

**THIS STRUCTURE MUST BE
CONSTRUCTED TO MEET /
EXCEED THE PROVISIONS OF
THE ONTARIO BUILDING CODE**

ASPHALT SHINGLES
12" FINISHED OH.
R.T.M.C.
2X6 EXTERIOR WALLS
2X6 FASCIA BOARD

DENOTES
CONV.
FRAMING

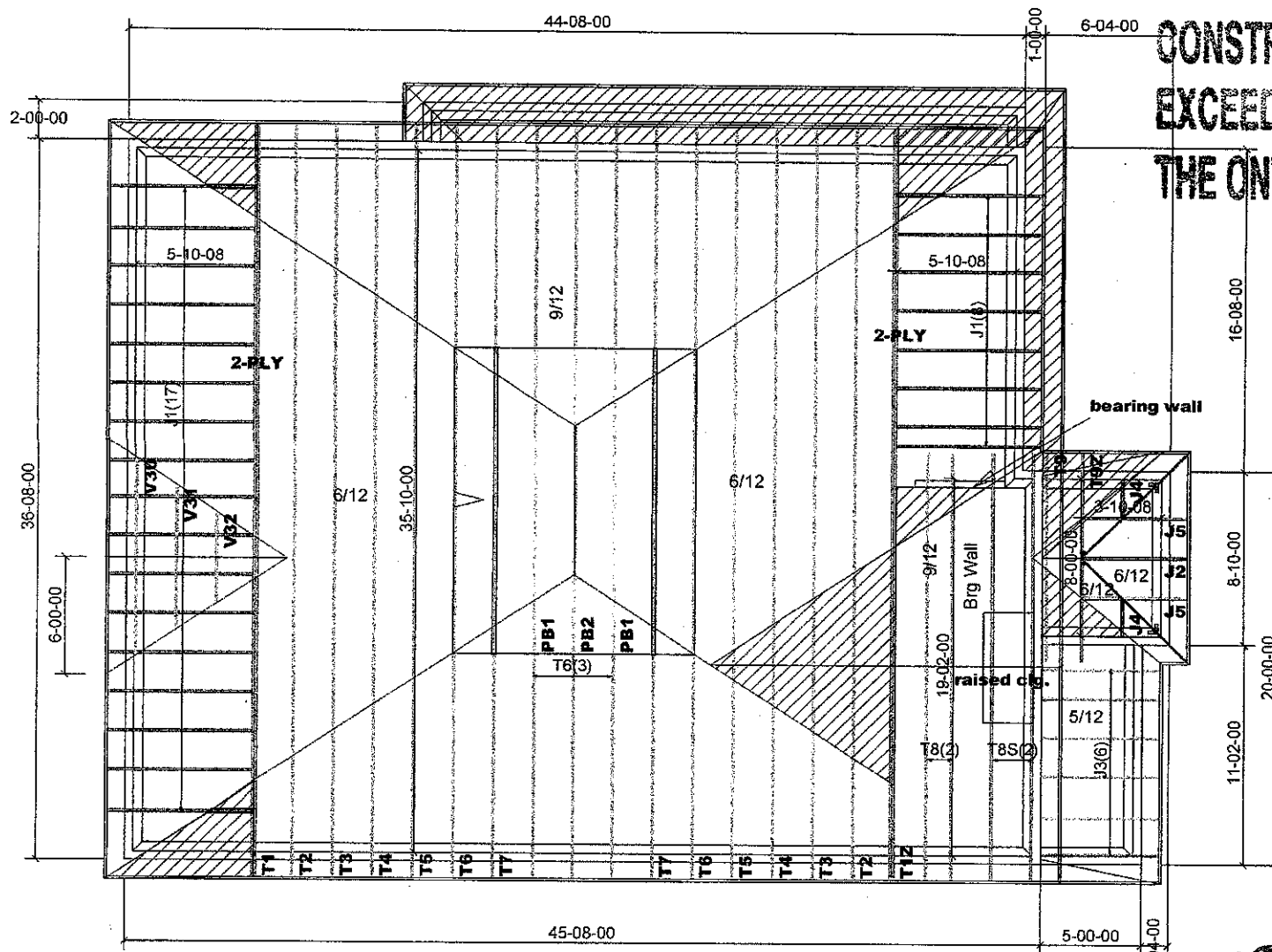


GSL 37.6 PSF

DESIGN CONFORMS
WITH O.B.C. 2012 PART
DESIGN LOADS:

TC LIVE 29 PSF
TC DEAD 6 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

T - 180737



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

RECEIVED
JUN 14 2019
TOWN OF CALEDON
BUILDING DEPARTMENT

	Job Track: 50033	Builder / Location: GREENPARK HOMES / CALEDON		Model / Elevation: WOODCROFT 3 / 1 - REAR UPGRADE
	Plan Log: 200625	Project: LAMBERT LANE PH.2		THESE DRAWINGS CONSTITUTE THE PROPERTY OF TAMARACK ROOF TRUSSES INC. SHALL NOT BE REPRODUCED, PUBLISHED, OR REDISTRIBUTED IN ANY MANNER OR UTILIZED FOR ANY PURPOSE OTHER THAN THE MANUFACTURE OF TRUSSES BY TAMARACK ROOF TRUSSES INC AND WILL BE RETRACTED BY TAMARACK ROOF TRUSSES INC IF UTILIZED FOR ANY OTHER PURPOSE Mitek ver 8.3.0.234
Layout ID: 403616	Date: 5/29/2019	Sales: Mario DiCano	Designer: AG/ jano	



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREENPARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: WOODCROFT 3
 Lot #:
 Elevation: 1 - REAR UPGRADE

Job Track: 50033
 PlanLog: 200625
 Layout ID: 403616
 Ref #
 Page: 1 of 2
 Date: 05/29/2019
 Designer:
 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	T1 Hip Girder	9/12	35-10-00	4-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-06-04 1-06-04	354.14 216.67		
	1 2-ply	T1Z Hip Girder	9/12	35-10-00	4-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-06-04 1-06-04	354.14 216.67		
	2	T2 Hip	9/12	35-10-00	5-01-04	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	299.62 188.33		
	2	T3 Hip	9/12	35-10-00	6-01-04	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	309.43 194.67		
	2	T4 Hip	9/12	35-10-00	7-01-04	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	328.47 209.00		
	2	T5 Hip	9/12	35-10-00	8-01-04	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	322.29 202.00		
	5	T6 Hip	9/12	35-10-00	9-01-04	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	884.46 548.33		
	2	T7 Hip	9/12	35-10-00	10-01-04	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	351.61 220.67		
	2	T8 Common	9/12	19-02-00	8-08-08	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	187.7 118.67		
	2	T8S Roof Special	9/12	19-02-00	8-08-08	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	219.57 138.33		
	1	T9 Common	6/12	8-00-00	2-11-11	2 x 4	1-03-08 1-03-08	5-08 5-08	25.78 17.00		
	1	T9Z Common Girder	6/12	8-00-00	2-11-11	2 x 4	1-03-08 1-03-08	5-08 5-08	25.78 17.00		
	2	PB1 Piggyback	9/12	15-07-05	2-00-00	2 x 4			93.72 61.33		
	1	PB2 Piggyback	9/12	15-07-05	2-11-14	2 x 4			48.71 31.60		

RECEIVED
 JUN 10 2019
 BUILDING DEPARTMENT
 CALEDON

TAMARACK LUMBER INC. ALPA LUMBER GROUP		DELIVERY SHIPLIST	
Lumber Yard:	TAMARACK LUMBER	Job Track:	50033
Builder:	GREENPARK HOMES	PlanLog:	200625
Project:	LAMBERT LANE PH.2	Layout ID:	403616
Location:	CALEDON	Ref #	
Model:	WOODCROFT 3	Page:	2 of 2
Lot #:		Date:	05/29/2019
Elevation:	1 - REAR UPGRADE	Designer:	
		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	V30 Valley	9 /12	9-10-00	3-08-04	2 x 4			29.09 18.67		
	1	V31 Valley	9 /12	7-02-00	2-08-04	2 x 4			18.81 12.17		
	1	V32 Valley	9 /12	4-06-00	1-08-04	2 x 4			10.32 7.33		
	25	J1 Jack-Open	6 /12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	461.94 291.67		
	1	J2 Jack-Open	6 /12	3-10-08	2-10-15	2 x 4	1-03-08	5-08 2-04-12	11.84 7.33		
	6	J3 Monopitch Supported Gable	5 /12	5-04-00	3-00-15	2 x 4	1-03-08	4-01 2-03-00	86.43 56.00		
	2	J4 Jack-Open	6 /12	1-10-08	1-04-03	2 x 4		5-08 1-04-12	10.49 8.00		
	2	J5 Jack-Open Girder	6 /12	1-09-07	1-10-06	2 x 4	1-03-08 2-01-01	5-08 1-04-03	18.35 12.00		

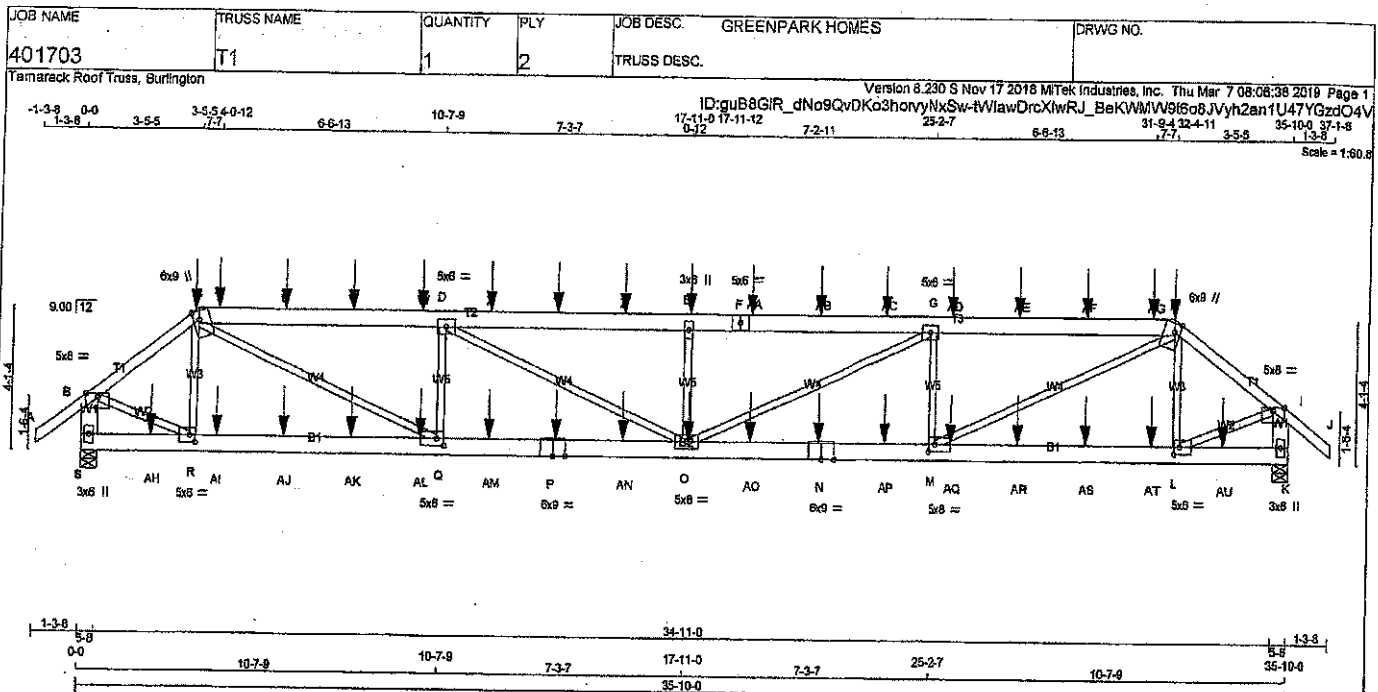
TOTAL # TRUSS= 67

TOTAL BFT OF ALL TRUSSES= 2793.34

BFT.

TOTAL WEIGHT OF ALL TRSSES 4420.68 LBS

RECEIVED
JUN 10 2019
TOWN OF CALEDON
BUILDING SECTION
FILE NO.



TOTAL WEIGHT = 2 X 177 = 354 lb

LUMBER

N.L.G.A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - F	2x6	DRY	No.2	SPF	
F - H	2x6	DRY	No.2	SPF	
H - J	2x4	DRY	No.2	SPF	
S - B	2x6	DRY	No.2	SPF	
K - I	2x6	DRY	No.2	SPF	
S - P	2x6	DRY	No.2	SPF	
P - N	2x6	DRY	No.2	SPF	
N - K	2x6	DRY	No.2	SPF	
ALL WEBS	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 - C	12	SIDE(61.0)
H - J	12	SIDE(61.0)
C - F	12	SIDE(61.0)
F - H	12	SIDE(61.0)
S - B	12	TOP
K - I	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
S - P	12	SIDE(0.0)
P - N	12	SIDE(163.1)
N - K	12	SIDE(0.0)
WEBS: (0.122"x3") SPIRAL NAILS		
2x3	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
B	TMVW-p	MT20	5.0	8.0	Edge	
C	TTWW-m	MT20	5.0	8.0	Edge 2.00	
D	TMVW-l	MT20	5.0	8.0		
E	TMVW-w	MT20	3.0	8.0		
F	TS-l	MT20	5.0	8.0		
G	TMVW-l	MT20	5.0	8.0		
H	TTWW-m	MT20	5.0	8.0	Edge 2.00	
I	TMVW-p	MT20	5.0	8.0	Edge	
J	BMV1-p	MT20	3.0	8.0		
K	BMVW-l	MT20	5.0	8.0	2.50 2.00	
L	BMVW-l	MT20	5.0	8.0	2.50 2.50	
M	BS-l	MT20	8.0	9.0		
N	BMVW-l	MT20	5.0	8.0		
O	BS-l	MT20	8.0	9.0		
P	BMVW-l	MT20	5.0	8.0	2.50 2.50	
Q	BMVW-l	MT20	5.0	8.0	2.50 2.00	
R	BMV1-p	MT20	3.0	8.0		

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
S	5087	0	0	5-8
K	5087	0	0	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
JT	COMBINED				
S	3786	2140 / 0	722 / 0	0 / 0	924 / 0
K	3786	2140 / 0	722 / 0	0 / 0	924 / 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 = 2.91 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO					FR-TO			
A-B	0 / 42	-102.1	-102.1	0.08 (1)	R-C	-844 / 0	0.12 (1)	10.00
B-C	-5545 / 0	-102.1	-102.1	0.24 (1)	L-H	-946 / 0	0.12 (1)	3.95
C-T	-10887 / 0	-102.1	-102.1	0.83 (1)	B-R	0 / 4889	0.58 (1)	3.26
T-U	-10887 / 0	-102.1	-102.1	0.83 (1)	L-I	0 / 4887	0.58 (1)	3.26
U-V	-10887 / 0	-102.1	-102.1	0.83 (1)	M-H	0 / 6973	0.88 (1)	3.26
V-W	-10887 / 0	-102.1	-102.1	0.83 (1)	C-Q	0 / 6972	0.88 (1)	3.26
W-D	-10887 / 0	-102.1	-102.1	0.83 (1)	M-G	-2648 / 0	0.32 (1)	3.26
D-X	-12851 / 0	-102.1	-102.1	0.74 (1)	Q-D	-2648 / 0	0.32 (1)	2.91
X-Y	-12851 / 0	-102.1	-102.1	0.74 (1)	O-G	0 / 2199	0.27 (1)	2.91
Y-Z	-12851 / 0	-102.1	-102.1	0.74 (1)	D-O	0 / 2197	0.27 (1)	2.91
Z-E	-12851 / 0	-102.1	-102.1	0.74 (1)	O-E	-1405 / 0	0.17 (1)	2.91
E-F	-12851 / 0	-102.1	-102.1	0.74 (1)				
F-AA	-12851 / 0	-102.1	-102.1	0.74 (1)				
AA-AB	-12851 / 0	-102.1	-102.1	0.74 (1)				
AB-AC	-12851 / 0	-102.1	-102.1	0.74 (1)				
AC-G	-12851 / 0	-102.1	-102.1	0.74 (1)				
G-AD	-10686 / 0	-102.1	-102.1	0.63 (1)				
AD-AE	-10686 / 0	-102.1	-102.1	0.63 (1)				
AE-AF	-10686 / 0	-102.1	-102.1	0.63 (1)				
AF-AG	-10686 / 0	-102.1	-102.1	0.63 (1)				
AG-H	-10686 / 0	-102.1	-102.1	0.63 (1)				
H-I	-5542 / 0	-102.1	-102.1	0.24 (1)				
I-J	0 / 42	-102.1	-102.1	0.08 (1)				
S-B	-5102 / 0	0.0	0.0	0.19 (1)				
K-I	-5100 / 0	0.0	0.0	0.18 (1)				
S-AH	0 / 0	-38.5	-38.5	0.15 (2)				
AH-R	0 / 0	-38.5	-38.5	0.15 (2)				
R-AI	0 / 4477	-38.5	-38.5	0.42 (1)				
AI-AJ	0 / 4477	-38.5	-38.5	0.42 (1)				
AJ-AK	0 / 4477	-38.5	-38.5	0.42 (1)				
AK-AL	0 / 4477	-38.5	-38.5	0.42 (1)				
AL-Q	0 / 4477	-38.5	-38.5	0.42 (1)				
Q-AM	0 / 10886	-38.5	-38.5	0.83 (1)				
AM-P	0 / 10886	-38.5	-38.5	0.83 (1)				
P-AN	0 / 10886	-38.5	-38.5	0.83 (1)				
AN-O	0 / 10886	-38.5	-38.5	0.83 (1)				
O-AO	0 / 10886	-38.5	-38.5	0.83 (1)				
AO-N	0 / 10886	-38.5	-38.5	0.83 (1)				
N-AP	0 / 10886	-38.5	-38.5	0.83 (1)				

