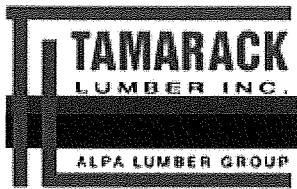


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DELIVERY SHIPLIST

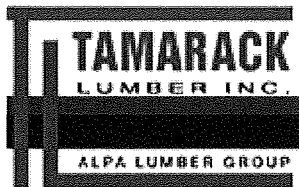
Lumber Yard: TAMARACK LUMBER
 Builder: BAYVIEW WELLINGTON /
 Project: PASSAGE ON THE CANAL
 Location: ST CATHERINES
 Model: SD-1
 Lot #:
 Elevation: A UNIT 4

Job Track: 50264
 PlanLog: 200543
 Layout ID: 401500
 Ref #
 Page: 1 of 3
 Date: 02/15/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1	T1 Hip Girder	6 /12	21-11-00	5-04-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	89.51 55.17		
	1	T2 Common	6 /12	21-11-00	6-07-12	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	85.77 53.67		
	2	T2X Common	6 /12	21-11-00	6-07-12	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	164.65 103.00		
	1 2-ply	T3 Hip Girder	6 /12	23-04-00	5-07-03	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	232.94 147.00		
	1 2-ply	T4 Hip Girder	6 /12	23-04-00	6-09-06	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	248.53 158.00		
	2	T5X Common	6 /12	23-04-00	7-00-03	2 x 4	1-03-08 1-03-08	9-00 1-02-00	180.59 113.67		
	3	T7A Common	6 /12	17-04-08	6-09-08	2 x 4	1-03-08	1-02-00 3-08-12	212.73 135.00		
	3	T8AX Common	6 /12	17-04-08	7-09-00	2 x 4		8-00 6-01-12	230.57 146.00		
	1 2-ply	T9X Common Girder	6 /12	27-04-00	7-09-00	2 x 4 2 x 6		8-00 1-02-00	258.61 159.67		
	1	T10 Hip Girder	6 /12	26-04-00	5-07-03	2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	150.29 93.50		
	1	T11 Hip	6 /12	26-04-00	7-03-03	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	111.91 69.50		
	4	T12 Common	6 /12	26-04-00	7-09-00	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	413.7 260.00		
	1	G13 GABLE	6 /12	18-10-00	5-02-08	2 x 4		6-00 6-00	62.47 38.83		
	1	T14A Half Hip	6 /12	20-01-00	3-06-10	2 x 4	1-03-08	1-02-00 3-06-10	77.16 48.00		

DELIVERY SHIPLIST



Lumber Yard: TAMARACK LUMBER
 Builder: BAYVIEW WELLINGTON /
 Project: PASSAGE ON THE CANAL
 Location: ST CATHERINES
 Model: SD-1
 Lot #:
 Elevation: A UNIT 4

Job Track: 50264
 PlanLog: 200543
 Layout ID: 401500
 Ref #
 Page: 2 of 3
 Date: 02/15/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

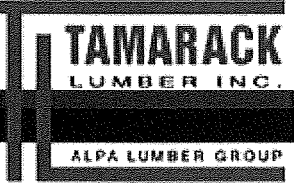
PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1	T15A Hip	6 /12	20-01-00	5-02-10	2 x 4	1-03-08	1-02-00 4-03-08	88.88 57.00		
	1	T16 Hip Girder	10 /12	12-00-00	4-10-07	2 x 4 2 x 6		1-07-11 1-07-11	59.84 39.33		
	1	T17 Common	10 /12	12-00-00	6-07-11	2 x 4		1-07-11 1-07-11	50.88 33.00		
	1 2-ply	T18 Half Hip Girder	10 /12	12-00-00	6-00-04	2 x 6		1-07-11 6-00-04	152.09 93.00		
	2	T19 Common	10 /12	7-10-00	4-10-14	2 x 4	1-03-08 1-03-08	1-07-11 1-07-11	74.45 50.33		
	1	G19 GABLE	10 /12	7-10-00	4-10-14	2 x 4	1-03-08 1-03-08	1-07-11 1-07-11	38.65 26.17		
	1	T20A Common	6 /12	20-06-00	7-00-00	2 x 4	1-03-08	1-02-00 2-07-00	87.01 55.00		
	10	J1 Jack-Open	10 /12	4-05-08	5-04-04	2 x 4	1-03-08	1-07-11 5-04-04	152.78 100.00		
	2	J2 Jack-Open	10 /12	4-09-00	5-07-03	2 x 4	1-03-08	1-07-11 5-07-03	32.09 21.33		
	1	J3 Jack-Open Girder	10 /12	1-09-07	3-01-09	2 x 4	1-03-08 2-01-01	1-07-11 3-01-09	10.65 7.33		
	1	J4 Jack-Open	10 /12	1-09-07	3-01-09	2 x 4	1-03-08 1-01	1-07-11 3-01-09	8.37 6.00		
	3	J90 Monopitch	3.5 /12	7-03-00	2-11-13	2 x 4	1-03-08	10-07 2-11-13	78.47 52.50		
	4	J91 Monopitch	3.5 /12	5-05-00	2-05-06	2 x 4	1-03-08	10-07 2-05-06	58.61 40.00		

TOTAL # TRUSS= 56

TOTAL BFT OF ALL TRUSSES= 2162

BFT.

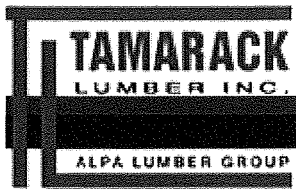
TOTAL WEIGHT OF ALL TRSSES 3412.19 LBS

DELIVERY SHIPLIST		
 TAMARACK LUMBER INC. ALPA LUMBER GROUP	Lumber Yard:	TAMARACK LUMBER
	Builder:	BAYVIEW WELLINGTON /
	Project:	PASSAGE ON THE CANAL
	Location:	ST CATHERINES
	Model:	SD-1
	Lot #:	
	Elevation:	A UNIT 4
	Job Track:	50264
	PlanLog:	200543
	Layout ID:	401500
	Ref #	
	Page:	3 of 3
	Date:	02/15/2019
	Designer:	Andrew Conway
	Sales Rep:	Mario DiCano

HARDWARE

QTY	TYPE	MODEL	LENGTH
9	Hardware	LJS26DS	
5	Hardware	LUS24	
4	Hardware	LUS26-2	
1	Hardware	HGUS26-2	

TOTAL NUMBER OF ITEMS= 19



DELIVERY SHIPLIST

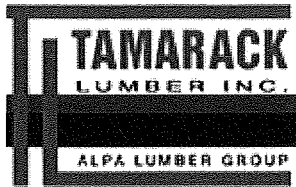
Lumber Yard: TAMARACK LUMBER
 Builder: BAYVIEW WELLINGTON /
 Project: PASSAGE ON THE CANAL
 Location: ST CATHERINES
 Model: SD-2
 Lot #:
 Elevation: A UNIT 5

Job Track: 50264
 PlanLog: 200543
 Layout ID: 401501
 Ref #
 Page: 1 of 3
 Date: 02/15/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1	T21 Hip Girder	6 / 12	21-00-00	5-04-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	86.92 54.50		
	2	T22 Common	6 / 12	21-00-00	6-05-00	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	164.94 103.33		
	1	T24 Roof Special	6 / 12	21-00-00	6-04-04	2 x 4	1-03-08 1-03-08	1-02-00 2-07-11	89.54 57.17		
	1 2-ply	T25 Roof Special Girder	6 / 12	21-00-00	7-10-03	2 x 4 2 x 6	1-03-08 1-05-00	1-02-00 2-07-11	235.74 150.00		
	2	T26A Roof Special	6 / 12	15-09-00	8-03-06	2 x 4	1-03-08	1-02-00 7-00-03	152.02 95.00		
	1	T27A Half Hip	6 / 12	15-09-00	6-11-07	2 x 4	1-03-08	1-02-00 6-11-07	71.31 45.33		
	3	T28A Common	6 / 12	15-09-00	6-08-00	2 x 4	1-03-08	1-02-00 4-03-08	201.81 127.00		
	1 2-ply	T29 Hip Girder	6 / 12	24-00-00	4-04-03	2 x 4 2 x 6	1-03-08 1-05-00	1-02-00 1-02-00	231 148.00		
	1	T30A Hip	6 / 12	23-07-00	6-00-03	2 x 4	1-03-08	1-02-00 1-04-08	95.86 61.17		
	1	T31A Common	6 / 12	23-07-00	7-02-00	2 x 4	1-03-08	1-02-00 1-04-08	90.93 57.33		
	1	T31AC Hip	6 / 12	23-07-00	7-00-04	2 x 4	1-03-08	1-02-00 1-04-08	90.78 56.67		
	1	T32A Hip Girder	6 / 12	23-07-00	5-04-04	2 x 4 2 x 6	1-03-08	1-02-00 1-04-08	113.82 70.50		
	2	T33 Common	6 / 12	19-03-00	5-11-12	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	152.34 98.00		
	2	T34X Common	6 / 12	20-03-00	5-11-12	2 x 4	1-03-08	8-00 1-02-00	150.87 97.33		

DELIVERY SHIPLIST



Lumber Yard: TAMARACK LUMBER
 Builder: BAYVIEW WELLINGTON /
 Project: PASSAGE ON THE CANAL
 Location: ST CATHERINES
 Model: SD-2
 Lot #:
 Elevation: A UNIT 5

Job Track: 50264
 PlanLog: 200543
 Layout ID: 401501
 Ref #
 Page: 2 of 3
 Date: 02/15/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1 2-ply	T35 Hip Girder	6 /12	20-03-00	5-07-03	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	197.81 128.00		
	1	T36 Hip	6 /12	20-03-00	4-06-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	78.6 50.33		
	1	T37X Common	6 /12	20-03-00	5-10-08	2 x 4	1-03-08	1-02-00 5-08	72.05 45.67		
	4	T38 Common	6 /12	18-10-00	5-10-08	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	298.67 193.33		
	1	G38 GABLE	6 /12	18-10-00	5-10-08	2 x 4		1-02-00 1-02-00	69.99 45.67		
	2	T39 Common	10 /12	12-03-00	6-08-15	2 x 4		1-07-11 1-07-11	99.91 65.67		
	1	G39 GABLE	10 /12	12-03-00	6-08-15	2 x 4	1-03-08 1-03-08	1-07-11 1-07-11	59.62 39.17		
	1 2-ply	T40 Half Hip Girder	10 /12	12-03-00	6-09-11	2 x 4 2 x 6		1-07-11 6-09-11	152.31 101.33		
	1	T350A Common	6 /12	17-05-00	6-02-12	2 x 4	1-03-08	1-02-00 2-07-00	71.4 46.33		
	1 2-ply	T360 Hip Girder	6 /12	20-03-00	5-09-11	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	200.35 128.67		
	12	J1 Jack-Open	10 /12	4-05-08	5-04-04	2 x 4	1-03-08	1-07-11 5-04-04	183.34 120.00		
	7	J92 Monopitch	4 /12	5-05-00	2-08-13	2 x 4	1-03-08	11-03 2-08-13	103.88 70.00		

TOTAL # TRUSS= 58

TOTAL BFT OF ALL TRUSSES= 2255.5

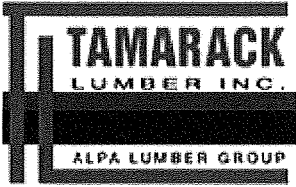
BFT.

TOTAL WEIGHT OF ALL TRSSES 3515.81 LBS

HARDWARE

QTY	TYPE	MODEL	LENGTH
15	Hardware	LJS26DS	
2	Hardware	LUS24	

DELIVERY SHIPLIST



Lumber Yard: TAMARACK LUMBER
 Builder: BAYVIEW WELLINGTON /
 Project: PASSAGE ON THE CANAL
 Location: ST CATHERINES
 Model: SD-2
 Lot #:
 Elevation: A UNIT 5

Job Track: 50264
 PlanLog: 200543
 Layout ID: 401501
 Ref #
 Page: 3 of 3
 Date: 02/15/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

HARDWARE

QTY	TYPE	MODEL	LENGTH
3	Hardware	LUS26-2	
2	Hardware	HGUS26-2	

TOTAL NUMBER OF ITEMS= 22

CONTINUED ON PAGE 2

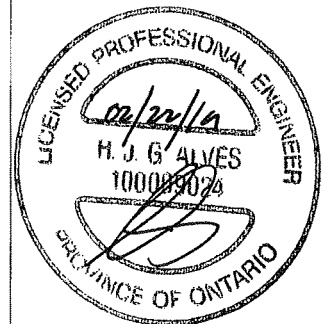
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2UNITS 4, 5	DRWG NO.
401499	T1	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Fri Feb 22 08:59:50 2019 Page 2
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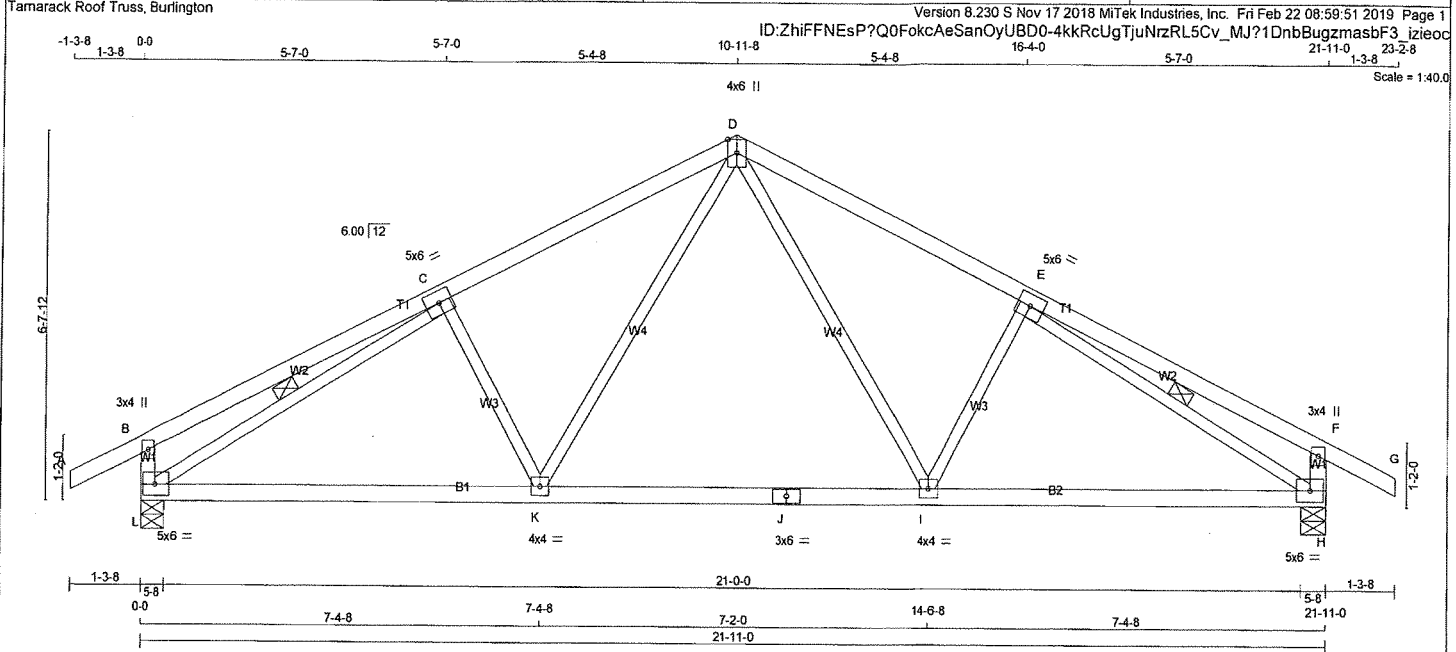
FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
S	14-0-12	-71	-71	—	FRONT	VERT	TOTAL	—	—
T	2-0-12	-37	-47	—	FRONT	VERT	TOTAL	—	—
U	6-0-12	-37	-47	—	FRONT	VERT	TOTAL	—	—
V	8-0-12	-37	-47	—	FRONT	VERT	TOTAL	—	—
W	10-0-12	-37	-47	—	FRONT	VERT	TOTAL	—	—
X	14-0-12	-37	-47	—	FRONT	VERT	TOTAL	—	—
Y	16-0-12	-37	-47	—	FRONT	VERT	TOTAL	—	—
Z	18-0-12	-37	-47	—	FRONT	VERT	TOTAL	—	—
AA	20-0-12	-37	-47	—	FRONT	VERT	TOTAL	—	—



DWG NO. TAM 11904110
STRUCTURAL
COMPONENT ONLY 7/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T2	1	1	TRUSS DESC.		



LUMBER

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

ALL WEBS 2x3 DRY No.2 SPF

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0		
D	TTWW+p	MT20	4.0	6.0	Edge	
E	TMWW-t	MT20	5.0	6.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	5.0	6.0		
I	BMWW-t	MT20	4.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	4.0		
L	BMVW1-t	MT20	5.0	6.0		

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

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	UP/LIFT	IN-SX
L	1390	0	1390	0
H	1390	0	1390	0

UNFACTORED REACTIONS

1ST LCASE	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT	1055	515 / 0	230 / 0	0 / 0	0 / 0	310 / 0	0 / 0
H	1055	515 / 0	230 / 0	0 / 0	0 / 0	310 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.90 FT.

MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS1 (LC)	
FR-TO		FROM	TO	FR-TO			
A-B	0 / 24	-77.7	-77.7 0.10 (1)	10.00	D-I	0 / 620	0.14 (1)
B-C	0 / 22	-77.7	-77.7 0.37 (1)	10.00	I-E	-255 / 25	0.07 (1)
C-D	-1595 / 0	-77.7	-77.7 0.33 (1)	4.90	K-D	0 / 620	0.14 (1)
D-E	-1595 / 0	-77.7	-77.7 0.33 (1)	4.90	C-K	-255 / 25	0.07 (1)
E-F	0 / 22	-77.7	-77.7 0.37 (1)	10.00	L-C	-1825 / 0	0.53 (1)
F-G	0 / 24	-77.7	-77.7 0.10 (1)	10.00	E-H	-1825 / 0	0.53 (1)
L-B	-269 / 0	0.0	0.0 0.03 (1)	7.81			
H-F	-269 / 0	0.0	0.0 0.03 (1)	7.81			
L-K	0 / 1525	-39.5	-39.5 0.57 (2)	10.00			
K-J	0 / 1102	-39.5	-39.5 0.51 (2)	10.00			
J-I	0 / 1102	-39.5	-39.5 0.51 (2)	10.00			
I-H	0 / 1525	-39.5	-39.5 0.57 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 20.9 PSF

DL = 6.0 PSF

BOT CH. LL = 10.5 PSF

DL = 7.4 PSF

TOTAL LOAD = 44.8 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.73")

CALCULATED VERT. DEFL.(LL)= L/ 999 (0.13")

ALLOWABLE DEFL.(TL)= L/360 (0.73")

CALCULATED VERT. DEFL.(TL)= L/ 999 (0.22")

CSI: TC=0.37/1.00 (B-C:1), BC=0.57/1.00 (K-L:2), WB=0.53/1.00 (E-H:1), SSI=0.18/1.00 (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 = 1.00

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

NAIL VALUES

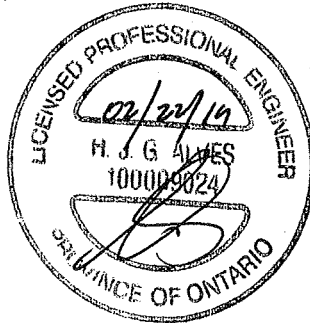
PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1867 788	1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.79 (H) (INPUT = 0.90)

JSI METAL= 0.45 (E) (INPUT = 1.00)



DWG NO. TAM 71904111

STRUCTURAL

COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T2X	2	1	TRUSS DESC.		

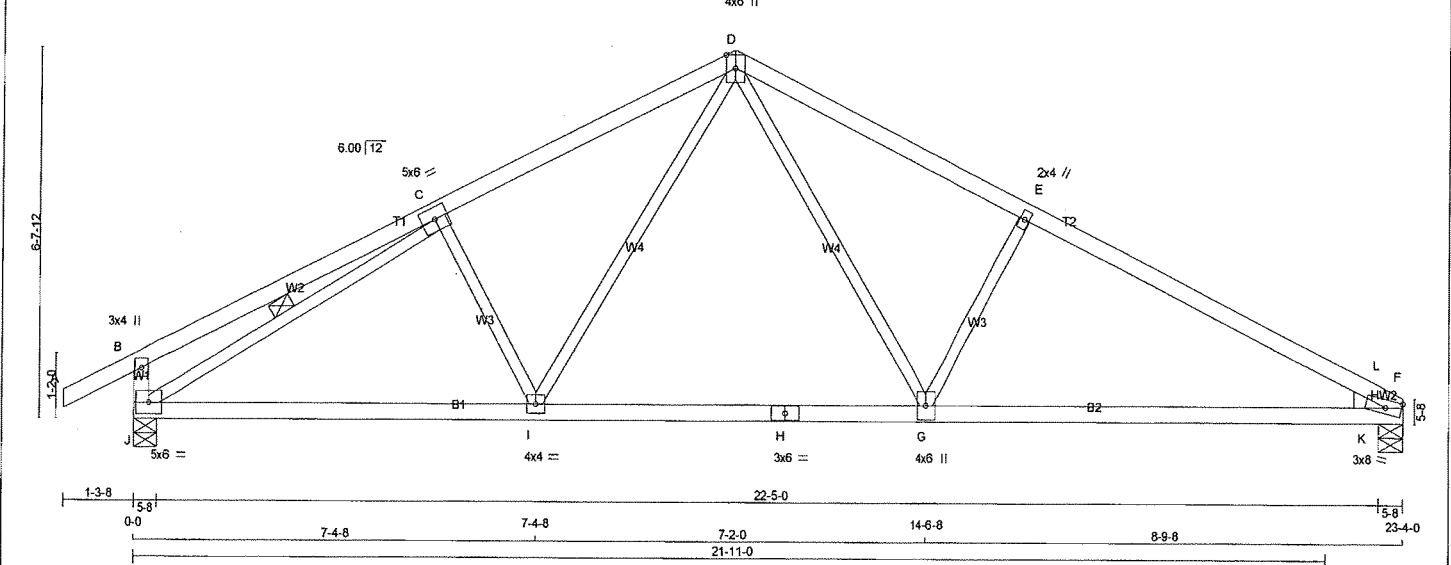
Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Fri Feb 22 08:59:52 2019 Page 1

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1-3-8 0-0 5-7-0 5-7-0 5-4-8 10-11-8 5-4-8 16-4-0 5-7-0 21-11-0 23-2-8

Scale = 1:39.8



TOTAL WEIGHT = 2 X 82 = 165 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
J - B	2x4	DRY	No.2	SPF
J - H	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	5.0	6.0		
D	TTWW+p	MT20	4.0	6.0	Edge	
E	TMW+w	MT20	2.0	4.0		
F	TBMH1-m	MT20	3.0	8.0	1.75	Edge
G	BMWW+t	MT20	4.0	6.0		
H	BS-t	MT20	3.0	6.0		
I	BMWW-t	MT20	4.0	4.0		
J	BMVW1-t	MT20	5.0	6.0		

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

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG	HEEL
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
F	1367	0	1367	0	0
J	1473	0	1473	0	0

UNFACTORED REACTIONS

1ST LCASE	MAX./MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	1045	488 / 0	245 / 0	0 / 0	0 / 0	313 / 0	0 / 0
J	1118	544 / 0	245 / 0	0 / 0	0 / 0	329 / 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 = 4.24 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.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF C-J.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX LC1 MAX (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX UNBRACED LENGTH	MEMB.
FR-TO		FROM	TO	FR-TO			
A-B	0 / 24	-77.7	-77.7 0.10 (1)	10.00	D-G	0 / 899	0.20 (1)
B-C	0 / 22	-77.7	-77.7 0.37 (1)	10.00	G-E	-504 / 0	0.14 (1)
C-D	-1743 / 0	-77.7	-77.7 0.33 (1)	4.72	I-D	0 / 593	0.13 (1)
D-E	-1916 / 0	-77.7	-77.7 0.40 (1)	4.46	C-I	-237 / 35	0.07 (1)
E-L	-2124 / 0	-77.7	-77.7 0.46 (1)	4.24	J-C	-1973 / 0	0.57 (1)
L-F	-2356 / 0	-77.7	-77.7 0.15 (3)	4.44	K-L	0 / 387	0.00 (1)
J-B	-270 / 0	0.0	0.0 0.03 (1)	7.81			
J-I	0 / 1650	-39.5	-39.5 0.57 (2)	10.00			
I-H	0 / 1247	-39.5	-39.5 0.57 (2)	10.00			
H-G	0 / 1247	-39.5	-39.5 0.57 (2)	10.00			
G-K	0 / 1920	-39.5	-39.5 0.67 (2)	10.00			
K-F	0 / 1920	-39.5	-39.5 0.39 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	20.9	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.4	PSF
TOTAL LOAD		=	44.8	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
 - CSA 086-09, CSA 086-14
 - TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.78")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.17")
 ALLOWABLE DEFL.(TL)= L/360 (0.78")
 CALCULATED VERT. DEFL.(TL) = L/935 (0.30")

CSI: TC=0.46/1.00 (E-L:1), BC=0.67/1.00 (G-K:2), WB=0.57/1.00 (C-J:1), SSI=0.20/1.00 (E-L: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 = 1.00

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

NAIL VALUES

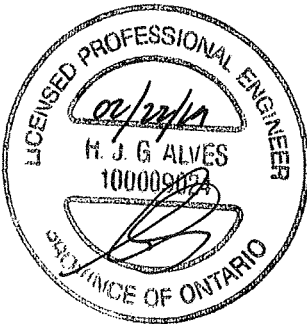
PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN	
MT20	618 354	1667 788	1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

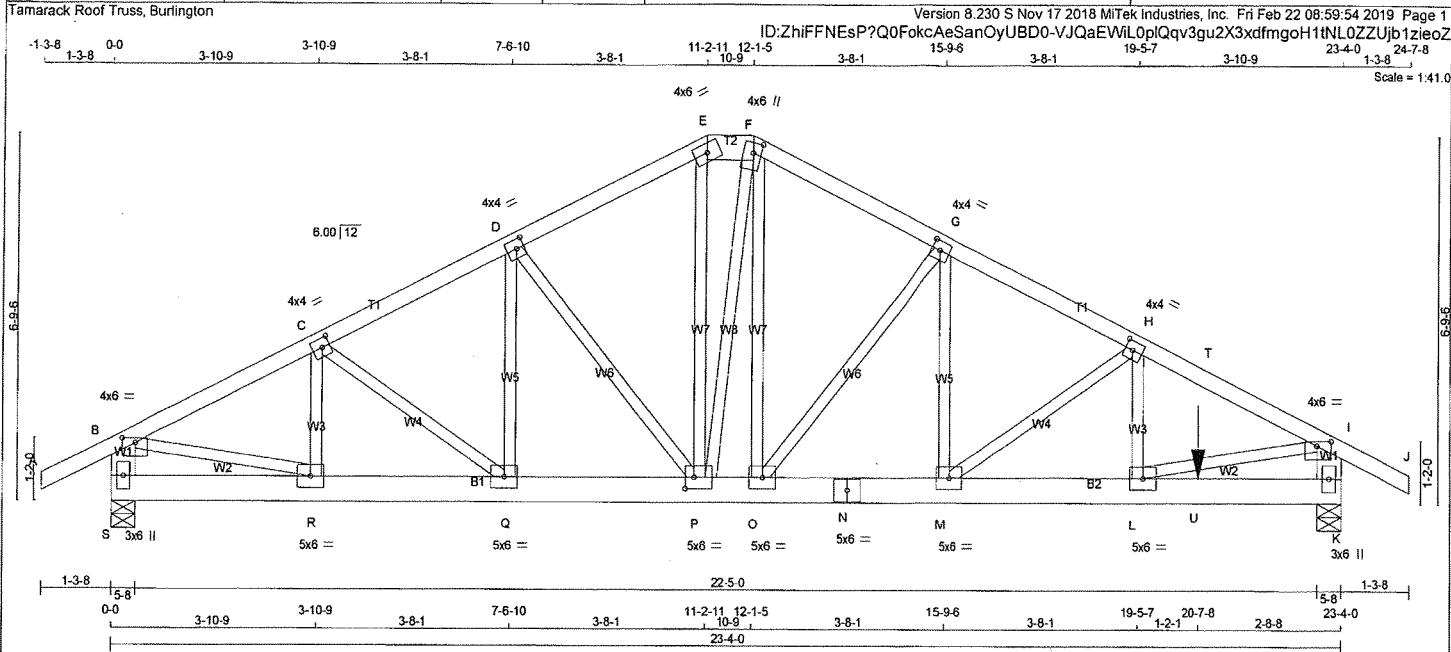
JSI GRIP= 0.85 (J) (INPUT = 0.90)
 JSI METAL= 0.49 (C) (INPUT = 1.00)

DWG NO. TAM 17904112
 STRUCTURAL
 COMPONENT ONLY

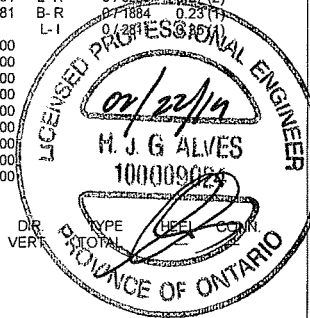


DWG NO. TAM 17904112
 STRUCTURAL
 COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T4	1	2	TRUSS DESC.		



