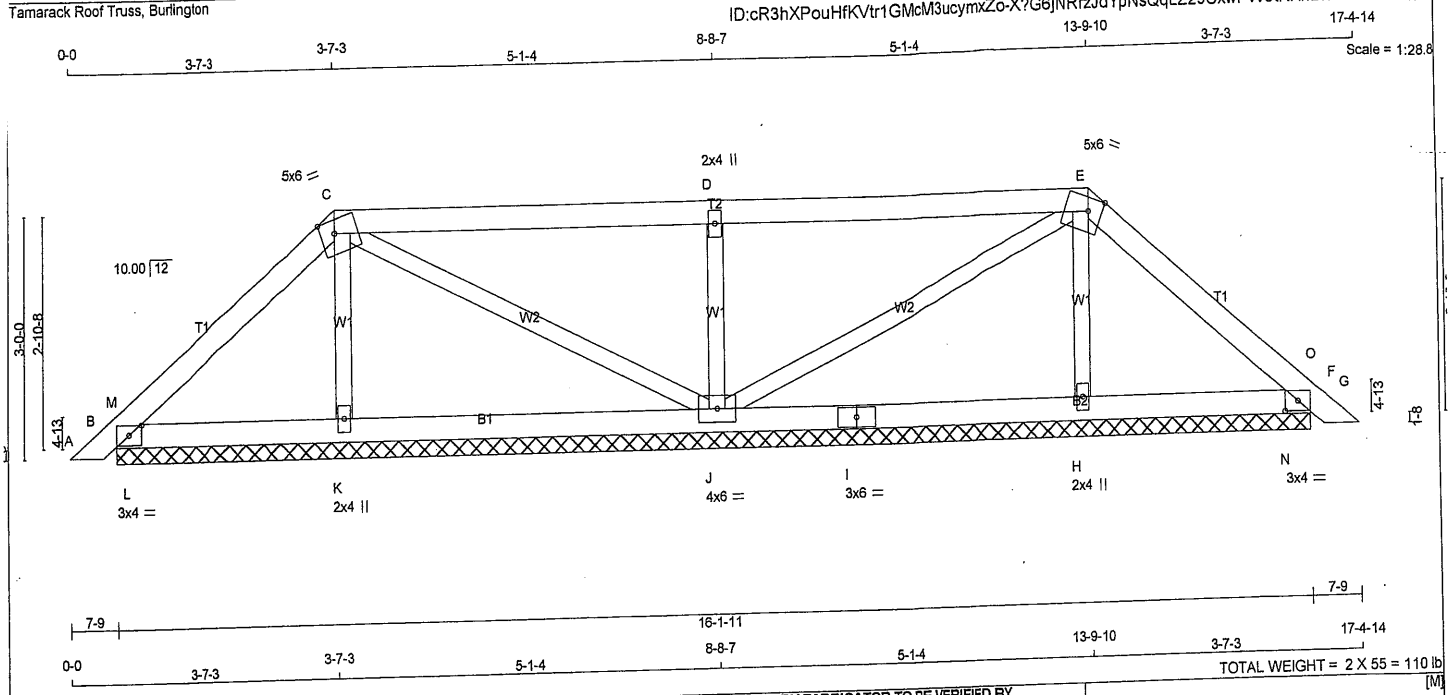

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
B - I	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	TMB1-I	MT20	3.0	4.0	1.50	2.00
C	TTWW-m	MT20	5.0	6.0	2.00	2.25
D	TMW+w	MT20	2.0	4.0		
E	TTWW-m	MT20	5.0	6.0	2.00	2.25
F	TMB1-I	MT20	3.0	4.0	1.50	2.00
H	BMW1+w	MT20	2.0	4.0		
I	BS-t	MT20	3.0	6.0		
J	BMWWW1-t	MT20	4.0	6.0		
K	BMW1+w	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
B	327	0	327	0	0	16-1-11 (6-2-11E)	1-11
K	413	0	413	0	0	16-1-11 (6-2-11E)	1-11
J	908	0	908	0	0	16-1-11 (6-2-11E)	1-11
H	413	0	413	0	0	16-1-11 (6-2-11E)	1-11
F	327	0	327	0	0	16-1-11 (6-2-11E)	1-11

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	241	171 / 0	23 / 0	0 / 0	0 / 0	47 / 0	0 / 0
K	351	168 / 0	91 / 0	0 / 0	0 / 0	92 / 0	0 / 0
J	706	439 / 0	111 / 0	0 / 0	0 / 0	155 / 0	0 / 0
H	351	168 / 0	91 / 0	0 / 0	0 / 0	92 / 0	0 / 0
F	241	171 / 0	23 / 0	0 / 0	0 / 0	47 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 18	-112.4	-112.4	0.02 (1)		10.00
B- M	-30 / 0	-112.4	-112.4	0.05 (1)		6.25
M- C	-125 / 0	-112.4	-112.4	0.12 (1)		6.25
C- D	-23 / 0	-112.4	-112.4	0.50 (1)		6.25
D- E	-23 / 0	-112.4	-112.4	0.50 (1)		6.25
E- O	-125 / 0	-112.4	-112.4	0.12 (1)		6.25
O- F	-30 / 0	-112.4	-112.4	0.05 (1)		6.25
F- G	0 / 18	-112.4	-112.4	0.02 (1)		10.00
B- L	0 / 89	-28.0	-28.0	0.12 (1)		10.00
L- K	0 / 89	-28.0	-28.0	0.13 (2)		10.00
K- J	0 / 78	-28.0	-28.0	0.16 (3)		10.00
J- I	0 / 78	-28.0	-28.0	0.16 (3)		10.00
I- H	0 / 78	-28.0	-28.0	0.16 (3)		10.00
H- N	0 / 89	-28.0	-28.0	0.13 (2)		10.00
N- F	0 / 89	-28.0	-28.0	0.12 (1)		10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
K- C	-252 / 0	0.04 (1)
C- J	-62 / 0	0.03 (1)
J- D	-716 / 0	0.12 (1)
J- E	-62 / 0	0.03 (1)
H- E	-252 / 0	0.04 (1)
L- M	-314 / 0	0.00 (1)
N- O	-314 / 0	0.00 (1)

LICENSED PROFESSIONAL ENGINEER
41088
S. KATSOULAKOS
PROVINCE OF ONTARIO

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.50/1.00 (D-E:1) , BC=0.16/1.00 (J-K:3) , WB=0.12/1.00 (D-J:1) , SSI=0.28/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.72 (C) (INPUT = 0.90)
JSI METAL= 0.13 (D) (INPUT = 1.00)