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH. LL	=	28.0 PSF
DL	=	6.0 PSF
BOT CH. LL	=	10.5 PSF
DL	=	7.0 PSF
TOTAL LOAD	=	52.5 PSF

SPACING = 24.0 IN. C/C

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

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBCC 2010, OBC 2012
- CSA 088-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (1.19")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.38")
ALLOWABLE DEFL.(TL) = $L/360$ (1.19")
CALCULATED VERT. DEFL.(TL) = $L/714$ (0.80")

CSI: TC=0.74/1.00 (E-G:1), BC=0.83/1.00 (O-Q:1)
WB=0.86/1.00 (I-M:1), SS=0.30/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP (PSI) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1807 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.88 (Q) (INPUT = 0.80)
JSI METAL=0.88 (P) (INPUT = 1.00)

CONTINUED ON PAGE 2

JOB NAME 401703	TRUSS NAME T1	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	
Version 8.230 5 Nov 17 2016 MTEK Industries, Inc. Thu Mar 7 08:08:39 2019 Page 2 ID:quB8GIR dNo9QvDKo3horyNxsW-tWlawDrcXlwRj BeKWMW9t8o8JVyh2an1U47YGzdO4V					

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

LOADING

TOTAL LOAD CASES: (4)

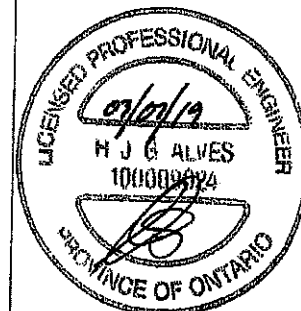
CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CSI (LC)
FR-TO		FROM	TO	LENGTH	FR-TO		
AP-M	0/10685	-38.5	-38.5	0.83 (1)	10.00		
MA-Q	0/4475	-38.5	-38.5	0.42 (1)	10.00		
AQ-AR	0/4475	-38.5	-38.5	0.42 (1)	10.00		
AR-AS	0/4475	-38.5	-38.5	0.42 (1)	10.00		
AS-AT	0/4475	-38.5	-38.5	0.42 (1)	10.00		
AT-L	0/4475	-38.5	-38.5	0.42 (1)	10.00		
L-AU	0/0	-38.5	-38.5	0.15 (2)	10.00		
AU-K	0/0	-38.5	-38.5	0.15 (2)	10.00		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	3-5-5	-43	-48		FRONT	VERT	DEAD		
C	3-5-5	-248	-248		FRONT	VERT	SNOW		
E	17-11-12	-198	-198		BACK	VERT	TOTAL		
H	32-4-11	-43	-48		FRONT	VERT	DEAD		
H	32-4-11	-248	-248		FRONT	VERT	SNOW		
N	21-9-4	-75	-95		BACK	VERT	TOTAL		
O	17-11-12	-75	-95		BACK	VERT	TOTAL		
P	14-0-12	-75	-95		BACK	VERT	TOTAL		
T	4-0-12	-217	-217		BACK	VERT	TOTAL		
U	8-0-12	-198	-198		BACK	VERT	TOTAL		
V	8-0-12	-198	-198		BACK	VERT	TOTAL		
W	10-0-12	-198	-198		BACK	VERT	TOTAL		
X	12-0-12	-198	-198		BACK	VERT	TOTAL		
Y	14-0-12	-198	-198		BACK	VERT	TOTAL		
Z	16-0-12	-198	-198		BACK	VERT	TOTAL		
AA	19-9-4	-195	-195		BACK	VERT	TOTAL		
AB	21-9-4	-198	-198		BACK	VERT	TOTAL		
AC	23-9-4	-198	-198		BACK	VERT	TOTAL		
AD	25-9-4	-198	-198		BACK	VERT	TOTAL		
AE	27-9-4	-198	-198		BACK	VERT	TOTAL		
AF	29-9-4	-198	-198		BACK	VERT	TOTAL		
AG	31-9-4	-217	-217		BACK	VERT	TOTAL		
AH	2-0-12	-75	-95		BACK	VERT	TOTAL		
AI	4-0-12	-75	-95		BACK	VERT	TOTAL		
AJ	6-0-12	-75	-95		BACK	VERT	TOTAL		
AK	8-0-12	-75	-95		BACK	VERT	TOTAL		
AL	10-0-12	-75	-95		BACK	VERT	TOTAL		
AM	12-0-12	-75	-95		BACK	VERT	TOTAL		
AN	14-0-12	-75	-95		BACK	VERT	TOTAL		
AO	16-0-12	-75	-95		BACK	VERT	TOTAL		
AP	18-9-4	-75	-95		BACK	VERT	TOTAL		
AQ	20-9-4	-75	-95		BACK	VERT	TOTAL		
AR	22-9-4	-75	-95		BACK	VERT	TOTAL		
AS	24-9-4	-75	-95		BACK	VERT	TOTAL		
AT	26-9-4	-75	-95		BACK	VERT	TOTAL		
AU	28-9-4	-75	-95		BACK	VERT	TOTAL		

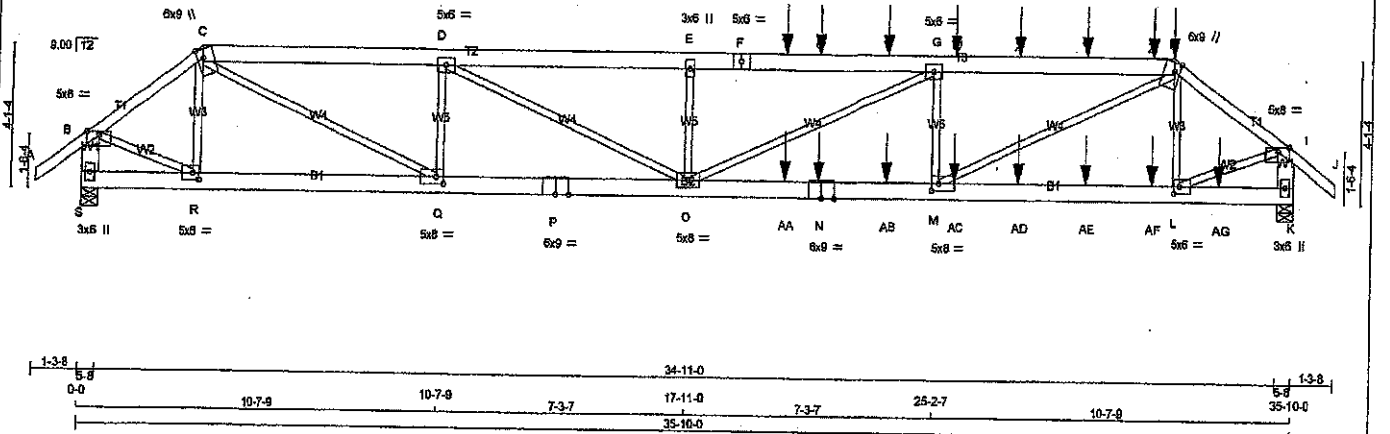
THIS STRUCTURE MUST BE
CONSTRUCTED TO MEET OR
EXCEED THE PROVISIONS OF
THE ONTARIO BUILDING CODE

RECEIVED
JUN 10 2019
HARRIS COLLECTION



DWG NO. TAM 71405785
STRUCTURAL
COMPONENT ONLY

JOB NAME 401703	TRUSS NAME T1Z	QUANTITY 1	PLY 2	JOB DESC. GREENPARK HOMES	TRUSS DESC.	DRWG NO.
Ternarrick Roof Truss, Burlington				Version 8.230 S Nov 17 2016 Mitek Industries, Inc. Thu Mar 7 08:08:40 2019 Page 1		
-1-3-8 0-0 10-7-8 10-7-8 7-3-7 17-11-0 7-3-7 25-2-7 6-6-13 31-9-4 32-4-11 1-3-8 35-10-0 17-1-8				ID:guB8GIR_dNo9QvDKo3horvNvSw-qvQLLuts3vA9YIK1SxP_EIBau7CM97z3UoZEd9zdC4T		
				Scale = 1/80.0		



TOTAL WEIGHT = 2 X 177 = 354 lb

LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - C	2x4	DRY	No.2
C - F	2x6	DRY	No.2
F - H	2x6	DRY	No.2
H - J	2x4	DRY	No.2
S - B	2x6	DRY	No.2
K - I	2x6	DRY	No.2
S - P	2x6	DRY	No.2
P - N	2x6	DRY	No.2
N - K	2x6	DRY	No.2
ALL WEBS	2x3	DRY	No.2
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-C	12	TOP
H-J	12	SIDE(81.0)
C-F	12	TOP
F-H	12	SIDE(81.0)
S-B	12	TOP
K-I	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
S-P	12	TOP
P-N	12	SIDE(0.0)
N-K	12	SIDE(0.0)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	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.

JT TYPE	PLATES	W	LEN	Y	X
B	TMVV+p	MT20	5.0	8.0	Edge
C	TTVV+m	MT20	6.0	9.0	Edge 2.00
D	TMVV+l	MT20	5.0	6.0	
E	TMVV+w	MT20	3.0	6.0	
F	TS-l	MT20	5.0	6.0	
G	TMVV+l	MT20	5.0	6.0	
H	TTVV+m	MT20	6.0	9.0	Edge 2.00
I	TMVV+p	MT20	5.0	8.0	Edge
K	BMV1+p	MT20	3.0	6.0	
L	BMVV+l	MT20	5.0	6.0	2.50 2.00
M	BMVV+l	MT20	5.0	8.0	2.50 2.50
N	BS-l	MT20	6.0	8.0	
O	BMVVW+l	MT20	5.0	8.0	
P	BS-l	MT20	6.0	9.0	
Q	BMVVW+l	MT20	5.0	8.0	2.50 2.50
R	BMVVW+l	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	RECORD
JT	VERT	GROSS REACTION	GROSS REACTION	BRG	BRG
S	3222	0	3222	0	5-8
K	4389	0	4389	0	5-8

UNFACTORED REACTIONS		1ST LCASE	MAX/MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
S	2398	1356 / 0	457 / 0	0 / 0	0 / 0	585 / 0	0 / 0
K	3265	1849 / 0	621 / 0	0 / 0	0 / 0	786 / 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. PURLINE SPACING = 3.52 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. CSI (LC)	UNBRAC LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO				FROM TO			FR-TO			
A-B	0 / 42			-102.1 -102.1	0.08 (1)	10.00	R-C	-605 / 0	0.07 (1)	
B-C	-3355 / 0			-102.1 -102.1	0.16 (1)	4.94	L-H	-746 / 22	0.09 (1)	
C-D	-8924 / 0			-102.1 -102.1	0.29 (1)	4.34	B-R	0 / 2846	0.35 (1)	
D-E	-9114 / 0			-102.1 -102.1	0.37 (1)	3.80	L-I	0 / 3966	0.48 (1)	
E-F	-9114 / 0			-102.1 -102.1	0.59 (1)	3.52	M-H	0 / 5473	0.66 (1)	
F-T	-9114 / 0			-102.1 -102.1	0.59 (1)	3.52	C-Q	0 / 4723	0.58 (1)	
T-U	-9114 / 0			-102.1 -102.1	0.59 (1)	3.52	M-G	-1937 / 0	0.23 (1)	
U-V	-9114 / 0			-102.1 -102.1	0.59 (1)	3.52	Q-D	-1904 / 0	0.23 (1)	
V-G	-9114 / 0			-102.1 -102.1	0.59 (1)	3.52	O-G	0 / 477	0.08 (1)	
G-W	-8588 / 0			-102.1 -102.1	0.57 (1)	3.81	D-O	0 / 248	0.30 (1)	
W-X	-8688 / 0			-102.1 -102.1	0.57 (1)	3.81	O-E	0 / 248	0.30 (1)	
X-Y	-8688 / 0			-102.1 -102.1	0.57 (1)	3.81				
Y-Z	-8688 / 0			-102.1 -102.1	0.57 (1)	3.81				
Z-H	-8688 / 0			-102.1 -102.1	0.57 (1)	3.81				
H-I	-4725 / 0			-102.1 -102.1	0.21 (1)	4.27				
I-J	0 / 42			-102.1 -102.1	0.08 (1)	10.00				
S-B	-3221 / 0			0.0	0.0	1.12 (1)				
K-I	-4394 / 0			0.0	0.0	0.16 (1)				

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR	TYPE	HEEL	CONN.
H	32-4-11	-43	-48	-	FRONT	VERT	DEAD	-	-
H	32-4-11	-248	-249	-	FRONT	VERT	SNOW	-	-
N	21-9-4	-75	-95	-	FRONT	VERT	TOTAL	-	-

FACTORED CONCENTRATED LOADS (LBS)

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 = 29.0 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. G.C.

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

*** 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 ECBC 2018, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.27")
ALLOWABLE DEFL.(TL) = L/360 (1.19")
CALCULATED VERT. DEFL.(TL) = L/958 (0.45")

CSI: TC=0.59/1.00 (E-G-1), BC=0.71/1.00 (M-C-1), WB=0.65/1.00 (H-M-1), SSI=0.30/1.00 (G-H-1)

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

COMPANION LIVE LOAD FACTOR = 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 1687 788 1987 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.75 (O) (INPUT = 0.90)
JSI METAL= 0.75 (P) (INPUT = 1.00)

CONTINUED ON PAGE 2

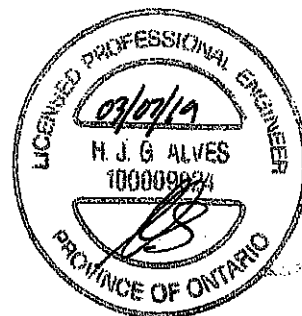
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
401703	T1Z	1	2	TRUSS DESC.		
Tamarack Roof Truss, Burlington				Version 8.230 5 Nov 17 2016 Mitek Industries, Inc. Thu Mar 7 08:08:40 2019 Page 2 ID:guB8GIR dNo9QvDKo3horvyNxSw-gvQLLuts3vA9YIK1SxP EIBAu7CM9?z3UoZE9zdO4T		

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

FACTORED CONCENTRATED LOADS (LBS)

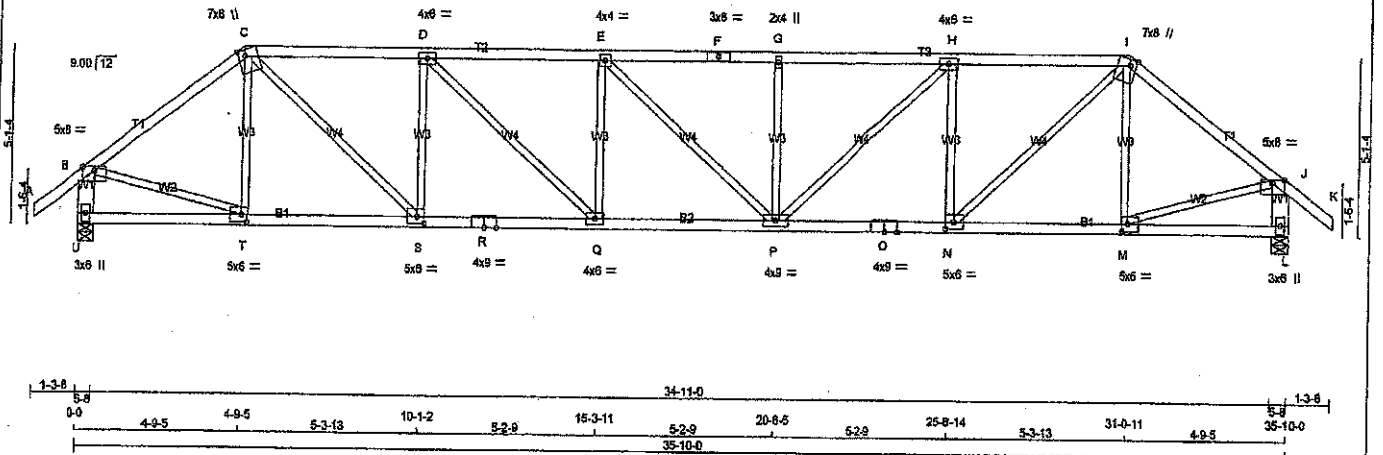
JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
T	20-9-4	-198	-198	---	FRONT	VERT	TOTAL	---	---
U	21-9-4	-198	-198	---	FRONT	VERT	TOTAL	---	---
V	23-9-4	-198	-198	---	FRONT	VERT	TOTAL	---	---
W	25-9-4	-198	-198	---	FRONT	VERT	TOTAL	---	---
X	27-9-4	-198	-198	---	FRONT	VERT	TOTAL	---	---
Y	29-9-4	-198	-198	---	FRONT	VERT	TOTAL	---	---
Z	31-9-4	-217	-217	---	FRONT	VERT	TOTAL	---	---
AA	20-9-4	-75	-95	---	FRONT	VERT	TOTAL	---	---
AB	23-9-4	-75	-95	---	FRONT	VERT	TOTAL	---	---
AC	25-9-4	-75	-95	---	FRONT	VERT	TOTAL	---	---
AD	27-9-4	-75	-95	---	FRONT	VERT	TOTAL	---	---
AE	29-9-4	-75	-95	---	FRONT	VERT	TOTAL	---	---
AF	31-9-4	-75	-95	---	FRONT	VERT	TOTAL	---	---
AG	33-9-4	-75	-95	---	FRONT	VERT	TOTAL	---	---