LUMBER N. L. G. A. RULES CHORDS SIZE LUMBER DESCR. A - E 2x4 DRY No.2 SPF E - F 2x6 DRY No.2 SPF F - J 2x4 DRY No.2 SPF S - B 2x6 DRY No.2 SPF K - I 2x6 DRY No.2 SPF S - N 2x6 DRY No.2 SPF N - K 2x6 DRY No.2 SPF ALL WEBS 2x3 DRY No.2 SPF EXCEPT 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-E 1 12 TOP F-J 1 12 SIDE(34.9) E-F 2 12 TOP S-B 2 12 TOP K-I 2 12 TOP BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS S-N 2 12 TOP N-K 2 12 SIDE(24.5) WEBS : (0.122"x3") SPIRAL NAILS 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 B TMVW-p MT20 4.0 6.0 1.00 3.00 C, D, G, H C TMVW-t MT20 4.0 4.0 2.00 1.75 E TTW-h MT20 4.0 6.0 F TTWV-m MT20 4.0 6.0 2.25 1.75 I TMVW-p MT20 4.0 6.0 1.00 3.25 K BMV1+p MT20 3.0 6.0 L, M, O, Q, R L BMVW-t MT20 5.0 6.0 N BS-t MT20 5.0 6.0 P BMVWV-t MT20 5.0 6.0 2.50 2.00 S BMV1+p MT20 3.0 6.0	DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER BEARINGS FACTORED MAXIMUM FACTORED INPUT REQD GROSS REACTION GROSS REACTION BRG BRG JT VERT HORZ DOWN HORZ UPLIFT IN-SX IN-SX S 1609 0 1609 0 0 5-8 5-8 K 2773 0 2773 0 0 5-8 5-8 UNFACTORED REACTIONS 1ST LCASE MAX./MIN. COMPONENT REACTIONS JT COMBINED SNOW LIVE PERMLIVE WIND DEAD SOIL S 1221 596/0 267/0 0/0 0/0 359/0 0/0 K 2097 1049/0 439/0 0/0 0/0 609/0 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 = 5.07 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED. ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED. LOADING TOTAL LOAD CASES: (4) CHORDS MAX. FACTORED WEBS MEMB. FORCE (LBS) VERT. LOAD LC1 MAX. MAX. MEMB. FORCE MAX. (LBS) (PLF) CSI (LC) UNBRAC LENGTH FR-TO (LBS) CSI (LC) FR-TO A-B 0/24 -77.7 -77.7 0.08 (1) 10.00 R-C -230/0 0.02 (1) B-C -2055/0 -77.7 -77.7 0.10 (1) 6.06 C-Q -88/0 0.02 (1) C-D -1988/0 -77.7 -77.7 0.09 (1) 6.15 Q-D 0/194 0.02 (3) D-E -1707/0 -77.7 -77.7 0.08 (1) 6.25 D-P -416/0 0.12 (1) E-F -1512/0 -77.7 -77.7 0.01 (1) 6.25 P-E 0/596 0.07 (1) F-G -1706/0 -77.7 -77.7 0.08 (1) 6.25 P-F -3/12 0.00 (3) G-H -2256/0 -77.7 -77.7 0.12 (1) 5.82 O-F 0/597 0.07 (1) H-T -3082/0 -77.7 -77.7 0.20 (1) 5.07 O-G -795/0 0.23 (1) T-I -3082/0 -155.7 -155.7 0.20 (1) 5.07 M-G 0/588 0.07 (1) I-J 0/47 -155.7 -155.7 0.11 (1) 10.00 L-H -926/0 0.16 (1) S-B -1525/0 0.0 0.0 0.05 (1) 7.81 L-H 0/528 0.07 (2) K-I -2395/0 0.0 0.0 0.08 (1) 7.81 B-R 0/1884 0.23 (1) L-I 0/231 0.02 (1) S-R 0/0 -39.5 -39.5 0.04 (2) 10.00 R-Q 0/1848 -39.5 -39.5 0.15 (1) 10.00 Q-P 0/1779 -39.5 -39.5 0.16 (1) 10.00 P-O 0/1513 -39.5 -39.5 0.15 (1) 10.00 O-N 0/2013 -39.5 -39.5 0.17 (1) 10.00 N-M 0/2013 -39.5 -39.5 0.17 (1) 10.00 M-L 0/2757 -39.5 -39.5 0.28 (1) 10.00 L-U 0/0 -39.5 -39.5 0.27 (1) 10.00 U-K 0/0 -78.0 -78.0 0.27 (1) 10.00 FACTORED CONCENTRATED LOADS (LBS) JT LOC. LC1 MAX- MAX+ FACE DR. TYPE USEI COM. U 20-7-8 -1015 -1015 - FRONT VERT TOTAL 2 	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 = 20.9 PSF DL = 6.0 PSF BOT CH. LL = 10.5 PSF DL = 7.4 PSF TOTAL LOAD = 44.8 PSF SPACING = 24.0 IN.C/C LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM *** NON STANDARD GIRDER *** ADD'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES. THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015 THIS DESIGN COMPLIES WITH: - PART 9 OF CBC 2018, OBC 2012 - CSA 086-09, CSA 086-14 - TPIC 2011, TPIC 2014 (60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD ALLOWABLE DEFL.(LL)= L/360 (0.78") CALCULATED VERT. DEFL.(LL) = L/999 (0.04") ALLOWABLE DEFL.(TL)= L/360 (0.78") CALCULATED VERT. DEFL.(TL) = L/999 (0.06") CSI: TC=0.20/1.00 (H-I:1), BC=0.28/1.00 (L-M:1), WB=0.35/1.00 (L-L:1), SS=0.30/1.00 (K-L:1) DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS=1.00 COMPANION LIVE LOAD FACTOR = 1.00 AUTOSOLVE HEELS OFF TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT. NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI) MAX MIN MAX MIN MAX MIN MT20 618 354 1667 788 1987 1656 PLATE PLACEMENT TOL. = 0.250 inches PLATE ROTATION TOL. = 5.0 Deg. JSI GRIP= 0.82 (I) (INPUT = 0.90) JSI METAL = 0.35 (I) (INPUT = 1.00)
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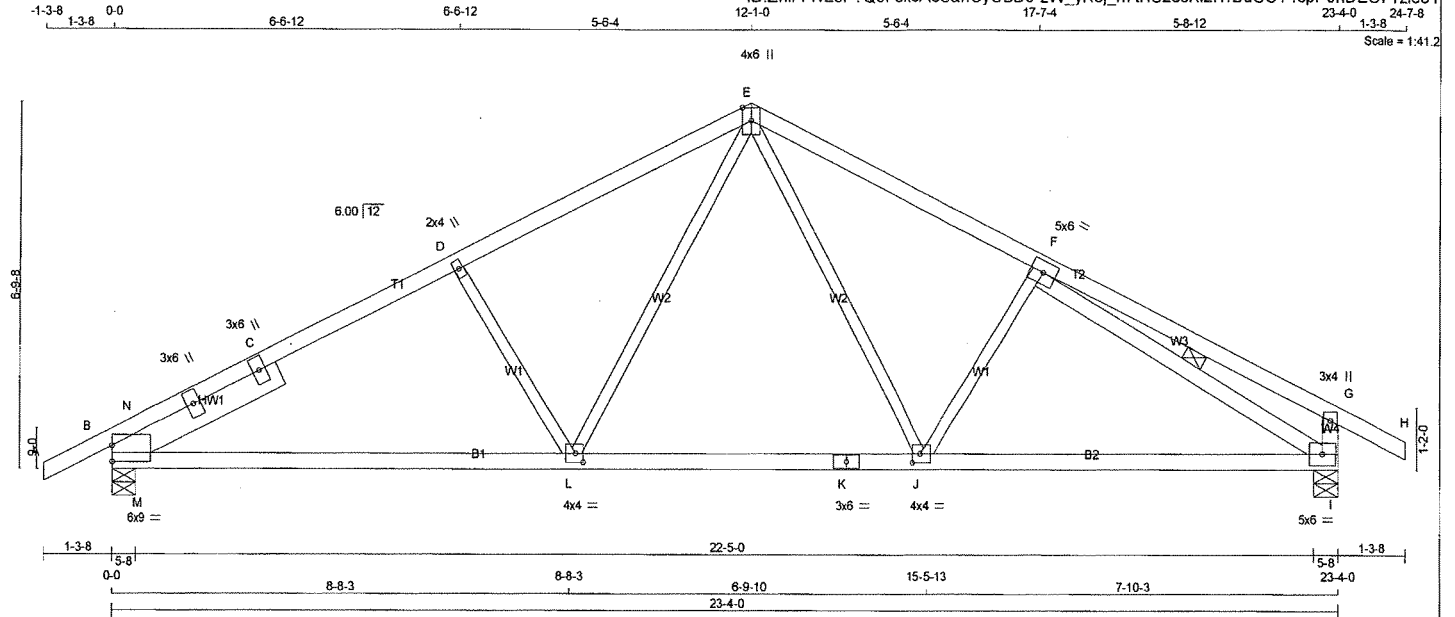


DWG NO. TAM 71904114
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T5X	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Fri Feb 22 08:59:55 2019 Page 1
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TOTAL WEIGHT = 2 X 92 = 185 lb
[M][F]

LUMBER				
N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - E	2x4	DRY	No.2	SPF
E - H	2x4	DRY	No.2	SPF
I - G	2x4	DRY	No.2	SPF
B - K	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
REINFORCING MEMBERS				
HW1	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT				
F - I	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMBMR1-I	MT20	6.0	9.0	3.50	
B	RT+t	MT20	3.0	6.0		
B	RT+t	MT20	3.0	6.0		
D	TMW+w	MT20	2.0	4.0		
E	TTWW+p	MT20	4.0	6.0	Edge	
F	TMWW-t	MT20	5.0	6.0		
G	TMV+p	MT20	3.0	4.0		
I	BMVW1-t	MT20	5.0	6.0		
J	BMVW-t	MT20	4.0	4.0	2.00	1.75
K	BS-t	MT20	3.0	6.0		
L	BMVW-t	MT20	4.0	4.0	2.00	1.75

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

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQ'D
GROSS REACTION		GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	UPLIFT	IN-SX
B	1473	0	1473	0	5-8
I	1473	0	1473	0	5-8
UNFACTORED REACTIONS		1ST LCASE	MAX./MIN. COMPONENT REACTIONS		
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND
B	1118	544 / 0	245 / 0	0 / 0	0 / 0
I	1118	544 / 0	245 / 0	0 / 0	0 / 0

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

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.

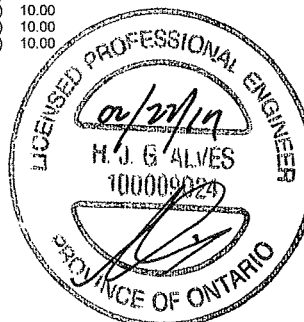
1 LATERAL BRACE(S) AT 1/2 LENGTH OF F-I.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS			WEBS		
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO		FROM TO	FR-TO		
A-B	0 / 9	-77.7 -77.7 0.10 (1)	J-F	-259 / 27	0.08 (1)
B-N	-2107 / 0	-77.7 -77.7 0.05 (1)	F-I	-1959 / 0	0.42 (1)
N-C	-1700 / 0	-77.7 -77.7 0.30 (1)	D-L	-421 / 0	0.14 (1)
C-D	-1700 / 0	-77.7 -77.7 0.30 (1)	L-E	0 / 722	0.16 (1)
D-E	-1756 / 0	-77.7 -77.7 0.33 (1)	E-J	0 / 607	0.14 (1)
E-F	-1701 / 0	-77.7 -77.7 0.35 (1)	M-N	0 / 900	0.00 (1)
F-G	0 / 23	-77.7 -77.7 0.39 (1)	M-C	-600 / 0	0.06 (1)
G-H	0 / 24	-77.7 -77.7 0.10 (1)			
I-G	-272 / 0	0.0 0.0 0.03 (1)			
B-M	0 / 1309	-39.5 -39.5 0.53 (2)			
M-L	0 / 1775	-39.5 -39.5 0.58 (2)			
L-K	0 / 1225	-39.5 -39.5 0.56 (2)			
K-J	0 / 1225	-39.5 -39.5 0.56 (2)			
J-I	0 / 1640	-39.5 -39.5 0.61 (2)			



DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 20.9 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.4 PSF
TOTAL LOAD = 44.8 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.78")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.17")
ALLOWABLE DEFL.(TL)= L/360 (0.78")
CALCULATED VERT. DEFL.(TL) = L/ 965 (0.29")

CSI: TC=0.39/1.00 (F-G:1), BC=0.61/1.00 (I-J:2), WB=0.42/1.00 (F-I:1), SS=0.38/1.00 (B-M:3)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE LEFT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX	MIN	MAX	MIN
MT20	618	354	1667
		788	1987

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

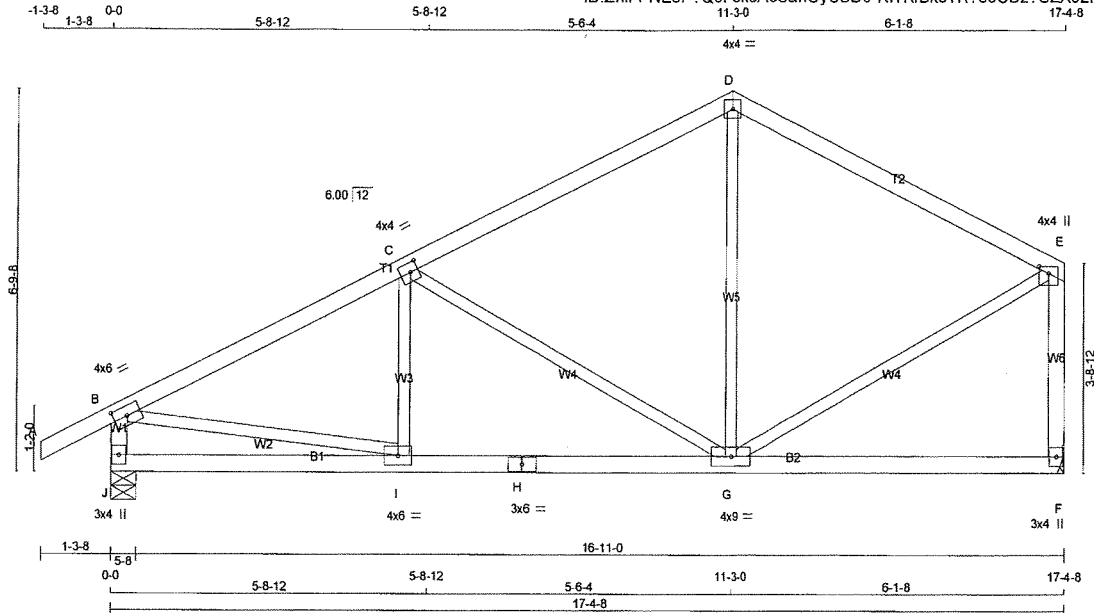
JSI GRIP= 0.78 (F) (INPUT = 0.90)
JSI METAL= 0.63 (B) (INPUT = 1.00)

DWG NO. TAM 7904115
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T7A	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Fri Feb 22 08:59:56 2019 Page 1
ID:ZhiFFNEsP?Q0FokcAeSanOyUBD0-RiYKfBkcYR783CD2?SZX02k4lcwALEYJ0tzqgzieoX



TOTAL WEIGHT = 3 X 71 = 213 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	
J - B	2x4	DRY	No.2	SPF	
F - E	2x4	DRY	No.2	SPF	
J - H	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-t	MT20	4.0	6.0	2.00	3.00
C	TMVW-t	MT20	4.0	4.0	2.00	1.75
D	TTWV-p	MT20	4.0	4.0		
E	TMVW+p	MT20	4.0	4.0	1.50	2.00
F	BMV1+p	MT20	3.0	4.0		
G	BMVWW-t	MT20	4.0	9.0		
H	BS-t	MT20	3.0	6.0		
I	BMVW-t	MT20	4.0	6.0		
J	BMV1+p	MT20	3.0	4.0		

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT	REQRD
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	DOWN	BRG	BRG
J	1124	0		DOWN	HORZ	IN-SX	IN-SX
F	1018	0		1124	0	5-8	5-8
				1018	0	MECHANICAL	

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT F. MINIMUM BEARING LENGTH AT JOINT F = 1-8.

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	851	420 / 0	182 / 0	0 / 0	0 / 0	249 / 0	0 / 0
F	778	363 / 0	182 / 0	0 / 0	0 / 0	233 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.29 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD LC1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD LC1 (LC)	MAX. FACTORED VERT. LOAD LC2 (LC)
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	0 / 24	-77.7	-77.7	0.10 (1)	I-C	0 / 194	0.05 (3)
B-C	-1296 / 0	-77.7	-77.7	0.34 (1)	C-G	-622 / 0	0.56 (1)
C-D	-744 / 0	-77.7	-77.7	0.33 (1)	G-D	0 / 293	0.07 (3)
D-E	-722 / 0	-77.7	-77.7	0.38 (1)	B-I	0 / 1196	0.27 (1)
J-B	-1038 / 0	0.0	0.0	0.10 (1)	G-E	0 / 740	0.17 (1)
F-E	-922 / 0	0.0	0.0	0.21 (1)			
J-I	0 / 0	-39.5	-39.5	0.20 (3)			
I-H	0 / 1181	-39.5	-39.5	0.43 (2)			
H-G	0 / 1181	-39.5	-39.5	0.43 (2)			
G-F	0 / 0	-39.5	-39.5	0.28 (3)			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 20.9 PSF
DL	= 6.0 PSF
BOT CH. LL	= 10.5 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 44.8 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.58")
CALCULATED VERT. DEFL. (LL) = L/999 (0.05")
ALLOWABLE DEFL. (TL) = L/360 (0.58")
CALCULATED VERT. DEFL. (TL) = L/999 (0.09")

CSI: TC=0.38/1.00 (D-E:1), BC=0.43/1.00 (G-I:2), WB=0.56/1.00 (C-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 = 1.00

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

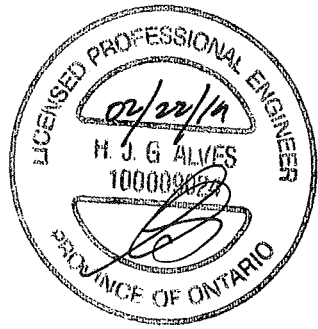
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MT20	618	354	1657
	788	1987	1656

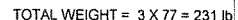
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.74 (I) (INPUT = 0.90)
JSI METAL= 0.44 (H) (INPUT = 1.00)



DWG NO. TAM 1904116
STRUCTURAL
COMPONENT ONLY

Scale = 1:44.7

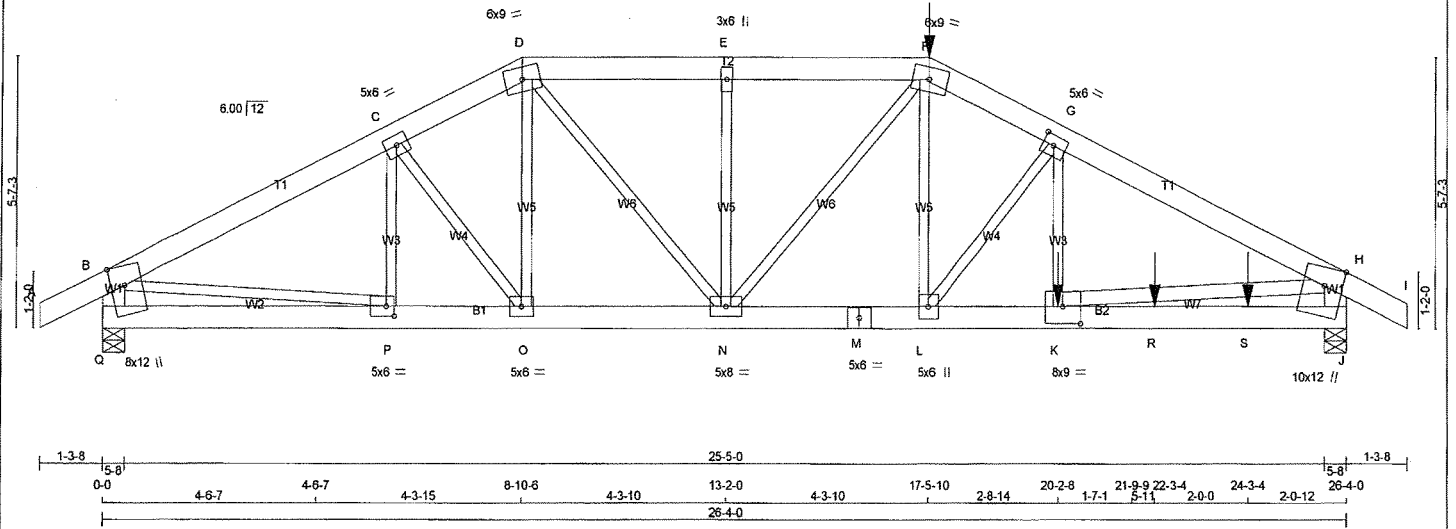
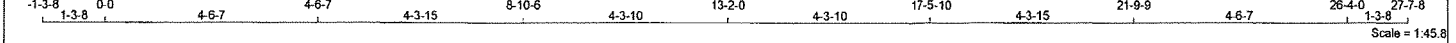
DWG NO. TAM 719041/7
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T10	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 150 lb

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 - I	2x6	DRY	No.2	SPF	
Q - B	2x6	DRY	No.2	SPF	
J - H	2x6	DRY	No.2	SPF	
Q - M	2x6	DRY	No.2	SPF	
M - J	2x6	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					
K - H	2x4	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQRD
JT	VERT	GROSS REACTION	GROSS REACTION	BRG	BRG
Q	2202	0	2202	0	5-8
J	3340	0	3340	0	5-8

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	1665	831 / 0	349 / 0	0 / 0	0 / 0	485 / 0	0 / 0
J	2529	1251 / 0	538 / 0	0 / 0	0 / 0	740 / 0	0 / 0

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

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		FACTORED		WEBS		FACTORED	
MEMB.	FORCE	VERT. LOAD	LC1	MAX.	MEMB.	FORCE	MAX.
FR-TO	(LBS)	FROM	TO	CS1 (LC)	FR-TO	(LBS)	CS1 (LC)
A-B	0 / 24	-77.7	-77.7	0.06 (1)	P-C	-154 / 95	0.04 (1)
B-C	-3212 / 0	-77.7	-77.7	0.30 (1)	C-O	-261 / 0	0.09 (1)
C-D	-3079 / 0	-77.7	-77.7	0.17 (1)	O-D	0 / 362	0.09 (1)
D-E	-3415 / 0	-77.7	-77.7	0.16 (1)	D-N	0 / 1063	0.26 (1)
E-F	-3415 / 0	-77.7	-77.7	0.16 (1)	N-E	-366 / 0	0.16 (1)
F-G	-4069 / 0	-77.7	-77.7	0.13 (1)	N-F	-370 / 0	0.29 (1)
G-H	-5181 / 0	-77.7	-77.7	0.06 (1)	L-F	0 / 1505	0.37 (1)
H-I	0 / 24	-77.7	-77.7	0.06 (1)	L-G	-1679 / 0	0.59 (1)
Q-B	-2083 / 0	0.0	0.0	0.15 (1)	K-G	0 / 1447	0.36 (1)
J-H	-3171 / 0	0.0	0.0	0.22 (1)	B-P	0 / 2901	0.72 (1)
					K-H	0 / 4667	0.83 (1)
Q-P	0 / 0	-39.5	-39.5	0.15 (2)			
P-O	0 / 2883	-39.5	-39.5	0.41 (1)			
O-N	0 / 2732	-39.5	-39.5	0.39 (1)			
N-M	0 / 3653	-39.5	-39.5	0.51 (1)			
M-L	0 / 3653	-39.5	-39.5	0.51 (1)			
L-K	0 / 4638	-39.5	-39.5	0.64 (1)			
K-R	0 / 0	-39.5	-39.5	0.24 (2)			
R-S	0 / 0	-39.5	-39.5	0.24 (2)			
S-J	0 / 0	-39.5	-39.5	0.24 (2)			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
F	17-5-10	-75	-84	---	FRONT	VERT	DEAD	---	---
F	17-5-10	-300	-300	---	FRONT	VERT	SNOW	---	---
K	20-2-8	-1781	-1781	---	BACK	VERT	TOTAL	---	---
R	22-3-4	-41	-52	---	BACK	VERT	TOTAL	---	---
S	24-3-4	-41	-52	---	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 = 20.9	PSF
	DL = 6.0	PSF
BOT CH.	LL = 10.5	PSF
	DL = 7.4	PSF
TOTAL LOAD	= 44.8	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

*** NON STANDARD GIRDER ***

ADD'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.88")
CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
ALLOWABLE DEFL.(TL)= L/360 (0.88")
CALCULATED VERT. DEFL.(TL) = L/999 (0.21")

CS1: TC=0.46/1.00 (G-H:1), BC=0.64/1.00 (K-L:1), WB=0.83/1.00 (H-K:1), SS1=0.16/1.00 (J-K:3)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

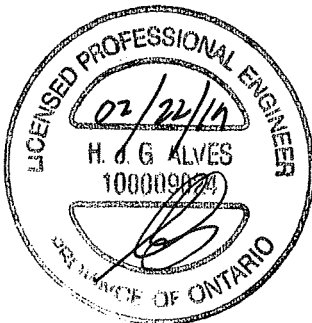
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MT20	618	354	1667
		788	1987
			1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (Q) (INPUT = 0.90)
JSI METAL= 0.95 (J) (INPUT = 1.00)



DRWG NO. TAM 1904119
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T12	4	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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MiTek Industries, Inc.