DWG NO. TAM 18580-48
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286846	P3	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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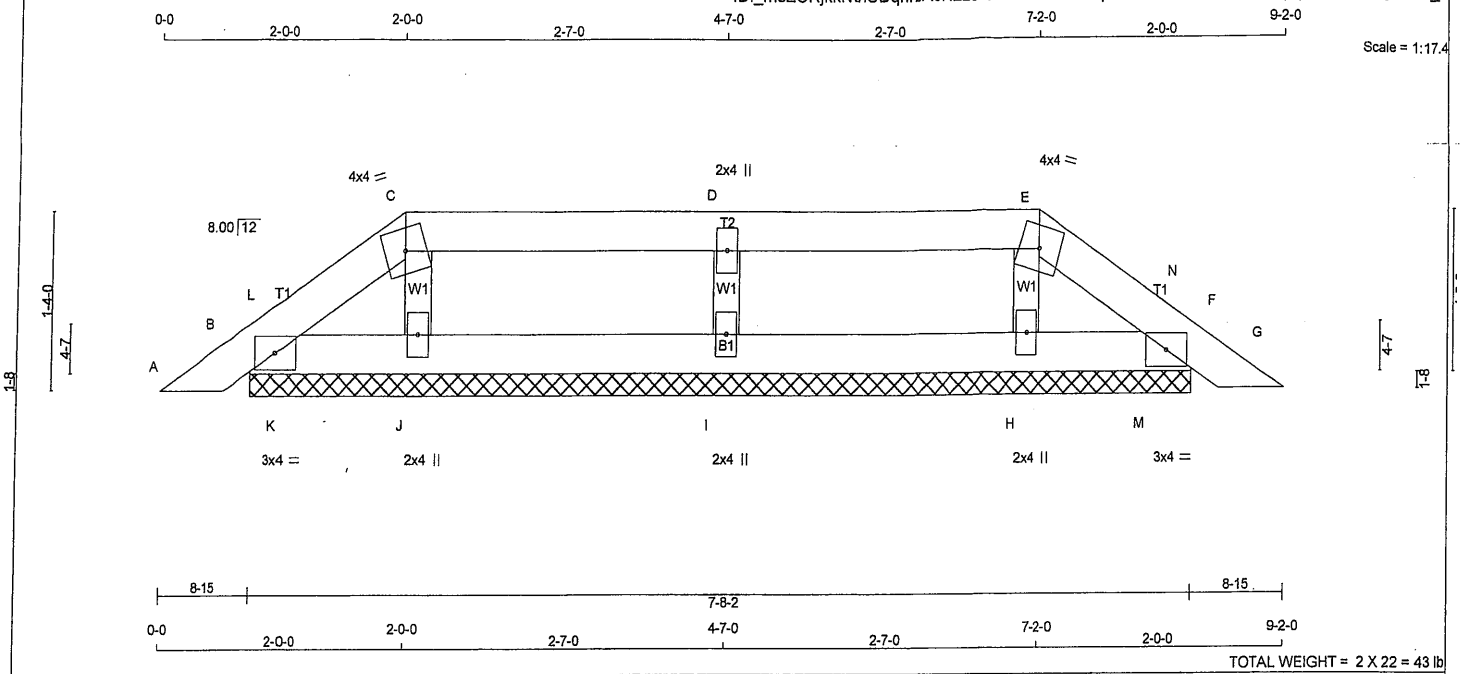

TOTAL WEIGHT = 2 X 22 = 43 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
B - 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	TMB1-I	MT20	3.0	4.0		
C	TTW-m	MT20	4.0	4.0		
D	TMW+w	MT20	2.0	4.0		
E	TTW-m	MT20	4.0	4.0		
F	TMB1-I	MT20	3.0	4.0		
H, I, J						
H	BMW1+w	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
B	174	0	174	0	0	7-8-2	7-8-2
F	174	0	174	0	0	7-8-2	7-8-2
J	224	0	224	0	0	7-8-2	7-8-2
H	224	0	224	0	0	7-8-2	7-8-2
I	431	0	431	0	0	7-8-2	7-8-2

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	126	94 / 0	8 / 0	0 / 0	0 / 0	23 / 0	0 / 0
F	126	94 / 0	8 / 0	0 / 0	0 / 0	23 / 0	0 / 0
J	187	95 / 0	45 / 0	0 / 0	0 / 0	47 / 0	0 / 0
H	187	95 / 0	45 / 0	0 / 0	0 / 0	47 / 0	0 / 0
I	337	206 / 0	55 / 0	0 / 0	0 / 0	75 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 19	-112.4	-112.4	0.04 (1)	10.00
B- L	-37 / 0	-112.4	-112.4	0.00 (1)	6.25
L- C	-33 / 0	-112.4	-112.4	0.02 (1)	6.25
C- D	-11 / 0	-112.4	-112.4	0.13 (1)	6.25
D- E	-11 / 0	-112.4	-112.4	0.13 (1)	6.25
E- N	-33 / 0	-112.4	-112.4	0.02 (1)	6.25
N- F	-37 / 0	-112.4	-112.4	0.00 (1)	6.25
F- G	0 / 19	-112.4	-112.4	0.04 (1)	10.00
B- K	0 / 28	-28.0	-28.0	0.03 (1)	10.00
K- J	0 / 28	-28.0	-28.0	0.03 (2)	10.00
J- I	0 / 11	-28.0	-28.0	0.04 (3)	10.00
I- H	0 / 11	-28.0	-28.0	0.04 (3)	10.00
H- M	0 / 28	-28.0	-28.0	0.03 (2)	10.00
M- F	0 / 28	-28.0	-28.0	0.03 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
J- C	-146 / 0	0.02 (1)
H- E	-146 / 0	0.02 (1)
I- D	-362 / 0	0.05 (1)
K- L	-64 / 0	0.00 (1)
M- N	-64 / 0	0.00 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.13/1.00 (D-E:1) , BC=0.04/1.00 (I-J:3) , WB=0.05/1.00 (D-I:1) , SSI=0.14/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.19 (D) (INPUT = 0.90)
JSI METAL= 0.07 (D) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4/10/18
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PROVINCE OF ONTARIO

DWG NO. TAM 18621.18
STRUCTURAL
COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286846	P4	2	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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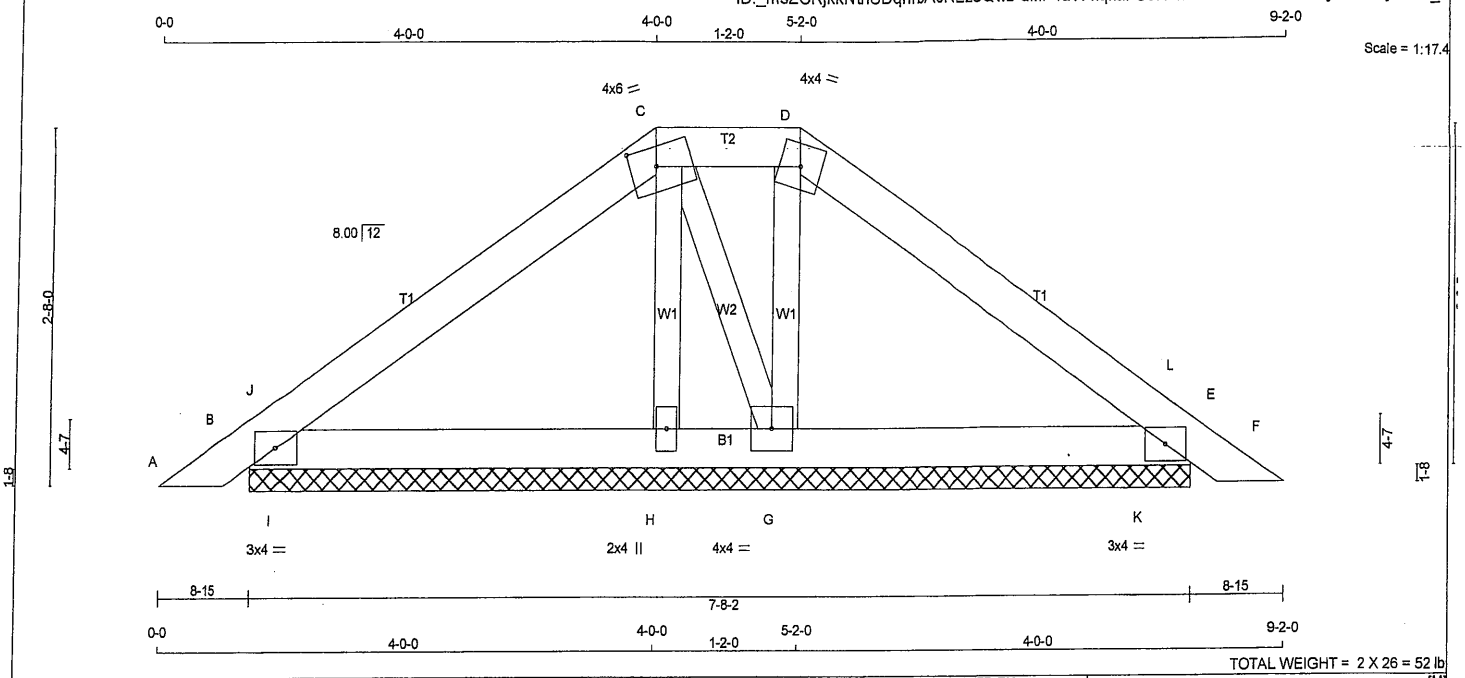