RECEIVED
JUN 10 2019
TOWN OF SALEM
FILE NO. 18



DWG NO. TAM 17405736
STRUCTURAL
COMPONENT ONLY 3/4

JOB NAME 401703	TRUSS NAME T2	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	
Version 8.230 S Nov 17 2018 Mtak Industries, Inc. Thu Mar 7 08:08:24 2019 Page 1					
ID:EOeHuqPduBFR_cwVJO44UGyOdeU-nvifAS75ZsHo1HH0XnGNSDVIU2ibX4KNPzlkG7zdO2r					
1-3-8 0-0 4-9-5 4-9-5 5-3-13 10-1-2 5-2-9 15-3-11 5-2-9 20-8-5 5-2-9 25-8-14 5-3-13 31-0-11 4-9-5 35-10-0 37-1-8 1-3-8					Scale = 1/8" = 1'-0"



TOTAL WEIGHT = 2 X 150 = 300 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4 DRY	No.2	SPF		
C - F	2x4 DRY	No.2	SPF		
F - I	2x4 DRY	No.2	SPF		
I - K	2x4 DRY	No.2	SPF		
U - B	2x6 DRY	No.2	SPF		
L - J	2x6 DRY	No.2	SPF		
U - R	2x4 DRY	No.2	SPF		
R - O	2x4 DRY	No.2	SPF		
O - L	2x4 DRY	No.2	SPF		
ALL WEBS	2x3 DRY	No.2	SPF		
EXCEPT					

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	Edge	
C	TTVWV-m	MT20	7.0	8.0	Edge 2.50	
D	TMVW-t	MT20	4.0	8.0		
E	TMVW-t	MT20	4.0	4.0		
F	TS-t	MT20	3.0	8.0		
G	TMVW-w	MT20	2.0	4.0		
H	TMVW-t	MT20	4.0	6.0		
I	TTVWV-m	MT20	7.0	8.0	Edge 2.50	
J	TMVW-p	MT20	5.0	8.0	Edge	
L	BMV1+p	MT20	3.0	6.0		
M	BMVW-t	MT20	5.0	6.0	2.50 2.00	
N	BMVW-t	MT20	5.0	6.0	2.25 2.50	
O	BS-t	MT20	4.0	9.0		
P	BMVWV-t	MT20	4.0	9.0		
Q	BMVW-t	MT20	4.0	6.0		
R	BS-t	MT20	4.0	9.0		
S	BMVW-t	MT20	5.0	6.0	2.25 2.50	
T	BMVW-t	MT20	5.0	6.0	2.50 2.00	
U	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	DOWN	UP	IN-SX	IN-SX		
U	2680	0	2680	0	5-8	5-8	
L	2680	0	2680	0	5-8	5-8	
UNFACTORED REACTIONS							
1ST CASE	MAX/MIN	COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	1979	1120 / 0	376 / 0	0 / 0	0 / 0	482 / 0	0 / 0
L	1979	1120 / 0	376 / 0	0 / 0	0 / 0	482 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.61 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING							
TOTAL LOAD CASES: (4)							
CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 42	-102.1 -102.1	0.14 (1)	T-C	-319 / 29	0.12 (1)	
B-C	-2762 / 0	-102.1 -102.1	0.62 (1)	C-S	0 / 2248	0.51 (1)	
C-D	-3888 / 0	-102.1 -102.1	0.73 (1)	S-D	-1310 / 0	0.50 (1)	
D-E	-4847 / 0	-102.1 -102.1	0.88 (1)	D-Q	0 / 1060	0.24 (1)	
E-F	-4846 / 0	-102.1 -102.1	0.72 (1)	Q-E	-517 / 0	0.20 (1)	
F-G	-4846 / 0	-102.1 -102.1	0.72 (1)	E-P	-2 / 0	0.00 (1)	
G-H	-4846 / 0	-102.1 -102.1	0.88 (1)	P-G	-516 / 0	0.20 (1)	
H-I	-3889 / 0	-102.1 -102.1	0.73 (1)	P-H	0 / 1057	0.24 (1)	
I-J	-2762 / 0	-102.1 -102.1	0.62 (1)	N-H	-1310 / 0	0.50 (1)	
J-K	0 / 42	-102.1 -102.1	0.14 (1)	N-I	0 / 2248	0.51 (1)	
U-B	-2586 / 0	0.0 0.0	0.18 (1)	M-I	-319 / 29	0.12 (1)	
L-J	-2586 / 0	0.0 0.0	0.18 (1)	B-T	0 / 2270	0.51 (1)	
U-T	0 / 0	-38.5 -38.5	0.18 (3)	M-J	0 / 2270	0.51 (1)	
T-S	0 / 2199	-38.5 -38.5	0.49 (1)				
S-R	0 / 3888	-38.5 -38.5	0.72 (1)				
R-Q	0 / 3888	-38.5 -38.5	0.72 (1)				
Q-P	0 / 4647	-38.5 -38.5	0.84 (1)				
P-O	0 / 3869	-38.5 -38.5	0.71 (1)				
O-N	0 / 3869	-38.5 -38.5	0.71 (1)				
N-M	0 / 2199	-38.5 -38.5	0.49 (1)				
M-L	0 / 0	-38.5 -38.5	0.18 (3)				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 8.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

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

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

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.30")
ALLOWABLE DEFL.(TL) = L/360 (1.19")
CALCULATED VERT. DEFL.(TL) = L/872 (0.49")

CSI: TC=0.86/1.00 (G-H-T), BC=0.84/1.00 (P-Q-T), WB=0.51/1.00 (S-T-T), SSI=0.25/1.00 (H-I-T)

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

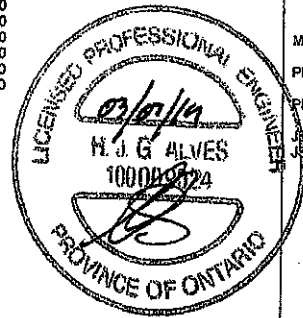
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PS) (PL) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1987 1855

PLATE PLACEMENT TOL = 0.250 inches
PLATE ROTATION TOL = 5.0 Deg.

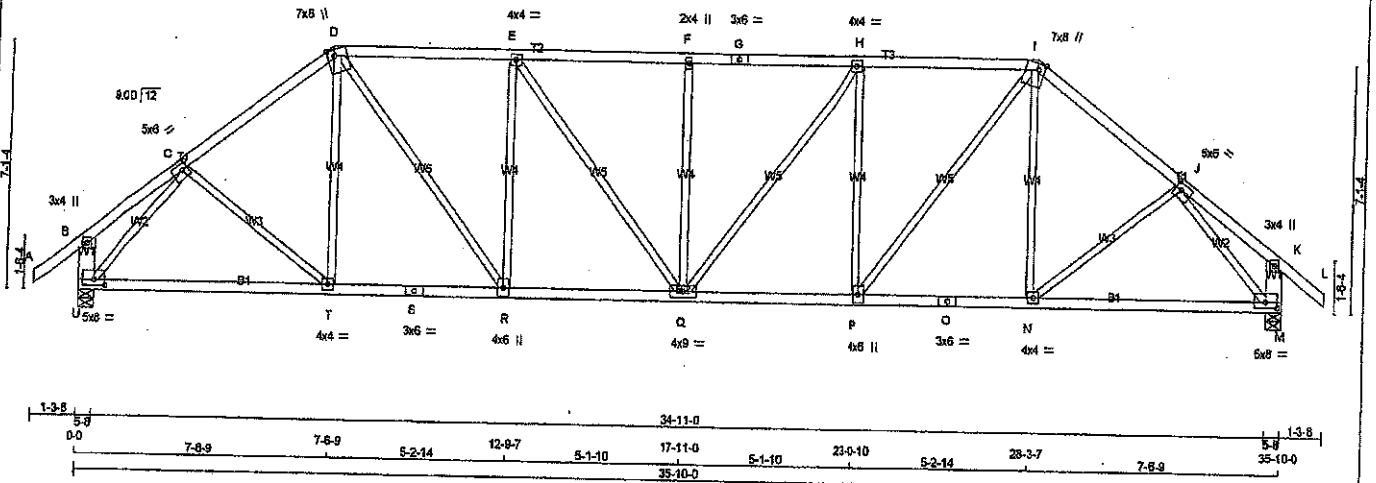
GRIP=0.89 (N) (INPUT = 0.90)
METAL=0.90 (O) (INPUT = 1.00)

RECEIVED
JUN 10 2019
TOWN OF CALEDON BUILDING SECTION
FILE NO.



DWG NO. TAM T20 5/37
STRUCTURAL
COMPONENT ONLY

JOB NAME 401703	TRUSS NAME T4	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.230 8 Nov 17 2016 Mtek Industries, Inc. Thu Mar 7 08:08:25 2019 Page 1	
1-3-9 0-0 3-1-12 3-1-12 4-3-9 7-5-5 5-4-2 12-9-7 5-1-10 17-11-0 5-1-10 23-5-10 5-4-2 28-4-11 4-3-9 32-8-4 3-1-12 35-10-0 37-1-8 1-3-8 1-3-8				ID:EOeHuqPduBFR_cwVjO44UGyOdeU-F6G1No8JKAPFeRtC5Vnc?R25UR2IGP9XedVloZzdO2Q Scale = 1:50.9	



LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
G - I	2x4	DRY	No.2
I - L	2x4	DRY	No.2
U - B	2x6	DRY	No.2
M - K	2x6	DRY	No.2
U - S	2x4	DRY	No.2
S - O	2x4	DRY	No.2
O - M	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
DRY: SEASONED LUMBER.			

PLATES (table 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	2.25 2.25
D TTWV+m	MT20	7.0	8.0	Edge 2.50
E TMVW+1	MT20	4.0	4.0	
F TMVW+1	MT20	2.0	4.0	
G TS-1	MT20	3.0	6.0	
H TMVW+1	MT20	4.0	4.0	
I TTWV+m	MT20	7.0	8.0	Edge 2.50
J TMVW+1	MT20	5.0	6.0	2.25 2.25
K TMV+p	MT20	3.0	4.0	
M BMVW+1	MT20	5.0	8.0	2.00 4.00
N BMVW+1	MT20	4.0	4.0	
O BS-1	MT20	3.0	6.0	
P BMVW+1	MT20	4.0	6.0	
Q BMVW+1	MT20	4.0	6.0	
R BMVW+1	MT20	4.0	6.0	
S BS-1	MT20	3.0	6.0	
T BMVW+1	MT20	4.0	4.0	
U BMVW+1	MT20	5.0	8.0	2.00 4.00

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	GROSS REACTION	DOWN	BRG	BRG
M	2680	0	2680	0	5-8
U	2680	0	2680	0	5-8

UNFACTORED REACTIONS

1ST CASE		MAX/MIN	COMPONENT REACTIONS				
JT	COMBINED	SNOW	LIVE	PERM	WIND	DEAD	SOIL
M	1979	1120 / 0	376 / 0	0 / 0	0 / 0	482 / 0	0 / 0
U	1979	1120 / 0	376 / 0	0 / 0	0 / 0	482 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.23 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	0 / 42	T-O	0 / 246
B-C	0 / 32	N-J	0 / 246
C-D	-2797 / 0	C-T	0 / 277
D-E	-3085 / 0	D-R	0 / 1413
E-F	-3352 / 0	R-E	-950 / 0
F-G	-3352 / 0	E-Q	0 / 440
G-H	-3352 / 0	Q-F	-457 / 0
H-I	-3085 / 0	Q-H	0 / 440
I-J	-2797 / 0	P-H	-950 / 0
J-K	0 / 32	P-I	0 / 1413
K-L	0 / 42	N-J	0 / 277
L-B	-242 / 0	U-C	-3053 / 0
M-K	-242 / 0	J-M	-3053 / 0
U-T	0 / 2009		
T-S	0 / 2218		
S-R	0 / 2218		
R-Q	0 / 3085		
Q-P	0 / 3085		
P-O	0 / 2218		
O-N	0 / 2218		
N-M	0 / 2009		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (1.19")
CALCULATED VERT. DEFL. (LL) = L/999 (0.10")
ALLOWABLE DEFL. (TL) = L/360 (1.19")
CALCULATED VERT. DEFL. (TL) = L/999 (0.30")

CSI: TC=0.65/1.00 (F-H-1), BC=0.65/1.00 (R-T-2),
WB=0.99/1.00 (L-M-1), 6SI=0.25/1.00 (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

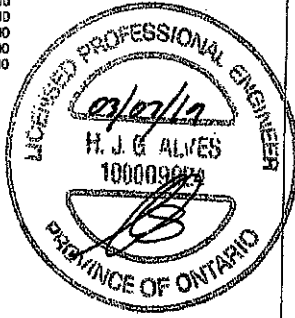
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PS) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

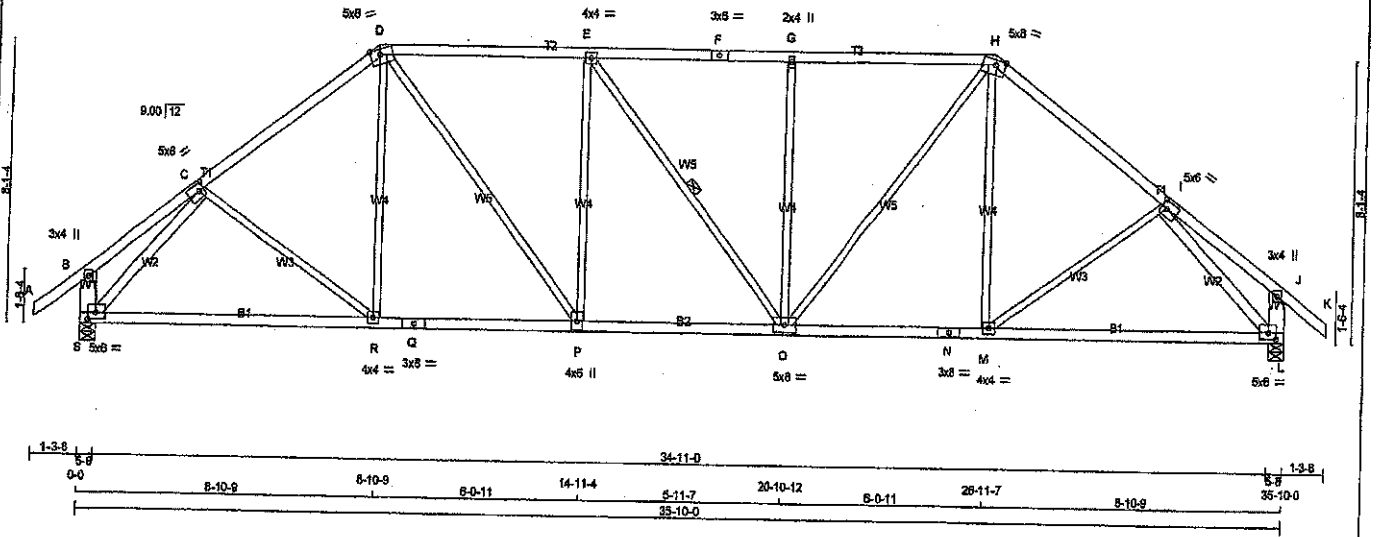
ISI GRIP= 0.90 (M) (INPUT = 0.90)
ISI METAL= 0.76 (J) (INPUT = 1.00)



DRWG NO. TAM 77405739
STRUCTURAL
COMPONENT ONLY

JOB NAME 401706	TRUSS NAME T5	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.230 S Nov 17 2016 Mitek Industries, Inc. Thu Mar 7 08:28:08 2019 Page 1
 ID:EOeHugPduBfr_cwVJO44UGyOdeU-aupetTPVyaGhONmS91F_64P86gvPourJyMxzdNmK
 1-3-8 0-0 3-7-6 3-7-6 5-1-16 5-9-5 5-1-15 14-11-4 5-11-7 20-10-12 5-1-15 27-0-11 5-1-15 32-2-10 3-7-6 35-10-0 1-3-8
 Scale = 1:60.9



LUMBER			
N.L.G.A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
F - H	2x4	DRY	No.2
H - K	2x4	DRY	No.2
S - B	2x6	DRY	No.2
L - J	2x6	DRY	No.2
S - Q	2x4	DRY	No.2
Q - N	2x4	DRY	No.2
N - L	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
S - C	2x4	DRY	No.2
I - L	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)				
JT TYPE	PLATES	W	LEN Y	X
B TMV+p	MT20	3.0	4.0	
C TMVWV-i	MT20	5.0	6.0	2.50 2.00
D TTWWV-m	MT20	5.0	8.0	Edge 3.50
E TMVWV-i	MT20	4.0	4.0	
F TS-i	MT20	3.0	6.0	
G TMVWV-w	MT20	2.0	4.0	
H TTWWV-m	MT20	5.0	8.0	Edge 3.50
I TMVWV-i	MT20	5.0	6.0	2.50 2.00
J TMV+p	MT20	3.0	4.0	
L BMVWV-i	MT20	5.0	6.0	2.25 2.75
M BMVWV-i	MT20	4.0	4.0	
N BS-i	MT20	3.0	8.0	
O BMVWVW-i	MT20	5.0	8.0	
P BMVWVW-i	MT20	4.0	6.0	
Q BS-i	MT20	3.0	8.0	
R BMVWVW-i	MT20	4.0	4.0	
S BMVWVW-i	MT20	5.0	6.0	2.25 2.75