Fr Feb 22 09:00:01 2019

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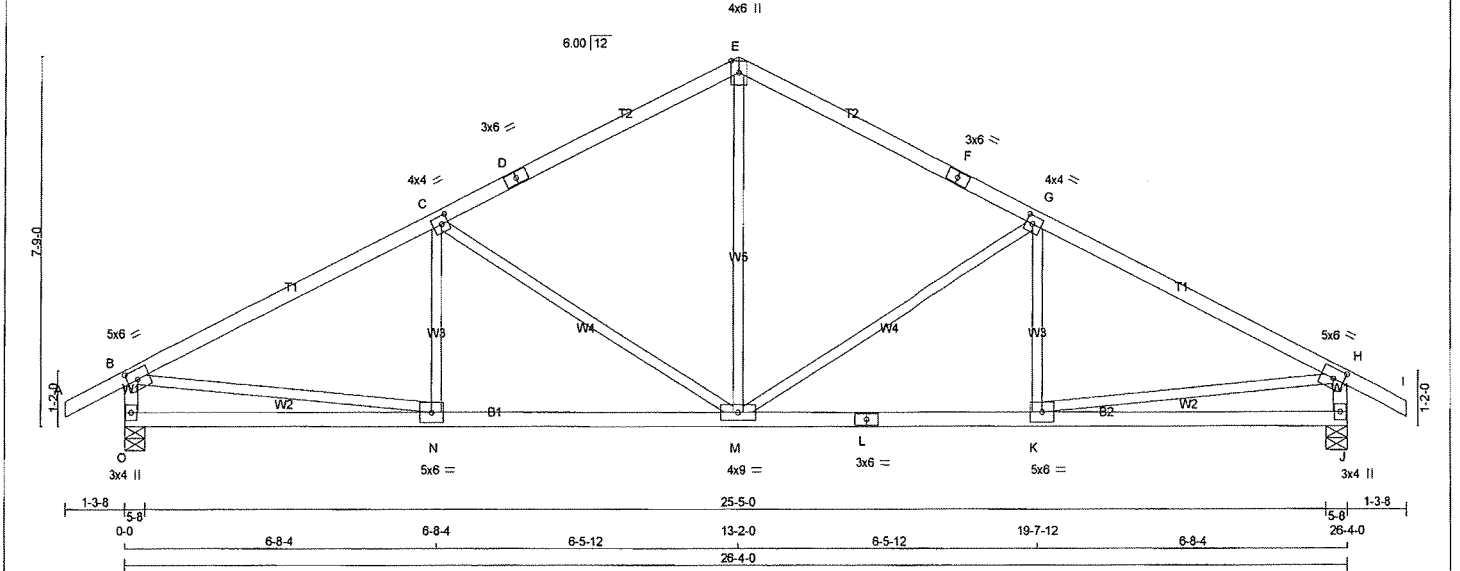
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26-4-0

27-7-8

1-3-8

Scale = 1:48.6



TOTAL WEIGHT = 4 X 103 = 414 lb

[M][F]

LUMBER

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-I	MT20	5.0	6.0	2.50	2.75
C	TMVW-I	MT20	4.0	4.0	2.00	1.75
D	TS-t	MT20	3.0	6.0		
E	TTW+p	MT20	4.0	6.0	Edge	
F	TS-t	MT20	3.0	6.0		
G	TMVW-I	MT20	4.0	4.0	2.00	1.75
H	TMVW-I	MT20	5.0	6.0	2.50	2.75
J	BMV1+p	MT20	3.0	4.0		
K	BMV1+p	MT20	5.0	6.0		
L	BS-t	MT20	3.0	6.0		
M	BMVW-I	MT20	4.0	9.0		
N	BMVW-I	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		FACTORED	MAXIMUM FACTORED	INPUT	REQRD
JT	VERT	GROSS REACTION	DOWN	BRG	BRG
O	1649	0	1649	0	5-8
J	1649	0	1649	0	5-8

UNFACTORED REACTIONS

JT	1ST CASE	MAX	MIN	COMPONENT REACTIONS
O	1253	607 / 0	277 / 0	0 / 0
J	1253	607 / 0	277 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.08 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	FORCE (LBS)
FR-TO		FROM	TO	LENGTH FR-TO	
A-B	0 / 24	-77.7	-77.7	0.10 (1)	10.00
B-C	-2171 / 0	-77.7	-77.7	0.56 (1)	4.08
C-D	-1572 / 0	-77.7	-77.7	0.48 (1)	4.72
D-E	-1572 / 0	-77.7	-77.7	0.48 (1)	4.72
E-F	-1572 / 0	-77.7	-77.7	0.48 (1)	4.72
F-G	-1572 / 0	-77.7	-77.7	0.48 (1)	4.72
G-H	-2171 / 0	-77.7	-77.7	0.56 (1)	4.08
H-I	0 / 24	-77.7	-77.7	0.10 (1)	10.00
O-B	-1541 / 0	0.0	0.0	0.16 (1)	6.63
J-H	-1541 / 0	0.0	0.0	0.16 (1)	6.63
O-N	0 / 0	-39.5	-39.5	0.32 (3)	10.00
N-M	0 / 1966	-39.5	-39.5	0.58 (2)	10.00
M-L	0 / 1966	-39.5	-39.5	0.58 (2)	10.00
L-K	0 / 1966	-39.5	-39.5	0.58 (2)	10.00
K-J	0 / 0	-39.5	-39.5	0.32 (3)	10.00

DESIGN CRITERIA

SPECIFIED LOADS:	
TOP CH.	LL = 20.9 PSF
	DL = 6.0 PSF
BOT CH.	LL = 10.5 PSF
	DL = 7.4 PSF
TOTAL LOAD	= 44.8 PSF

SPACING = 24.0 IN./C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.88")
CALCULATED VERT. DEFL.(LL) = L/999 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (0.88")
CALCULATED VERT. DEFL.(TL) = L/999 (0.17")

CSI: TC=0.58/1.00 (G-H:1), BC=0.58/1.00 (K-M:2), VB=0.85/1.00 (G-M:1), SS=0.22/1.00 (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 = 1.00

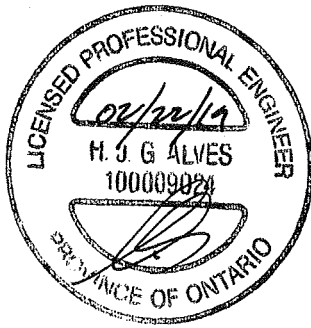
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES	
PLATE	GRIP(DRY) SHEAR SECTION
(PSI)	(PLI) (PLI)
MT20	618 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (M) (INPUT = 0.90)
JSI METAL= 0.72 (L) (INPUT = 1.00)



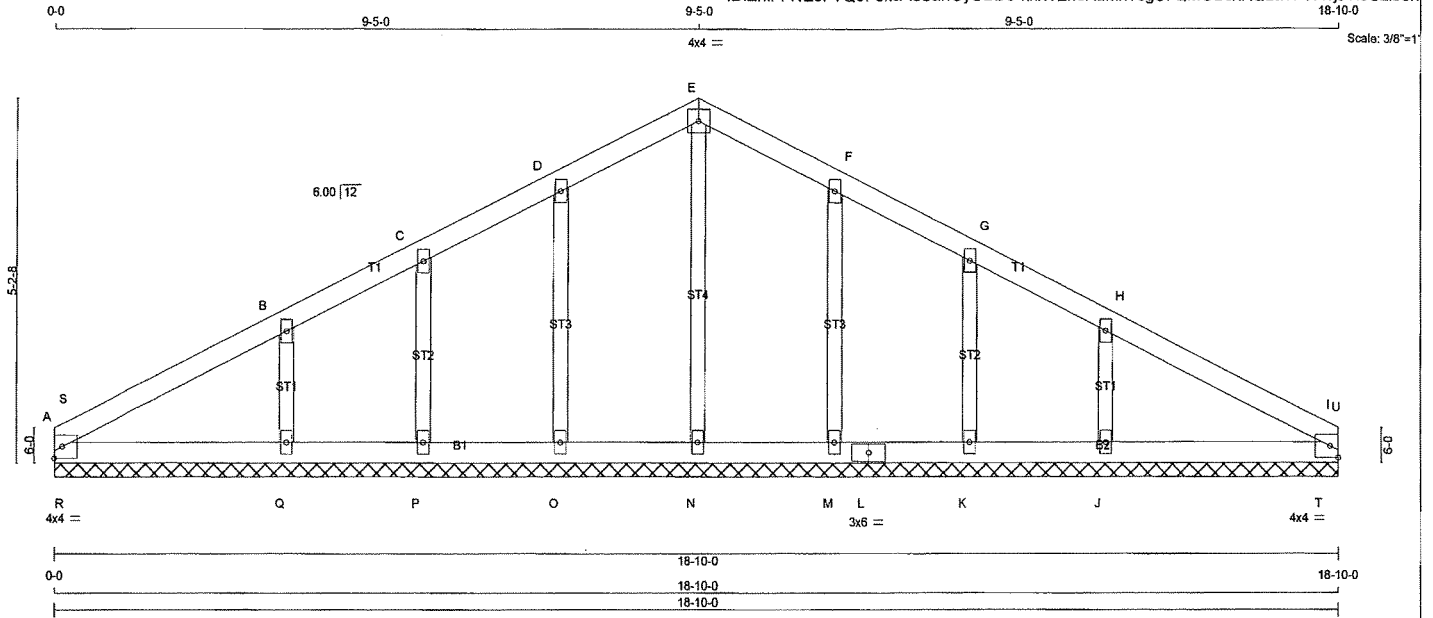
DWG NO. TAM 17904121
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	G13	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 62 lb

LUMBER				
N. L. G. A. RULES				
CHORDS	SIZE	LUMBER	DESCR.	
A - E	2x4 DRY	No.2	SPF	
E - I	2x4 DRY	No.2	SPF	
A - L	2x4 DRY	No.2	SPF	
L - I	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
A	TMB1-I	MT20	4.0	4.0
B, C, D, F, G, H				
B	TMW+w	MT20	2.0	4.0
E	TTW-p	MT20	4.0	4.0
I	TMB1-I	MT20	4.0	4.0
J, K, M, N, O, P, Q				
J	BMW1+w	MT20	2.0	4.0
L	BS-t	MT20	3.0	6.0

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

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

BEARINGS

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

MAX. FACTORED VERT. LOAD LC1 MAX. UNBRACED LENGTH FR-TO

MEMB. FORCE (LBS) FROM TO (PLF) CSI (LC) MEMB. FORCE (LBS) MAX. FACTORED CSI (LC)

FR-TO A-S -149 / 0 -77.7 -77.7 0.02 (3) 6.25 N-E -80 / 8 0.02 (1)

S-B -84 / 0 -77.7 -77.7 0.09 (1) 6.25 O-D -183 / 0 0.05 (1)

B-C -95 / 0 -77.7 -77.7 0.09 (1) 6.25 P-C -117 / 0 0.02 (1)

C-D -75 / 0 -77.7 -77.7 0.05 (1) 6.25 Q-B -241 / 0 0.04 (1)

D-E -83 / 0 -77.7 -77.7 0.05 (1) 6.25 M-F -183 / 0 0.05 (1)

E-F -83 / 0 -77.7 -77.7 0.05 (1) 6.25 K-G -117 / 0 0.02 (1)

F-G -75 / 0 -77.7 -77.7 0.05 (1) 6.25 J-H -241 / 0 0.04 (1)

G-H -95 / 0 -77.7 -77.7 0.09 (1) 6.25 R-S -89 / 122 0.00 (1)

H-U -84 / 0 -77.7 -77.7 0.09 (1) 6.25 T-U -89 / 122 0.00 (1)

U-I -149 / 0 -77.7 -77.7 0.02 (3) 6.25

A-R 0 / 82 -39.5 -39.5 0.05 (1) 10.00

R-Q 0 / 82 -39.5 -39.5 0.08 (2) 10.00

Q-P 0 / 74 -39.5 -39.5 0.08 (2) 10.00

P-O 0 / 71 -39.5 -39.5 0.04 (2) 10.00

O-N 0 / 68 -39.5 -39.5 0.04 (2) 10.00

N-M 0 / 68 -39.5 -39.5 0.04 (2) 10.00

M-L 0 / 71 -39.5 -39.5 0.04 (2) 10.00

L-K 0 / 71 -39.5 -39.5 0.04 (2) 10.00

K-J 0 / 74 -39.5 -39.5 0.08 (2) 10.00

J-T 0 / 82 -39.5 -39.5 0.08 (2) 10.00

T-I 0 / 82 -39.5 -39.5 0.05 (1) 10.00

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 20.9 PSF

DL = 6.0 PSF

BOT CH. LL = 10.5 PSF

DL = 7.4 PSF

TOTAL LOAD = 44.8 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL

OR SMALL BUILDING REQUIREMENTS OF

PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012

- CSA 086-09, CSA 086-14

- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F.

RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED

ROOF LIVE LOAD

CSI: TC=0.09/1.00 (B-S:1), BC=0.09/1.00 (Q-R:2),

WB=0.05/1.00 (D-O:1), SS=0.11/1.00 (A-R: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 = 1.00

TRUSS PLATE MANUFACTURER IS NOT

RESPONSIBLE FOR QUALITY CONTROL IN

THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

MT20 618 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.40 (D) (INPUT = 0.90)

JSI METAL= 0.10 (H) (INPUT = 1.00)



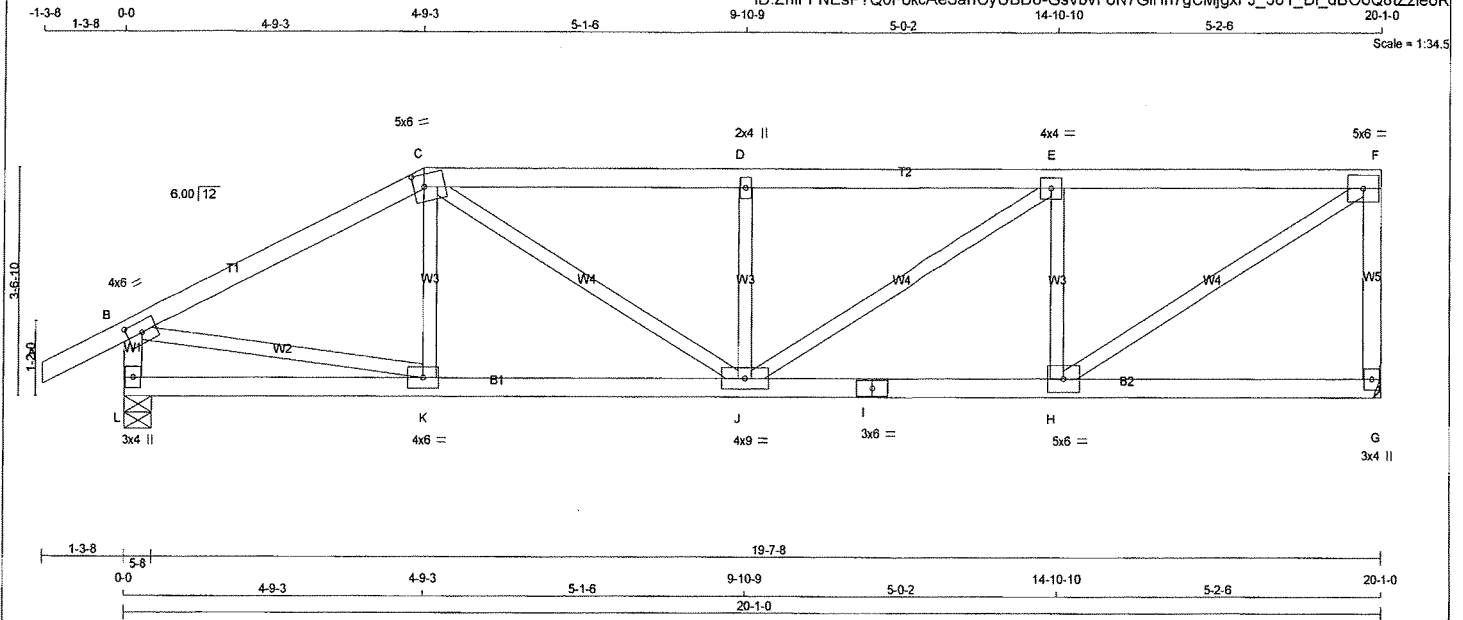
DWG NO. TAM 71904122
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T14A	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:ZhiFFNEsP?Q0FokcAeSanOyUBD0-GsvbvFoN7GIHn7gCMjoxFJ_581_DI_dBOoQ8tZzieoR



TOTAL WEIGHT = 77 lb

LUMBER

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

ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
-----------------	-----	-----	------	-----

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	6.0	2.00	3.00
C	TTVVW-m	MT20	5.0	6.0	2.25	2.00
D	TMVW-w	MT20	2.0	4.0		
E	TMVW-t	MT20	4.0	4.0		
F	TMVW-t	MT20	5.0	6.0		
G	BMV1+p	MT20	3.0	4.0		
H	BMVW-t	MT20	5.0	6.0		
I	BS-t	MT20	3.0	6.0		
J	BMVWV-t	MT20	4.0	9.0		
K	BMVW-t	MT20	4.0	6.0		
L	BMV1+p	MT20	3.0	4.0		

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQRD	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	HORZ	BRG	BRG	IN-SX	IN-SX
G	1177	0	1177	0	0	MECHANICAL			
L	1282	0	1282	0	0	5-8	5-8		

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT G. MINIMUM BEARING LENGTH AT JOINT G = 1-8.

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	COMBINED	420 / 0	211 / 0	0 / 0	0 / 0	269 / 0	0 / 0
L		476 / 0	211 / 0	0 / 0	0 / 0	285 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.55 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT.	LC1 MAX	MEMB.	FORCE (LBS)	MAX	LC1 (LBS)
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	0 / 24	-77.7	-77.7	0.10 (1)	10.00	K-C	-15 / 146
B-C	-1510 / 0	-77.7	-77.7	0.36 (1)	4.93	B-K	0 / 1370
C-D	-1885 / 0	-77.7	-77.7	0.32 (1)	4.57	H-F	0 / 1746
D-E	-1885 / 0	-77.7	-77.7	0.33 (1)	4.55	C-J	0 / 635
E-F	-1479 / 0	-77.7	-77.7	0.31 (1)	5.04	H-E	-699 / 0
G-F	-1093 / 0	0.0	0.0	0.21 (1)	7.56	J-D	-423 / 0
L-B	-1205 / 0	0.0	0.0	0.12 (1)	7.29	J-E	0 / 484
L-K	0 / 0	-39.5	-39.5	0.18 (3)	10.00		
K-J	0 / 1349	-39.5	-39.5	0.36 (2)	10.00		
J-I	0 / 1479	-39.5	-39.5	0.39 (2)	10.00		
I-H	0 / 1479	-39.5	-39.5	0.39 (2)	10.00		
H-G	0 / 0	-39.5	-39.5	0.19 (3)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 20.9 PSF
DL	= 6.0 PSF
BOT CH. LL	= 10.5 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 44.8 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.67")
CALCULATED VERT. DEFL.(LL) = L/999 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (0.67")
CALCULATED VERT. DEFL.(TL) = L/999 (0.12")

CSI: TC=0.36/1.00 (B-C:1), BC=0.39/1.00 (H-J:2), WB=0.39/1.00 (F-H:1), SSI=0.19/1.00 (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 = 1.00

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

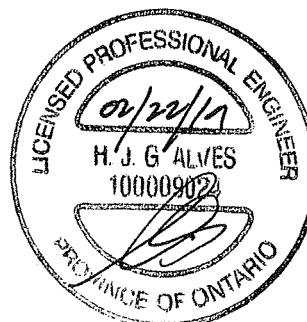
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MT20	618	354	1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (K) (INPUT = 0.90)
JSI METAL= 0.54 (I) (INPUT = 1.00)

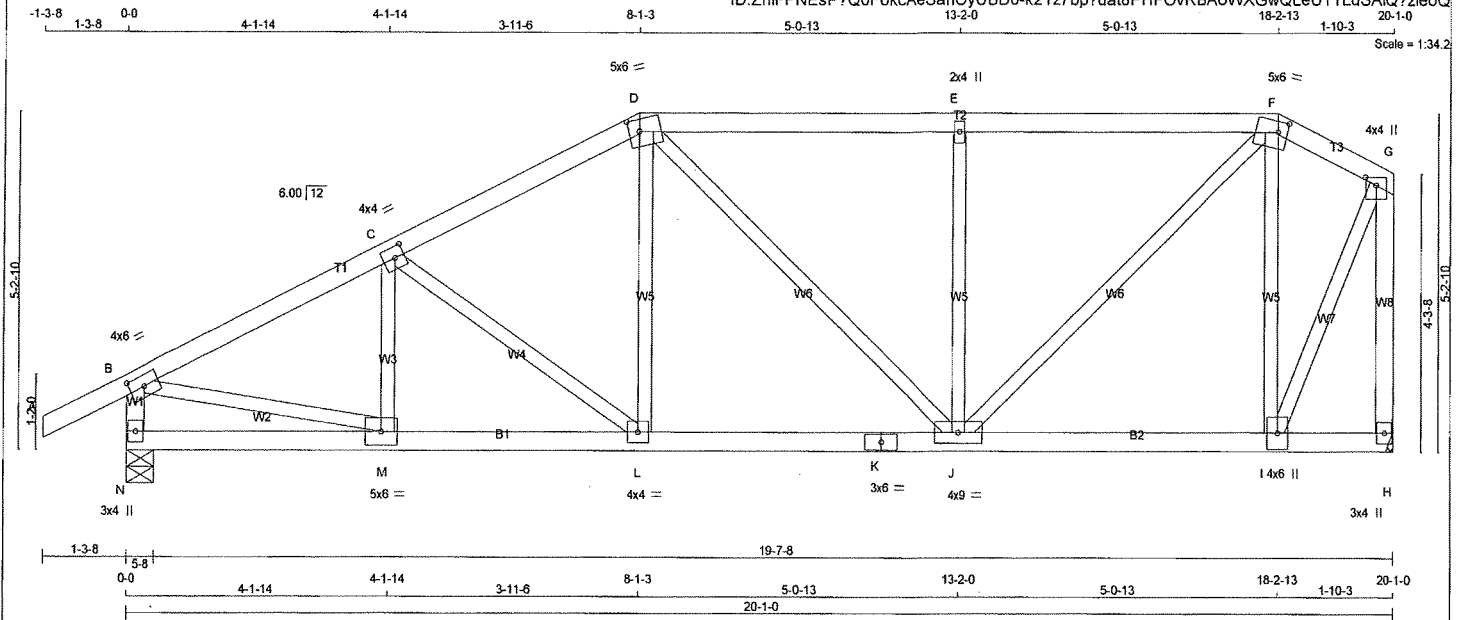


DWG NO. TAM 17904/23
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T15A	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 89 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 - G	2x4	DRY	No.2	SPF
N - B	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
N - K	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-I	MT20	4.0	6.0	2.00	3.00
C	TMVW-I	MT20	4.0	4.0	2.00	1.75
D	TTVW-m	MT20	5.0	6.0	2.25	2.00
E	TMVW-w	MT20	2.0	4.0		
F	TTVW-m	MT20	5.0	6.0	2.00	1.75
G	TMVW+p	MT20	4.0	4.0	1.50	2.00
H	BMV1+p	MT20	3.0	4.0		
I	BMVW+H	MT20	4.0	6.0		
J	BMVWV-I	MT20	4.0	9.0		
K	BS-I	MT20	3.0	6.0		
L	BMVW-I	MT20	4.0	4.0		
M	BMVW-I	MT20	5.0	6.0		
N	BMV1+p	MT20	3.0	4.0		

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQRD	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	DOWN	UPLIFT	BRG	IN-SX	BRG
N	1282	0	1282	0	0	5-8	5-8		
H	1177	0	1177	0	0	MECHANICAL			

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT H. MINIMUM BEARING LENGTH AT JOINT H = 1-8.