TOTAL WEIGHT = 2 X 26 = 52 lb

[M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TTWW-m	MT20	4.0	6.0	1.75	2.50
D	TTW-m	MT20	4.0	4.0		
E	TMB1-I	MT20	3.0	4.0		
G	BMWW1-t	MT20	4.0	4.0		
H	BMW1+w	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
B	358	0	358	0	0	7-8-2	7-8-2
E	343	0	343	0	0	7-8-2	7-8-2
H	201	0	201	0	0	7-8-2	7-8-2
G	325	0	325	0	0	7-8-2	7-8-2

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	272	180 / 0	35 / 0	0 / 0	0 / 0	57 / 0	0 / 0
E	261	171 / 0	35 / 0	0 / 0	0 / 0	55 / 0	0 / 0
H	172	81 / 0	46 / 0	0 / 0	0 / 0	46 / 0	0 / 0
G	256	153 / 0	45 / 0	0 / 0	0 / 0	58 / 0	0 / 0

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

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 19	-112.4	-112.4	0.04 (1)	10.00
B- J	-82 / 0	-112.4	-112.4	0.04 (1)	6.25
J- C	-130 / 0	-112.4	-112.4	0.15 (1)	6.25
C- D	-72 / 0	-112.4	-112.4	0.03 (1)	6.25
D- L	-103 / 0	-112.4	-112.4	0.15 (1)	6.25
L- E	-72 / 0	-112.4	-112.4	0.04 (1)	6.25
E- F	0 / 19	-112.4	-112.4	0.04 (1)	10.00
B- I	0 / 102	-28.0	-28.0	0.13 (1)	10.00
I- H	0 / 102	-28.0	-28.0	0.13 (1)	10.00
H- G	0 / 98	-28.0	-28.0	0.10 (1)	10.00
G- K	0 / 80	-28.0	-28.0	0.13 (1)	10.00
K- E	0 / 80	-28.0	-28.0	0.13 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
H- C	-98 / 0	0.02 (1)
C- G	-59 / 0	0.01 (1)
G- D	-167 / 0	0.03 (1)
I- J	-285 / 44	0.00 (1)
K- L	-288 / 43	0.00 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	32.5	PSF
	DL =	6.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	56.0	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 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.15/1.00 (C-J:1) , BC=0.13/1.00 (B-I:1) , WB=0.03/1.00 (D-G:1) , SSI=0.23/1.00 (E-K:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.28 (B) (INPUT = 0.90)
JSI METAL= 0.07 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
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S KATSOULAKIS
PROVINCE OF ONTARIO

DWG NO. TAM 10622 .08
STRUCTURAL COMPONENT ONLY

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC. OBC2012_6TCDL	DRWG NO.
286846	P5	4	1	TRUSS DESC.	

Tamarack Roof Truss, Burlington

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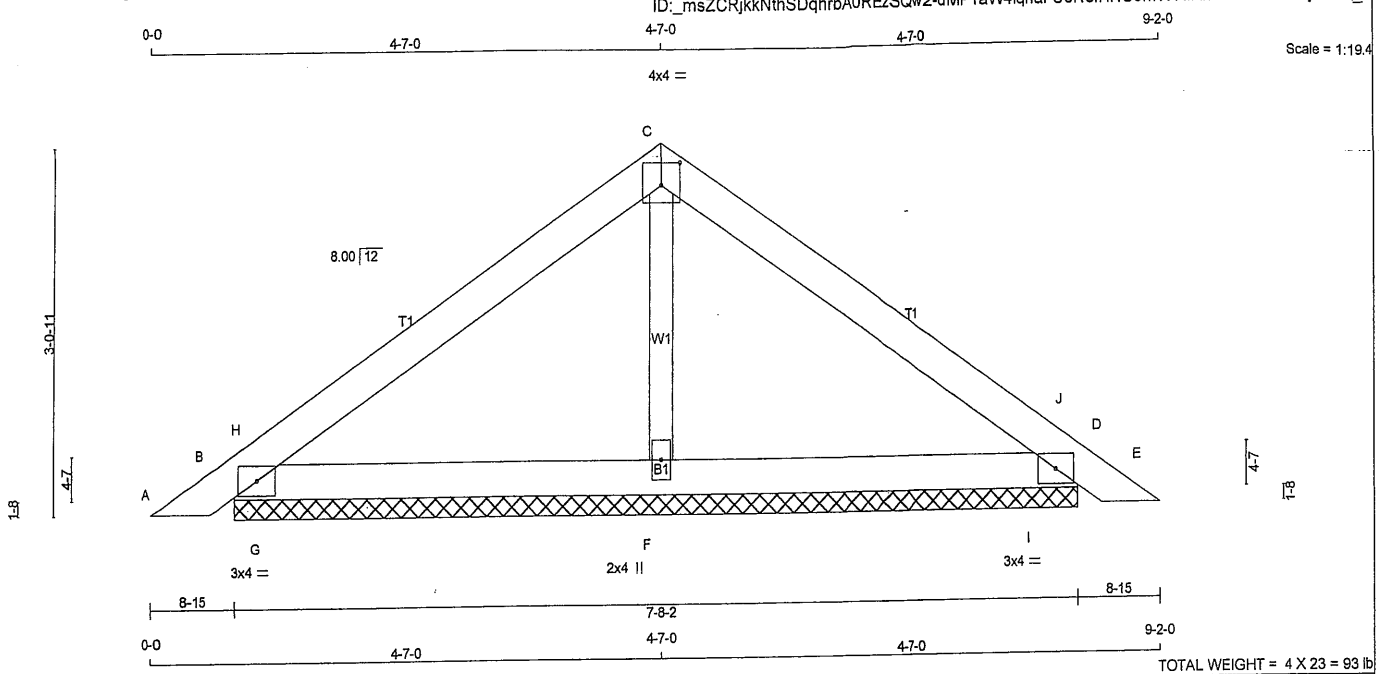

TOTAL WEIGHT = 4 X 23 = 93 lb [M]

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	TMB1-I	MT20	3.0	4.0		
C	TTW-p	MT20	4.0	4.0	2.25	2.00
D	TMB1-I	MT20	3.0	4.0		
F	BMW1+w	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
B	405	0	405	0	0	7-8-2	7-8-2
D	405	0	405	0	0	7-8-2	7-8-2
F	418	0	418	0	0	7-8-2	7-8-2