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

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

JT	FACTORED		MAXIMUM FACTORED		INPUT	REQD
	VERT	HORZ	GROSS REACTION	BRG		
S	2660	0	2660	0	5-8	5-8
L	2660	0	2660	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE		MAX/MIN COMPONENT REACTIONS		PERM.LIVE	WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE				
S	1979	1120 / 0	376 / 0	0 / 0	0 / 0	482 / 0	0 / 0	0 / 0
L	1979	1120 / 0	376 / 0	0 / 0	0 / 0	482 / 0	0 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.33 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		WEBS	
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. FACTORED UNBRACED LENGTH FR-TO (FT)	MAX. FACTORED FORCE (LBS)
FR-TO				
A-B	0 / 42	-102.1 -102.1 0.14 (1)	10.00	R-D 0 / 352 0.08 (3)
B-C	0 / 43	-102.1 -102.1 0.35 (1)	10.00	M-H 0 / 353 0.08 (3)
C-D	-2752 / 0	-102.1 -102.1 0.59 (1)	3.70	P-E -671 / 0 0.85 (1)
D-E	-2864 / 0	-102.1 -102.1 0.78 (1)	3.33	O-G -670 / 0 0.85 (1)
E-F	-2863 / 0	-102.1 -102.1 0.77 (1)	3.33	C-R 0 / 178 0.04 (3)
F-G	-2863 / 0	-102.1 -102.1 0.77 (1)	3.33	D-P 0 / 1108 0.25 (1)
G-H	-2863 / 0	-102.1 -102.1 0.77 (1)	3.33	E-O -2 / 0 0.00 (1)
H-I	-2752 / 0	-102.1 -102.1 0.59 (1)	3.70	O-H 0 / 1106 0.25 (1)
I-J	0 / 43	-102.1 -102.1 0.35 (1)	10.00	M-I 0 / 179 0.04 (3)
J-K	0 / 42	-102.1 -102.1 0.14 (1)	10.00	S-C -3082 / 0 0.91 (1)
S-B	-249 / 0	0.0 0.0 0.02 (1)	7.81	I-L -3082 / 0 0.91 (1)
L-J	-249 / 0	0.0 0.0 0.02 (1)	7.81	
S-R	0 / 2083	-38.5 -38.5 0.78 (2)	10.00	
R-Q	0 / 2179	-38.5 -38.5 0.78 (2)	10.00	
Q-P	0 / 2179	-38.5 -38.5 0.78 (2)	10.00	
P-O	0 / 2084	-38.5 -38.5 0.80 (1)	10.00	
O-N	0 / 2179	-38.5 -38.5 0.78 (2)	10.00	
N-M	0 / 2179	-38.5 -38.5 0.78 (2)	10.00	

DESIGN CRITERIA

SPECIFIED LOADS:
 TOP CH. LL = 29.0 PSF
 DL = 6.0 PSF
 BOT CH. LL = 10.5 PSF
 DL = 7.0 PSF
 TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
 - PART 9 OF BCBC 2010, CBC 2012
 - CSA 086-09, CSA 088-14
 - TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.19")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.26")
 ALLOWABLE DEFL.(TL) = L/360 (1.19")
 CALCULATED VERT. DEFL.(TL) = L/981 (0.44")

CSI: TC=0.78/1.00 (D-E-1), BC=0.78/1.00 (M-O-2), WB=0.91/1.00 (L-1), SS=0.28/1.00 (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

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 1855

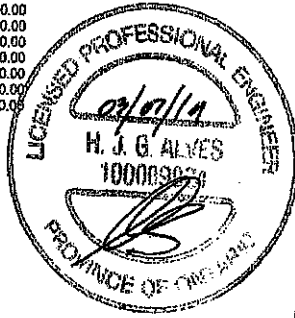
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP=0.90 (I) (INPUT = 0.90)
 JSI METAL=0.99 (C) (INPUT = 1.00)

RECEIVED
 JUN 14 2019

TOWN OF CALEDON
 BUILDING SECTION

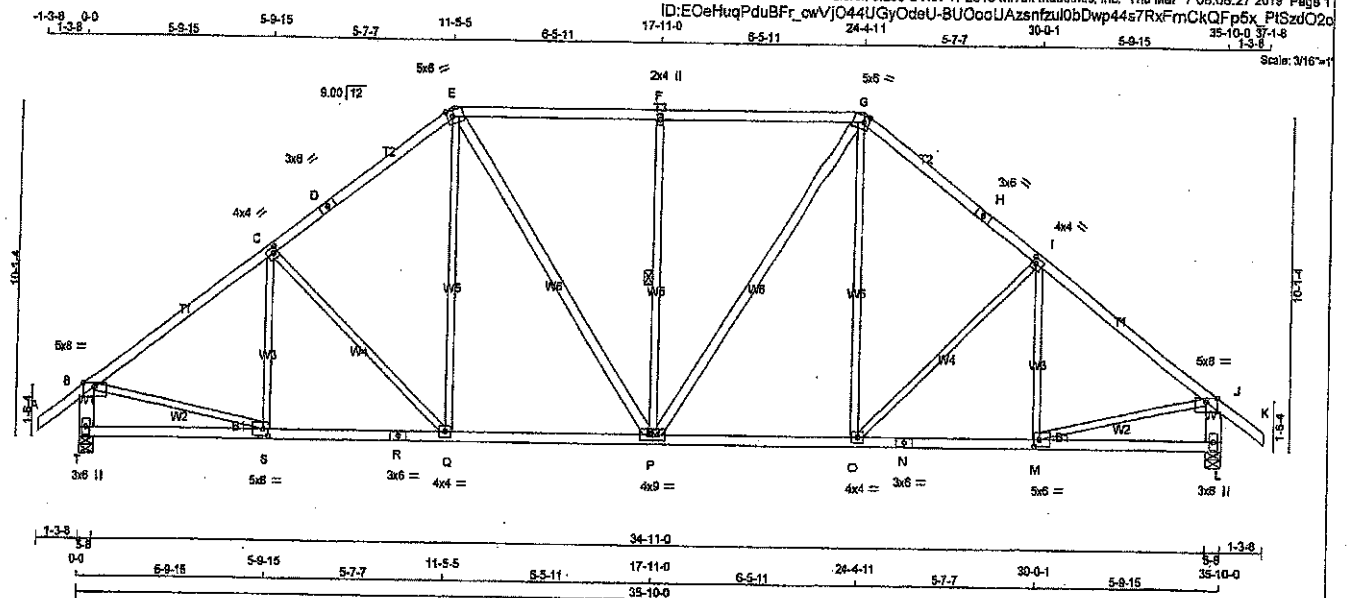


DWG NO. TAM T905140
 STRUCTURAL
 COMPONENT ONLY

DRWG NO.	
----------	--

DWG NO. TAM 77905741
STRUCTURAL
COMPONENT ONLY

JOB NAME 401703	TRUSS NAME T7	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



TOTAL WEIGHT = 2 X 176 = 352 lb
[M/F]

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
G - H	2x4	DRY	No.2
H - K	2x4	DRY	No.2
T - B	2x6	DRY	No.2
L - J	2x6	DRY	No.2
T - R	2x4	DRY	No.2
R - N	2x4	DRY	No.2
N - L	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
E - P	2x4	DRY	No.2
P - G	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW-p	MT20	5.0	8.0	Edge	
C TMWW-t	MT20	4.0	4.0	2.00	1.50
D TS-t	MT20	3.0	6.0		
E TTWW-m	MT20	5.0	6.0	Edge	2.00
F TMVW-p	MT20	2.0	4.0		
G TTWW-m	MT20	5.0	6.0	Edge	2.00
H TS-t	MT20	3.0	6.0		
I TMVW-t	MT20	4.0	4.0	2.00	1.50
J TMVW-p	MT20	5.0	8.0	Edge	
L BMV1-p	MT20	3.0	6.0		
M BMVW-t	MT20	5.0	6.0	2.50	2.00
N BS-t	MT20	3.0	6.0		
O BMWW-t	MT20	4.0	4.0		
P BMWW-t	MT20	4.0	4.0		
Q BMWW-t	MT20	4.0	4.0		
R BS-t	MT20	3.0	6.0		
S BMWW-t	MT20	5.0	6.0	2.50	2.00
T 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	REQD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
T	2880	0	2880	0	5-8
L	2880	0	2880	0	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
T	1979	1120 / 0	376 / 0	0 / 0	0 / 0	482 / 0	0 / 0
L	1979	1120 / 0	376 / 0	0 / 0	0 / 0	482 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.56 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD	LC1 MAX (PLF)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FROM	TO	FR-TO	
A-B	0 / 42	-102.1	-102.1	S-C	-229 / 100
B-C	-2838 / 0	-102.1	-102.1	C-Q	-407 / 0
C-D	-2580 / 0	-102.1	-102.1	Q-E	0 / 529
D-E	-2580 / 0	-102.1	-102.1	E-P	0 / 836
E-F	-2368 / 0	-102.1	-102.1	P-F	-808 / 0
F-G	-2368 / 0	-102.1	-102.1	P-G	0 / 836
G-H	-2580 / 0	-102.1	-102.1	Q-G	0 / 529
H-I	-2580 / 0	-102.1	-102.1	Q-I	-407 / 0
I-J	-2836 / 0	-102.1	-102.1	M-S	-229 / 100
J-K	0 / 42	-102.1	-102.1	S-B	0 / 2350
K-L	-2587 / 0	0.0	0.0	M-J	0 / 2350
L-J	-2587 / 0	0.0	0.0		
T-S	0 / 0	-38.5	-38.5		
S-R	0 / 2302	-38.5	-38.5		
R-Q	0 / 2302	-38.5	-38.5		
Q-P	0 / 2016	-38.5	-38.5		
P-O	0 / 2016	-38.5	-38.5		
O-N	0 / 2302	-38.5	-38.5		
N-M	0 / 2302	-38.5	-38.5		
M-L	0 / 0	-38.5	-38.5		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
ALLOWABLE DEFL.(TL) = L/360 (1.19")
CALCULATED VERT. DEFL.(TL) = L/999 (0.21")

CSI: TC=0.65/1.00 (F-G:1), BC=0.53/1.00 (Q-S:2), WB=0.56/1.00 (F-P:1), SS=0.32/1.00 (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.

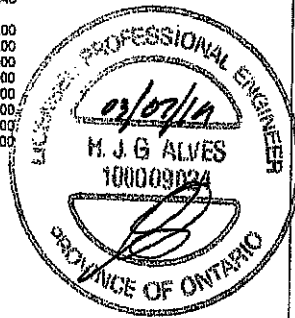
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1555

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.90 (G) (INPUT = 0.90)
JSI METAL= 0.69 (R) (INPUT = 1.00)

RECEIVED
JUN 11 2019
TOWN OF CALEDON
BUILDING SECTION
FILE NO



DWG NO. 1AM 7905742
STRUCTURAL
COMPONENT ONLY

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MITek Industries, Inc. Thu Mar 7 08:29:26 2019 Page 1
ID:guB8GIR_dNo9QyDKo3horvNkSw-gizl PIMcGKQDmZTqv.jbl moBmlJedJ07hISYe zdhltz

Scale = 1:50.8



LUMBER
No.2
No.2
No.2
No.2
No.2
No.2

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

UNFACTORED REACTIONS

ALL WEBSITES

No.2
No.2
No.2

DRY: SEASONED LUMBER.

TOTAL WEIGHT = 2 X 92 = 185 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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 085-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= $L/380$ (0.64")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.08")
ALLOWABLE DEFL.(TL)= $L/380$ (0.64")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.13")

CSI: TC=0.38/1.00 (B-C:1), SC=0.41/1.00 (K-L:2),
WB=0.88/1.00 (E-H:1), SS=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

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	1687	788	1987 1658

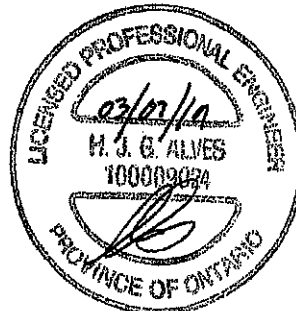
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (I) (INPUT = 0.90)
JSI METAL= 0.39 (E) (INPUT = 1.00)

DWG NO. TAM 7905143
STRUCTURAL
COMPONENT ONLY

RECEIVED
JUN 10 2019
TOWN OF CALEDONIA
BUILDING SECTION
FILE NO. _____

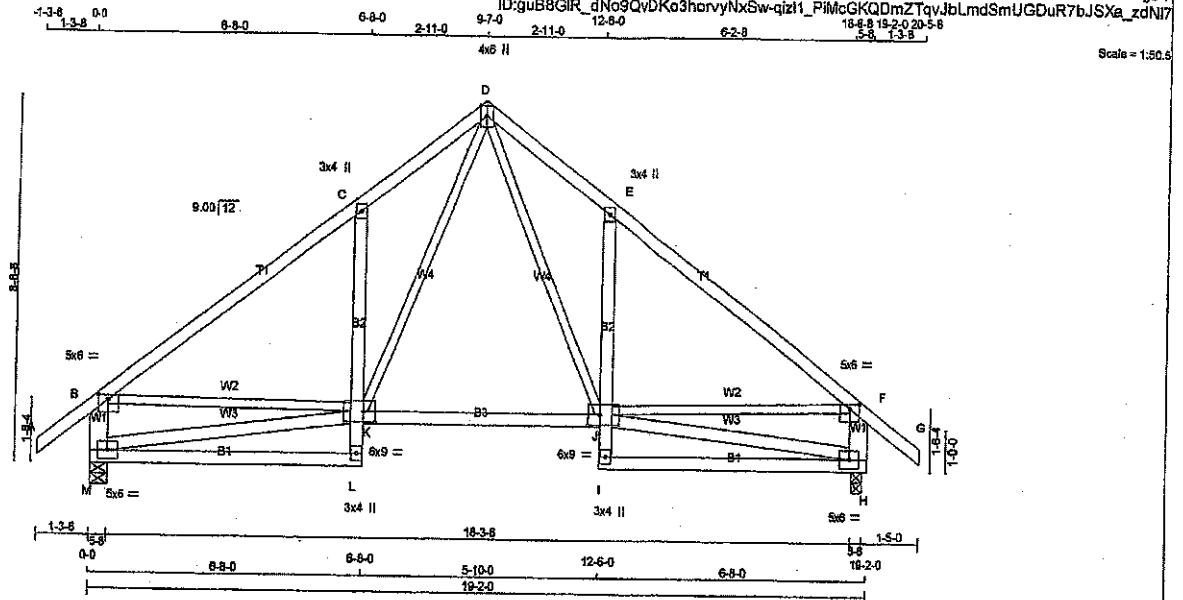


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
401706	T8S1	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Thu Mar 7 08:29:28 2019 Page 1

ID:guB8GIR_dNo9QyDKo3horvNvSw-qiz11_PiMcGKQDMZTqVJbLmdSmUGDuR7bJSXa_zdNI7



Scale = 1:50.5

TOTAL WEIGHT = 2 X 107 = 214 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	
M - B	2x6	DRY	No.2	SPF	
H - F	2x6	DRY	No.2	SPF	
M - L	2x4	DRY	No.2	SPF	
L - C	2x4	DRY	No.2	SPF	
K - J	2x4	DRY	No.2	SPF	
I - E	2x4	DRY	No.2	SPF	
I - H	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					
M - K	2x4	DRY	No.2	SPF	
J - H	2x4	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.25	3.00
C	TMV+p	MT20	3.0	4.0		
D	TTVW+p	MT20	4.0	6.0	Edge	
E	TMV+p	MT20	3.0	4.0		
F	TMVW-p	MT20	5.0	6.0	1.25	3.00
H	BMVW1-t	MT20	5.0	6.0		
I	BMV+p	MT20	3.0	4.0		
J	BMVWWH	MT20	6.0	9.0	3.00	3.50
K	BMVWWH	MT20	6.0	9.0	3.00	3.50
L	BMV+p	MT20	3.0	4.0		
M	BMVW1-t	MT20	5.0	6.0		

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQRD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	HORZ	UP/LIFT
M	1488	0	1488	0
H	1488	0	1488	0

UNFACTORED REACTIONS	1ST LCASE	MAX./MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
M	1104	697 / 0
H	1104	697 / 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 = 4.68 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