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	973	476 / 0	211 / 0	0 / 0	0 / 0	285 / 0	0 / 0
H	900	420 / 0	211 / 0	0 / 0	0 / 0	269 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.07 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MAX. MEMB.	FORCE (LBS)	MAX. MEMB.	FORCE (LBS)
FR-TO		FROM	TO	UNBRAC	FR-TO		
A-B	0 / 24	-77.7	-77.7	0.10 (1)	10.00	M-C	-117 / 63
B-C	-1532 / 0	-77.7	-77.7	0.23 (1)	5.07	C-L	-271 / 0
C-D	-1319 / 0	-77.7	-77.7	0.22 (1)	5.38	L-D	0 / 365
D-E	-1147 / 0	-77.7	-77.7	0.36 (1)	5.47	D-J	-42 / 0
E-F	-1147 / 0	-77.7	-77.7	0.36 (1)	5.47	J-E	-483 / 0
F-G	-483 / 0	-77.7	-77.7	0.05 (1)	6.25	J-F	0 / 1018
N-B	-1211 / 0	0.0	0.0	0.12 (1)	7.28	I-F	-716 / 0
H-G	-1169 / 0	0.0	0.0	0.36 (1)	7.37	B-M	0 / 1413
						I-G	0 / 980
N-M	0 / 0	-39.5	-39.5	0.11 (3)	10.00		
M-L	0 / 1384	-39.5	-39.5	0.31 (2)	10.00		
L-K	0 / 1172	-39.5	-39.5	0.31 (2)	10.00		
K-J	0 / 1172	-39.5	-39.5	0.31 (2)	10.00		
J-I	0 / 416	-39.5	-39.5	0.20 (2)	10.00		
I-H	0 / 0	-39.5	-39.5	0.11 (3)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 20.9 PSF
DL	= 6.0 PSF
BOT CH. LL	= 10.5 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 44.8 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.67")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.67")
CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSI: TC=0.38/1.00 (E-F-1), BC=0.31/1.00 (J-L-2), WB=0.32/1.00 (B-M-1), SSI=0.19/1.00 (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 = 1.00

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

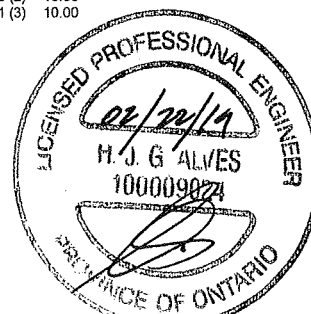
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX MIN	MAX MIN	MAX MIN	
MT20	618	354	1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



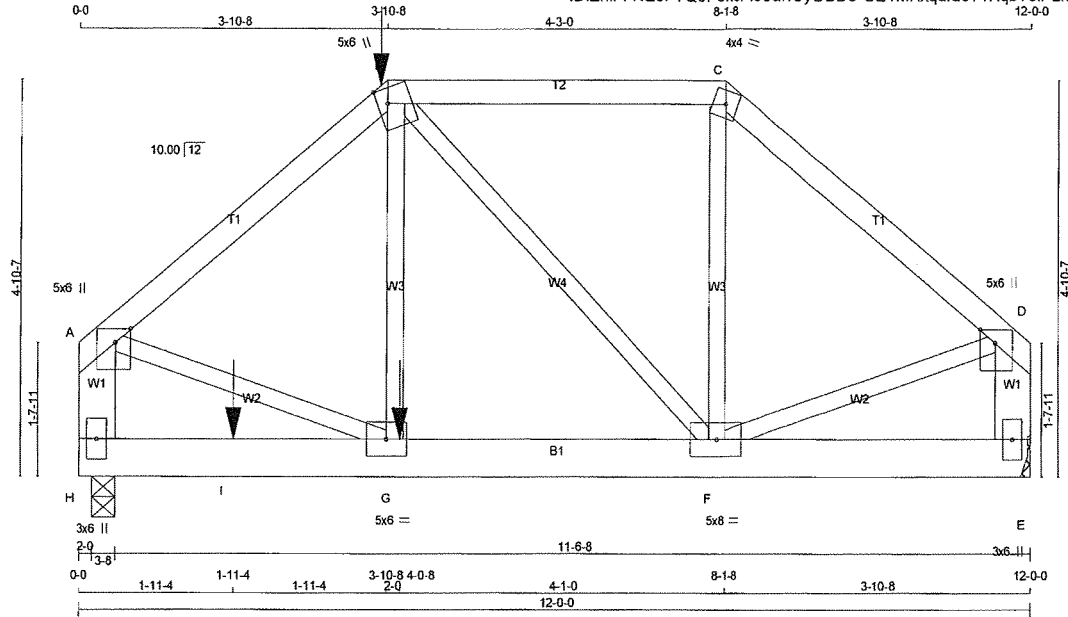
DWG NO. TAM 77904124
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T16	1	1	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 - B	2x4	DRY	No.2	SPF	
B - C	2x4	DRY	No.2	SPF	
C - D	2x4	DRY	No.2	SPF	
H - A	2x6	DRY	No.2	SPF	
E - D	2x6	DRY	No.2	SPF	
H - E	2x6	DRY	No.2	SPF	

ALL WEBS 2x3 DRY No.2 SPF EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	6.0	2.00	2.25
B	TTWW+m	MT20	5.0	6.0	2.25	1.50
C	TTW-m	MT20	4.0	4.0		
D	TMVW+p	MT20	5.0	6.0	2.00	2.25
E	BMV1+p	MT20	3.0	6.0		
F	BMWWV-t	MT20	5.0	8.0		
G	BMWW-t	MT20	5.0	6.0		
H	BMV1+p	MT20	3.0	6.0		

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

BEARINGS	FACTORED	GROSS REACTION	MAXIMUM FACTORED	INPUT	REQD
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
H	1168	0	1168	0	0
E	925	0	925	0	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT E. MINIMUM BEARING LENGTH AT JOINT E = 1-8.

UNFACTORED REACTIONS

JT	1ST LCASE	MAX	MIN	COMPONENT REACTIONS
H	881	448 / 0	180 / 0	0 / 0
E	700	348 / 0	149 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.78 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
FR-TO	LOC.	LC1	MAX-	MAX+	FACE
A-B	-1060 / 0	-77.7	-77.7	0.25 (1)	5.78
B-C	-625 / 0	-77.7	-77.7	0.27 (1)	6.25
C-D	-809 / 0	-77.7	-77.7	0.24 (1)	6.25
H-A	-1081 / 0	0.0	0.0	0.08 (1)	7.81
E-D	-861 / 0	0.0	0.0	0.06 (1)	7.81
H-I	0 / 0	-39.5	-39.5	0.08 (2)	10.00
I-G	0 / 0	-39.5	-39.5	0.08 (2)	10.00
G-F	0 / 821	-39.5	-39.5	0.15 (1)	10.00
F-E	0 / 0	-39.5	-39.5	0.06 (3)	10.00

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
B	3-10-8	-175	-175	---	FRONT	VERT	TOTAL	---	---
G	4-0-8	-486	-486	---	FRONT	VERT	TOTAL	---	---
I	1-11-4	-26	-37	---	FRONT	VERT	TOTAL	---	---

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	= 20.9	PSF
	DL	= 6.0	PSF
BOT CH.	LL	= 10.5	PSF
	DL	= 7.4	PSF
TOTAL LOAD	=	44.8	PSF

SPACING = 24.0 IN./C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60% OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.40")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.40")
CALCULATED VERT. DEFL.(TL) = L/999 (0.02")

CSI: TC=0.27/1.00 (B-C-1), BC=0.15/1.00 (F-G-1), WB=0.21/1.00 (A-G-1), SSI=0.14/1.00 (B-C-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

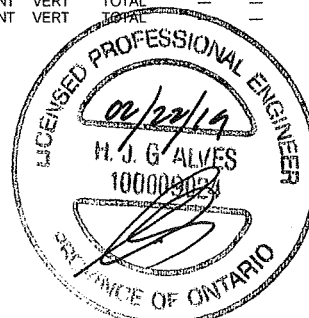
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.66 (A) (INPUT = 0.90)
JSI METAL= 0.21 (G) (INPUT = 1.00)



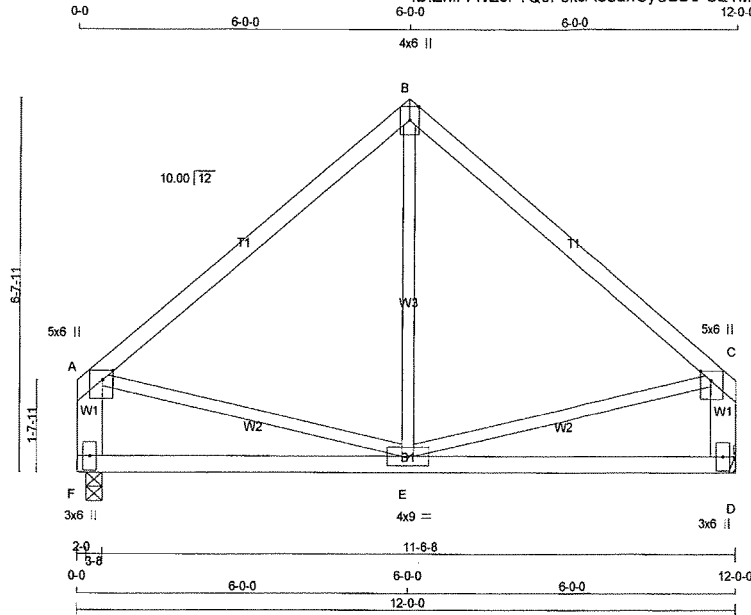
DWG NO. TAM T1604125
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	COND0 BLOCK 2UNITS 4, 5	DRWG NO.
401499	T17	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:39.4

TOTAL WEIGHT = 51 lb [M]F

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - B	2x4	DRY	No.2	SPF
B - C	2x4	DRY	No.2	SPF
F - A	2x6	DRY	No.2	SPF
D - C	2x6	DRY	No.2	SPF
F - D	2x4	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	6.0	2.00	2.25
B	TTW+p	MT20	4.0	6.0	Edge	
C	TMVW+p	MT20	5.0	6.0	2.00	2.25
D	BMV1+p	MT20	3.0	6.0		
E	BMVWW-t	MT20	4.0	9.0		
F	BMV1+p	MT20	3.0	6.0		

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

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
F	703	0	703	0
D	703	0	703	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 1-8.

UNFACTORED REACTIONS

JT	1ST LCASE	MAX /MIN	COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	538	251 / 0	126 / 0	0 / 0	0 / 0	161 / 0	0 / 0	0 / 0	0 / 0
D	538	251 / 0	126 / 0	0 / 0	0 / 0	161 / 0	0 / 0	0 / 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)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED MAX. VERT. LOAD (LC)	MAX. UNBRACED LENGTH (FR-TO)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FR-TO)
A-B	-471 / 0	-77.7	-77.7	0.36 (1)	6.25	E-B	0 / 278	0.07 (3)	
B-C	-471 / 0	-77.7	-77.7	0.36 (1)	6.25	E-C	0 / 370	0.08 (1)	
F-A	-613 / 0	0.0	0.0	0.04 (1)	7.81	A-E	0 / 370	0.08 (1)	
D-C	-613 / 0	0.0	0.0	0.04 (1)	7.81				
F-E	0 / 0	-39.5	-39.5	0.32 (3)	10.00				
E-D	0 / 0	-39.5	-39.5	0.32 (3)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	20.9	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.4	PSF
TOTAL LOAD		=	44.8	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.40")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.04")
ALLOWABLE DEFL.(TL) = $L/360$ (0.40")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.07")

CSI: TC=0.36/1.00 (A-B:1), BC=0.32/1.00 (E-F:3), WB=0.08/1.00 (C-E:1), SSI=0.15/1.00 (E-F: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 = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354	1687
	788	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.31 (A) (INPUT = 0.90)
JSI METAL= 0.10 (A) (INPUT = 1.00)



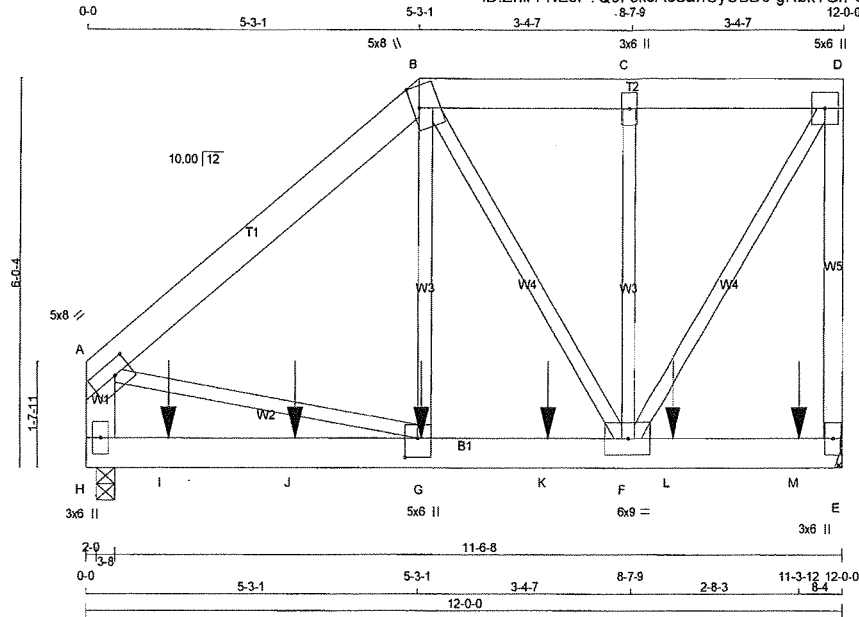
DWG NO. TAM T1704126
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T18	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:34.3

TOTAL WEIGHT = 2 X 76 = 152 lb [M]

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - B	2x6 DRY	No.2	SPF		
B - D	2x6 DRY	No.2	SPF		
E - D	2x4 DRY	No.2	SPF		
H - A	2x6 DRY	No.2	SPF		
H - E	2x6 DRY	No.2	SPF		

ALL WEBS 2x3 DRY No.2 SPF EXCEPT

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-B 2 12		TOP
B-D 2 12		TOP
H-A 2 12		TOP
D-E 1 12		TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
H-E 2 12		SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
G-B 1 6		SIDE(72.2)
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 TRANSFERRING. 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-I	MT20	5.0	8.0	2.50	3.25
B	TTVVW+m	MT20	5.0	8.0	4.00	1.25
C	TMVW+w	MT20	3.0	6.0		
D	TMVW+p	MT20	5.0	6.0		
E	BMV1+p	MT20	3.0	6.0		
F	BMVWW-t	MT20	6.0	9.0		
G	BMVWW-t	MT20	5.0	6.0	3.50	2.50
H	BMV1+p	MT20	3.0	6.0		

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

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
E	3802	0	3802	0
H	3483	0	3483	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT E. MINIMUM BEARING LENGTH AT JOINT E = 2-11.

UNFACTORED REACTIONS

	1ST LCASE	MAX /MIN	COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE
E	2890	1398 / 0	639 / 0
H	2647	1282 / 0	585 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	FR-TO	
A-B	-2811 / 0	-77.7 -77.7	G-B	0 / 2320
B-C	-1677 / 0	-77.7 -77.7	B-F	-1008 / 0
C-D	-1678 / 0	-77.7 -77.7	F-C	-2437 / 0
E-D	-2865 / 0	0.0 0.0	F-D	0 / 2159
H-A	-2459 / 0	0.0 0.0	A-G	0 / 2159
H-I	0 / 0	-39.5 -39.5	I-J	0 / 0
I-J	0 / 0	-39.5 -39.5	J-K	0 / 0
J-K	0 / 0	-39.5 -39.5	K-L	0 / 0
G-K	0 / 2197	-39.5 -39.5	L-M	0 / 0
K-F	0 / 2197	-39.5 -39.5	M-E	0 / 0
F-L	0 / 0	-39.5 -39.5		
L-M	0 / 0	-39.5 -39.5		
M-E	0 / 0	-39.5 -39.5		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	TYPE	HEEL	CONC.
G	5-3-12	-979	-979	---	BACK	VERT	---	---
I	1-3-12	-979	-979	---	BACK	VERT	---	---
J	3-3-12	-979	-979	---	BACK	VERT	---	---
K	7-3-12	-979	-979	---	BACK	VERT	---	---
L	9-3-12	-979	-979	---	BACK	VERT	---	---
M	11-3-12	-985	-985	---	BACK	VERT	---	---

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	= 20.9 PSF
	DL	= 6.0 PSF
BOT CH.	LL	= 10.5 PSF
	DL	= 7.4 PSF
TOTAL LOAD	=	44.8 PSF

SPACING = 24.0 IN./C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.40")
CALCULATED VERT. DEFL. (LL) = L/999 (0.06")
ALLOWABLE DEFL. (TL) = L/360 (0.40")
CALCULATED VERT. DEFL. (TL) = L/999 (0.11")

CSI: TC=0.86/1.00 (D-E:1), BC=0.53/1.00 (F-G:1), WB=0.40/1.00 (D-F:1), SSI=0.39/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

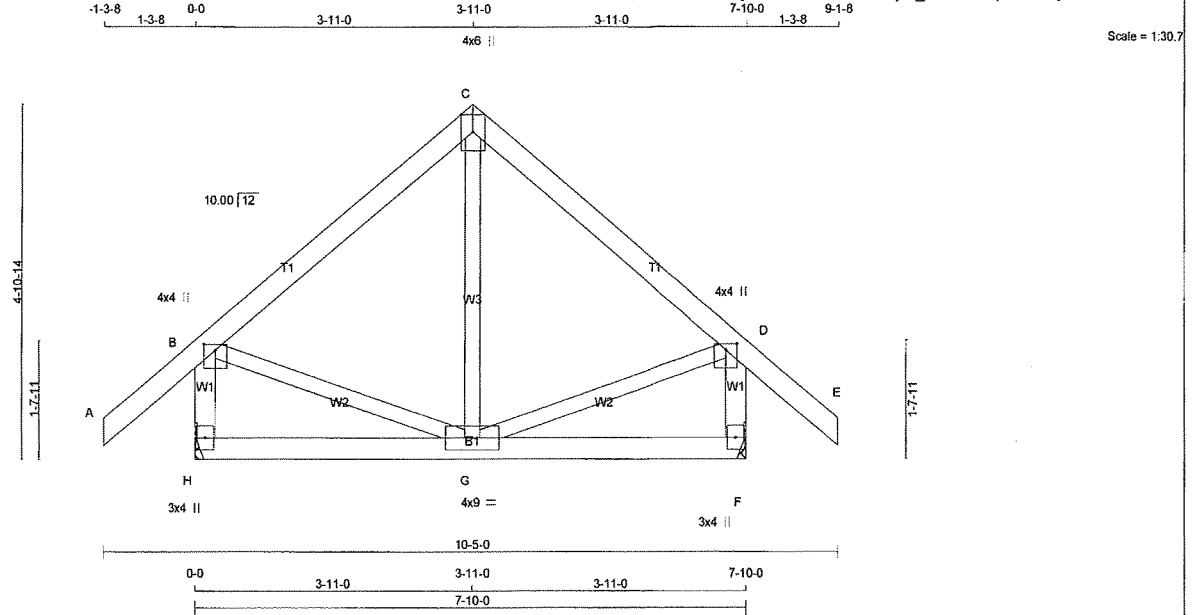
JSI GRIP= 0.79 (F) (INPUT = 0.90)
JSI METAL= 0.40 (G) (INPUT = 1.00)

DWG NO. TAM T7904127
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T19	2	1	TRUSS DESC.		

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TOTAL WEIGHT = 2 X 37 = 74 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTW+p	MT20	4.0	6.0	Edge	
D	TMVW+p	MT20	4.0	4.0	1.00	2.00
F	BMV1+p	MT20	3.0	4.0		
G	BMVWW-I	MT20	4.0	9.0		
H	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	UP
H	567	0	567	0
F	567	0	567	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT H, F. MINIMUM BEARING LENGTH AT JOINT H = 1-8, JOINT F = 1-8.

UNFACTORED REACTIONS

JT	1ST LOASE	MAX /MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
H	425	222 / 0	82 / 0	0 / 0	0 / 0	122 / 0	0 / 0	0 / 0
F	425	222 / 0	82 / 0	0 / 0	0 / 0	122 / 0	0 / 0	0 / 0

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX. MEMB.	MAX. FACTORED	FORCE	MAX
MEMB.	FORCE	VERT. LOAD	LC1	MAX	MAX. MEMB.	MAX. FACTORED	FORCE	MAX	
FR-TO	(LBS)	(PLF)	CS1 (LC)	UNBRAC	LENGTH	FR-TO	(LBS)	CS1 (LC)	
A-B	0 / 34	-77.7	-77.7	0.11 (1)	10.00	G-C	0 / 157	0.04 (3)	
B-C	-276 / 0	-77.7	-77.7	0.15 (1)	6.25	B-G	0 / 224	0.05 (1)	
C-D	-276 / 0	-77.7	-77.7	0.15 (1)	6.25	G-D	0 / 224	0.05 (1)	
D-E	0 / 34	-77.7	-77.7	0.11 (1)	10.00				
H-B	-507 / 0	0.0	0.0	0.05 (1)	7.81				
F-D	-507 / 0	0.0	0.0	0.05 (1)	7.81				
H-G	0 / 0	-39.5	-39.5	0.14 (3)	10.00				
G-F	0 / 0	-39.5	-39.5	0.14 (3)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 20.9 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.4 PSF
TOTAL LOAD = 44.8 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.26")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.26")
CALCULATED VERT. DEFL.(TL) = L/999 (0.01")

CSI: TC=0.15/1.00 (B-C:1), BC=0.14/1.00 (G-H:3), WB=0.05/1.00 (D-G:1), SSI=0.10/1.00 (G-H:3)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MT20	618	354	1667
	788	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.43 (D) (INPUT = 0.90)
JSI METAL= 0.12 (B) (INPUT = 1.00)



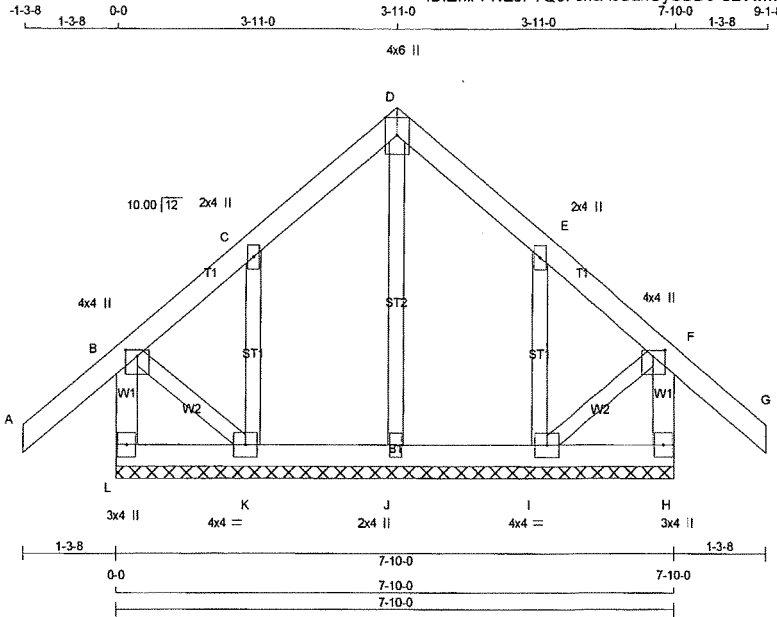
DRWG NO. TAM 1904128
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	G19	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 39 lb

LUMBER **DESIGN CRITERIA**

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

ALL WEBS 2x3 DRY No.2 SPF
ALL GABLE WEBS 2x3 DRY No.2 SPF
DRY: SEASONED LUMBER.

GABLE STUDS SPACED AT 2-0-0 OC.

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)

MEMB.	CHORDS				WEBS			
	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX. UNBRACED	MAX. FACTORED	FACTORED	VERT. LOAD
	FORCE (LBS)	PLF (PLF)	LC1 (LC)	MAX	LENGTH	FORCE (LBS)	PLF (PLF)	LC1 (LC)
FR-TO		FROM	TO					
L-B	-227 / 0	0.0	0.0	0.02 (1)	7.81	J-D	-130 / 0	0.04 (1)
A-B	0 / 34	-77.7	-77.7	0.11 (1)	10.00	K-C	-129 / 0	0.02 (1)
B-C	-35 / 0	-77.7	-77.7	0.10 (1)	6.25	I-E	-129 / 0	0.02 (1)
C-D	-17 / 0	-77.7	-77.7	0.04 (1)	6.25	B-K	0 / 15	0.00 (1)
D-E	-17 / 0	-77.7	-77.7	0.04 (1)	6.25	I-F	0 / 15	0.00 (1)
E-F	-35 / 0	-77.7	-77.7	0.10 (1)	6.25			
F-G	0 / 34	-77.7	-77.7	0.11 (1)	10.00			
H-F	-227 / 0	0.0	0.0	0.02 (1)	7.81			
L-K	0 / 0	-39.5	-39.5	0.03 (3)	10.00			
K-J	0 / 8	-39.5	-39.5	0.03 (3)	10.00			
J-I	0 / 8	-39.5	-39.5	0.03 (3)	10.00			
I-H	0 / 0	-39.5	-39.5	0.03 (3)	10.00			

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	TMW+w	MT20	2.0	4.0		
D	TTW+p	MT20	4.0	6.0	Edge	
E	TMVW+w	MT20	2.0	4.0		
F	TMVW+p	MT20	4.0	4.0	1.00	2.00
H	BMV1+p	MT20	3.0	4.0		
I	BMVW1-t	MT20	4.0	4.0		
J	BMV1+w	MT20	2.0	4.0		
K	BMVW1-t	MT20	4.0	4.0		
L	BMV1+p	MT20	3.0	4.0		

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

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 20.9 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.4 PSF
TOTAL LOAD = 44.8 PSF

SPACING = 24.0 IN./C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.11/1.00 (F-G:1), BC=0.03/1.00 (J-K:3), WB=0.04/1.00 (D-J:1), SSI=0.08/1.00 (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 = 1.00

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

NAIL VALUES	PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	618	354	1667
	788	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.17 (F) (INPUT = 0.90)
JSI METAL= 0.07 (E) (INPUT = 1.00)

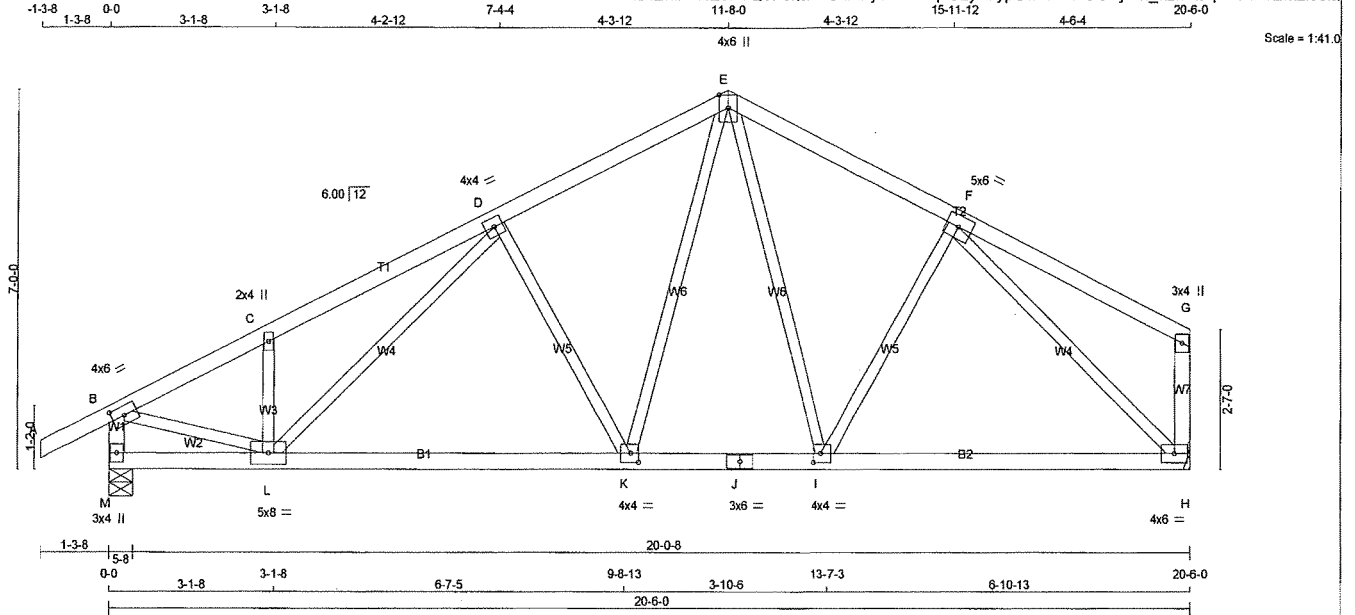


DWG NO. TAM 17904/27
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T20A	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Fri Feb 22 09:00:07 2019 Page 1
ID:ZhiFFNEsP?Q0FokcAeSanOyUBD0-cpiUzysVypOauuZA8G6yMh_k2hrQ6pwY48vZmzieoM



TOTAL WEIGHT = 87 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
M - B	2x4	DRY	No.2	SPF
H - G	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	6.0	2.00	3.00
C	TMVW-w	MT20	2.0	4.0		
D	TMVW-t	MT20	4.0	4.0		
E	TTVVW+p	MT20	4.0	6.0	Edge	
F	TMVW-t	MT20	5.0	6.0		
G	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	4.0	6.0		
I	BMVW-t	MT20	4.0	4.0	2.00	1.75
J	BS-t	MT20	3.0	6.0		
K	BMVW-t	MT20	4.0	4.0	2.00	1.75
L	BMVW-t	MT20	5.0	8.0		
M	BMV1+p	MT20	3.0	4.0		

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

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

BUILDING DESIGNER

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQRD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	UPLIFT
M	1307	0	1307	0
H	1201	0	1201	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT H. MINIMUM BEARING LENGTH AT JOINT H = 1-8.