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	305	205 / 0	38 / 0	0 / 0	0 / 0	63 / 0	0 / 0
D	305	205 / 0	38 / 0	0 / 0	0 / 0	63 / 0	0 / 0
F	351	175 / 0	86 / 0	0 / 0	0 / 0	90 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 19	-112.4	-112.4	0.04 (1)	10.00
B- H	-76 / 0	-112.4	-112.4	0.09 (1)	6.25
H- C	-171 / 0	-112.4	-112.4	0.20 (1)	6.25
C- J	-171 / 0	-112.4	-112.4	0.20 (1)	6.25
J- D	-76 / 0	-112.4	-112.4	0.09 (1)	6.25
D- E	0 / 19	-112.4	-112.4	0.04 (1)	10.00
B- G	0 / 134	-28.0	-28.0	0.19 (1)	10.00
G- F	0 / 134	-28.0	-28.0	0.19 (1)	10.00
F- I	0 / 134	-28.0	-28.0	0.19 (1)	10.00
I- D	0 / 134	-28.0	-28.0	0.19 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
F- C	-182 / 0	0.03 (1)
G- H	-429 / 26	0.00 (1)
I- J	-429 / 26	0.00 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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 43.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.20/1.00 (C-H:1) , BC=0.19/1.00 (F-I:1) , WB=0.03/1.00 (C-F:1) , SSI=0.33/1.00 (B-G:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.33 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4196
S KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO. TAM 108623-17
STRUCTURAL COMPONENT ONLY

Site Copy

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
286846	J7S	5	1	OBC2012_6TCDL TRUSS DESC.	

Tamarack Roof Truss, Burlington

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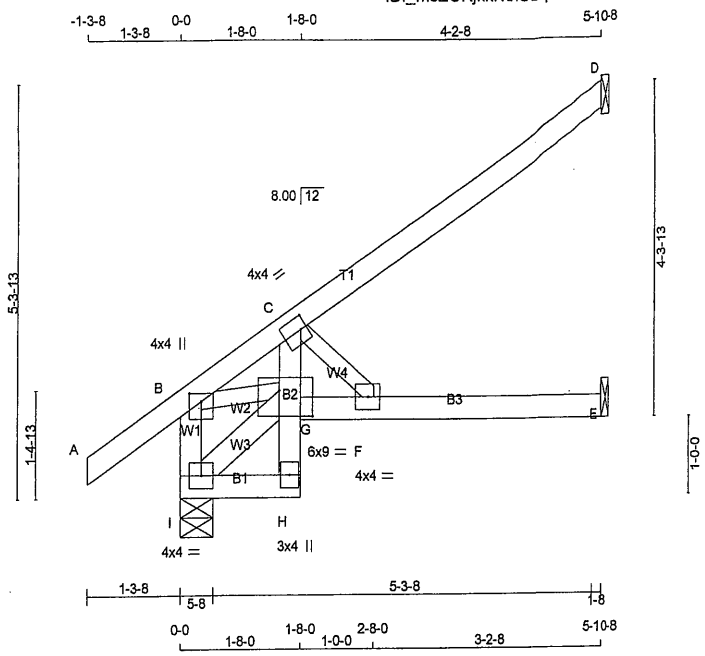

TOTAL WEIGHT = 5 X 24 = 118 lb [M]

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
C	TMVW-t	MT20	4.0	4.0	2.00	1.00
F	BMW-t	MT20	4.0	4.0		
G	BVMWW-l	MT20	6.0	9.0	4.00	5.50
H	BMV+p	MT20	3.0	4.0		
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 VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
I	585	0	585	0	0	5-8	5-8
D	244	0	244	0	0	1-8	1-8
E	151	0	157	0	0	1-8	1-8

SEE MITEK STANDARD DETAIL B37579H FOR CONNECTION TO JOINT(S) D , E

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
I	447	290 / 0	62 / 0	0 / 0	0 / 0	95 / 0	0 / 0
D	174	134 / 0	9 / 0	0 / 0	0 / 0	31 / 0	0 / 0
E	143	46 / 0	53 / 0	0 / 0	0 / 0	44 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH
I- B	-546 / 0	0.0	0.0	0.06 (1)	7.81	
A- B	0 / 43	-112.4	-112.4	0.15 (1)	10.00	
B- C	-507 / 0	-112.4	-112.4	0.15 (1)	6.25	
C- D	0 / 11	-112.4	-112.4	0.36 (1)	10.00	
I- H	0 / 23	-28.0	-28.0	0.02 (3)	10.00	
H- G	0 / 37	0.0	0.0	0.04 (1)	10.00	
G- C	0 / 427	0.0	0.0	0.11 (1)	10.00	
G- F	0 / 474	-28.0	-28.0	0.54 (1)	10.00	
F- E	0 / 0	-28.0	-28.0	0.47 (1)	10.00	

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
I- G	-29 / 0	0.00 (1)
B- G	0 / 391	0.09 (1)
C- F	-601 / 0	0.09 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	32.5	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	56.0	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

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

(55 % OF 43.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 32.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/ 672 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/ 398 (0.18")

CSI: TC=0.36/1.00 (C-D:1) , BC=0.54/1.00 (F-G:1) , WB=0.09/1.00 (B-G:1) , SSI=0.26/1.00 (F-G:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.52 (B) (INPUT = 0.90)
JSI METAL= 0.18 (F) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER
4/10/18
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PROVINCE OF ONTARIO

DWG NO. TAM 180620 18.
STRUCTURAL COMPONENT ONLY

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TECHNICAL BULLETIN

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:

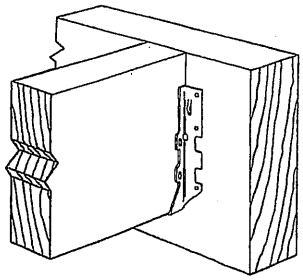
- Factored resistances are in accordance with CSA O86-14.
- Uplift resistances have been increased 15%. No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these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

Installation:

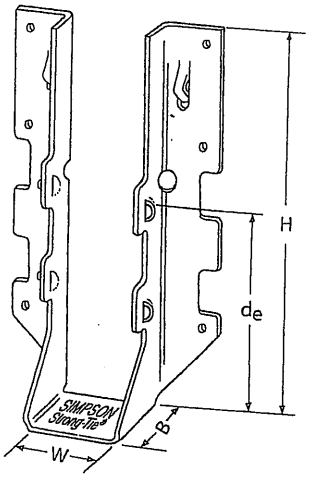
- Use all specified fasteners.
- Nails: 16d = 0.162" dia. x 3½" long common wire, 10d = 0.148" x 3" long common wire.
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads.
- Not designed for welded or nailer applications.