CHORDS	MEMB.	MAX. FACTORED	FORCE (LBS)	VERT. LOAD	LC1	MAX. FACTORED	FORCE (LBS)	CS1 (LC)	UNBRAC	WEBS	MEMB.	MAX. FACTORED	FORCE (LBS)	CS1 (LC)
A-B	0 / 42	-102.1	-102.1	0.14 (1)	10.00	D-J	0 / 935	0.21 (1)						
B-C	-1487 / 0	-102.1	-102.1	0.57 (1)	4.68	K-D	0 / 935	0.21 (1)						
C-D	-1582 / 0	-102.1	-102.1	0.42 (1)	4.75	M-K	-16 / 0	0.01 (1)						
D-E	-1582 / 0	-102.1	-102.1	0.42 (1)	4.75	J-H	-16 / 0	0.01 (1)						
E-F	-1487 / 0	-102.1	-102.1	0.57 (1)	4.68	B-K	0 / 1218	0.27 (1)						
F-G	0 / 42	-102.1	-102.1	0.14 (1)	10.00	J-F	0 / 1218	0.27 (1)						
M-B	-1360 / 0	0.0	0.0	0.09 (1)	7.81									
H-F	-1360 / 0	0.0	0.0	0.09 (1)	7.81									
M-L	0 / 16	-38.5	-38.5	0.38 (3)	10.00									
L-K	0 / 160	0.0	0.0	0.04 (2)	10.00									
K-C	-859 / 0	0.0	0.0	0.16 (1)	7.81									
K-J	0 / 850	-38.5	-38.5	0.43 (2)	10.00									
I-J	0 / 160	0.0	0.0	0.04 (2)	10.00									
J-E	-659 / 0	0.0	0.0	0.16 (1)	7.81									
I-H	0 / 16	-38.5	-38.5	0.38 (3)	10.00									

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 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

(55 % OF 37.6 P.S.F. - G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.64")
CALCULATED VERT. DEFL.(LL) = L/999 (0.13")
ALLOWABLE DEFL.(TL) = L/360 (0.64")
CALCULATED VERT. DEFL.(TL) = L/698 (0.22")

CS1: TC=0.57/1.00 (B-C-1), BC=0.43/1.00 (J-K-2), WB=0.27/1.00 (B-K-1), SS=0.24/1.00 (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

AUTOSOLVE HEELS OFF

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

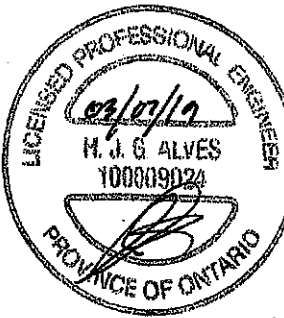
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

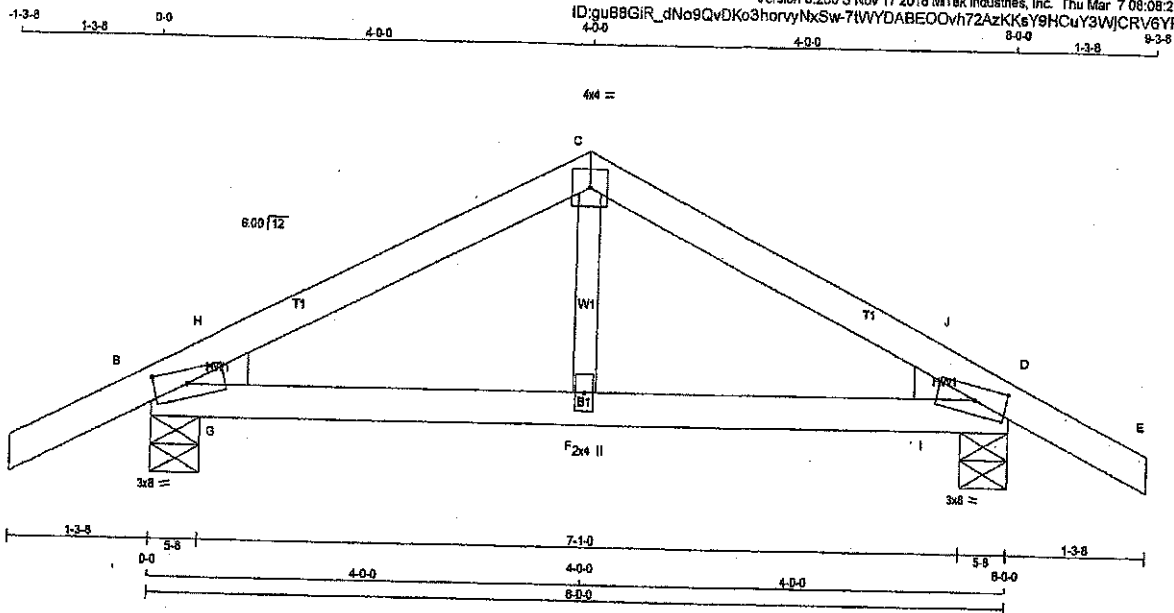
JSI GRIP= 0.88 (J) (INPUT = 0.90)

JSI METAL= 0.35 (F) (INPUT = 1.00)



DWG NO. TAM 19051/44
STRUCTURAL
COMPONENT DRAWING

JOB NAME 401703	TRUSS NAME T9	QUANTITY 1	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.230 S Nov 17 2018 Mtek Industries, Inc. Thu Mar 7 08:08:29 2019 Page 1	



Scale = 1:19.1

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

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B	TMBH1-m	MT20	3.0	6.0	1.50 3.50
C	TTW-p	MT20	4.0	4.0	
D	TMBH1-m	MT20	3.0	6.0	1.50 3.50
F	BMW-w	MT20	2.0	4.0	

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

FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	GROSS REACTION	JT	GROSS REACTION	BRG	BRG	HEEL	WEDGE
B	VERT 701	DOWN 701	UP 0	5-8	5-8	2x4 L	
D	HORIZ 0	HORIZ 0	UP 0	5-8	5-8	2x4 R	

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN COMPONENT REACTIONS	WIND	DEAD	SOIL
B	COMBINED	SNOW LIVE PERM LIVE	0/0	120/0	0/0
D	COMBINED	SNOW LIVE PERM LIVE	0/0	120/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	0/25	F-C	0/269
B-H	-883/0	G-H	-132/57
H-C	-647/0	I-J	-132/57
C-J	-647/0		
J-D	-883/0		
D-E	0/25		
B-G	0/575		
G-F	0/575		
F-I	0/575		
I-D	0/575		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. OC

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, CBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.27")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.27")
CALCULATED VERT. DEFL.(TL) = L/999 (0.02")

CS: TC=0.20/1.00 (C-J-1), BC=0.27/1.00 (F-G-1), WB=0.07/1.00 (C-F-2), SS=0.14/1.00 (C-H-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

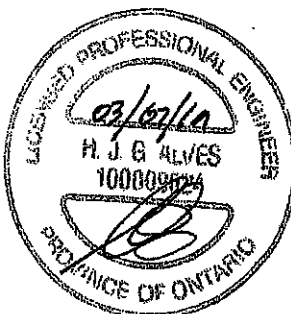
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1867 768 1867 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.30 (C) (INPUT = 0.90)
JSI METAL= 0.13 (D) (INPUT = 1.00)

RECEIVED
JUN 14 2019
TOWN OF CALEDON
FILE NO. 18



DWG NO. TAM **T1905145**
STRUCTURAL
COMPONENT ON: y

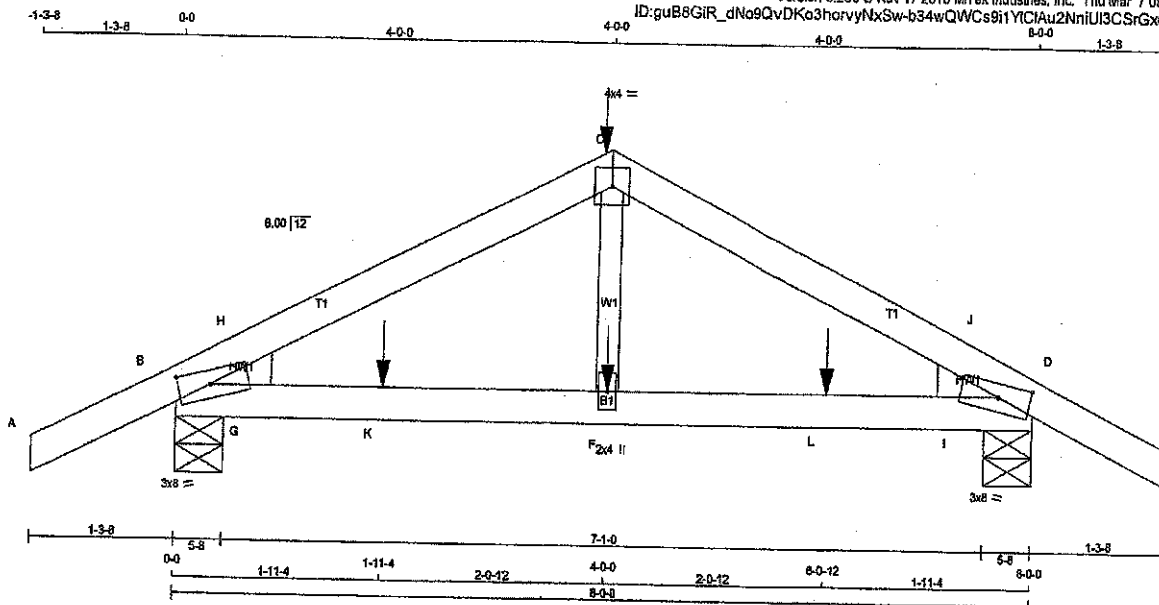
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
401703	T9Z	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MITek Industries, Inc. Thu Mar 7 08:08:30 2019 Page 1

ID: guB8GIR_dNo9QvDKo3horvyNxSw-b34wQWCS9i1YICIAu2NniUI3CSrGxuYGnvCSUnzdO2l

Scale = 1:19.1



TOTAL WEIGHT = 26 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
B - D	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
DRY: SEASONED LUMBER.				

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMBH1-m	MT20	3.0	8.0	1.50	3.50
C	TTW-p	MT20	4.0	4.0		
D	TMBH1-m	MT20	3.0	8.0	1.50	3.50
F	BMW-w	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG	HEEL
B	939	939	5-8	5-8	2x4 L
D	939	939	5-8	5-8	2x4 R

UNFACTORED REACTIONS

JT	1ST LCASE	MAX./MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
B	939	411 / 0	0 / 0	185 / 0	0 / 0
D	939	411 / 0	0 / 0	185 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.73 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)
A-B	0 / 25	-102.1	-102.1	0.15 (1)	10.00	F-C	0 / 319	0.08 (2)	
B-H	-1185 / 0	-102.1	-102.1	0.08 (1)	5.73	G-H	-80 / 92	0.00 (1)	
H-C	-1113 / 0	-102.1	-102.1	0.20 (1)	5.73	I-J	-80 / 92	0.00 (1)	
C-J	-1113 / 0	-102.1	-102.1	0.20 (1)	5.73				
J-D	-1185 / 0	-102.1	-102.1	0.08 (1)	5.73				
D-E	0 / 25	-102.1	-102.1	0.15 (1)	10.00				
B-G	0 / 991	-38.5	-38.5	0.28 (1)	10.00				
G-K	0 / 991	-38.5	-38.5	0.31 (1)	10.00				
K-F	0 / 991	-38.5	-38.5	0.31 (1)	10.00				
F-L	0 / 991	-38.5	-38.5	0.31 (1)	10.00				
L-I	0 / 991	-38.5	-38.5	0.31 (1)	10.00				
I-D	0 / 991	-38.5	-38.5	0.28 (1)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	4-0-0	-377	-377		BACK	VERT	TOTAL		
F	4-0-0	-60	-60		BACK	VERT	TOTAL		
K	1-11-4	-19	-23		BACK	VERT	TOTAL		
L	6-0-12	-19	-23		BACK	VERT	TOTAL		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55% OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.27")
CALCULATED VERT. DEFL.(LL) = L/989 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.27")
CALCULATED VERT. DEFL.(TL) = L/989 (0.03")

CSL TC=0.20/1.00 (C-J:1), BC=0.31/1.00 (F-G:1),
WB=0.08/1.00 (C-F:2), SS=0.14/1.00 (C-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

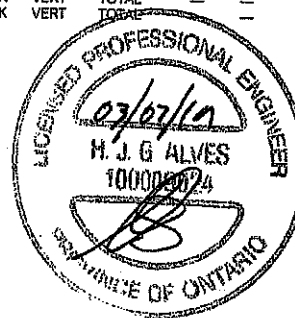
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES	PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)	(PLI)
MAX	MIN	MAX	MIN	MAX
618	354	1687	788	1987

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.46 (D) (INPUT = 0.90)
JSI METAL= 0.21 (B) (INPUT = 1.00)



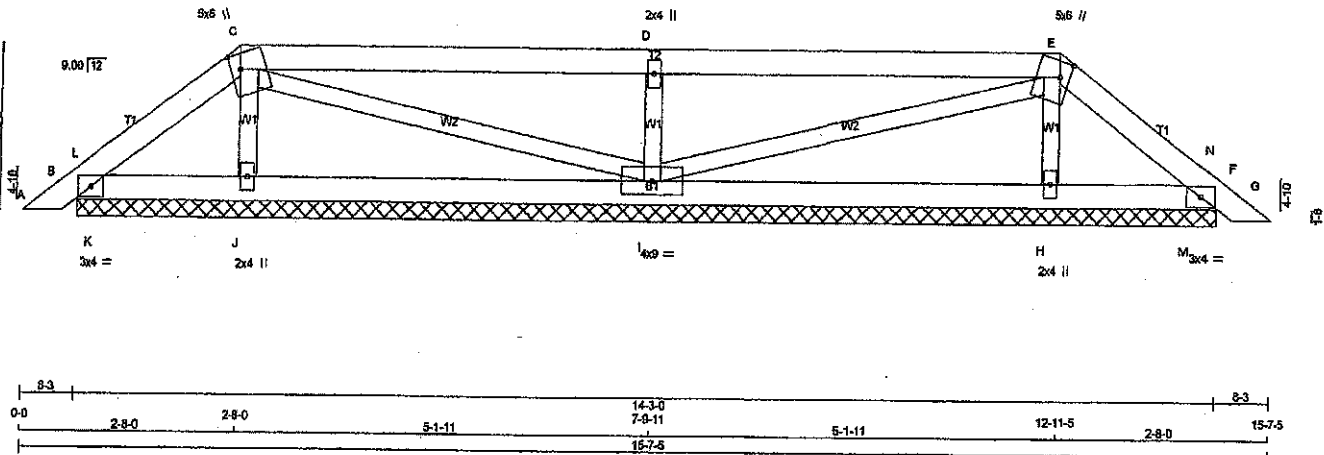
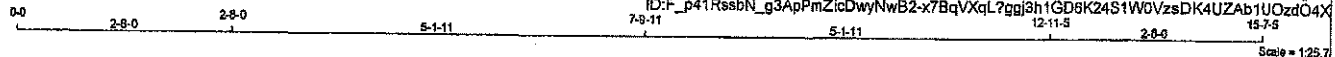
DRWG NO. T9Z05146
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
401703	PB1	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Thu Mar 7 08:08:36 2019 Page 1

ID: F_p41RssbN_g3ApMzicDwyNwB2-x7BqVXqL7ggj3h1GD6K24S1W0VzsDK4UZAb1UOzdO4X



TOTAL WEIGHT = 2 X 47 = 94 lb

LUMBER

N.L.G.A. RULES

CHORDS SIZE

A - C 2x4 DRY

C - R 2x4 DRY

E - G 2x4 DRY

B - F 2x4 DRY

ALL WEBS 2x3 DRY

DRY: SEASONED LUMBER.

LUMBER

No.2

No.2

No.2

No.2

No.2

No.2

No.2

DESCR.