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	991	485 / 0	215 / 0	0 / 0	0 / 0	291 / 0	0 / 0
H	918	428 / 0	215 / 0	0 / 0	0 / 0	275 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.13 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.	MAX.	FACTORED	FORCE	MAX
FR-TO		FORCE		(PLF)		CS1 (LC)	UNBRAC			FORCE		CS1 (LC)
A-B	0 / 24	-77.7	-77.7	0.10	(1)	10.00	I-F	0 / 153	0.04	(3)		
B-C	-1549 / 0	-77.7	-77.7	0.10	(1)	5.22	F-H	-1339 / 0	0.91	(1)		
C-D	-1532 / 0	-77.7	-77.7	0.20	(1)	5.13	D-K	-412 / 0	0.19	(1)		
D-E	-1204 / 0	-77.7	-77.7	0.19	(1)	5.63	K-E	0 / 566	0.13	(1)		
E-F	-1099 / 0	-77.7	-77.7	0.20	(1)	5.81	E-I	0 / 229	0.05	(2)		
F-G	0 / 18	-77.7	-77.7	0.24	(1)	10.00	L-D	0 / 191	0.04	(2)		
M-B	-1281 / 0	0.0	0.0	0.13	(1)	7.12	L-C	-275 / 0	0.05	(1)		
H-G	-132 / 0	0.0	0.0	0.02	(1)	7.81	B-L	0 / 1447	0.33	(1)		
M-L	0 / 0	-39.5	-39.5	0.23	(3)	10.00						
L-K	0 / 1267	-39.5	-39.5	0.39	(2)	10.00						
K-J	0 / 911	-39.5	-39.5	0.41	(2)	10.00						
J-I	0 / 911	-39.5	-39.5	0.41	(2)	10.00						
I-H	0 / 940	-39.5	-39.5	0.42	(2)	10.00						

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 20.9 PSF
DL	= 6.0 PSF
BOT CH. LL	= 10.5 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 44.8 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.68")
CALCULATED VERT. DEFL. (LL) = L/999 (0.10")
ALLOWABLE DEFL. (TL) = L/360 (0.68")
CALCULATED VERT. DEFL. (TL) = L/999 (0.18")

CSI: TC=0.24/1.00 (F-G:1), BC=0.42/1.00 (H-I:2), WB=0.91/1.00 (F-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 = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

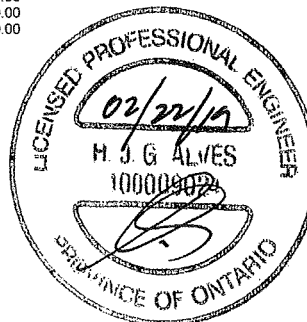
PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MT20	618	354	1667
	788	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.82 (B) (INPUT = 0.90)

JSI METAL= 0.46 (J) (INPUT = 1.00)



DRWG NO. TAM 7904130
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2UNITS 4, 5	DRWG NO.
401499	T21	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
T	6-0-12	-37	-47	—	BACK	VERT	TOTAL	—	—
U	8-0-12	-37	-47	—	BACK	VERT	TOTAL	—	—
V	12-0-12	-37	-47	—	BACK	VERT	TOTAL	—	—
W	14-0-12	-37	-47	—	BACK	VERT	TOTAL	—	—
X	16-0-12	-37	-47	—	BACK	VERT	TOTAL	—	—
Y	18-0-12	-37	-47	—	BACK	VERT	TOTAL	—	—
Z	20-0-12	-38	-48	—	BACK	VERT	TOTAL	—	—



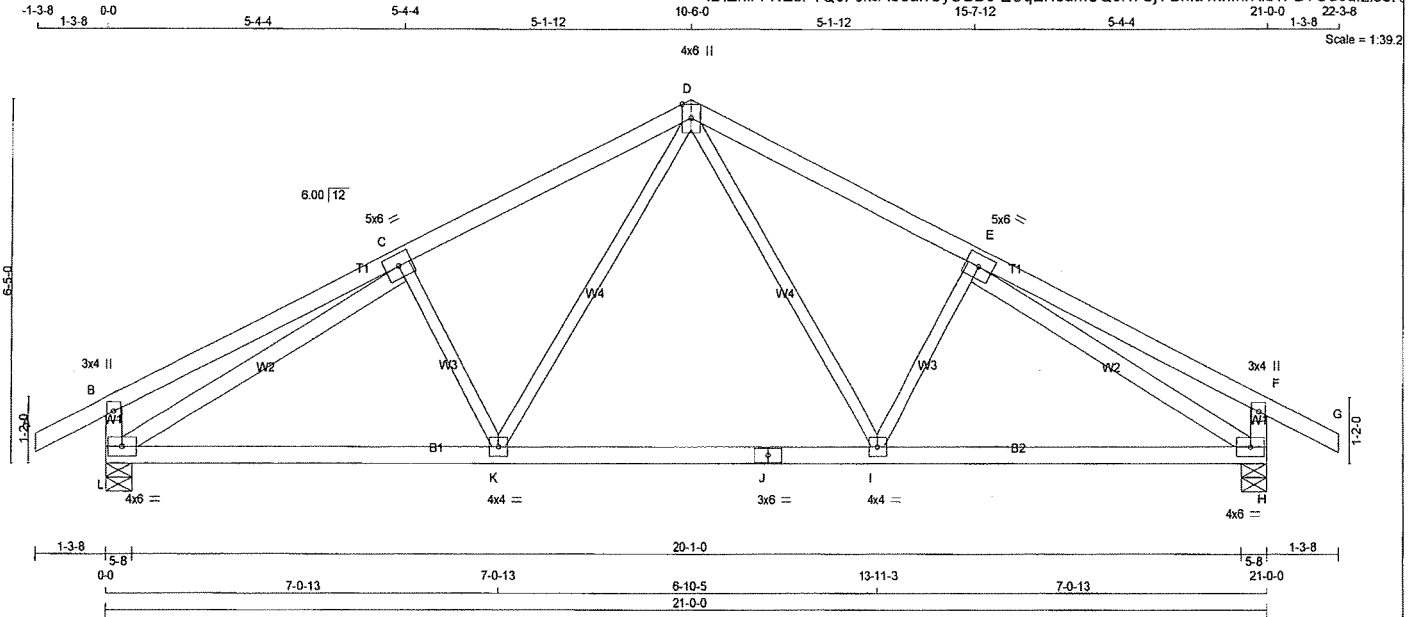
DWG NO. TAM71904131
STRUCTURAL
COMPONENT ONLY *2/2*

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T22	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 86 = 173 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
L - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				
L - C	2x4	DRY	No.2	SPF
E - H	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	TMVW-t	MT20	5.0	6.0		
D	TTVW+p	MT20	4.0	6.0	Edge	
E	TMVW-t	MT20	5.0	6.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVW-t	MT20	4.0	6.0		
I	BMVW-t	MT20	4.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMVW-t	MT20	4.0	4.0		
L	BMVW-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		FACTORED	MAXIMUM FACTORED	INPUT	REQRD
JT	VERT	GROSS REACTION	DOWN	BRG	BRG
L	1336	0	1336	0	5-8
H	1336	0	1336	0	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX / MIN	COMPONENT REACTIONS	WIND	DEAD	SOIL
L	1014	496 / 0	221 / 0	0 / 0	298 / 0	0 / 0
H	1014	496 / 0	221 / 0	0 / 0	298 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.03 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX.	MAX.	MEMB.	MAX. FACTORED	
	FORCE	(LBS)	(PLF)	CSI (LC)	UNBRAC		FORCE	(LBS)	MAX
FR-TO			FROM	TO	LENGTH	FR-TO			CSI (LC)
A-B	0 / 24		-77.7	-77.7	0.10 (1)	10.00	D-I	0 / 586	0.13 (1)
B-C	0 / 21		-77.7	-77.7	0.34 (1)	10.00	I-E	-237 / 28	0.06 (1)
C-D	-1515 / 0		-77.7	-77.7	0.30 (1)	5.03	K-D	0 / 586	0.13 (1)
D-E	-1515 / 0		-77.7	-77.7	0.30 (1)	5.03	C-K	-237 / 28	0.06 (1)
E-F	0 / 21		-77.7	-77.7	0.34 (1)	10.00	L-C	-1737 / 0	0.85 (1)
F-G	0 / 24		-77.7	-77.7	0.10 (1)	10.00	E-H	-1737 / 0	0.85 (1)
L-B	-262 / 0		0.0	0.0	0.03 (1)	7.81			
H-F	-262 / 0		0.0	0.0	0.03 (1)	7.81			
L-K	0 / 1447		-39.5	-39.5	0.53 (2)	10.00			
K-J	0 / 1049		-39.5	-39.5	0.47 (2)	10.00			
J-I	0 / 1049		-39.5	-39.5	0.47 (2)	10.00			
I-H	0 / 1447		-39.5	-39.5	0.53 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:	
TOP CH.	LL = 20.9 PSF
	DL = 6.0 PSF
BOT CH.	LL = 10.5 PSF
	DL = 7.4 PSF
TOTAL LOAD	= 44.8 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.70")
CALCULATED VERT. DEFL.(LL) = L/999 (0.11")
ALLOWABLE DEFL.(TL) = L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/999 (0.18")

CSI: TC=0.34/1.00 (B-C:1), BC=0.53/1.00 (H-I:2), WB=0.85/1.00 (E-H:1), SSI=0.18/1.00 (K-L:3)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX	MIN	MAX	MIN
MT20	618	354	1667
	788	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (L) (INPUT = 0.90)
JSI METAL= 0.43 (E) (INPUT = 1.00)



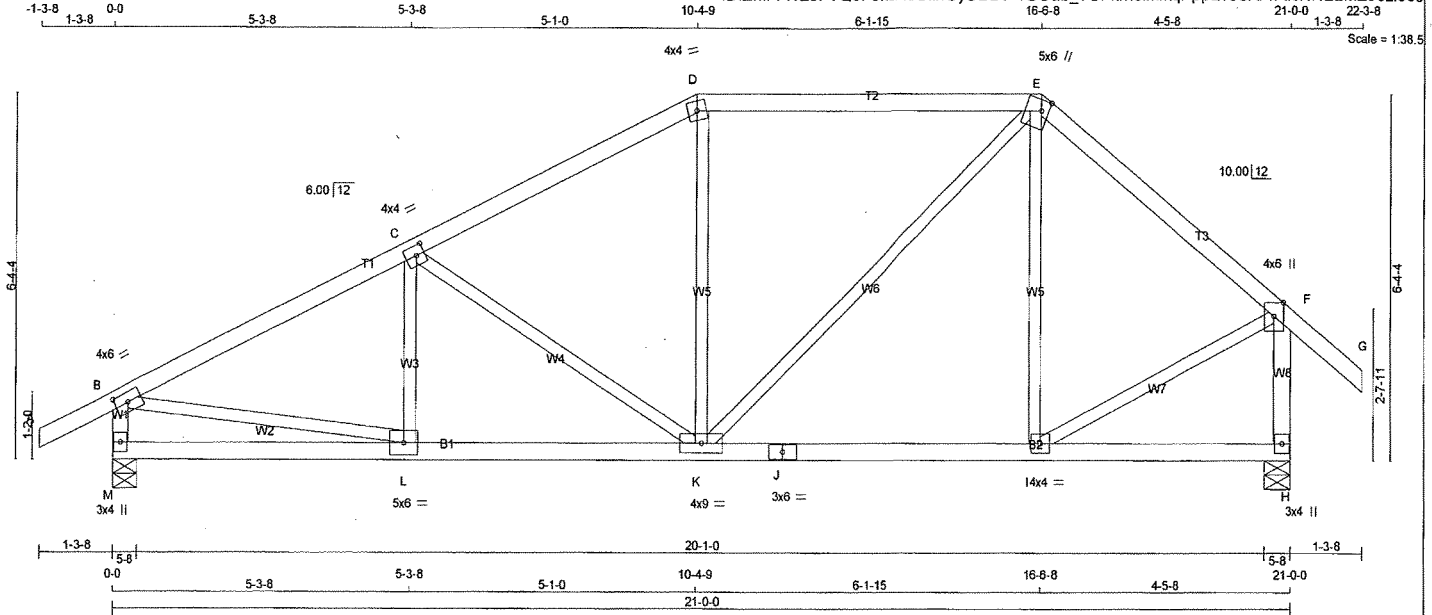
DWG NO. TAM 17904132
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T24	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
B	TMVW-t	MT20	4.0	6.0 2.00 3.00
C	TMWW-t	MT20	4.0	4.0 2.00 1.75
D	TTW-m	MT20	4.0	4.0
E	TTWW+m	MT20	5.0	6.0 2.25 1.50
F	TMVW+p	MT20	4.0	6.0 Edge
H	BMV1+p	MT20	3.0	4.0
I	BMWW-t	MT20	4.0	4.0
J	BS-t	MT20	3.0	6.0
K	BMWW-t	MT20	4.0	9.0
L	BMWW-t	MT20	5.0	6.0
M	BMV1+p	MT20	3.0	4.0

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX	IN-SX
M	1336	0	1336	0	0	5-8	5-8	5-8	5-8
H	1338	0	1338	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS							
JT	1ST LCASE	MAX	MIN	COMPONENT REACTIONS	WIND	DEAD	SOIL
M	1014	496 / 0	221 / 0	0 / 0	0 / 0	298 / 0	0 / 0
H	1015	497 / 0	221 / 0	0 / 0	0 / 0	298 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.88 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING			
TOTAL LOAD CASES: (4)			
CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED UNBRACED LENGTH (LC)
FR-TO		FROM	TO
A-B	0 / 24	-77.7	-77.7 0.10 (1)
B-C	-1640 / 0	-77.7	-77.7 0.30 (1)
C-D	-1226 / 0	-77.7	-77.7 0.28 (1)
D-E	-1079 / 0	-77.7	-77.7 0.40 (1)
E-F	-963 / 0	-77.7	-77.7 0.21 (1)
F-G	0 / 34	-77.7	-77.7 0.11 (1)
M-B	-1249 / 0	0.0	0.0 0.13 (1)
H-F	-1273 / 0	0.0	0.0 0.18 (1)
M-L	0 / 0	-39.5	-39.5 0.19 (3)
L-K	0 / 1486	-39.5	-39.5 0.39 (2)
K-J	0 / 736	-39.5	-39.5 0.30 (2)
J-I	0 / 736	-39.5	-39.5 0.30 (2)
I-H	0 / 0	-39.5	-39.5 0.21 (3)

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 20.9 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.4 PSF
TOTAL LOAD = 44.8 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.70")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.70")
CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSI: TC=0.40/1.00 (D-E:1), BC=0.39/1.00 (K-L:2), WB=0.34/1.00 (C-K:1), SSI=0.19/1.00 (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 = 1.00

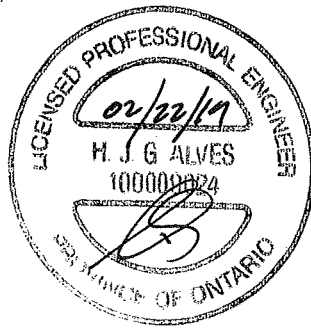
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES					
PLATE	GRIP (DRY)	SHEAR	SECTION	(PSI)	(PLI)
MT20	618	354	1667	788	1987

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (I) (INPUT = 0.90)
JSI METAL= 0.48 (F) (INPUT = 1.00)



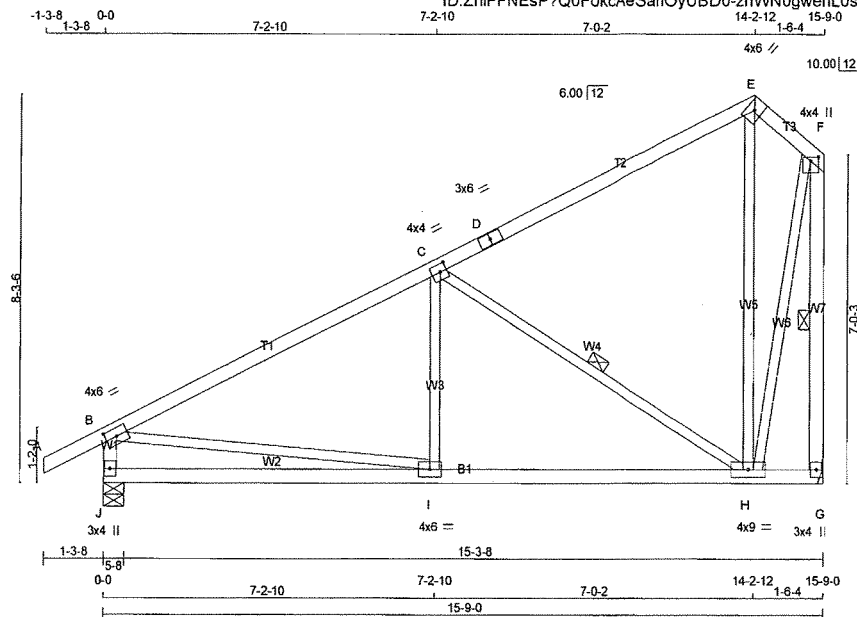
DWG NO. TAM T1904133
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T26A	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:47.4

TOTAL WEIGHT = 2 X 76 = 152 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
J - B	2x4 DRY	No.2	SPF
G - F	2x4 DRY	No.2	SPF
J - G	2x4 DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	6.0	2.00	3.00
C	TMVW-t	MT20	4.0	4.0	2.00	1.75
D	TS-t	MT20	3.0	6.0		
E	TTW+h	MT20	4.0	6.0		
F	TMVW+p	MT20	4.0	4.0	1.00	2.00
G	BMV1+p	MT20	3.0	4.0		
H	BMVWV-t	MT20	4.0	9.0		
I	BMVW-t	MT20	4.0	6.0		
J	BMV1+p	MT20	3.0	4.0		

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

BUILDING DESIGNER

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQRD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
J	1028	0	1028	0
G	923	0	923	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT G. MINIMUM BEARING LENGTH AT JOINT G = 1-8.

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN	COMPONENT REACTIONS
	COMBINED	SNOW	LIVE
J	779	386 / 0	165 / 0
G	706	329 / 0	165 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.38 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF C-H, F-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)

MEMB.	CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
		FORCE (LBS)	VERT. LOAD LC1 (PLF)		FORCE (LBS)
FR-TO			FROM TO	FR-TO	
A-B	0 / 24	-77.7	-77.7	0.10 (1)	10.00
B-C	-1048 / 0	-77.7	-77.7	0.55 (1)	5.38
C-D	-231 / 0	-77.7	-77.7	0.51 (1)	6.25
D-E	-231 / 0	-77.7	-77.7	0.51 (1)	6.25
E-F	-234 / 0	-77.7	-77.7	0.02 (1)	6.25
J-B	-915 / 0	0.0	0.0	0.09 (1)	7.81
G-F	-948 / 0	0.0	0.0	0.22 (1)	6.25
J-I	0 / 0	-39.5	-39.5	0.40 (3)	10.00
I-H	0 / 983	-39.5	-39.5	0.51 (2)	10.00
H-G	0 / 0	-39.5	-39.5	0.18 (3)	10.00

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	20.9	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.4	PSF
TOTAL LOAD		=	44.8	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.53")
CALCULATED VERT. DEFL.(LL)= L/999 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (0.53")
CALCULATED VERT. DEFL.(TL)= L/999 (0.17")

CSI: TC=0.55/1.00 (B-C:1), BC=0.51/1.00 (H-I:2), WB=0.43/1.00 (C-H:1), SSI=0.24/1.00 (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 = 1.00

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

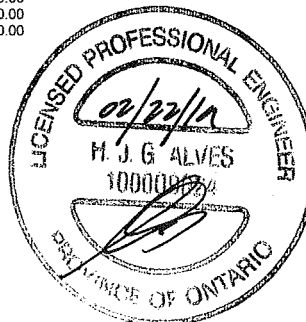
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.74 (D) (INPUT = 0.90)
JSI METAL= 0.30 (B) (INPUT = 1.00)

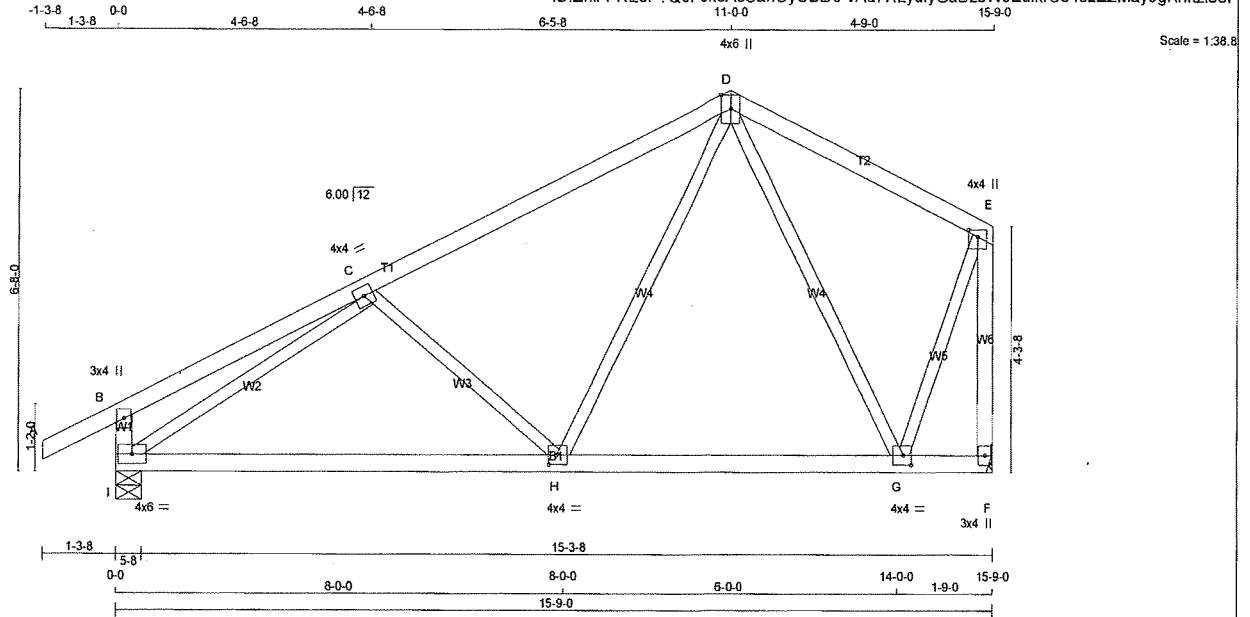


DWG NO. TAM T1904135
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T28A	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:ZhiffNEsP?Q0FokcAeSanOyUBD0-vAd7RLyulyGaDzbW3EulkrU84s2ZZMay9gKnitzieoF



TOTAL WEIGHT = 3 X 67 = 202 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
I - B	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
I - F	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
DRY: SEASONED LUMBER.				

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	4.0		
D	TTVVW+p	MT20	4.0	6.0	Edge	
E	TMVVW+p	MT20	4.0	4.0	1.50	2.00
F	BMV1+p	MT20	3.0	4.0		
G	BMWW-t	MT20	4.0	4.0	2.00	1.75
H	BMWW-t	MT20	4.0	4.0	2.00	1.75
I	BMVV1-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

BUILDING DESIGNER									
<u>BEARINGS</u>									
		FACTORED		MAXIMUM FACTORED		INPUT		REQRD	
JT	GROSS REACTION		GROSS REACTION		BRG		BRG		
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX		
F	923	0	923	0	0	MECHANICAL			
I	1028	0	1028	0	0	5-8	5-8		

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT F. MINIMUM BEARING LENGTH AT JOINT F = 1-8.