Options:

- These hangers cannot be modified



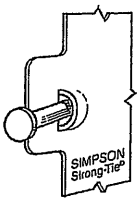
Typical LUS Installation



LUS28

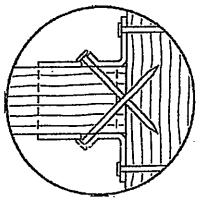
Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance (lb.)			
								D.Fir-L		S-P-F	
		W	H	B	d_e[1]	Face	Joist	Uplift (K_D=1.15)	Normal (K_D=1.00)	Uplift (K_D=1.15)	Normal (K_D=1.00)
LUS24	18	1 9/16	3 1/8	1 3/4	1 15/16	(4) 10d	(2) 10d	710	1630	645	1155
LUS24-2	18	3 1/8	3 1/8	2	1 13/16	(4) 16d	(2) 16d	835	2020	590	1435
LUS26	18	1 9/16	4 3/4	1 3/4	3 5/8	(4) 10d	(4) 10d	1420	2170	1290	1630
LUS26-2	18	3 1/8	4 7/8	2	4	(4) 16d	(4) 16d	1720	2595	1545	1920
LUS26-3	18	4 5/8	4 3/16	2	3 1/4	(4) 16d	(4) 16d	1720	2595	1545	2340
LUS28	18	1 9/16	6 5/8	1 3/4	3 3/4	(6) 10d	(6) 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 5/8	6 1/4	2	3 1/4	(6) 16d	(4) 16d	1720	3325	1545	2375
LUS210	18	1 9/16	7 13/16	1 3/4	3 7/8	(8) 10d	(4) 10d	1420	2785	1290	2210
LUS210-2	18	3 1/8	9	2	6	(8) 16d	(6) 16d	2580	4500	2320	3195
LUS210-3	18	4 5/8	8 3/16	2	5 1/4	(8) 16d	(6) 16d	2580	3345	2320	2375

1. d_e 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 Top View.

LICENSED PROFESSIONAL ENGINEER
4/5/2017
B. D. BUNTING
PROVINCE OF ONTARIO

LIMIT STATES DESIGN

This technical bulletin is effective until June 30, 2019, and reflects information available as of March 1, 2017. This information is updated periodically and should not be relied upon after June 30, 2019. Contact Simpson Strong-Tie for current information and limited warranty or see strongtie.com.

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T-SPECLUS17 / 3/17 exp. 6/19

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TECHNICAL BULLETIN

HUS/LJS – Double Shear Joist Hangers

SIMPSON Strong-Tie®

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:

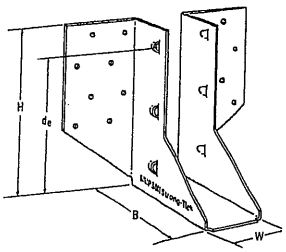
- Factored resistances are in accordance with CSA O86 -14.
- Uplift resistances have been increased 15%. No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these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

Installation:

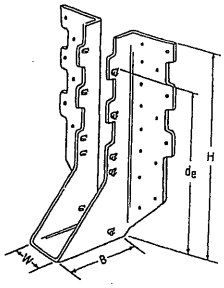
- Use all specified fasteners
- Nails: 16d = 0.162" dia. x 3½" long common wire
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

Options:

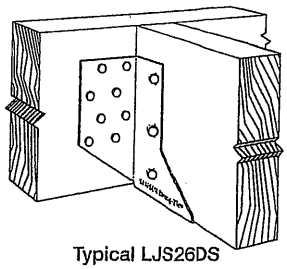
- See current catalogue for options



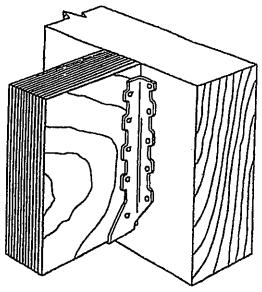
LJS26DS



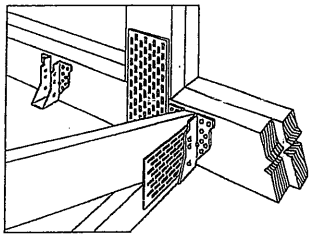
HUS210
(HUS26, HUS28, similar)



Typical LJS26DS Installation



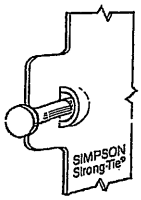
Typical HUS Installation



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

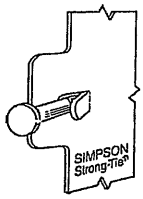
Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance (lb.)			
								D.Fir-L		S-P-F	
		W	H	B	d_e[1]	Face	Joist	Uplift (K_D=1.15) lb.	Normal (K_D=1.00) lb.	Uplift (K_D=1.15) lb.	Normal (K_D=1.00) lb.
LJS26DS	18	1 9/16	5	3½	4⅝	(16) 16d	(6) 16d	2055	4265	1460	4115
HUS26	16	1⅝	5⅜	3	3 15/16	(14) 16d	(6) 16d	2705	4940	2065	3875
HUS28	16	1⅝	7 3/32	3	6 3/32	(22) 16d	(8) 16d	3605	5365	2675	4345
HUS210	16	1⅝	9 3/32	3	7 31/32	(30) 16d	(10) 16d	4505	5795	4010	4740
HUS1.81/10	16	1 13/16	9	3	8	(30) 16d	(10) 16d	4505	6450	4010	5200

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

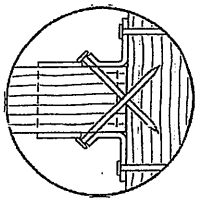


Dome Double Shear Nailing prevents tabs breaking off (available on some models).

U.S. Patent 5,603,580



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



Double Shear Nailing Top View.

LIMIT STATES DESIGN

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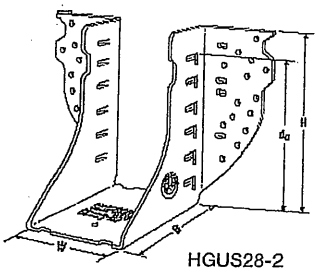
HGUS – Double Shear Joist Hangers

SIMPSON Strong-Tie®

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.



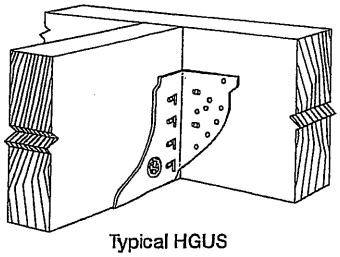
HGUS28-2

Material: 12 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.



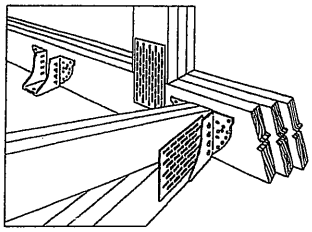
Typical HGUS Installation

Installation:

- Use all specified fasteners
- Nails: 16d = 0.162" dia x 3½" 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:

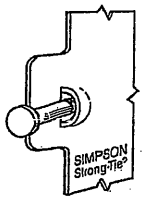
- See current catalogue for options



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

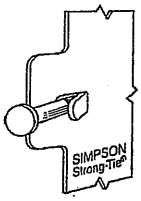
Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance (lb.)			
								D.Fir-L		S-P-F	
		W	H	B	d_e[1]	Face	Joist	Uplift (K_D=1.15)	Normal (K_D=1.00)	Uplift (K_D=1.15)	Normal (K_D=1.00)
HGUS26	12	1⅝	5⅜	5	4 5/32	(20) 16d	(8) 16d	2685	6625	2685	5700
HGUS26-2	12	3 5/16	5 7/16	4	4⅛	(20) 16d	(8) 16d	4385	8950	3100	6355
HGUS26-3	12	4 15/16	5½	4	4⅛	(20) 16d	(8) 16d	4385	8950	3100	6355
HGUS26-4	12	6 9/16	5 7/16	4	4⅛	(20) 16d	(8) 16d	4385	8950	3100	6355
HGUS28	12	1⅝	7⅛	5	6⅛	(36) 16d	(12) 16d	3310	7675	3100	6900
HGUS28-2	12	3 5/16	7 3/16	4	6⅛	(36) 16d	(12) 16d	6070	12980	4310	9215
HGUS28-3	12	4 15/16	7¼	4	6⅜	(36) 16d	(12) 16d	6070	12980	4310	9215
HGUS28-4	12	6 9/16	7 3/16	4	6⅛	(36) 16d	(12) 16d	6070	12980	4310	9215
HGUS210-2	12	3 5/16	9 3/16	4	8⅛	(46) 16d	(16) 16d	6840	14645	4855	10400
HGUS210-3	12	4 15/16	9¼	4	8⅜	(46) 16d	(16) 16d	6840	14645	4855	10400
HGUS210-4	12	6 9/16	9 3/16	4	8⅛	(46) 16d	(16) 16d	6840	14645	4855	10400
HGUS212-4	12	6 9/16	10⅝	4	10⅛	(56) 16d	(20) 16d	7640	14995	5425	10645
HGUS214-4	12	6 9/16	12⅝	4	11⅛	(66) 16d	(22) 16d	10130	16400	7195	11645