SPF

SPF

SPF

SPF

SPF

SPF

SPF

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

BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
B	209	0	209	0
F	209	0	209	0
J	418	0	418	0
I	872	0	872	0
H	418	0	418	0

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
B	145	113/0	5/0	0/0	0/0	0/0	27/0	0/0
F	145	113/0	5/0	0/0	0/0	0/0	27/0	0/0
J	323	148/0	88/0	0/0	0/0	0/0	89/0	0/0
I	644	379/0	112/0	0/0	0/0	0/0	153/0	0/0
H	323	148/0	88/0	0/0	0/0	0/0	89/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED LC1 (LC)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED LC1 (LC)
FR-TO					FR-TO			
A-B	0/17	-102.1	-102.1	0.03 (1)	J-C	-233/0	0.03 (1)	
B-L	-28/12	-102.1	-102.1	0.02 (1)	C-I	-24/0	0.01 (1)	
L-C	-85/0	-102.1	-102.1	0.04 (1)	I-E	-24/0	0.01 (1)	
C-D	-8/0	-102.1	-102.1	0.46 (1)	E-H	-233/0	0.03 (1)	
D-E	-8/0	-102.1	-102.1	0.46 (1)	H-M	-155/0	0.00 (1)	
E-N	-85/0	-102.1	-102.1	0.04 (1)	M-N	-155/0	0.00 (1)	
N-F	-28/12	-102.1	-102.1	0.02 (1)				
F-G	0/17	-102.1	-102.1	0.03 (1)				
B-K	0/17	-38.5	-38.5	0.06 (1)				
K-J	0/17	-38.5	-38.5	0.12 (2)				
J-I	0/32	-38.5	-38.5	0.17 (3)				
I-H	0/32	-38.5	-38.5	0.17 (3)				
H-M	0/17	-38.5	-38.5	0.12 (2)				
M-F	0/17	-38.5	-38.5	0.06 (1)				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 28.0 PSF

DL = 6.0 PSF

BOT CH. LL = 10.5 PSF

DL = 7.0 PSF

TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2010, CBC 2012

- CSA 086-09, CSA 088-14

- TPIC 2011, TPIC 2014

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CS: TC=0.46/1.00 (C-D:1), BC=0.17/1.00 (H-I:3),

WB=0.10/1.00 (D-I:1), SS=0.26/1.00 (C-D:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 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

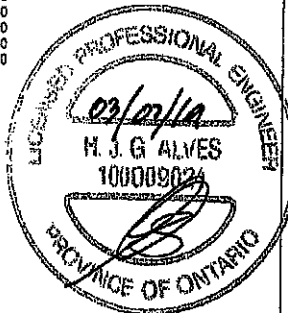
MT20 610 354 1667 788 1987 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.34 (D) (INPUT = 0.80)

JSI METAL= 0.14 (D) (INPUT = 1.00)



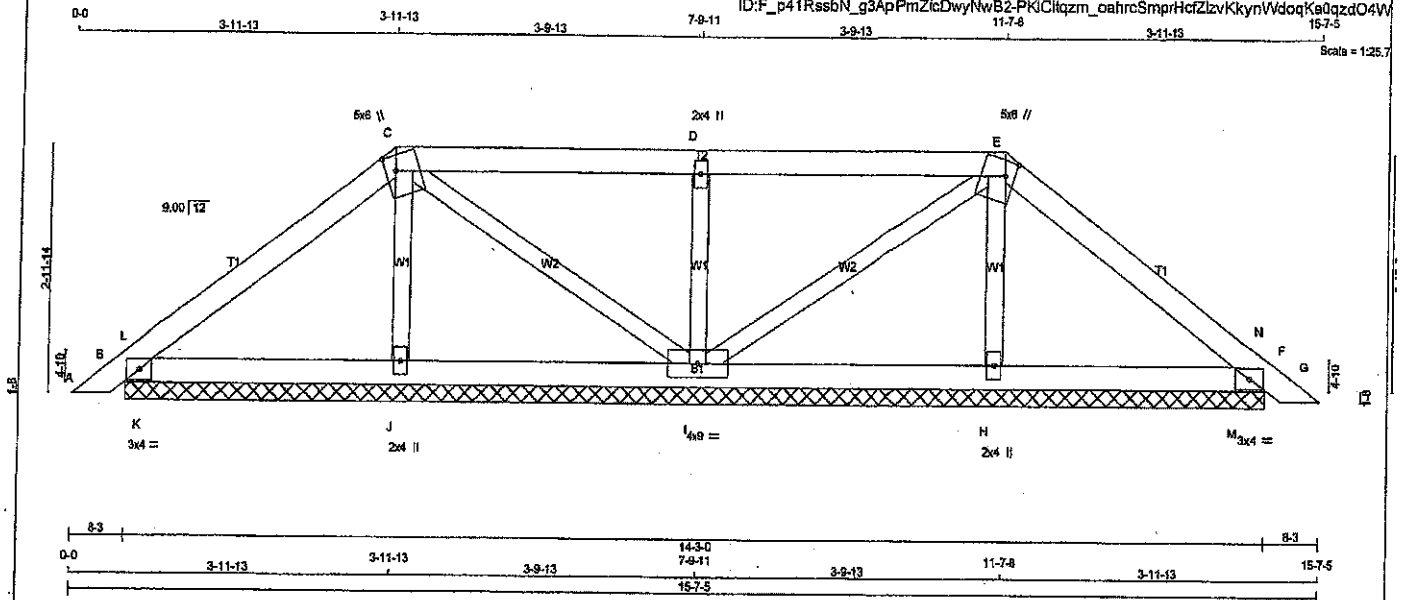
DWG NO. TAM 17205747
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
401703	PB2	1	1	GREENPARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

Version 8.230 S Nov 17 2016 MITek Industries, Inc. Thu Mar 7 08:06:37 2019 Page 1

ID: F_p41RssbN_g3ApPmZlcDwyNwB2-PKICltqzm_oahrcSmprHcfZlvKkynWdoqKa0qzdO4Vv

Scale = 1:25.7



TOTAL WEIGHT = 49 lb

LUMBER

N. L. G. A. RULES

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

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

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

BUILDING DESIGNER

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	UP/LIFT		
B	343	0	343	0	14-3-0	14-3-0
F	343	0	343	0	14-3-0	14-3-0
J	378	0	378	0	14-3-0	14-3-0
I	683	0	683	0	14-3-0	14-3-0
H	378	0	378	0	14-3-0	14-3-0

UNFACTORED REACTIONS

JT	COMBINED	1ST LOASE		MAX/MIN. COMPONENT REACTIONS			
		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
B	248	162/0	32/0	0/0	0/0	55/0	0/0
F	248	162/0	32/0	0/0	0/0	55/0	0/0
J	292	133/0	78/0	0/0	0/0	80/0	0/0
I	501	308/0	79/0	0/0	0/0	116/0	0/0
H	292	133/0	78/0	0/0	0/0	80/0	0/0

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

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1		MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
		FROM	TO				
FR-TO							
A-B	0/17	-102.1	-102.1	10.00	J-C	-187/0	0.03 (1)
B-L	-83/0	-102.1	-102.1	8.25	C-I	-68/0	0.02 (1)
L-C	-118/0	-102.1	-102.1	8.25	I-D	-488/0	0.08 (1)
C-D	-24/0	-102.1	-102.1	8.25	D-E	-68/0	0.02 (1)
D-E	-24/0	-102.1	-102.1	8.25	E-H	-187/0	0.03 (1)
E-N	-116/0	-102.1	-102.1	8.25	H-L	-279/30	0.00 (1)
N-F	-83/0	-102.1	-102.1	8.25	M-N	-279/30	0.00 (1)
F-G	0/17	-102.1	-102.1	10.00			
B-K	0/88	-38.5	-38.5	0.12 (1)			10.00
K-J	0/88	-38.5	-38.5	0.13 (1)			10.00
J-I	0/80	-38.5	-38.5	0.11 (2)			10.00
I-H	0/80	-38.5	-38.5	0.11 (2)			10.00
H-M	0/88	-38.5	-38.5	0.13 (1)			10.00
M-F	0/88	-38.5	-38.5	0.12 (1)			10.00

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF

DL = 8.0 PSF

BOT CH. LL = 10.5 PSF

DL = 7.0 PSF

TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012
- CSA 086-08, CSA 088-14
- TPIC 2011, TPIC 2014

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.25/1.00 (C-D:1), BC=0.13/1.00 (J-K:1), WB=0.08/1.00 (D-I:1), SS=0.24/1.00 (F-M:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

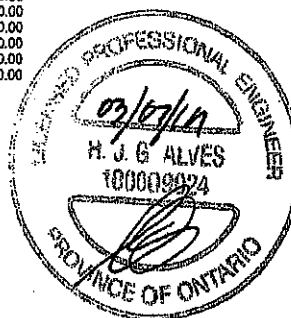
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	818	354
	1667	788
	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

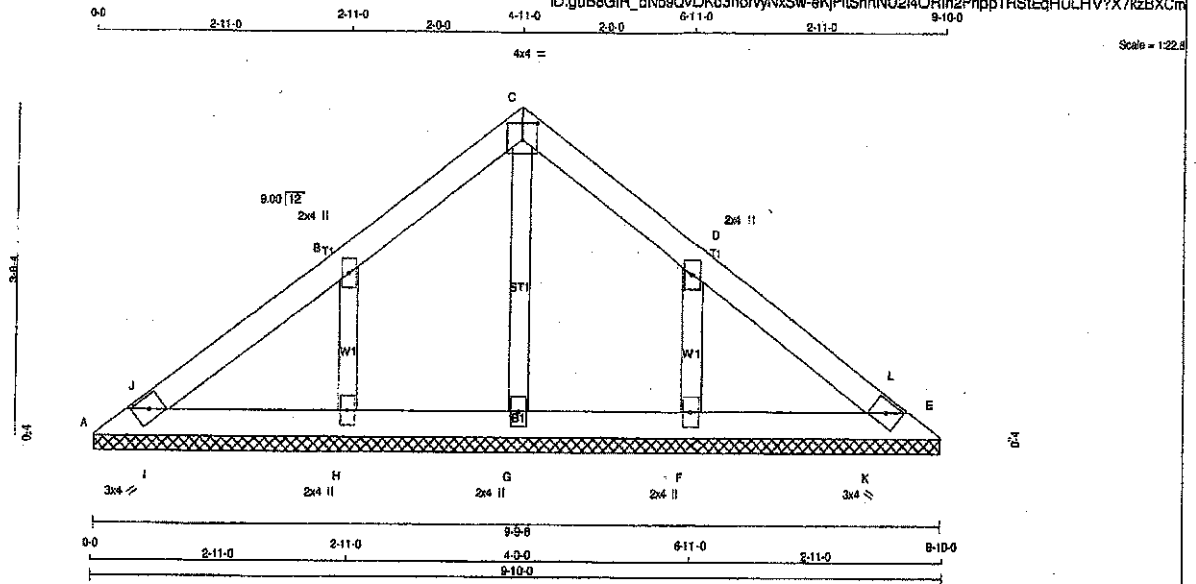
JSI GRIP= 0.28 (B) (INPUT = 0.90)
JSI METAL= 0.10 (D) (INPUT = 1.00)



DRWG NO. T&M 17905148
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
403616	V30	1	1	GREENPARK HOMES	
Tamarack Roof Truss, Burlington					

Version 8.300 S May 10 2019 MTEK Industries, Inc. Wed May 29 21:37:17 2019 Page 1
ID:guB8GIR_dN59QvDKa3horvyNkSw-ekPiShrNU2i4QRih2Pnpp1RStEqHULHV?X7kzBXCr



TOTAL WEIGHT = 29 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
A - E	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
DRY: SEASONED LUMBER				

PLATES (Table 16 in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TBM1-h	MT20	3.0	4.0		
B	TBM1-w	MT20	2.0	4.0		
C	TTW-d	MT20	4.0	4.0	2.25	2.00
D	TBM1-w	MT20	2.0	4.0		
E	TBM1-h	MT20	3.0	4.0		
F, G, H	BMW1-w	MT20	2.0	4.0		

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	HORZ	UP/LIFT	IN-SX	IN-SX	BRG
A	132	0	132	0	0	9-9-6	9-9-6	9-9-6	
E	132	0	132	0	0	9-9-6	9-9-6	9-9-6	
G	268	0	268	0	0	9-9-6	9-9-6	9-9-6	
H	421	0	421	0	0	9-9-6	9-9-6	9-9-6	
F	421	0	421	0	0	9-9-6	9-9-6	9-9-6	

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
A	98	57/0	17/0	0/0	0/0	23/0	0/0
E	98	57/0	17/0	0/0	0/0	23/0	0/0
G	204	100/0	59/0	0/0	0/0	54/0	0/0
H	314	176/0	61/0	0/0	0/0	77/0	0/0
F	314	176/0	61/0	0/0	0/0	77/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	MAX. LC1	MAX. UNBRAC	MEMB.	FORCE (LBS)	MAX. LC1
FR-TO		FROM	TO	LENGTH	FR-TO		
A-J	0/35	-102.1	-102.1	0.04 (2)	G-C	-235/0	0.05 (1)
J-B	0/81	-102.1	-102.1	0.10 (1)	H-D	-278/0	0.04 (1)
B-C	0/53	-102.1	-102.1	0.10 (1)	F-D	-278/0	0.04 (1)
C-D	0/53	-102.1	-102.1	0.10 (1)	I-J	-60/23	0.00 (1)
D-L	0/81	-102.1	-102.1	0.10 (1)	K-L	-60/23	0.00 (1)
L-E	0/35	-102.1	-102.1	0.04 (2)			
A-I	-58/0	-38.5	-38.5	0.08 (1)			
I-H	-44/0	-38.5	-38.5	0.08 (1)			
H-G	-57/0	-38.5	-38.5	0.06 (2)			
G-F	-57/0	-38.5	-38.5	0.06 (2)			
F-K	-44/0	-38.5	-38.5	0.06 (1)			
K-E	-58/0	-38.5	-38.5	0.08 (1)			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	28.0	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD	=	52.5	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 2015, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSK: TC=0.10/1.00 (D-L:1), BC=0.08/1.00 (F-K:1), WB=0.05/1.00 (C-G:1), SSI=0.03/1.00 (D-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

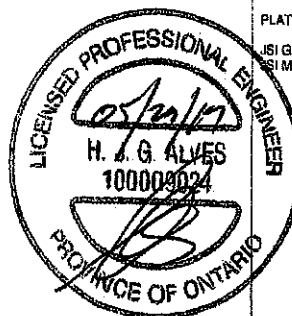
PLATE	GRIP (DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MT20	618	354	1667

MT20 618 354 1667 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

ISI GRIP = 0.21 (C) (INPUT = 0.90)
ISI METAL = 0.15 (B) (INPUT = 1.00)



Structural component only
DWG# T-1913871

Tamarack Roof Truss, Burlington

Version 8.300 8 May 10 2019 MTek Industries, Inc. Wed May 29 21:37:18 2019 Page 1
ID:guB8GIR_dNo9QvDKo3horvyNxSw-6WHnyDTJYhcvKEzdrPZgKOMAesCBZj4UW9I4AzBXC|

Scale = 1:17.7



<u>PLATES (table is in inches)</u>						
JT	TYPE	PLATES	W	LEN	Y	X
A	TBM1-h	MT20	3.0	4.0		
B	TTW-p	MT20	4.0	4.0	2.25	2.00
C	TBM1-h	MT20	3.0	4.0		
D	BMW1+w	MT20	2.0	4.0		

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
A	90	0	90	0	0	7-1-6	7-1-6
C	90	0	90	0	0	7-1-6	7-1-6
D	921	0	921	0	0	7-1-6	7-1-6

UT	COMBINED	SNOW	LIVE	PERMLIVE	WIND	DEAD	SOIL
A	67	38/0	12/0	0/0	0/0	16/0	0/0
C	87	38/0	12/0	0/0	0/0	16/0	0/0
D	814	337/0	125/0	0/0	0/0	153/0	0/0

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

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (L.C)	MAX. UNSRAC	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CS1 (L.C)		
FR-TO		FROM TO		LENGTH	FR-TO				
A-F	0/234	-102.1 -102.1	0.08 (1)	10.00	D-B	-569 / 0	0.08 (1)		
F-B	0/234	-102.1 -102.1	0.17 (1)	10.00	E-A	-172 / 14	0.00 (1)		
B-H	0/234	-102.1 -102.1	0.17 (1)	10.00	G-H	-172 / 14	0.00 (1)		
H-C	0/234	-102.1 -102.1	0.08 (1)	10.00					

A-E	-226/0	-38.5	-38.5	0.13 (1)	6.25
E-D	-196/0	-38.5	-38.5	0.15 (1)	8.25
D-G	-196/0	-38.5	-38.5	0.15 (1)	6.25
G-C	-226/0	-38.5	-38.5	0.13 (1)	6.25

SPECIFIED LOADS:

TOP CH.	LL =	29.0	PSF
	DL =	6.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD =		52.5	PSF

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.17/1.00 (B-H:1) , BC=0.15/1.00 (D-G:1) ,
WB=0.09/1.00 (B-D:1) , SSI=0.11/1.00 (C-G:1)

DOZ LUMBER=1.00 NAIL=1.00 LB BEND=1.10
COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 1.00

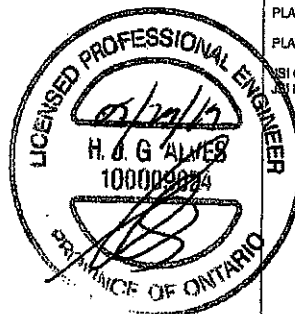
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .