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	706	329 / 0	165 / 0	0 / 0	0 / 0	211 / 0	0 / 0
I	779	386 / 0	165 / 0	0 / 0	0 / 0	227 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.06 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		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. MEMB. FORCE (LBS)
FR-TO		FROM TO	LENGTH FR-TO
A-B	0 / 24	-77.7 -77.7	0.10 (1) 10.00
B-C	0 / 31	-77.7 -77.7	0.43 (1) 10.00
C-D	-855 / 0	-77.7 -77.7	0.40 (1) 8.06
D-E	-286 / 0	-77.7 -77.7	0.22 (1) 6.25
I-B	-209 / 0	0.0 0.0	0.02 (1) 7.81
F-E	-921 / 0	0.0 0.0	0.28 (1) 7.81
I-H	0 / 1000	-39.5 -39.5	0.55 (2) 10.00
H-G	0 / 475	-39.5 -39.5	0.48 (3) 10.00
G-F	0 / 0	-39.5 -39.5	0.10 (3) 10.00

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 20.9 PSF
	DL = 6.0 PSF
BOT CH.	LL = 10.5 PSF
	DL = 7.4 PSF
TOTAL LOAD	= 44.8 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.53")
CALCULATED VERT. DEFL.(LL) = L/999 (0.15")
ALLOWABLE DEFL.(TL) = L/360 (0.53")
CALCULATED VERT. DEFL.(TL) = L/746 (0.25")

CSI: TC=0.43/1.00 (B-C:1), BC=0.55/1.00 (H-I:2), WB=0.59/1.00 (C-I: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 = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MT20	618	354	1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (H) (INPUT = 0.90)
JSI METAL= 0.40 (C) (INPUT = 1.00)



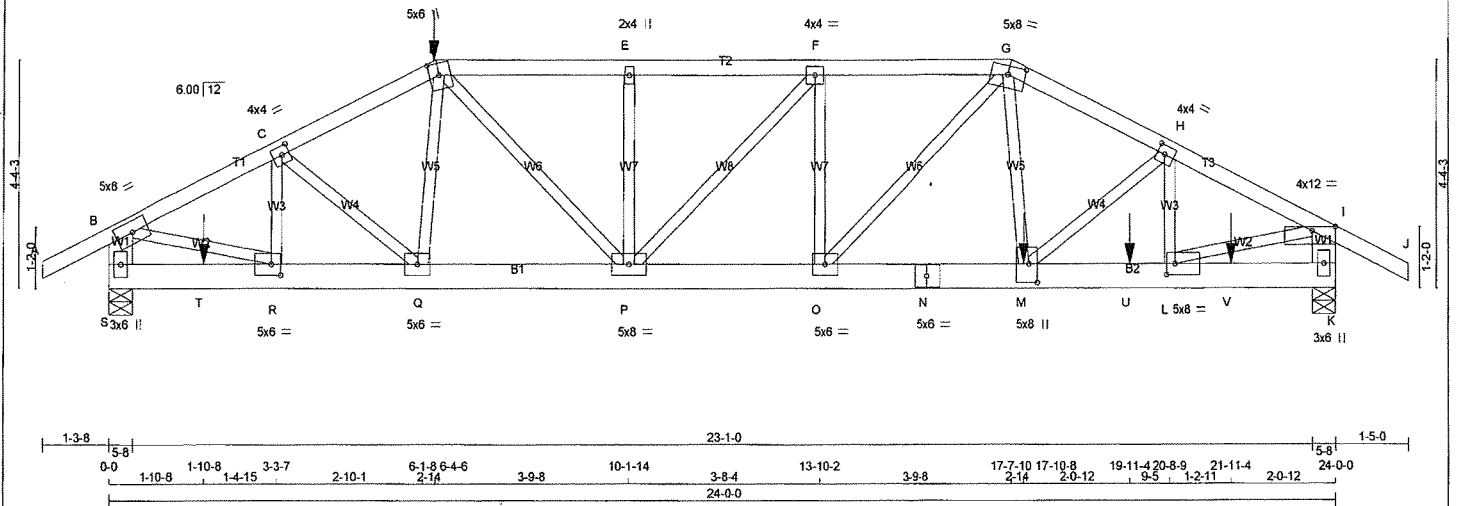
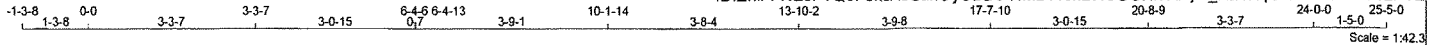
DWG NO. TAM 71904137
STRUCTURAL
CONNECTION ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T29	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 115 = 231 lb

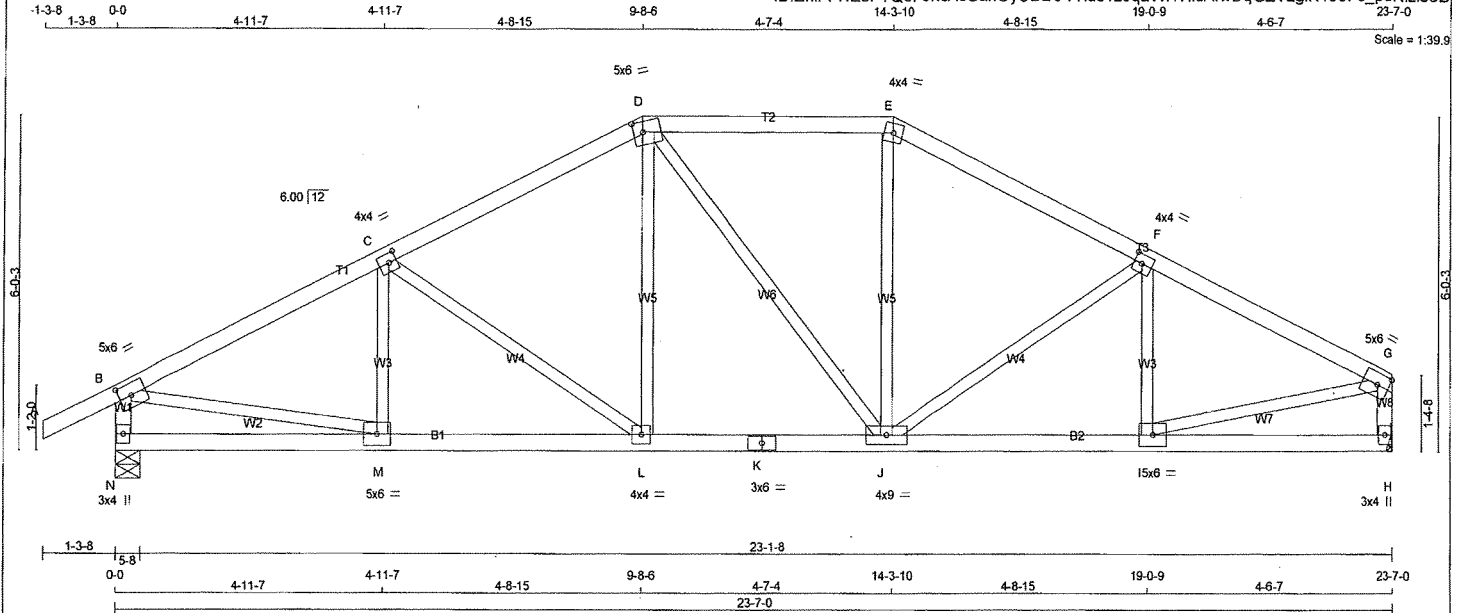
LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER				DESIGN CRITERIA			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.	BEARINGS				*** SPECIAL LOADS ANALYSIS ***			
CHORDS				FACTORED				GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.			
A - D	2x4	DRY	No.2	GROSS REACTION				LOADS WERE DERIVED FROM USER INPUT			
D - G	2x4	DRY	No.2	MAXIMUM FACTORED				NO FURTHER MODIFICATIONS WERE MADE			
G - J	2x4	DRY	No.2	INPUT				SPECIFIED LOADS:			
S - B	2x6	DRY	No.2	REACT				TOP CH. LL = 20.9 PSF			
K - I	2x6	DRY	No.2	DOWN				DL = 6.0 PSF			
S - N	2x6	DRY	No.2	UP				BOT CH. LL = 10.5 PSF			
N - K	2x6	DRY	No.2	LIFT				DL = 7.4 PSF			
ALL WEBS	2x3	DRY	No.2	IN-SX				TOTAL LOAD = 44.8 PSF			
EXCEPT				IN-SX				SPACING = 24.0 IN. C/C			
DRY: SEASONED LUMBER.				UNFACTORED REACTIONS				LOADING IN FLAT SECTION BASED ON A			
				1ST LCASE				SLOPE OF 2.00/12 MINIMUM			
				MAX./MIN. COMPONENT REACTIONS				*** NON STANDARD GIRDER ***			
				COMBINED				ADDT'L USER-DEFINED LOADS APPLIED TO			
				SNOW				ALL LOAD CASES.			
				LIVE				THIS TRUSS IS DESIGNED FOR RESIDENTIAL			
				PERM.LIVE				OR SMALL BUILDING REQUIREMENTS OF			
				WIND				PART 9, NBCC 2010, NBCC 2015			
				DEAD				THIS DESIGN COMPLIES WITH:			
				SOIL				- PART 9 OF BCBC 2018, CBC 2012			
								- CSA 086-09, CSA 086-14			
								- TPIC 2011, TPIC 2014			
								(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F.			
								RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED			
								ROOF LIVE LOAD			
								ALLOWABLE DEFL.(LL)= L/360 (0.80")			
								CALCULATED VERT. DEFL.(LL) = L/999 (0.10")			
								ALLOWABLE DEFL.(TL)= L/360 (0.80")			
								CALCULATED VERT. DEFL.(TL) = L/999 (0.18")			
								CSI: TC=0.30/1.00 (H-I:1), BC=0.60/1.00 (L-M:1),			
								WB=0.80/1.00 (L-L:1), SSI=0.28/1.00 (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 = 1.00			
								AUTOSOLVE HEELS OFF			
								TRUSS PLATE MANUFACTURER IS NOT			
								RESPONSIBLE FOR QUALITY CONTROL IN			
								THE TRUSS MANUFACTURING PLANT.			
								NAIL VALUES			
								PLATE GRIP(DRY) SHEAR SECTION			
								(PSI) (PLI) (PLI)			
								MAX MIN MAX MIN MAX MIN			
								MT20 618 354 1667 788 1987 1656			
								PLATE PLACEMENT TOL. = 0.250 inches			
								PLATE ROTATION TOL. = 5.0 Deg.			
								JSI GRIP= 0.89 (M) (INPUT = 0.90)			
								JSI METAL= 0.67 (L) (INPUT = 1.00)			

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T30A	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 96 lb [M/F]

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	6.0	2.50	2.75
C	TMVW-t	MT20	4.0	4.0	2.00	1.75
D	TTVW-m	MT20	5.0	6.0	2.25	2.00
E	TTW-m	MT20	4.0	4.0		
F	TMVW-t	MT20	4.0	4.0	2.00	1.75
G	TMVW-t	MT20	5.0	6.0		Edge
H	BMV1+p	MT20	3.0	4.0		
I	BMVW-t	MT20	5.0	6.0		
J	BMVW-t	MT20	4.0	9.0		
K	BS-t	MT20	3.0	6.0		
L	BMVW-t	MT20	4.0	4.0		
M	BMVW-t	MT20	5.0	6.0		
N	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT	REQRD
		GROSS REACTION		GROSS REACTION		BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
N	1487	0	1487	0	0	5-8	5-8
H	1382	0	1382	0	0	MECHANICAL	

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT H. MINIMUM BEARING LENGTH AT JOINT H = 1-8.

UNFACTORED REACTIONS

JT	1ST CASE	MAX	MIN	COMPONENT REACTIONS
N	1130	550 / 0	248 / 0	0 / 0
H	1057	493 / 0	248 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.64 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)	MAX	LC1 (LBS)
FR-TO		FROM	TO	FR-TO			
A-B	0 / 24	-77.7	-77.7	0.10 (1)	10.00	M-C	-82 / 113
B-C	-1890 / 0	-77.7	-77.7	0.27 (1)	4.64	C-L	-390 / 0
C-D	-1570 / 0	-77.7	-77.7	0.25 (1)	5.02	L-D	0 / 421
D-E	-1375 / 0	-77.7	-77.7	0.23 (1)	5.30	D-J	-29 / 0
E-F	-1549 / 0	-77.7	-77.7	0.23 (1)	5.07	J-E	0 / 391
F-G	-1766 / 0	-77.7	-77.7	0.24 (1)	4.80	J-F	-276 / 0
N-B	-1406 / 0	0.0	0.0	0.14 (1)	6.87	I-F	-174 / 54
H-G	-1308 / 0	0.0	0.0	0.13 (1)	7.06	B-M	0 / 1733
						I-G	0 / 1640
N-M	0 / 0	-39.5	-39.5	0.17 (3)	10.00		
M-L	0 / 1708	-39.5	-39.5	0.40 (2)	10.00		
L-K	0 / 1393	-39.5	-39.5	0.32 (2)	10.00		
K-J	0 / 1393	-39.5	-39.5	0.32 (2)	10.00		
J-I	0 / 1596	-39.5	-39.5	0.36 (2)	10.00		
I-H	0 / 0	-39.5	-39.5	0.15 (3)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	= 20.9 PSF
	DL	= 6.0 PSF
BOT CH.	LL	= 10.5 PSF
	DL	= 7.4 PSF
TOTAL LOAD		= 44.8 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.79")
CALCULATED VERT. DEFL.(LL) = L/999 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.79")
CALCULATED VERT. DEFL.(TL) = L/999 (0.11")

CSI: TC=0.27/1.00 (B-C:1), BC=0.40/1.00 (L-M:2), WB=0.39/1.00 (B-M:1), SS=0.16/1.00 (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 = 1.00

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

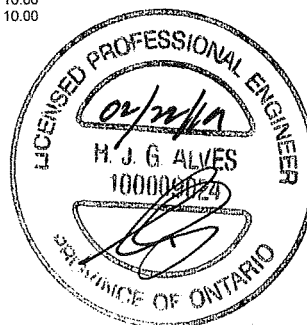
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.79 (I) (INPUT = 0.90)
JSI METAL= 0.51 (B) (INPUT = 1.00)

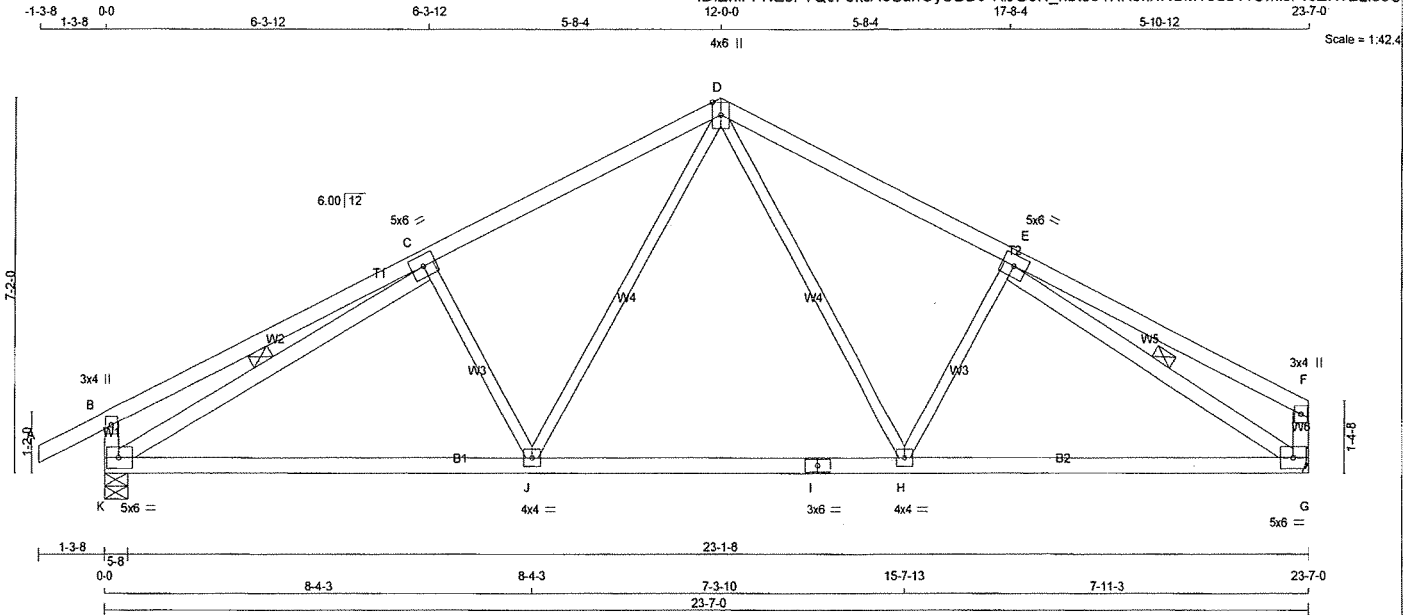


DRWG NO. TAM 71904139
STRUCTURAL
COMPOUND

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T31A	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:ZhiFFNEsP?Q0FokcAeSanOyUBD0-KJUG3N_nbte94RK5kNRSMT8du41UmlcPreZrVbZieoC



TOTAL WEIGHT = 95 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
K - B	2x4	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
I - G	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
K - C	2x4	DRY	No.2	SPF
E - G	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	TMVW-t	MT20	5.0	6.0		
D	TTVW+p	MT20	4.0	6.0	Edge	
E	TMVW-t	MT20	5.0	6.0		
F	TMV+p	MT20	3.0	4.0		
G	BMVW1-t	MT20	5.0	6.0		
H	BMVW-t	MT20	4.0	4.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-t	MT20	4.0	4.0		
K	BMVW1-t	MT20	5.0	6.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
K	1487	0	0	5-8
G	1382	0	0	MECHANICAL

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT G. MINIMUM BEARING LENGTH AT JOINT G = 1-8.

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	1130	550 / 0	248 / 0	0 / 0	0 / 0	0 / 0	332 / 0	0 / 0
G	1057	493 / 0	248 / 0	0 / 0	0 / 0	0 / 0	316 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.66 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.

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED HORIZ. LOAD (LC2)	MAX. FACTORED MOMENT (LC3)	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED MOMENT (LC4)
FR-TO							FR-TO			
A-B	0 / 24	-77.7	-77.7	0.10 (1)	10.00	0.11 (1)	C-J	-310 / 11	0.11 (1)	0.11 (1)
B-C	0 / 24	-77.7	-77.7	0.45 (1)	10.00	0.16 (1)	J-D	0 / 696	0.16 (1)	0.16 (1)
C-D	-1714 / 0	-77.7	-77.7	0.40 (1)	4.66	0.14 (1)	D-H	0 / 604	0.14 (1)	0.14 (1)
D-E	-1663 / 0	-77.7	-77.7	0.38 (1)	4.76	0.08 (1)	H-E	-237 / 43	0.08 (1)	0.08 (1)
E-F	0 / 24	-77.7	-77.7	0.42 (1)	10.00	0.50 (1)	K-C	-1867 / 0	0.50 (1)	0.50 (1)
K-B	-293 / 0	0.0	0.0	0.03 (1)	7.81	0.45 (1)	E-G	-1914 / 0	0.45 (1)	0.45 (1)
G-F	-171 / 0	0.0	0.0	0.02 (1)	7.81					
K-J	0 / 1658	-39.5	-39.5	0.66 (2)	10.00					
J-I	0 / 1183	-39.5	-39.5	0.60 (2)	10.00					
I-H	0 / 1183	-39.5	-39.5	0.60 (2)	10.00					
H-G	0 / 1580	-39.5	-39.5	0.61 (2)	10.00					

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	20.9	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.4	PSF
TOTAL LOAD		=	44.8	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.79")
CALCULATED VERT. DEFL.(LL) = L/999 (0.20")
ALLOWABLE DEFL.(TL) = L/360 (0.79")
CALCULATED VERT. DEFL.(TL) = L/818 (0.35")

CSI: TC=0.45/1.00 (B-C:1), BC=0.66/1.00 (J-K:2), WB=0.50/1.00 (C-K:1), SSI=0.21/1.00 (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 = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

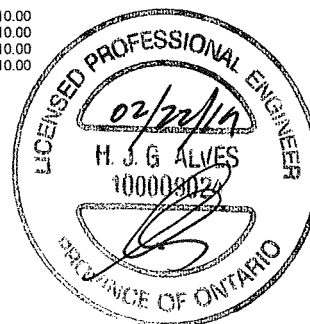
PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354	1667
	788	1987	1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.82 (E) (INPUT = 0.90)

JSI METAL= 0.49 (C) (INPUT = 1.00)



DWG NO. TAM 17904140
STRUCTURAL
COMPONENT ONLY

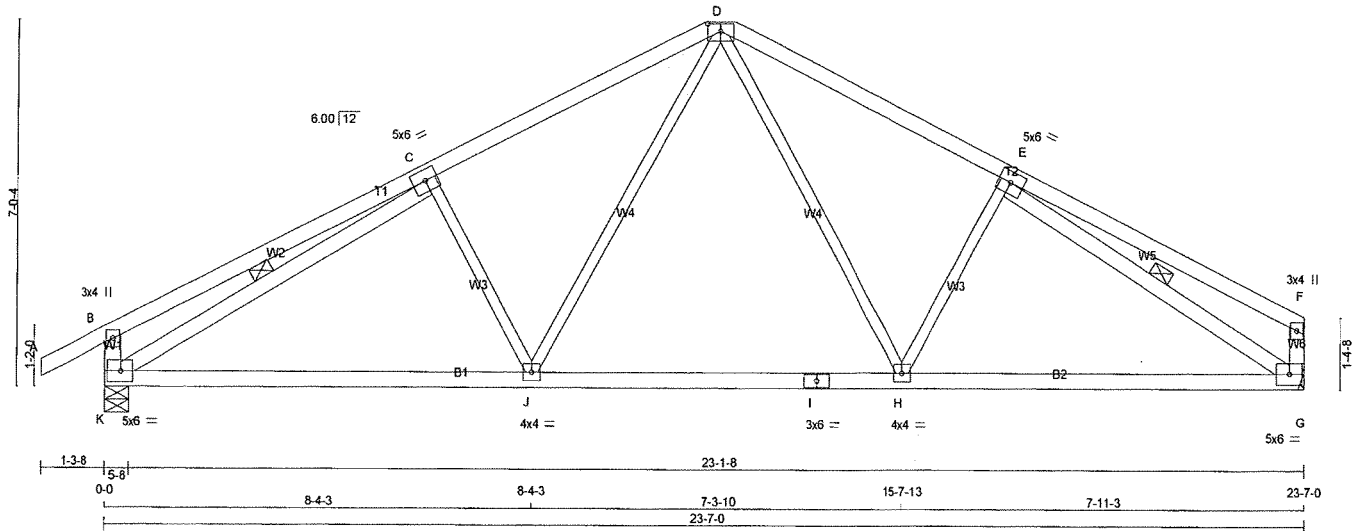
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T31AC	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID: ZhiFFNEsP?Q0FokcAeSanOyUBD0-oxteGj?PMBm0ibvH4zhvheoeTNjVCrY4II_RezieoB

1-3-8 0-0 6-3-12 6-3-12 5-8-4 12-0-0 5-8-4 17-8-4 5-10-12 23-7-0
4x6 =
Scale = 1:42.6



TOTAL WEIGHT = 95 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
K - B	2x4 DRY	No.2	SPF
G - F	2x4 DRY	No.2	SPF
K - I	2x4 DRY	No.2	SPF
I - G	2x4 DRY	No.2	SPF
ALL WEBS EXCEPT	2x3 DRY	No.2	SPF
K - C	2x4 DRY	No.2	SPF
E - G	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	TMVV-t	MT20	5.0	6.0		
D	TTVV-p	MT20	4.0	6.0	1.75	3.00
E	TMVV-t	MT20	5.0	6.0		
F	TMV+p	MT20	3.0	4.0		
G	BMVV1-t	MT20	5.0	6.0		
H	BMVV1-t	MT20	4.0	4.0		
I	BS-t	MT20	3.0	6.0		
J	BMVV1-t	MT20	4.0	4.0		
K	BMVV1-t	MT20	5.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
K	1487	0	1487	0
G	1382	0	1382	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT G. MINIMUM BEARING LENGTH AT JOINT G = 1-8.

UNFACTORED REACTIONS

JT	1ST LCASE	MAX / MIN	COMPONENT REACTIONS
K	1130	550 / 0	248 / 0
G	1057	493 / 0	248 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.66 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.

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
FR-TO						FR-TO			
A-B	0 / 24	-77.7	-77.7	0.10 (1)	10.00	C-J	-310 / 11	0.11 (1)	
B-C	0 / 24	-77.7	-77.7	0.45 (1)	10.00	J-D	0 / 696	0.16 (1)	
C-D	-1714 / 0	-77.7	-77.7	0.40 (1)	4.66	D-H	0 / 604	0.14 (1)	
D-E	-1663 / 0	-77.7	-77.7	0.38 (1)	4.76	H-E	-237 / 43	0.08 (1)	
E-F	0 / 24	-77.7	-77.7	0.42 (1)	10.00	K-C	-1967 / 0	0.50 (1)	
K-B	-293 / 0	0.0	0.0	0.03 (1)	7.81	E-G	-1914 / 0	0.45 (1)	
G-F	-171 / 0	0.0	0.0	0.02 (1)	7.81				
K-J	0 / 1658	-39.5	-39.5	0.66 (2)	10.00				
J-I	0 / 1183	-39.5	-39.5	0.60 (2)	10.00				
I-H	0 / 1183	-39.5	-39.5	0.60 (2)	10.00				
H-G	0 / 1580	-39.5	-39.5	0.61 (2)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 20.9 PSF
	DL = 6.0 PSF
BOT CH.	LL = 10.5 PSF
	DL = 7.4 PSF
TOTAL LOAD	= 44.8 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/360$ (0.79")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.20")
ALLOWABLE DEFL. (TL) = $L/360$ (0.79")
CALCULATED VERT. DEFL. (TL) = $L/818$ (0.35")

CSI: TC=0.45/1.00 (B-C:1), BC=0.66/1.00 (J-K:2), WB=0.50/1.00 (C-K:1), SS=0.21/1.00 (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 = 1.00

AUTOSOLVE HEELS OFF

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

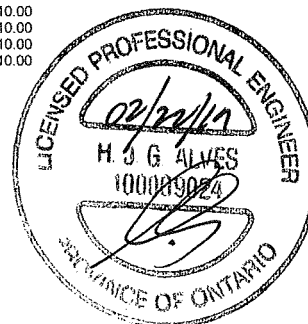
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MT20	618	354	1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.82 (E) (INPUT = 0.90)
JSI METAL= 0.49 (C) (INPUT = 1.00)



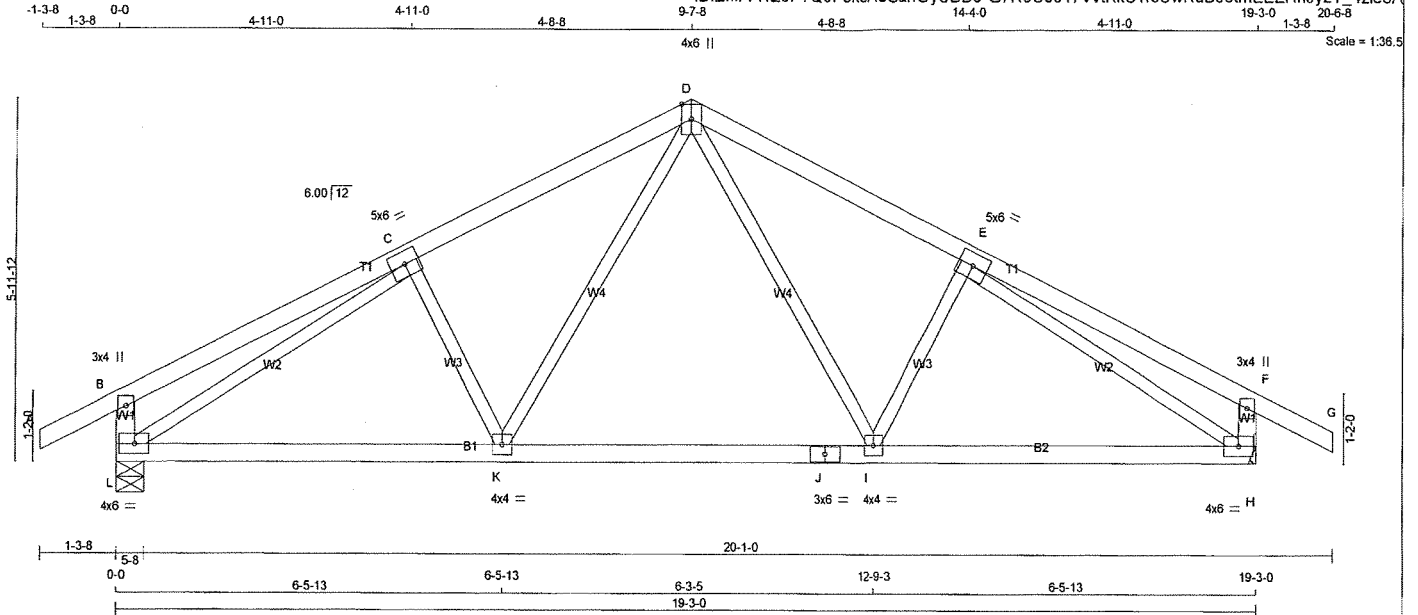
DWG NO. TAM 17904141
STRUCTURAL
COMPONENT ONLY

JSI GRIP= 0.90 (J) (INPUT = 0.90)
JSI METAL= 0.56 (J) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T33	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:ZhiFFNEsP?Q0FokcAeSanOyUBD0-G7R0U3017VtKkUTroUwRuB06tmEEZHhJy2Y_4zieoA



TOTAL WEIGHT = 2 X 76 = 152 lb

LUMBER

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

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVW-1	MT20	5.0	6.0		
D	TTVW+p	MT20	4.0	6.0	Edge	
E	TMVW-1	MT20	5.0	6.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVW-1	MT20	4.0	6.0		
I	BMVW-1	MT20	4.0	4.0		
J	BS-1	MT20	3.0	6.0		
K	BMVW-1	MT20	4.0	4.0		
L	BMVW-1	MT20	4.0	6.0		

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

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
L	1233	0	1233	0
H	1233	0	1233	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT H. MINIMUM BEARING LENGTH AT JOINT H = 1-8.