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

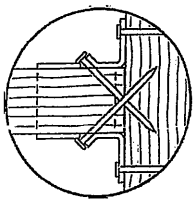


Dome Double Shear Nailing prevents tabs breaking off (available on some models).

U.S. Patent 5,603,580



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



Double Shear Nailing Top View.

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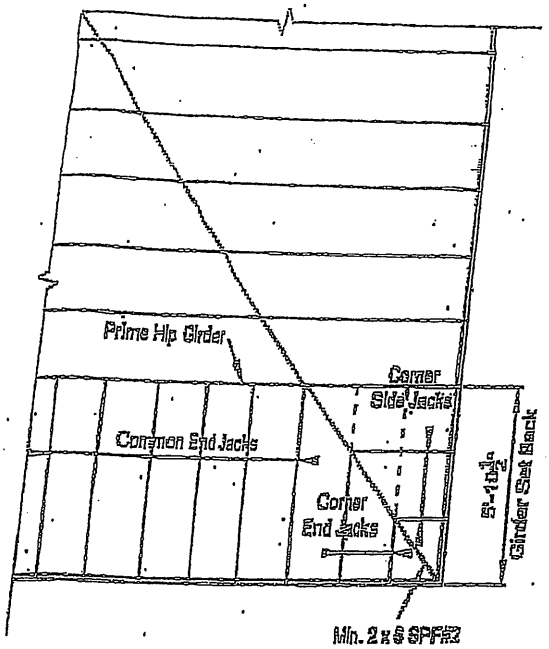

45° Hip End

LUMBER SPECIFICATION

TOP CHORD : 2 x 4 SPF#2

BOTTOM CHORD : 2 x 4 SPF#2

WEBS : 2 x 3 SPF#2

UNLESS OTHERWISE SHOWN

DESIGN LOAD:

TOP CHORD LIVE LOAD	:	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.

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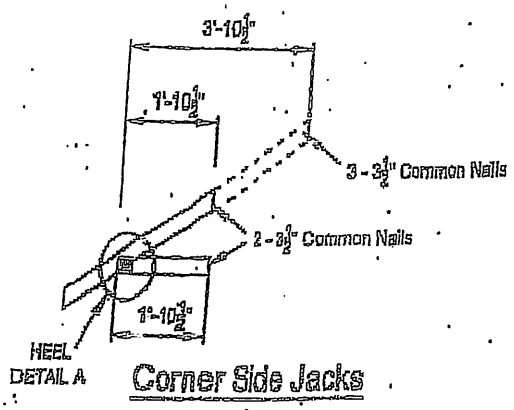
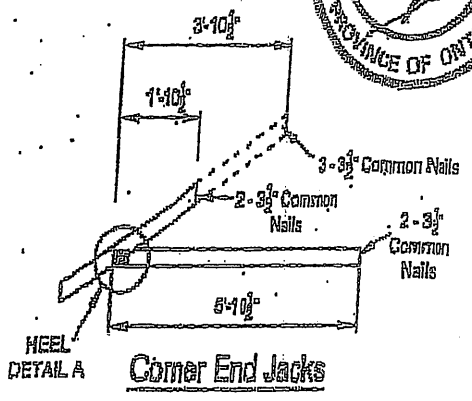
COMPONENT ONLY

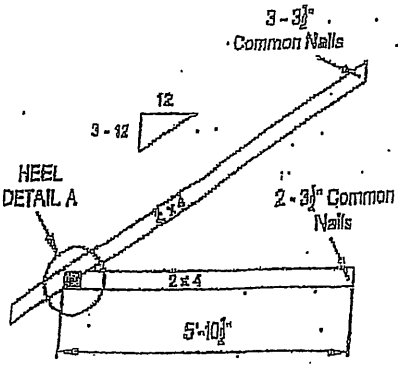
LICENSED PROFESSIONAL ENGINEER
1-20-14
S. KATSOULAKOS
PROVINCE OF ONTARIO



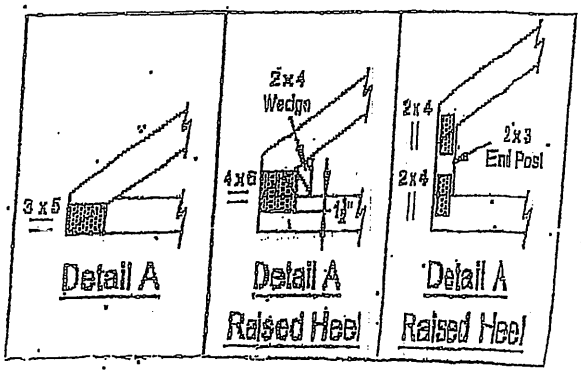
Corner Side Jacks



Corner End Jacks



Common End Jacks



Detail A

Detail A Raised Heel

Detail A Raised Heel

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)

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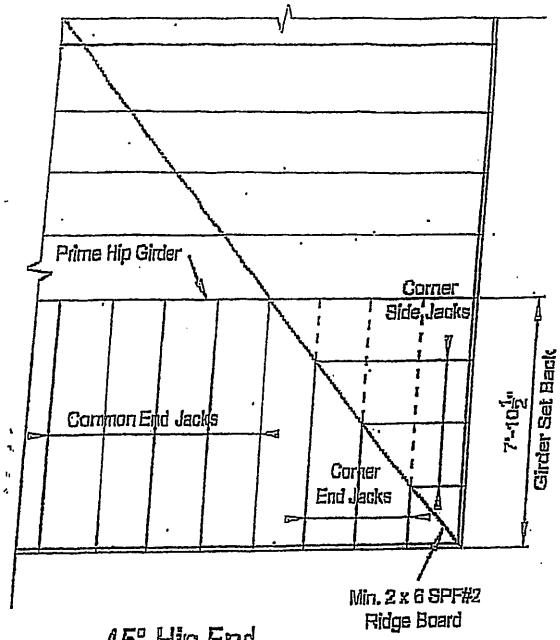
R.R. #1, P.O. BOX 61, GLENCOE, ONTARIO, N0L 1M0

LUMBER SPECIFICATION

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



45° Hip End

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.