PLATE	GRIP(DRY)		SHEAR		SECTION	
	(PSI)	(PSI)	(PLI)	(PLI)	(PLI)	(PLI)
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	818	354	1667	788	1987	1656

PLATE PLACEMENT TOL = 0.250 inches

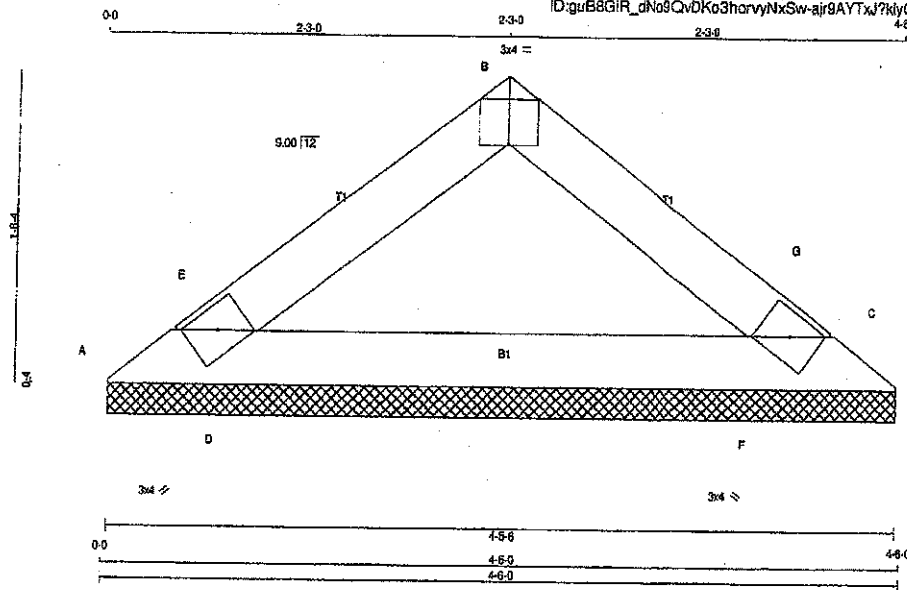
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.51 (B) (INPUT = 0.90)
JSI METAL= 0.16 (B) (INPUT = 1.00)



Structural component only
DWG# T-1913872

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
403616	V32	1	1	GREENPARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.300 S May 10 2019 MTek Industries, Inc. Wed May 28 21:37:19 2019 Page 1	



Scale = 1:11.1

TOTAL WEIGHT = 10 lb

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TBM1-h	MT20	3.0	4.0	Edge	2.00
B	TT-p	MT20	3.0	4.0		
C	TBM1-h	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

BUILDING DESIGNER		BUILDING NAME						BUILDING NO.	
BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	RECORD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SK	IN-SK		
A	313	0	313	0	0	4-5-6	4-5-6		
C	313	0	313	0	0	4-5-6	4-5-6		

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM	LIVE	WIND	DEAD	SOIL
A	234	129 / 0	47 / 0	0 / 0	0 / 0	58 / 0	0 / 0	0 / 0
C	234	129 / 0	47 / 0	0 / 0	0 / 0	58 / 0	0 / 0	0 / 0

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

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	LO1	MAX	MAX	MEMB.	MAX. FACTORED	FORCE	MAX
MEMB.	FORCE	(LBS)	VERT.	LOAD	LO1	MAX	MEMB.	MAX. FACTORED	FORCE	MAX
FR-TO	FROM	TO	FROM	TO	LENGTH	FR-TO	MEMB.	MAX. FACTORED	FORCE	MAX
A-E	-284 / 0	-102.1	-102.1	0.15 (1)	6.25	D-E	0 / 106	0.00 (1)		
E-B	-205 / 0	-102.1	-102.1	0.15 (1)	6.25	F-G	0 / 106	0.00 (1)		
B-G	-205 / 0	-102.1	-102.1	0.15 (1)	6.25					
G-C	-284 / 0	-102.1	-102.1	0.15 (1)	6.25					
A-D	0 / 183	-38.5	-38.5	0.08 (1)	10.00					
D-F	0 / 159	-38.5	-38.5	0.14 (1)	10.00					
F-C	0 / 183	-38.5	-38.5	0.08 (1)	10.00					

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24" 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 NBCC 2015, CBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 37.6 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.15/1.00 (C-G-1), BC=0.14/1.00 (D-F-1), WB=0.00/1.00 (D-E-1), SS=0.13/1.00 (A-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) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1987 788 1987 1858

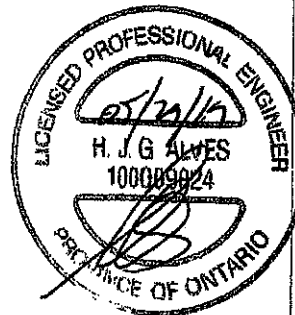
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.16 (A) (INPUT = 0.80)
JSI METAL = 0.09 (A) (INPUT = 1.00)

RECEIVED
JUN 14 2019

TOWN OF SALEDON
FILE NO. SECTION



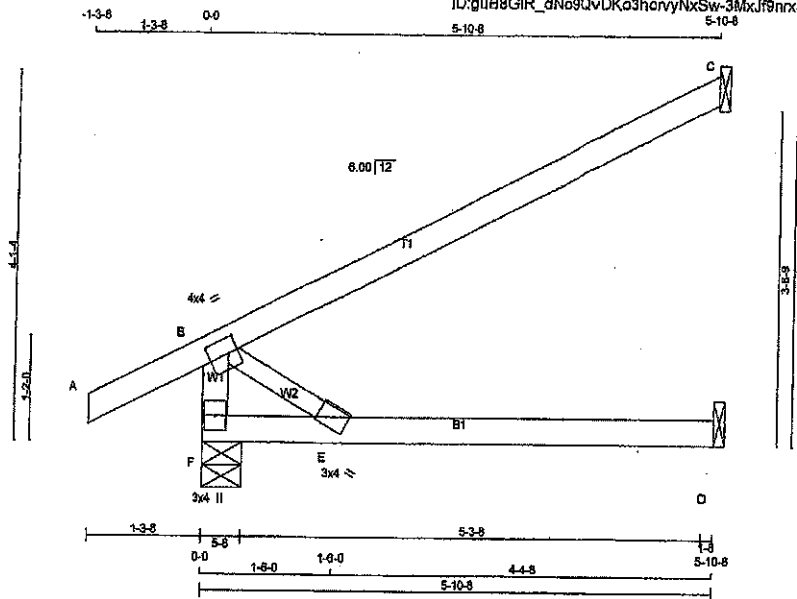
Structural component only
DWG# T-1913873

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
401703	J1	25	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Thu Mar 7 08:06:32 2019 Page 1
ID:guB8GIR_dNo9QvDKo3hcnvNvSw-3MxJf9nrxS9Hb3JU_GF8vcsouuahHXaufYdpt.dzdO4b

Scale = 1:23.6



TOTAL WEIGHT = 25 X 18 = 452 lb

LUMBER	N.L.G.A. RULES	CHORDS	SIZE	LUMBER	DESCR.
F - B	2x4	DRY	No.2	SPF	
A - C	2x4	DRY	No.2	SPF	
F - D	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	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	RECORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
F	552	0	552	0
C	300	0	300	0
D	113	0	144	0

SEE MITEK STANDARD DETAIL B37824H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN	COMPONENT REACTIONS	PERM	LIVE	WIND	DEAD	SOIL
JT	COMBINED	SNOW	LIVE	PERM	LIVE	WIND	DEAD
F	404	249 / 0	62 / 0	0 / 0	0 / 0	88 / 0	0 / 0
C	208	171 / 0	0 / 0	0 / 0	0 / 0	35 / 0	0 / 0
D	103	0 / 0	62 / 0	0 / 0	0 / 0	41 / 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 = 10.00 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (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. CSI (LC)
FR-TO		FROM TO			FR-TO		
F-B	-438 / 0	0.0	0.0	0.04 (1)	7.81	B-E	0 / 0
A-B	0 / 31	-102.1	-102.1	0.13 (1)	10.00		0.00 (1)
B-C	0 / 0	-102.1	-102.1	0.60 (1)	10.00		
F-E	0 / 0	-38.5	-38.5	0.24 (3)	10.00		
E-D	0 / 0	-38.5	-38.5	0.31 (3)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 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 NBCC 2010, NBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/925 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/655 (0.13")

CSI: TC=0.60/1.00 (B-C:1), BC=0.31/1.00 (D-E:3), WB=0.00/1.00 (B-E: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 RIGHT HEEL ONLY

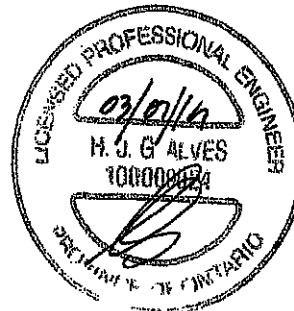
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 789 1987 1856

PLATE PLACEMENT TOL = 0.250 Inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.27 (B) (INPUT = 0.60)
JSI METAL= 0.07 (B) (INPUT = 1.00)



RECEIVED
JUN 10 2019

TOWN OF SALEM
BUILDING SECTION
FILE NO.

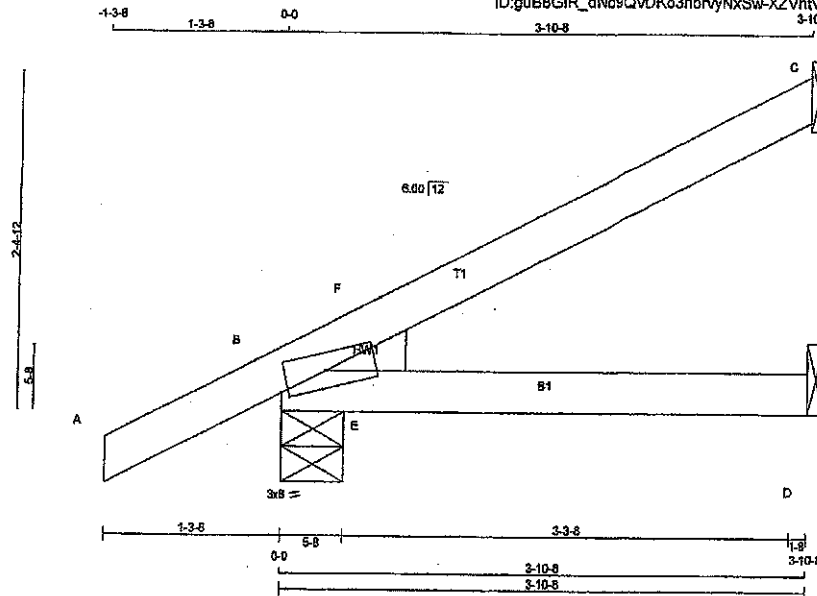
DRWG NO. TAM 77905154
STRUCTURAL
CONSTRUCTION ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
401703	J2	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.230 5 Nov 17 2016 Mitek Industries, Inc. Thu Mar 7 08:06:33 2016 Page 1
ID:guB8GIR_dNo9QvDKo3horvyNxSw-XZVhtVnTtH8CDHxznLSpP3rmy40_q1tCMMi3zdQ4a

Scale = 1:15.1



TOTAL WEIGHT = 12 lb

LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - C 2x4 DRY

B - D 2x4 DRY

DRY: SEASONED LUMBER.

LUMBER

No.2

DESCR.

SPF

SPF

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG	HEEL WEDGE
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
C	174	0	174	0	0
B	411	0	411	0	0
D	99	0	105	0	0

SEE MITEK STANDARD DETAIL B37821H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

	1ST LCASE	MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	122	82/0	7/0	0/0	0/0	23/0	0/0
B	289	191/0	41/0	0/0	0/0	67/0	0/0
D	82	21/0	34/0	0/0	0/0	27/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

	CHORDS					WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX (LC)	UNBRACED LENGTH	FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
A-B	0/25	-102.1	-102.1	0.13 (1)	10.00	E-F	-137/67	0.00 (1)	
B-F	-41/0	-102.1	-102.1	0.07 (3)	8.25				
F-C	0/7	-102.1	-102.1	0.20 (1)	10.00				
B-E	0/0	-38.5	-38.5	0.16 (1)	10.00				
E-D	0/0	-38.5	-38.5	0.17 (1)	10.00				

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 28.0 PSF

DL = 8.0 PSF

BOT CH. LL = 10.5 PSF

DL = 7.0 PSF

TOTAL LOAD = 52.5 PSF

SPACING = 240 IN. G.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 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.5 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.02")
ALLOWABLE DEFL.(TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.04")

CSI: TC=0.20/1.00 (C-F:1), BC=0.17/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SS=0.15/1.00 (B-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 (PSI)	SECTION (PLI)
MAX	MIN	MAX
MT20	618	354
	1867	788
	1987	1658

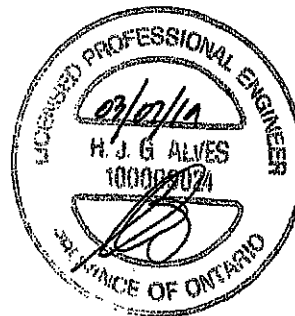
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.14 (B) (INPUT = 0.90)
JSI METAL= 0.03 (B) (INPUT = 1.00)

RECEIVED
JUN 14 2019

TOWN OF CALEDON
BUILDING SECTION
FILE NO.

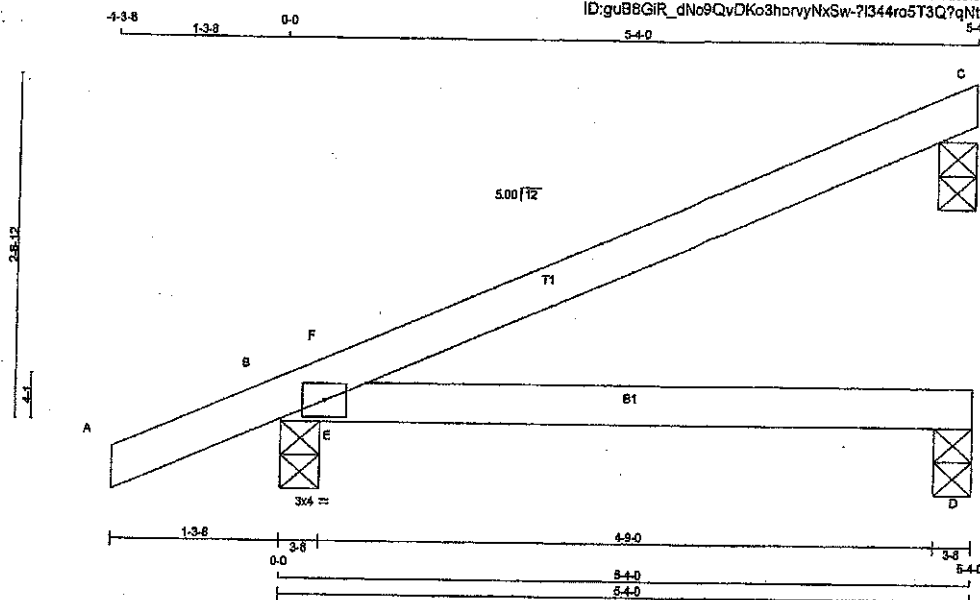


DWG NO. 1705155
STRUCTURAL
COMPONENT ONLY

JOB NAME 401703	TRUSS NAME J3	QUANTITY 6	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Thu Mar 7 08:08:34 2019 Page 1
ID:guB8GIR_dNo9QvDKo3horyNkSw-71344ro5T3Q?gNtt5hla71xBQIGKIR3B6s6wPVzdO4Z

Scale = 1:15.8



TOTAL WEIGHT = 6 X 14 = 86 lb

LUMBER

N. L. G. A. RULES
CHORDS SIZE
A - C 2x4
B - D 2x4

LUMBER
No.2
No.2

DESCR.
SPF
SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE PLATES W LEN Y X
S TMB11 MT20 3.0 4.0

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ
B	513	0	513	0
D	130	0	142	0
C	245	0	245	0

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): C

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE			
B	375	233 / 0	58 / 0	0 / 0	88 / 0	0 / 0
D	109	24 / 0	48 / 0	0 / 0	37 / 0	0 / 0
C	171	131 / 0	8 / 0	0 / 0	32 / 0	0 / 0

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

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 HORZ. LOAD (PLF)	MAX. CS (LC)	MAX. UNBRACED LENGTH	WEBS MAX. FACTORED FORCE (LBS)	MAX. CS (LC)
FR-TO							
A-B	0 / 25	-102.1	-102.1	0.13 (1)	10.00	E-F	-302 / 137
B-F	-70 / 12	-102.1	-102.1	0.11 (3)	6.25		0.00 (1)
F-C	-1 / 8	-102.1	-102.1	0.40 (1)	10.00		
B-E	0 / 0	-38.5	-38.5	0.24 (1)	10.00		
E-D	0 / 0	-39.5	-39.5	0.30 (1)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 088-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 37.5 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/380$ (0.19")
CALCULATED VERT. DEFL. (LL) = $L/911$ (0.07")
ALLOWABLE DEFL. (TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL. (TL) = $L/527$ (0.12")

CSI: TC=0.40/1.00 (C-F:1), BC=0.30/1.00 (D-E:1),
WB=0.00/1.00 (E-F:1), SS=0.29/1.00 (B-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.

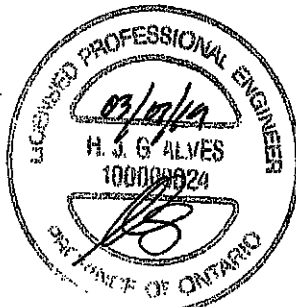
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.33 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)



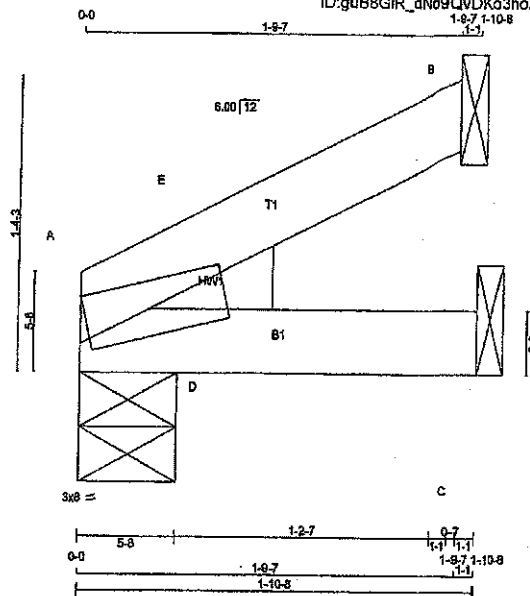
DRWG NO. TAM 7795752
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK HOMES	DRWG NO.
401703	J4	2	1	TRUSS DESC.		