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
L	935	459 / 0	202 / 0	0 / 0	0 / 0	274 / 0
H	935	459 / 0	202 / 0	0 / 0	0 / 0	274 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.31 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. FACTORED CSI (LC)	MAX. UNBRAC	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO		FROM TO		LENGTH	FR-TO		
A-B	0 / 24	-77.7	-77.7	0.10 (1)	10.00	D-I	0 / 522
B-C	0 / 19	-77.7	-77.7	0.28 (1)	10.00	I-E	-204 / 33
C-D	-1363 / 0	-77.7	-77.7	0.24 (1)	5.31	K-D	0 / 522
D-E	-1363 / 0	-77.7	-77.7	0.24 (1)	5.31	C-K	-204 / 33
E-F	0 / 19	-77.7	-77.7	0.28 (1)	10.00	L-C	-1565 / 0
F-G	0 / 24	-77.7	-77.7	0.10 (1)	10.00	E-H	-1565 / 0
L-B	-250 / 0	0.0	0.0	0.03 (1)	7.81		
H-F	-250 / 0	0.0	0.0	0.03 (1)	7.81		
L-K	0 / 1295	-39.5	-39.5	0.45 (2)	10.00		
K-J	0 / 950	-39.5	-39.5	0.40 (2)	10.00		
J-I	0 / 950	-39.5	-39.5	0.40 (2)	10.00		
I-H	0 / 1295	-39.5	-39.5	0.45 (2)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	=	20.9 PSF
DL	=	6.0 PSF
BOT CH. LL	=	10.5 PSF
DL	=	7.4 PSF
TOTAL LOAD	=	44.8 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/360$ (0.64")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.08")
ALLOWABLE DEFL. (TL) = $L/360$ (0.64")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.14")

CSI: TC=0.28/1.00 (B-C:1), BC=0.45/1.00 (K-L:2), WB=0.88/1.00 (C-L:1), SSI=0.16/1.00 (K-L:3)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

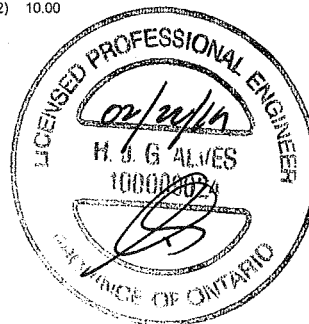
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PLI)	SECTION (PLI)
MT20	618	354	1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.82 (L) (INPUT = 0.90)
JSI METAL= 0.45 (J) (INPUT = 1.00)



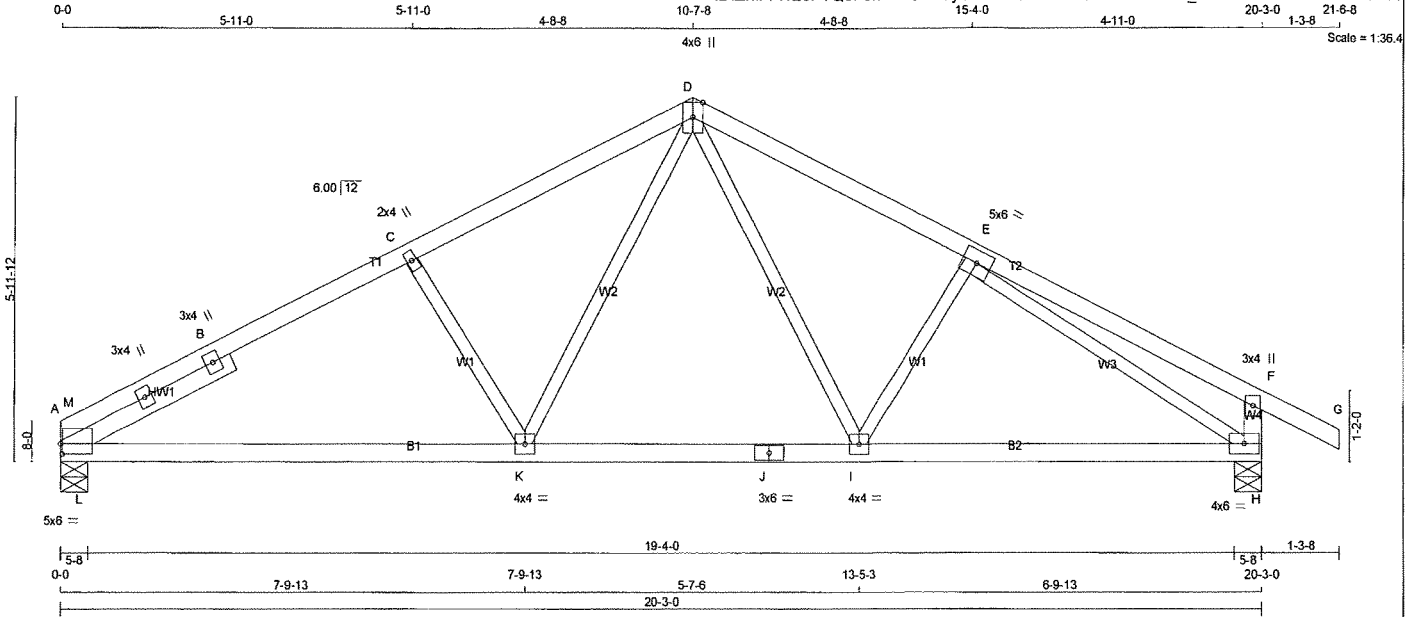
DWG NO. TAM 77904143
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T34X	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:ZhiFFNEsP?Q0FokcAeSanOyUBD0-kJ?PhP0fuo1kxu3fPV79_6kBlH6Az?krXcn5WWVzieo9



TOTAL WEIGHT = 2 X 75 = 151 lb

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

REINFORCING MEMBERS	SIZE	LUMBER	DESCR.
HW1	2x4	DRY	No.2
ALL WEBS EXCEPT	2x3	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMBMR1-I	MT20	5.0	6.0	2.00	0.25
A	RT-t	MT20	3.0	4.0		
A	RT-t	MT20	3.0	4.0		
C	TMV+w	MT20	2.0	4.0		
D	TTVV+p	MT20	4.0	6.0	Edge	
E	TMVW-t	MT20	5.0	6.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVW1-I	MT20	4.0	6.0		
I	BMVW-t	MT20	4.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMVW-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

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
A	1187	0	1187	0
H	1292	0	1292	0

UNFACTORED REACTIONS

JT	1ST CASE	MAX / MIN	COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
A	907	423 / 0	213 / 0	0 / 0	0 / 0	271 / 0	0 / 0
H	980	480 / 0	213 / 0	0 / 0	0 / 0	288 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.90 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. VERT. LOAD (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. VERT. LOAD (LC)	MAX. VERT. LOAD (LC)
FR-TO				FR-TO			
A-M	-1865 / 0	-77.7	-77.7	0.06 (1)	4.90	C-K	-379 / 0
M-B	-1472 / 0	-77.7	-77.7	0.23 (1)	5.18	K-D	0 / 649
B-C	-1472 / 0	-77.7	-77.7	0.23 (1)	5.18	D-I	0 / 483
C-D	-1519 / 0	-77.7	-77.7	0.23 (1)	5.11	I-E	-192 / 38
D-E	-1438 / 0	-77.7	-77.7	0.24 (1)	5.20	E-H	-1655 / 0
E-F	0 / 19	-77.7	-77.7	0.28 (1)	10.00	L-M	0 / 839
F-G	0 / 24	-77.7	-77.7	0.10 (1)	10.00	L-B	-513 / 0
H-F	-251 / 0	0.0	0.0	0.03 (1)	7.81		
A-L	0 / 1127	-39.5	-39.5	0.43 (2)	10.00		
L-K	0 / 1537	-39.5	-39.5	0.47 (2)	10.00		
K-J	0 / 1055	-39.5	-39.5	0.42 (2)	10.00		
J-I	0 / 1055	-39.5	-39.5	0.42 (2)	10.00		
I-H	0 / 1370	-39.5	-39.5	0.47 (2)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 20.9 PSF
DL	= 6.0 PSF
BOT CH. LL	= 10.5 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 44.8 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.68")
CALCULATED VERT. DEFL. (LL) = L/999 (0.10")
ALLOWABLE DEFL. (TL) = L/360 (0.68")
CALCULATED VERT. DEFL. (TL) = L/999 (0.17")

CSI: TC=0.28/1.00 (E-F-1), BC=0.47/1.00 (H-I-2), WB=0.93/1.00 (E-H-1), SSI=0.40/1.00 (A-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 = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (H) (INPUT = 0.90)
JSI METAL= 0.54 (A) (INPUT = 1.00)



DWG NO. TAM T1904144
STRUCTURAL
COMPONENT ONLY

Tamarack Roof Truss, Burlington

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ID:ZhiFFNEsP?Q0FokAeSanOyUBD0-gi69642vQQRHBC2Xwte3XpOD5m8R_087vGCbPzieo7

-1-3-8 1-3-8 0-0 3-5-8 3-5-8 3-3-0 6-8-9 6-9-15 13-6-7 3-3-0 16-9-8 3-5-8 20-3-0 21-8-8 1-3-8

Scale = 1/8" = 1'-0"



PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMV+p	MT20	3.0	4.0	
C	TMWW-t	MT20	5.0	6.0	
D	TTW-m	MT20	4.0	4.0	2.00 1.75
E	TTWW-m	MT20	5.0	6.0	2.25 2.00
F	TMWW-t	MT20	4.0	6.0	
G	TMV+p	MT20	3.0	4.0	
I	BMVW1-t	MT20	5.0	6.0	
J	BMWW-t	MT20	4.0	4.0	
K	BS-t	MT20	3.0	6.0	
L	BMWW-t	MT20	4.0	9.0	
M	BMVW1-t	MT20	5.0	6.0	

FACTORED			MAXIMUM FACTORED			INPUT	REQRD
GROSS REACTION			GROSS REACTION			BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
M	1543	0	1543	0	0	5-8	5-8
I	1416	0	1416	0	0	5-8	5-8

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

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.78 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY
APPLIED

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX FACTORED CSI (LC)	
FR-TO		FROM TO			FR-TO			
A-B	0 / 24	-77.7	-77.7	0.11 (1)	10.00	C-L	0 / 129	0.03 (3)
B-C	0 / 10	-77.7	-77.7	0.12 (1)	10.00	L-D	0 / 267	0.07 (3)
C-D	-1909 / 0	-77.7	-77.7	0.17 (1)	4.68	L-E	0 / 233	0.06 (1)
D-E	-1689 / 0	-77.7	-77.7	0.86 (1)	3.78	J-E	0 / 311	0.08 (3)
E-F	-1685 / 0	-77.7	-77.7	0.17 (1)	4.93	J-F	0 / 120	0.03 (3)
F-G	0 / 11	-77.7	-77.7	0.12 (1)	10.00	M-C	-2024 / 0	0.62 (1)
G-H	0 / 24	-77.7	-77.7	0.11 (1)	10.00	F-I	-1816 / 0	0.56 (1)
M-B	-213 / 0	0.0	0.0	0.02 (1)	7.81			
I-G	-212 / 0	0.0	0.0	0.02 (1)	7.81			
M-L	0 / 1616	-39.5	-39.5	0.57 (2)	10.00			
L-K	0 / 1502	-39.5	-39.5	0.56 (2)	10.00			
K-J	0 / 1502	-39.5	-39.5	0.56 (2)	10.00			
J-I	0 / 1450	-39.5	-39.5	0.55 (2)	10.00			

FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN
D	6-8-9	-75	-84	---	FRONT	VERT	DEAD	---	---
D	6-8-9	-300	-300	---	FRONT	VERT	SNOW	---	---



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

TOP CH.	LL =	20.9	PSF
	DL =	6.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.4	PSF
TOTAL LOAD	=	44.8	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A
SLOPE OF 2.00/12 MINIMUM

*** 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, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018 , OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.68")
CALCULATED VERT. DEFL.(LL) = L/999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.68")
CALCULATED VERT. DEFL.(TL) = L/999 (0.16")

CSI: TC=0.86/1.00 (D-E:1), BC=0.57/1.00 (L-M:2),
WB=0.62/1.00 (C-M:1), SS=0.23/1.00 (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 = 1.00

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

NAIL VALUES					
PLATE	GRIP(DRY)		SHEAR		SECTION
	(PSI)		(PLI)		(PLI)
	MAX	MIN	MAX	MIN	MAX MIN
MT20	618	354	1667	788	1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (D) (INPUT = 0.90)
JSI METAL= 0.51 (C) (INPUT = 1.00)

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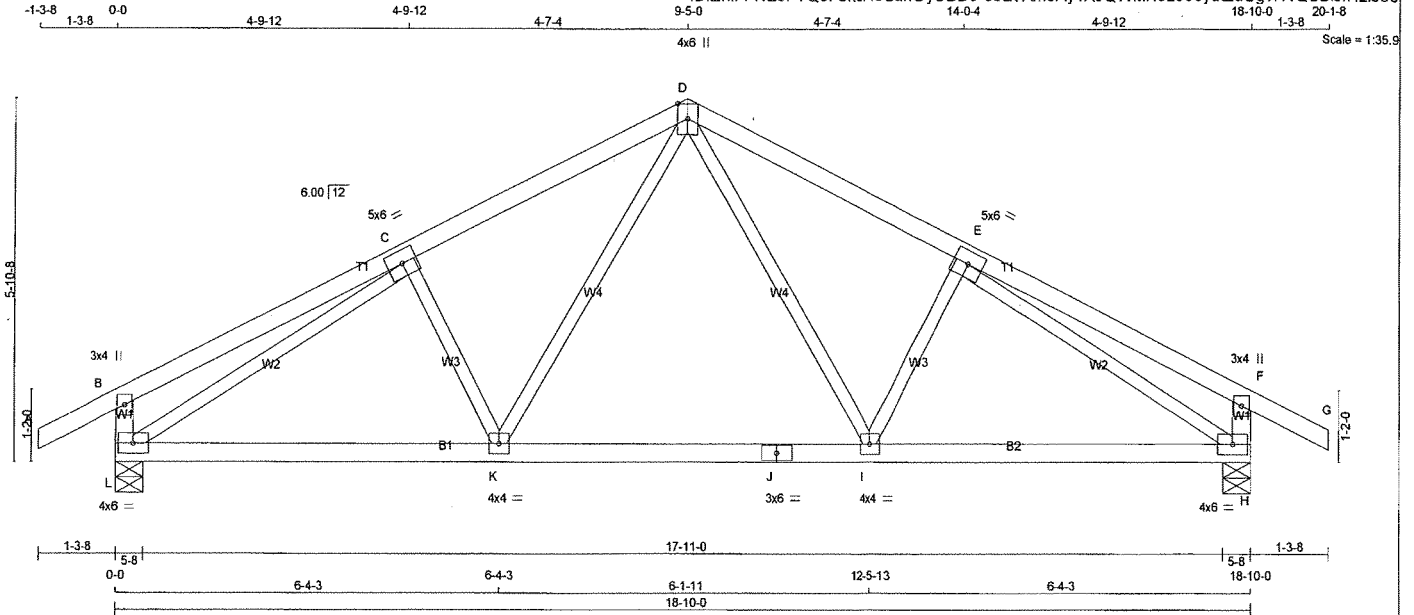
DWG NO. TAM 77904147
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T38	4	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 4 X 75 = 299 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
L - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
J - H	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	5.0	6.0		
D	TTWW+p	MT20	4.0	6.0	Edge	
E	TMWW-t	MT20	5.0	6.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVV1-t	MT20	4.0	6.0		
I	BMWW-t	MT20	4.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	4.0		
L	BMVV1-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		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQRD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX		
L	1209	0	1209	0	0	5-8	5-8		
H	1209	0	1209	0	0	5-8	5-8		

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	917	450 / 0	198 / 0	0 / 0	0 / 0	269 / 0	0 / 0
H	917	450 / 0	198 / 0	0 / 0	0 / 0	269 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.38 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 (LC)	MAX. UNBRAC LENGTH	MEMB.	FORCE (LBS)	LC1 (LC)
FR-TO		FROM	TO		FR-TO		
A-B	0 / 24	-77.7	-77.7	0.10 (1)	10.00	D-I	0 / 506
B-C	0 / 18	-77.7	-77.7	0.27 (1)	10.00	I-E	-196 / 34
C-D	-1327 / 0	-77.7	-77.7	0.23 (1)	5.38	K-D	0 / 506
D-E	-1327 / 0	-77.7	-77.7	0.23 (1)	5.38	C-K	-196 / 34
E-F	0 / 18	-77.7	-77.7	0.27 (1)	10.00	L-C	-1524 / 0
F-G	0 / 24	-77.7	-77.7	0.10 (1)	10.00	E-H	-1524 / 0
L-B	-247 / 0	0.0	0.0	0.02 (1)	7.81		
H-F	-247 / 0	0.0	0.0	0.02 (1)	7.81		
L-K	0 / 1259	-39.5	-39.5	0.43 (2)	10.00		
K-J	0 / 926	-39.5	-39.5	0.39 (2)	10.00		
J-I	0 / 926	-39.5	-39.5	0.39 (2)	10.00		
I-H	0 / 1259	-39.5	-39.5	0.43 (2)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	20.9	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.4	PSF
TOTAL LOAD	=	44.8	PSF	

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL (LL) = L/360 (0.63")
CALCULATED VERT. DEFL (LL) = L/999 (0.07")
ALLOWABLE DEFL (TL) = L/360 (0.63")
CALCULATED VERT. DEFL (TL) = L/999 (0.13")

CSI: TC=0.27/1.00 (B-C-1), BC=0.43/1.00 (H-I-2), WB=0.81/1.00 (C-L-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 = 1.00

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

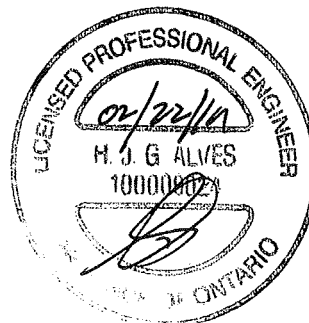
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.80 (H) (INPUT = 0.90)
JSI METAL= 0.38 (E) (INPUT = 1.00)



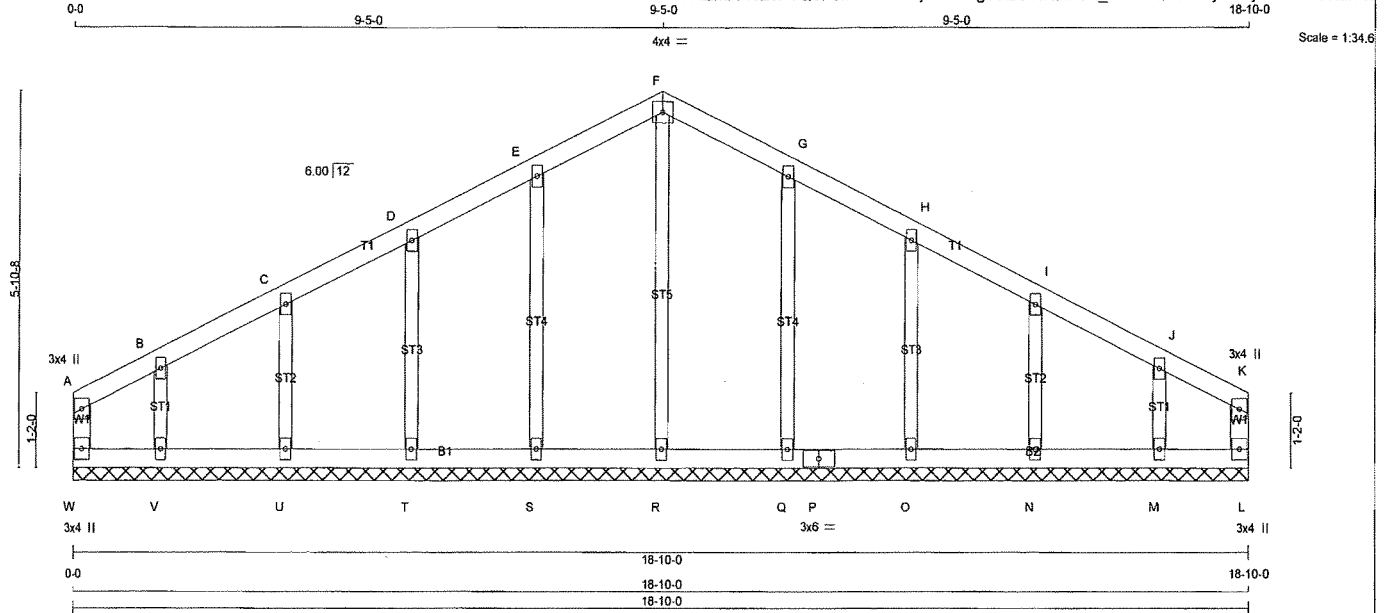
DRWG NO. TAM T790414B
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	G38	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 70 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
W - A	2x4	DRY	No.2	SPF
A - F	2x4	DRY	No.2	SPF
F - K	2x4	DRY	No.2	SPF
L - K	2x4	DRY	No.2	SPF
W - 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
A	TMV+p	MT20	3.0	4.0		
B, C, D, E, G, H, I, J						
B	TMW+w	MT20	2.0	4.0		
F	TTW+p	MT20	4.0	4.0		
K	TMV+p	MT20	3.0	4.0		
L	BMV1+p	MT20	3.0	4.0		
M, N, O, Q, R, S, T, U, V						
M	BMW1+w	MT20	2.0	4.0		
P	BS-t	MT20	3.0	6.0		
W	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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)
FR-TO		FROM TO		FR-TO			
W-A	-57 / 0	0.0 0.0	0.01 (1)	7.81	R-F	-153 / 0	0.08 (1)
A-B	-22 / 0	-77.7 -77.7	0.03 (1)	6.25	S-E	-157 / 0	0.06 (1)
B-C	-17 / 0	-77.7 -77.7	0.04 (1)	6.25	T-D	-152 / 0	0.04 (1)
C-D	-15 / 0	-77.7 -77.7	0.04 (1)	6.25	U-C	-158 / 0	0.03 (1)
D-E	-11 / 0	-77.7 -77.7	0.04 (1)	6.25	V-B	-130 / 0	0.02 (1)
E-F	-9 / 0	-77.7 -77.7	0.04 (1)	10.00	Q-G	-157 / 0	0.06 (1)
F-G	-9 / 0	-77.7 -77.7	0.04 (1)	10.00	O-H	-152 / 0	0.04 (1)
G-H	-11 / 0	-77.7 -77.7	0.04 (1)	6.25	N-I	-158 / 0	0.03 (1)
H-I	-15 / 0	-77.7 -77.7	0.04 (1)	6.25	M-J	-130 / 0	0.02 (1)
I-J	-17 / 0	-77.7 -77.7	0.04 (1)	6.25			
J-K	-22 / 0	-77.7 -77.7	0.03 (1)	6.25			
L-K	-57 / 0	0.0 0.0	0.01 (1)	7.81			
W-V	0 / 22	-39.5 -39.5	0.02 (3)	10.00			
V-U	0 / 17	-39.5 -39.5	0.03 (2)	10.00			
U-T	0 / 13	-39.5 -39.5	0.03 (3)	10.00			
T-S	0 / 10	-39.5 -39.5	0.02 (3)	10.00			
S-R	0 / 8	-39.5 -39.5	0.02 (3)	10.00			
R-Q	0 / 8	-39.5 -39.5	0.02 (3)	10.00			
Q-P	0 / 10	-39.5 -39.5	0.02 (3)	10.00			
P-O	0 / 10	-39.5 -39.5	0.02 (3)	10.00			
O-N	0 / 13	-39.5 -39.5	0.03 (3)	10.00			
N-M	0 / 17	-39.5 -39.5	0.03 (2)	10.00			
M-L	0 / 22	-39.5 -39.5	0.02 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 20.9 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.4 PSF
TOTAL LOAD = 44.8 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.04/1.00 (I-J:1), BC=0.03/1.00 (M-N:2), WB=0.08/1.00 (F-R:1), SSI=0.06/1.00 (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 = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PLI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.40 (D) (INPUT = 0.90)
JSI METAL= 0.07 (I) (INPUT = 1.00)

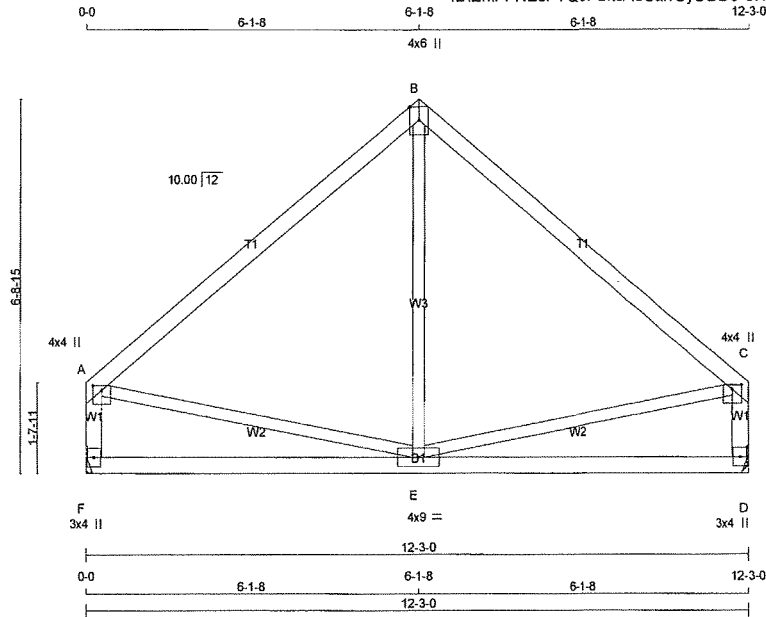


DRWG NO. TAM 17904199
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T39	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Fri Feb 22 09:00:25 2019 Page 1
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Scale = 1:40.0

TOTAL WEIGHT = 2 X 50 = 100 lb [M][F]

LUMBER

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

ALL WEBS 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	1.00	2.00
B	TTW+p	MT20	4.0	6.0	Edge	
C	TMVW+p	MT20	4.0	4.0	1.00	2.00
D	BMV1+p	MT20	3.0	4.0		
E	BMVWV-t	MT20	4.0	9.0		
F	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
F	718	0	718	0
D	718	0	718	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT F, D. MINIMUM BEARING LENGTH AT JOINT F = 1-8, JOINT D = 1-8.