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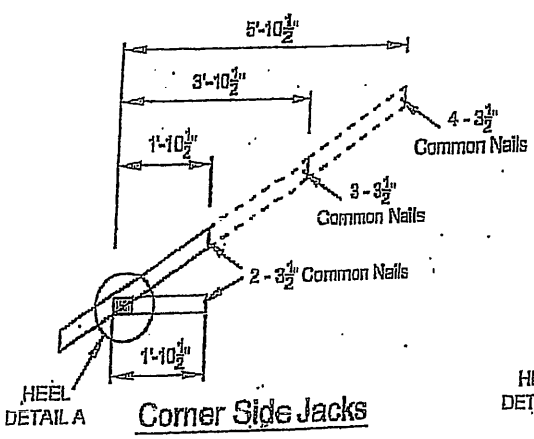
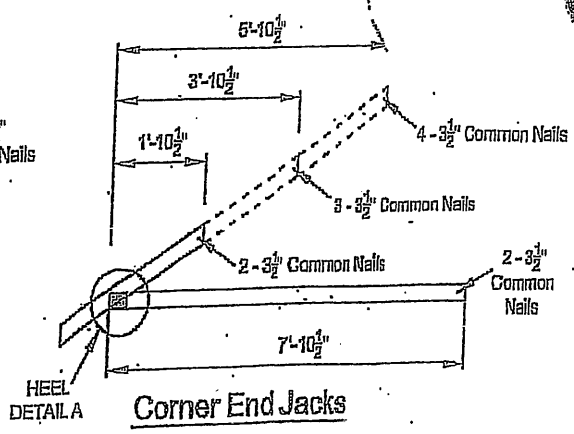
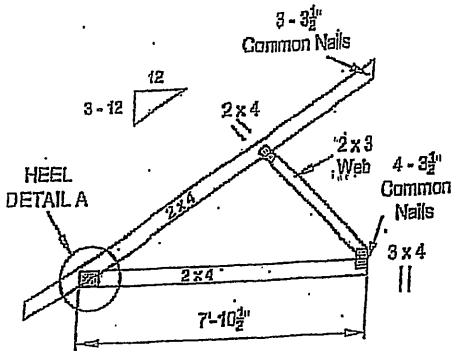


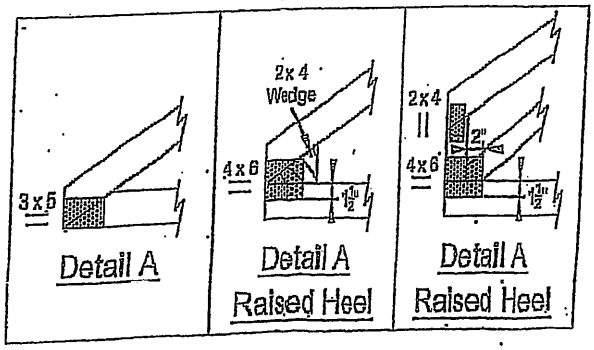
Corner Side Jacks



Corner End Jacks



Common End Jacks



NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (LIMIT STATES DESIGN)
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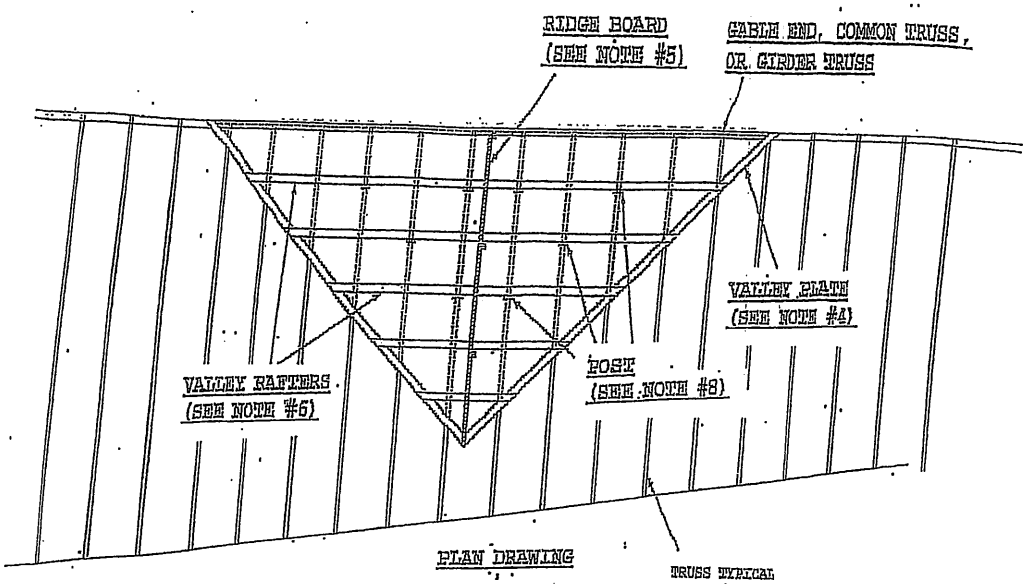
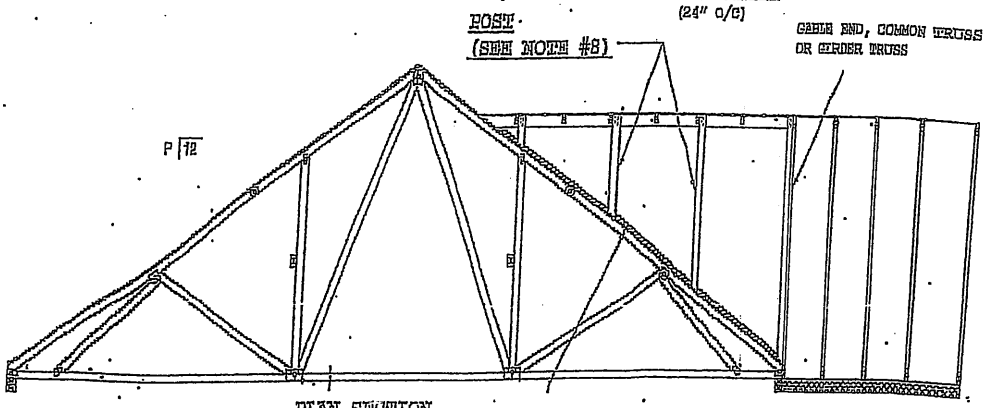
R.R. #1, P.O. BOX 61, GLENCOE, ONTARIO, NOL 1M0

CONVENTIONAL VALLEY FRAMING DETAIL



PLAN DRAWING



PLAN SECTION

TRUSS MUST BE SHEATHED

GENERAL SPECIFICATIONS:

(1) WITH THE BASE TRUSSES ERECTED (INSTALLED), APPLY SHEATHING TOP CHORD OF SUPPORTING (BASE) TRUSSES.
(2) BRACE BOTTOM CHORD AND WEB MEMBERS AS PER PRE-ENGINEERED TRUSS DESIGNS.
(3) DEFINE VALLEY RIDGE BY RUNNING A LEVEL STRING FROM THE INTERSECTING RIDGE OF THE (a) GABLE END, (b) GIRDER TRUSS OR (c) COMMON TRUSS TO THE ROOF SHEATHING.
(4) INSTALL 2 X 6 VALLEY PLATES ON FLAT. FASTEN TO EACH SUPPORTING TRUSS WITH (2) 16d (3.5" X 0.131") NAILS.
(5) SET A 2 X 6 #2 RIDGE BOARD (MAX. 10'-0" RIDGE) OR 2 X 8 #2 SPF RIDGE BOARD (MAX. 20'-0" RIDGE). SUPPORT RIDGE BOARD WITH 2 X 4 POSTS SPACED 48" O/C. BEVEL BOTTOM OF POST TO SEW EVENLY ON THE SHEATHING. FASTEN POST TO RIDGE WITH (4) 10d (3" X 0.131") NAILS. FASTEN POST TO ROOF SHEATHING WITH (3) 10d (3" X 0.131") TOE-NAILS.
(6) FRAME VALLEY RAFTERS FROM VALLEY PLATE TO RIDGE BOARD. MAXIMUM RAFTER SPACING IS 24" O/C. FASTEN VALLEY RAFTER TO RIDGE BEAM WITH (3) 16d (3.5" X 0.131") TOE-NAILS. FASTEN VALLEY RAFTER TO VALLEY PLATE WITH (3) 16d (3.5" X 0.131") TOE-NAILS.
(7) SUPPORT THE VALLEY RAFTERS WITH 2 X 4 POSTS AT 48" O/C (OR LESS) ALONG EACH RAFTER. INSTALL POSTS IN A STAGGERED PATTERN AS SHOWN ON PLAN DRAWING. ALIGN POSTS WITH TRUSSES BELOW. FASTEN VALLEY RAFTER TO POST WITH (4) 10d (3" X 0.131") NAILS. FASTEN POST THROUGH SHEATHING TO SUPPORTING TRUSSES WITH (2) 16d (3.5" X 0.131") NAILS.
(8) POSTS SHALL BE 2 X 4 #2 SPF OR BETTER. POSTS EXCEEDING 75" IN HEIGHT SHALL BE INCREASED TO 4 X 4 #2 SPF, OR BETTER, OR BE PRE-ASSEMBLED TO: (2) PLY 2 X 4 #2 SPF OR BETTER FASTENED TOGETHER WITH 2 ROWS OF 10d (3" X 0.131") NAILS AT 6" O/C.
(9) MAINTAIN A MINIMUM 3/4" LUMBER EDGE DISTANCE WHEN NAILING, NAIL SPACING SHOULD APPROXIMATE A MINIMUM 1-3/4" O/C OR MORE UNLESS NOTED OTHERWISE. ALL CONSTRUCTION TO CONFORM TO ONTARIO BUILDING CODE (CURRENT ADDITION) AT ALL TIMES.

NOTES:

(10) 48" O/C (MAXIMUM POST SPACING.
(11) ROOF LIVE LOAD = 34.8 PSF (MAX.)
(12) ROOF DEAD LOAD = 10.0 PSF (MAX.)
(13) PART 9 APPLICATION ONLY (ONTARIO BUILDING CODE)
(14) PART 4 APPLICATION ONLY (ONTARIO BUILDING CODE) WITH APPROVED REVIEW BY LICENSED PROFESSIONAL ENGINEER.
(15) BASE TRUSS SPACING (24" O/C MAX.)
(16) ALL PRE-ENGINEERED BASE TRUSS COMPONENTS TO BE SEALED BY LICENSED PROFESSIONAL ENGINEER AND THIS DETAIL TO BE VERIFIED AND APPROVED BY SAME WHEN RIDGE BOARD LENGTH EXCEEDS 12'-0".
(17) ALL BASE TRUSSES: P = 4 (4/12) - MINIMUM.
(18) ALL VALLEY RAFTERS: P = 4 (4/12) - MINIMUM.

LICENSED PROFESSIONAL ENGINEER
3-5-74
S. KATSOULAKOS
PROVINCE OF ONTARIO

AWA NO TAM 6305.14
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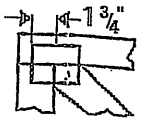
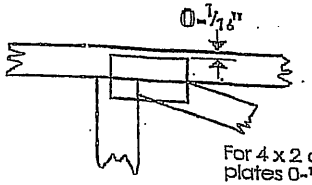
Symbols

PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0-1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

* Plate location details available in MiTek software or upon request.

PLATE SIZE

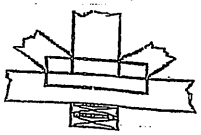
4 x 4

The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION

Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING



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

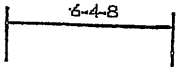
Industry Standards:

TPIC: Truss Design Procedures and Specifications for Light Metal Plate Connected Wood Trusses

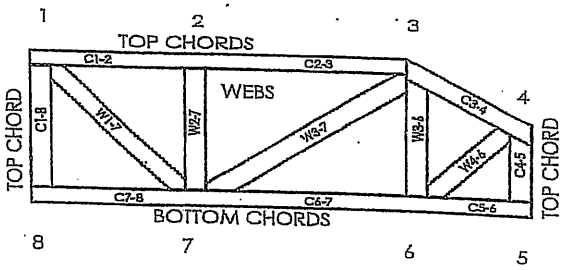
DSB-89: Design Standard for Bracing.

BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



dimensions shown in ft-in-sixteenths or mm (Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

CCMC Reports:

11996-L, 10319-L, 13270-L, 12691-R

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POWER TO PERFORM.™

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by TPIC.
7. Design assumes trusses will be suitably protected from the environment in accord with TPIC.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with TPIC Quality Criteria.

Site Copy

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LICENSED PROFESSIONAL ENGINEER
1-2079
S. KATSOULAKOS
PROVINCE OF ONTARIO

DWG NO [illegible] 14
STRUCTURAL
COMPONENT ONLY

Responsibilities:

Micro City Engineering Services is responsible for the design of trusses as individual components.

It is the responsibilities of others to ascertain that the design loads utilized on this (these) drawing(s) meet or exceed the actual dead load imposed by the structure and the live load imposed by the local building code or the authorities having jurisdiction over such decisions.

All dimensions are to be verified by the owner, contractor, architect, or other authority having input over such decisions prior to truss component manufacture. At no time shall Micro City Engineering Services Inc. or its employees be responsible for dimension errors.

Micro City Engineering Services Inc. bears no responsibility for the erection of any truss components. Persons erecting truss components are cautioned to seek professional advice regarding temporary and permanent bracing systems and to be totally familiar with all aspects of truss erection prior to proceeding on any truss component erection job. Any bracing shown on Micro City Engineering Services Inc. or Tamarack Roof Trusses Inc. sealed or unsealed truss component drawings is specified for the single truss component in question and is identified as an integral part of the design for that particular truss component but is not meant to represent the only required bracing for that particular truss component when installed as a component in a series of truss components in a roof truss system.

~~It is the truss manufacturer's responsibility to ensure that trusses are manufactured in accordance with Micro City Engineering~~ Services Inc. specifications outlined below:

SPECIFICATIONS:

Truss components sealed by Micro City Engineering Services Inc. must conform to the relevant sections of the current Building Code of Ontario and Canada (Part 4 or Part 9) or the current Farm Building Code of Canada in accordance with the application specified on the sealed truss component drawing. All truss component design procedures must conform to the current design standard issued by the Truss Plate Institute of Canada (TPIC). All unit lumber and nailing stresses identified on truss component design drawings and/or used in the design of individual truss components shall conform to the current CSA Wood Design standard identified in the current Building Code and TPIC Design Standards.

The lumber used to manufacture any truss component is to conform to the specified size and grade identified on the truss drawing.

The lumber used in the manufacture of any truss component is not to exceed 19% during its service use unless specifically noted on the truss drawing.

The lumber used in the manufacture of any truss component is not to be treated with any chemicals during its service life unless specifically noted on the truss drawing.

Connector plates shall be applied to both faces of the truss component at each joint and shall be positioned exactly as specified.

The top chord of any truss component is assumed to be continuously laterally braced by the roof sheathing or purlins at intervals specified on the sealed truss component drawing but not exceeding 24" o/c (Part 9 design) and not exceeding 48" c/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.

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