UNFACTORED REACTIONS

JT	1ST LCASE	MAX /MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	549	256 / 0	129 / 0	0 / 0	0 / 0	164 / 0	0 / 0	0 / 0
D	549	256 / 0	129 / 0	0 / 0	0 / 0	164 / 0	0 / 0	0 / 0

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED MEMB. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)
FR-TO								
A-B	-483 / 0	-77.7	-77.7	0.38 (1)	6.25	E-B	0 / 285	0.07 (3)
B-C	-483 / 0	-77.7	-77.7	0.38 (1)	6.25	A-E	0 / 379	0.09 (1)
F-A	-626 / 0	0.0	0.0	0.07 (1)	7.81	E-C	0 / 379	0.09 (1)
D-C	-626 / 0	0.0	0.0	0.07 (1)	7.81			
F-E	0 / 0	-39.5	-39.5	0.33 (3)	10.00			
E-D	0 / 0	-39.5	-39.5	0.33 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	20.9	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.4	PSF
TOTAL LOAD		=	44.8	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.41")
CALCULATED VERT. DEFL.(LL) = L/999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.41")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CSI: TC=0.38/1.00 (B-C:1), BC=0.33/1.00 (E-F:3), WB=0.09/1.00 (A-E:1), SSI=0.16/1.00 (D-E: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 = 1.00

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

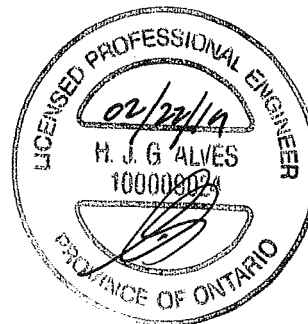
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)	MAX MIN	MAX MIN	MAX MIN
MT20	618	354	1667	788	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.60 (C) (INPUT = 0.90)
JSI METAL= 0.17 (C) (INPUT = 1.00)

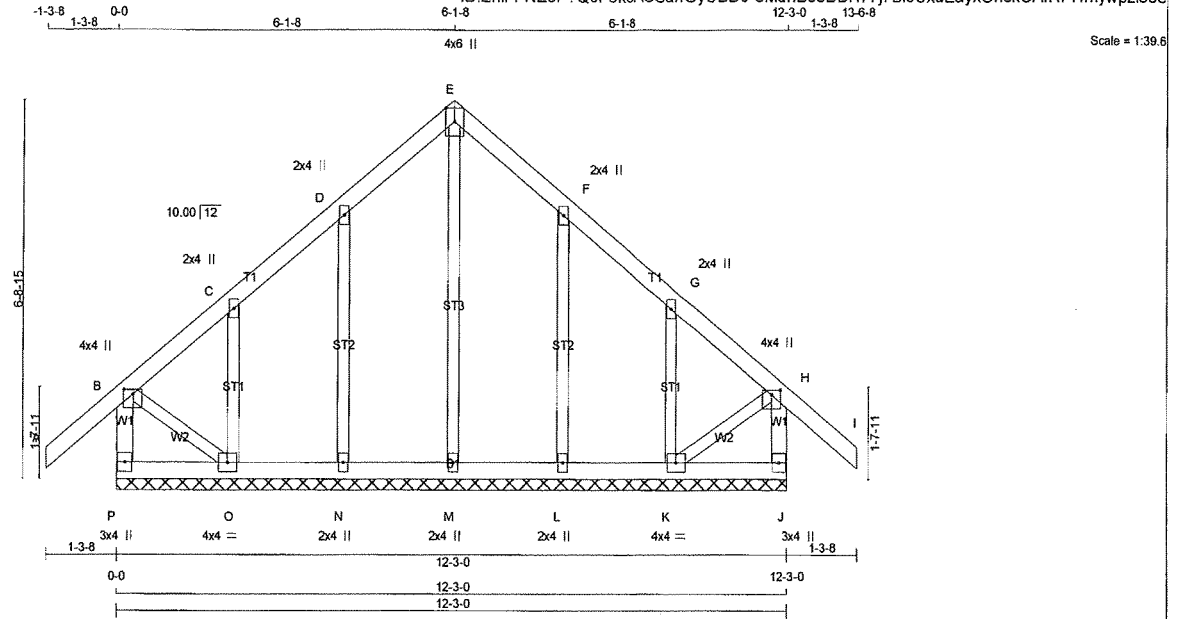


DWG NO. TAM 77904/50
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	G39	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Fri Feb 22 08:59:49 2019 Page 1
ID:ZhiFFNEsP?Q0FokAeSanOyUBD0-8MdhBoeDBH77j7Bi5UxuEayxOnkCAIHPHmywpzieoe



TOTAL WEIGHT = 60 lb

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	TMVW+w	MT20	2.0	4.0		
E	TTVW+p	MT20	4.0	6.0	Edge	
H	TMVW+p	MT20	4.0	4.0	1.00	2.00
J	BMV1+p	MT20	3.0	4.0		
K	BMVW1-t	MT20	4.0	4.0		
L, M, N						
L	BMV1+w	MT20	2.0	4.0		
O	BMVW1-t	MT20	4.0	4.0		
P	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

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)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. UNBRACED LENGTH	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO			FROM	TO		FR-TO			
P-B	-204 / 0	0.0	0.0	0.02 (1)	7.81	M-E	-108 / 0	0.08 (1)	
A-B	0 / 34	-77.7	-77.7	0.11 (1)	10.00	N-D	-172 / 0	0.07 (1)	
B-C	-20 / 0	-77.7	-77.7	0.04 (1)	6.25	O-C	-168 / 0	0.03 (1)	
C-D	-23 / 0	-77.7	-77.7	0.04 (1)	6.25	L-F	-172 / 0	0.07 (1)	
D-E	-28 / 0	-77.7	-77.7	0.04 (1)	6.25	K-G	-168 / 0	0.03 (1)	
E-F	-28 / 0	-77.7	-77.7	0.04 (1)	6.25	B-O	0 / 27	0.01 (1)	
F-G	-23 / 0	-77.7	-77.7	0.04 (1)	6.25	K-H	0 / 27	0.01 (1)	
G-H	-20 / 0	-77.7	-77.7	0.04 (1)	6.25				
H-I	0 / 34	-77.7	-77.7	0.11 (1)	10.00				
J-H	-204 / 0	0.0	0.0	0.02 (1)	7.81				
P-O	0 / 0	-39.5	-39.5	0.03 (3)	10.00				
O-N	0 / 18	-39.5	-39.5	0.03 (3)	10.00				
N-M	0 / 14	-39.5	-39.5	0.03 (3)	10.00				
M-L	0 / 14	-39.5	-39.5	0.03 (3)	10.00				
L-K	0 / 18	-39.5	-39.5	0.03 (3)	10.00				
K-J	0 / 0	-39.5	-39.5	0.03 (3)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 20.9 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.4 PSF
TOTAL LOAD = 44.8 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.11/1.00 (A-B:1), BC=0.03/1.00 (N-C:3), WB=0.08/1.00 (E-M:1), SSI=0.06/1.00 (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 = 1.00

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.15 (B) (INPUT = 0.90)

JSI METAL= 0.09 (D) (INPUT = 1.00)

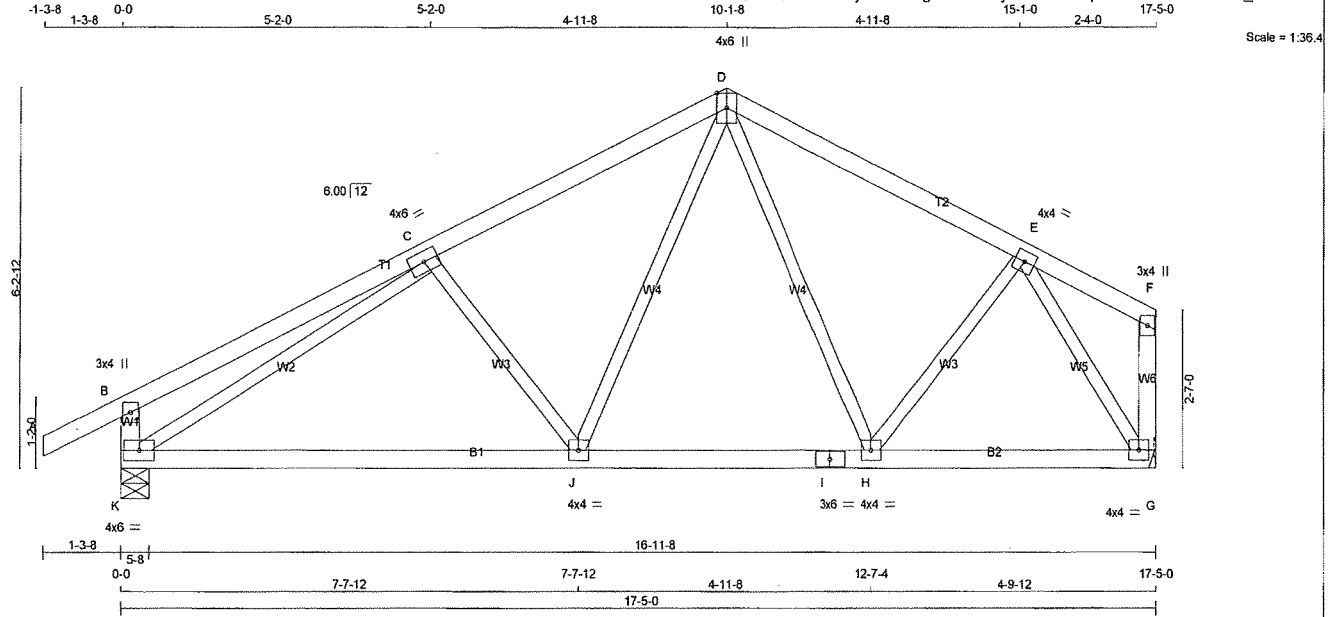


DWG NO. TAM 7904157
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	CONDO BLOCK 2 UNITS 4, 5	DRWG NO.
401499	T350A	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Fri Feb 22 09:00:27 2019 Page 1
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TOTAL WEIGHT = 71 lb
(M)F

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVW-t	MT20	4.0	6.0		
D	TTWW+p	MT20	4.0	6.0	Edge	
E	TMVW-t	MT20	4.0	4.0		
F	TMV+p	MT20	3.0	4.0		
G	BMVW-t	MT20	4.0	4.0		
H	BMVW-t	MT20	4.0	4.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-t	MT20	4.0	4.0		
K	BMVW-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

BUILDING DESIGNER									
<u>BEARINGS</u>									
FACTORED				MAXIMUM FACTORED			INPUT	REQRD	
GROSS REACTION				GROSS REACTION			BRG	BRG	
JT	VERT	HORZ		DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
K	1126	0		1126	0	0	5-8	5-8	
G	1021	0		1021	0	0	MECHANICAL		

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT G. MINIMUM BEARING LENGTH AT JOINT G = 1-8.

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	COMBINED	421 / 0	183 / 0	0 / 0	0 / 0	250 / 0	0 / 0
G		364 / 0	183 / 0	0 / 0	0 / 0	233 / 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 = 5.77 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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 24	-77.7 -77.7	0.10 (1)	C-J	-270 / 4	0.08 (1)	
B-C	0 / 20	-77.7 -77.7	0.32 (1)	J-D	0 / 562	0.13 (2)	
C-D	-1081 / 0	-77.7 -77.7	0.26 (1)	K-C	-1338 / 0	0.85 (1)	
D-E	-841 / 0	-77.7 -77.7	0.23 (1)	H-E	0 / 237	0.05 (2)	
E-F	0 / 35	-77.7 -77.7	0.24 (1)	D-H	0 / 60	0.01 (3)	
K-B	-257 / 0	0.0 0.0	0.03 (1)	E-G	-1113 / 0	0.30 (1)	
G-F	-9 / 0	0.0 0.0	0.00 (1)				
K-J	0 / 1112	-39.5 -39.5	0.50 (2)				
J-I	0 / 732	-39.5 -39.5	0.45 (2)				
I-H	0 / 732	-39.5 -39.5	0.45 (2)				
H-G	0 / 613	-39.5 -39.5	0.23 (2)				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 20.9 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.4 PSF
TOTAL LOAD = 44.8 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(60 % OF 20.9 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.58")
CALCULATED VERT. DEFL.(LL) = L/999 (0.14")
ALLOWABLE DEFL.(TL)= L/360 (0.58")
CALCULATED VERT. DEFL.(TL) = L/877 (0.24")

CSI: TC=0.32/1.00 (B-C:1), BC=0.50/1.00 (J-K:2), WB=0.85/1.00 (C-K:1), SSI=0.19/1.00 (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 = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
	MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1667 788	1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (E) (INPUT = 0.90)
JSI METAL= 0.38 (E) (INPUT = 1.00)



DWG NO. TAM 17404153
STRUCTURAL
COMPONENT ONLY

JSI GRIP= 0.70 (G) (INPUT = 0.90)
JSI METAL= 0.27 (G) (INPUT = 1.00)



isDesign™

Client:
Project:
Address:

Date: 2/22/2019

Page 1 of 3

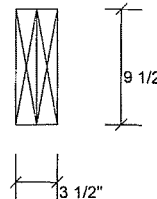
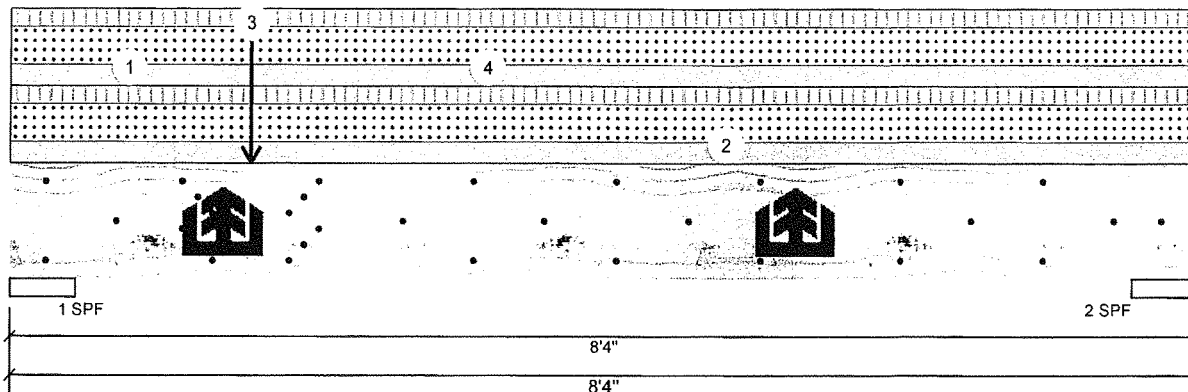
Designer:

Job Name: 401501

Project #:

B1 West Fraser 2.0 LVL 1.750" X 9.500" 2-Ply - PASSED

Level: Level

**Member Information**

Type:	Girder	Application:	Floor (Residential)
Plies:	2	Design Method:	LSD
Moisture Condition:	Dry	Building Code:	NBCC 2015 / OBC 2012
Deflection LL:	360	Load Sharing:	No
Deflection TL:	360	Deck:	Not Checked
Importance:	Normal	Vibration:	Not Checked

Unfactored Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind
1	783	998	1610	0
2	645	809	1344	0

Bearings and Factored Reactions

Bearing	Length	Cap. React	D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	5.500"	38%	1247 / 3199	4446	L	1.25D+1.5S +L
2 - SPF	5.500"	31%	1011 / 2661	3673	L	1.25D+1.5S +L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	7021 ft-lb	3'9 1/16"	23215 ft-lb	0.302 (30%)	1.25D+1.5S +L	L
Unbraced	7021 ft-lb	3'9 1/16"	9773 ft-lb	0.718 (72%)	1.25D+1.5S +L	L
Shear	4691 lb	1'2 1/4"	11052 lb	0.424 (42%)	1.25D+1.5S +L	L
Perm Defl in.	0.038 (L/2396)	4' 5/16"	0.251 (L/360)	0.150 (15%)	D	Uniform
LL Defl inch	0.077 (L/1173)	4' 1/2"	0.251 (L/360)	0.310 (31%)	S+0.5L	L
TL Defl inch	0.115 (L/787)	4' 7/16"	0.251 (L/360)	0.460 (46%)	D+S+0.5L	L

Design Notes

- 1 Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Concentrated load fastener specification is in addition to hanger fasteners if a hanger is present.
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top braced at bearings.
- 6 Bottom braced at bearings.
- 7 Lateral slenderness ratio based on single ply width.



SWG NO. TAM 11904155
STRUCTURAL
COMPONENT ONLY 1/3

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Part. Uniform	0-0-0 to 1-8-4	4-0-0	Near Face	13 PSF	11 PSF	23 PSF	0 PSF	
2	Uniform		1-0-0	Far Face	13 PSF	11 PSF	23 PSF	0 PSF	
3	Point	1-8-4		Near Face	513 lb	401 lb	805 lb	0 lb	

Continued on page 2...

Notes

Calculated Structural Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

Lumber

- 1 Dry service conditions, unless noted otherwise
- 2 LVL not to be treated with fire retardant or corrosive

chemicals**Handling & Installation**

- 1 LVL beams must not be cut or drilled
- 2 Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
- 3 Damaged Beams must not be used
- 4 Design assumes top edge is laterally restrained
- 5 Provide lateral support at bearing points to avoid lateral displacement and rotation

6. For flat roofs provide proper drainage to prevent ponding

Manufacturer Info

West Fraser
(250) 991-5350
www.westfraser.com
CCMC: 12904-R

Tamarack Roof Trusses
3255 North Service Road, ON
L7N 3G2
905-335-1115



This design is valid until 12/11/2021





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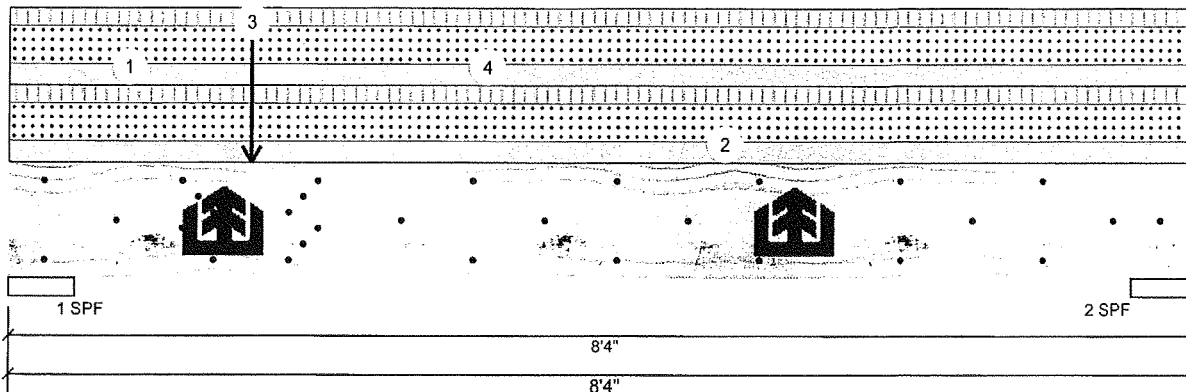
Client:
Project:
Address:

Date: 2/22/2019
Designer:
Job Name: 401501
Project #:

Page 2 of 3

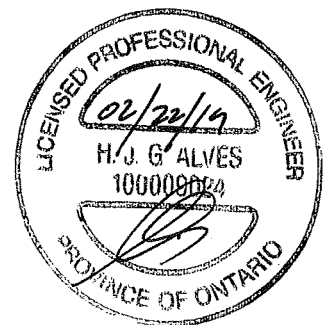
B1 West Fraser 2.0 LVL 1.750" X 9.500" 2-Ply - PASSED

Level: Level



...Continued from page 1

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
4	Part. Uniform	1-8-4 to 8-4-0	11-9-8	Near Face	13 PSF	11 PSF	23 PSF	0 PSF	
	Self Weight				9 PLF				



DWG NO. TAM 1904155
STRUCTURAL
COMPONENT ONLY 2/3

Notes

Calculated Structural Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

Lumber

1. Dry service conditions, unless noted otherwise
2. LVL not to be treated with fire retardant or corrosive

chemicals

Handling & Installation

1. LVL beams must not be cut or drilled
2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
3. Damaged Beams must not be used
4. Design assumes top edge is laterally restrained
5. Provide lateral support at bearing points to avoid lateral displacement and rotation

6. For flat roofs provide proper drainage to prevent ponding

Manufacturer Info

West Fraser
(250) 991-5350
www.westfraser.com
CCMC: 12904-R

Tamarack Roof Trusses
3255 North Service Road, ON
L7N 3G2
905-335-1115



This design is valid until 12/11/2021





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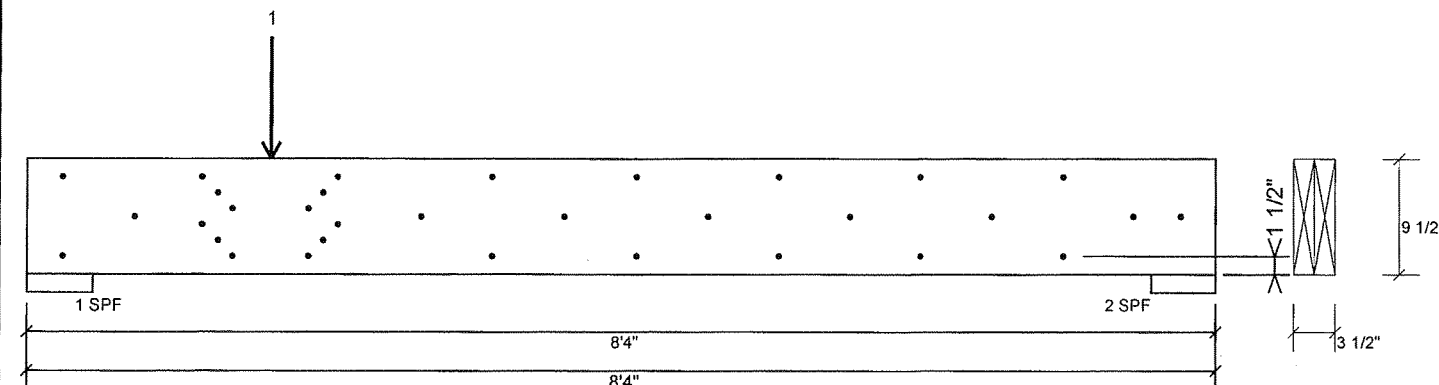
Client:
Project:
Address:

Date: 2/22/2019
Designer:
Job Name: 401501
Project #:

Page 3 of 3

B1 West Fraser 2.0 LVL 1.750" X 9.500" 2-Ply - PASSED

Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. except for regions covered by concentrated load fastening. Maximum end distance not to exceed 6"

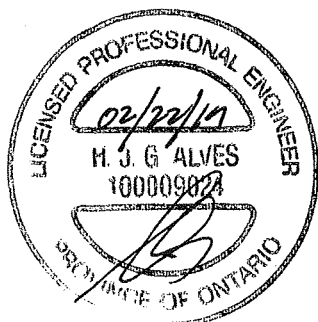
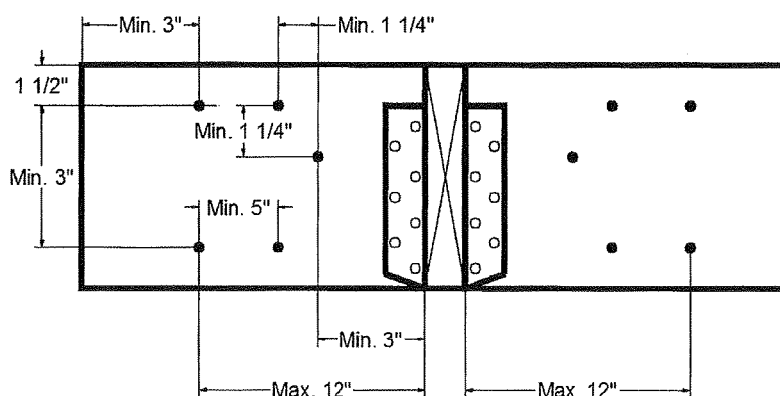
Capacity	95.0 %
Load	364.1 PLF
Yield Limit per Foot	383.1 PLF
Yield Limit per Fastener	127.7 lb.
Yield Mode	g
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S+L
Duration Factor	1.00

Concentrated Load

Fasten at concentrated side load at 1-8-4 with a minimum of (12) – Pneumatic Gun Nail (.120x3.25") in the pattern shown.

Capacity	73.4 %
Load	1124.9lb.
Total Yield Limit	1532.4 lb.
Yield Limit per Fastener	127.7 lb.
Yield Mode	g
Load Combination	1.25D+1.5S+L
Duration Factor	1.00

Min/Max fastener distances for Concentrated Side Loads



DWG NO. TAM 17904155
STRUCTURAL
COMPONENT ONLY 3/3

Notes

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Lumber

1. Dry service conditions, unless noted otherwise
2. LVL not to be treated with fire retardant or corrosive

chemicals

Handling & Installation

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2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
3. Damaged Beams must not be used
4. Design assumes top edge is laterally restrained
5. Provide lateral support at bearing points to avoid lateral displacement and rotation

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