Tarnerack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Thu Mar 7 08:06:34 2019 Page 1
ID:guB8GIR_dNo9QvDKo3horvyNxSw-71344ro5T3Q?gN85ha71xH0IKJIR3B86s6wPVzdO4Z
1-8-7 1-10-8 1-8-7 1-10-8

Scale = 1:9.7



TOTAL WEIGHT = 2 X 5 = 10 lb

LUMBER

N. L. G. A. RULES
CHORDS SIZE
A - B 2x4
A - C 2x4

DRY No.2
DRY No.2

DESCR.
SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE PLATES W LEN Y X
A TMBH1-m MT20 3.0 8.0 Edge

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

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG	HEEL WEDGE
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
B	77	0	77	0	0
C	50	0	51	0	0
A	128	0	128	0	0

SEE MITEK STANDARD DETAIL B37821H FOR CONNECTION TO JOINT(S) B, C

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN COMPONENT REACTIONS				
		SNOW	LIVE	PERM.LIVE	WIND	DEAD
B	55	39/0	5/0	0/0	0/0	11/0
C	40	12/0	15/0	0/0	0/0	13/0
A	96	52/0	19/0	0/0	0/0	24/0

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

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 FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED MAX. CSF (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSF (LC)
FR-TO				FR-TO		
A-E	-20/0	-102.1	-102.1 0.03 (1)	D-E	-37/21	0.00 (1)
E-B	0/9	-102.1	-102.1 0.04 (1)			
A-D	0/0	-38.5	-38.5 0.04 (1)			
D-C	0/0	-38.5	-38.5 0.04 (1)			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN CC

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 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.8 P.S.F. G.S.L PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD.

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

CSI: TC=0.04/1.00 (B-E:1), BC=0.04/1.00 (A-D:1), WB=0.00/1.00 (D-E:1), SSI=0.05/1.00 (B-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) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 783 1987 1656

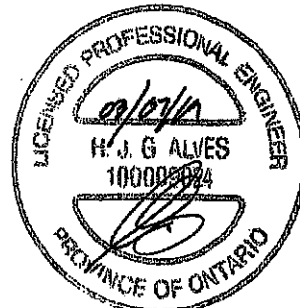
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.02 (A) (INPUT = 0.90)
JSI METAL= 0.00 (A) (INPUT = 1.00)

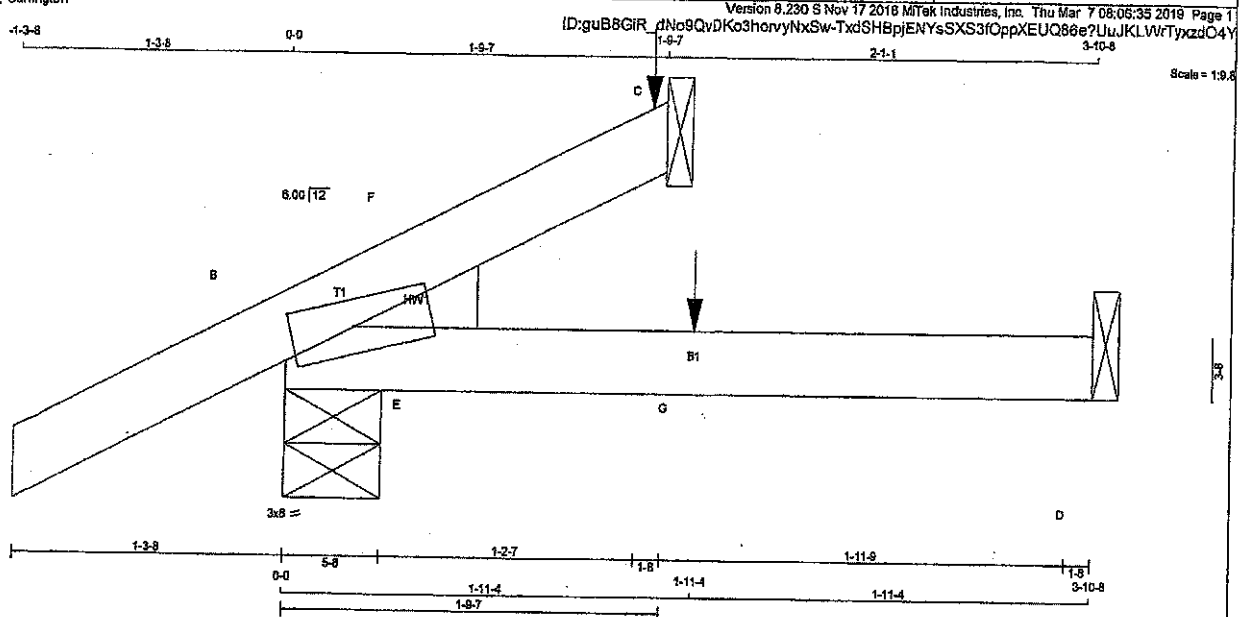
RECEIVED
JUN 10 2019

TOWN OF CALEDON
BUILDING SECTION
FILE NO.



DRWG NO. 1144 7105157
STRUCTURAL
COMPONENT ONLY

JOB NAME 401703	TRUSS NAME J5	QUANTITY 2	PLY 1	JOB DESC. GREENPARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)						
JT	TYPE	PLATES	W	LEN	Y	X
B	TMBH1-m	MT20	3.0	8.0	1.50	3.50

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX	HEEL WEDGE
	VERT	HORZ	DOWN	HORZ			
C	129	0	129	0	1-8	1-8	
B	336	0	336	0	5-8	5-8	2x4 L
D	58	0	72	0	1-8	1-8	

SEE MITEK STANDARD DETAIL B3782.1H FOR CONNECTION TO JOINT(S) C, D

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS. FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST CASE COMBINED		MAX/MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	SNOW	LIVE	PERM. LIVE	WIND			
C	100	45/ -21	28/0	0/0	0/0	27/0	0/0
B	242	162/0	28/0	0/0	0/0	52/0	0/0
D	52	2/ -4	39/0	0/0	0/0	20/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (5)

MEMB.	CHORDS		FACTORED		WEBS		FACTORED	
	FORCE (LBS)	VERT. LOAD (PLF)	MAX. LC1	MAX. CS1 (LC)	MEMB.	FORCE (LBS)	MAX. LC1	MAX. CS1 (LC)
FR-TO					FR-TO			
A-B	0/25	-102.1	-102.1	0.15 (1)	E-F	0/100	0.00 (1)	
B-F	-117/0	-102.1	-102.1	0.14 (1)				
F-C	-8/24	-102.1	-102.1	0.08 (3)				
B-E	0/0	-38.5	-38.5	0.05 (2)				
E-G	0/0	-38.5	-38.5	0.08 (2)				
G-D	0/0	-38.5	-38.5	0.08 (2)				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	1-9-7	-34	-34		FRONT	VERT	TOTAL		
G	1-11-4	-19	-19		FRONT	VERT	TOTAL		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2010, OBC 2012
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS
- OVERHANG NOT TO BE ALTERED OR CUT OFF

(55 % OF 37.5 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/999 (0.01")

CS1: TC=0.15/1.00 (A-B:1), BC=0.08/1.00 (D-E:2), WB=0.00/1.00 (E-F:1), SS=0.16/1.00 (B-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

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 819 354 1697 788 1997 1656

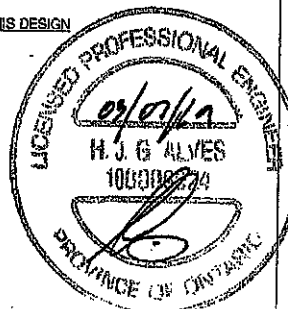
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

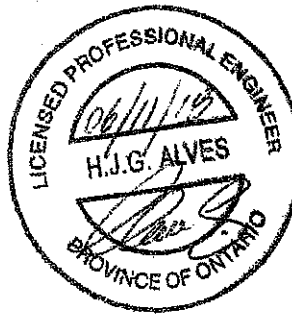
SI GRIP= 0.08 (B) (INPUT = 0.80)
SI METAL = 0.02 (B) (INPUT = 1.00)

RECEIVED
JUN 10 2019

TOWN OF CALEDON
BUILDING SECTION
FILE NO.



DRWG NO. 11905158
STRUCTURAL
COORDINATOR



Alves Engineering Services Inc.

5208 Easton road
Burlington, Ontario L7L 6N6
(289) 259 5455

RESPONSABILITIES

- 1-Alves Engineering Services Inc. is responsible for the design of trusses as individual components
- 2-It is the responsibility of others to ascertain that the design loads utilized on this drawing meet or exceed the actual dead load imposed by the structure and the live load imposed by the local building code or the authorities having jurisdictions.
- 3- All dimensions are to be verified by owner, contractor, architect or other authority before manufacture.
- 4- Alves Engineering Services Inc. bears no responsibility for the erection of the trusses. Persons erecting trusses are cautioned to seek professional advice regarding temporary and permanent bracing system. Bracing shown on Alves Engineering Services Inc. drawings is specified for the truss as a single component and forms an integral part of the truss design, but is not meant to represent the only required bracing for that truss when trusses are installed in a series of trusses forming a roof truss system.
- 5- It is the manufactures responsibility to ensure that the trusses are manufactured in conformance with Alves Engineering Services Inc. specifications outlined below.

SPECIFICATIONS

- 1-Truss components sealed by Alves Engineering Services Inc. conform to the relevant sections of the current Building Code of Ontario and Canada (part 4 or part 9) or the current Canadian code for Farm Buildings in accordance with the application specified on the sealed truss component drawing. All truss component design procedures must conform to the current design standard issued by the truss plate institute of Canada (TPIC). All lumber and nailing stresses to conform to the current CSA wood design standard identified on the current Building Code and TPIC.
- 2- Lumber is to be the sizes and grade specified on the truss drawing.
- 3- Moist content of lumber is not to exceed 19% in service unless otherwise specified.
- 4- Plates shall be applied to both faces of the each truss joint and shall be positioned as shown on the truss drawings
- 5- Lumber used on manufacture of trusses is not to be treated with chemicals unless otherwise specified on the truss drawings.
- 6- The top chord is assumed to be continuously laterally braced by the roof sheathing or purlins at intervals specified on the truss drawing but not exceeding 24" c/c for (part 9) and not exceeding 48" for (part 4 or farm design)
- 7- When rafter ceiling is not attached directly to the bottom chord, lateral bracing is required and it should not exceed more than 3m or 10' intervals
- 8-Refer to Mitek sheet M117473C REV. 10-08 attached for information on symbols, numbering system and General Safety notes.

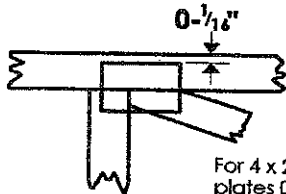
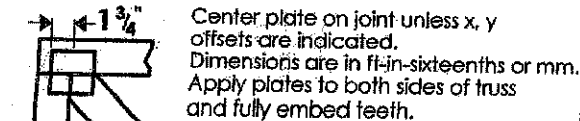
TOWN OF CALEDON
BUILDING SECTION
FILE NO. _____

T-1900219

Feb 09, 2018

Symbols

PLATE LOCATION AND ORIENTATION



This symbol indicates the required direction of slots in connector plates.

*Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

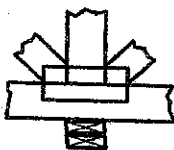
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

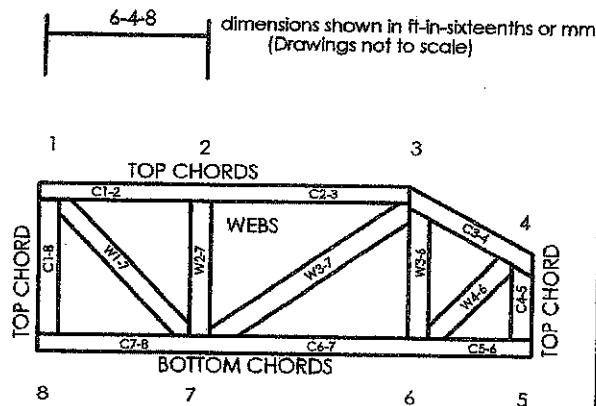


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

- TPIC: Truss Design Procedures and Specifications for Light Metal Plate Connected Wood Trusses
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

CCMC Reports:

11996-L, 10319-L, 13270-L, 12691-R

© 2007 MiTek® All Rights Reserved

MiTek
POWER TO PERFORM.™

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

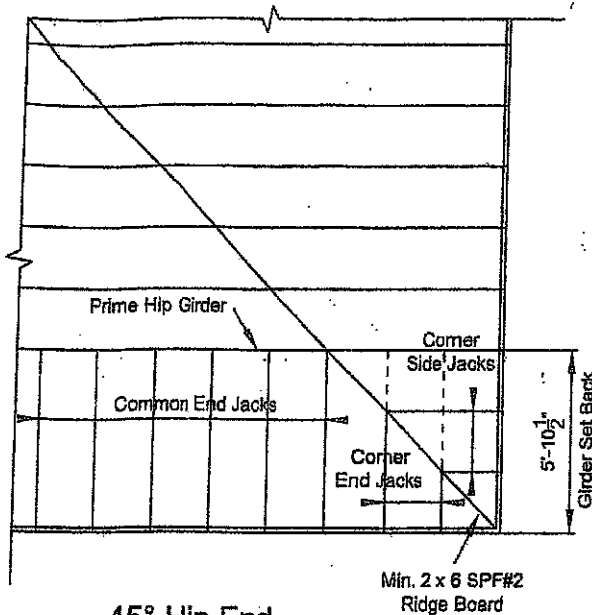
General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSL.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by TPIC.
7. Design assumes trusses will be suitably protected from the environment in accord with TPIC.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of other.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with TPIC Quality Criteria.

RECEIVED
JUN 10 2010

TOWN OF SECTION
BUILDING SECTION



45° Hip End

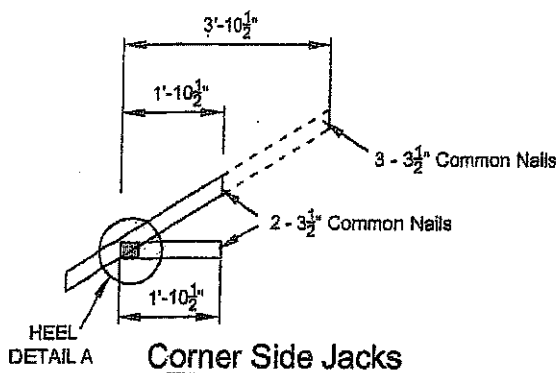
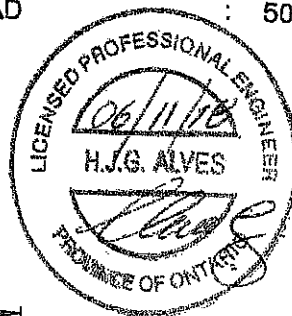
LUMBER SPECIFICATION

TOP CHORD : 2 x 4 SPF#2
 BOTTOM CHORD : 2 x 4 SPF#2
 WEBS : 2 x 3 SPF#2
 UNLESS OTHERWISE SHOWN

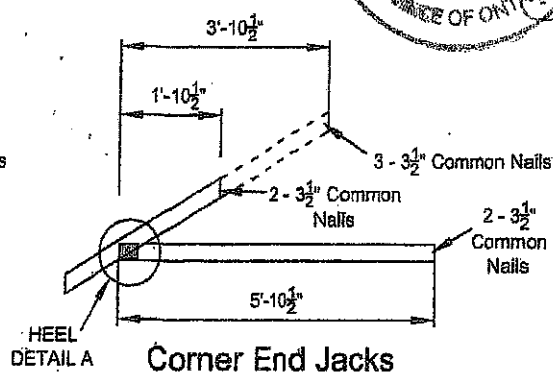
DESIGN LOAD

TOP CHORD SNOW LOAD : 40.5 P.S.F.
 TOP CHORD DEAD LOAD : 3.0 P.S.F.
 BOTTOM CHORD LIVE LOAD : 0.0 P.S.F.
 BOTTOM CHORD DEAD LOAD : 7.0 P.S.F.

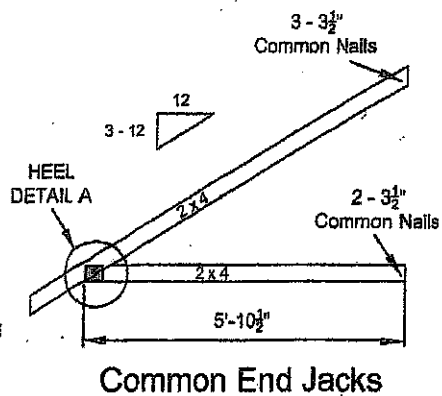
TOTAL LOAD : 50.5 P.S.F



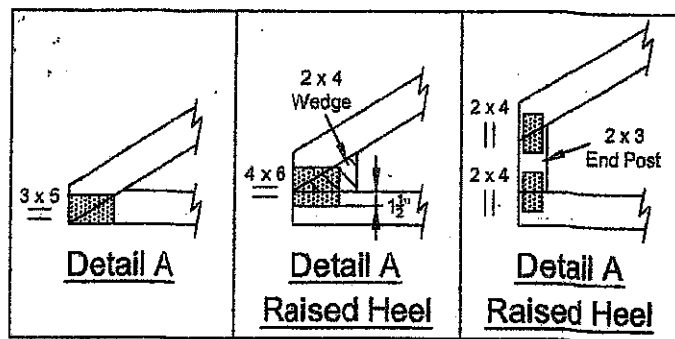
Corner Side Jacks



Corner End Jacks

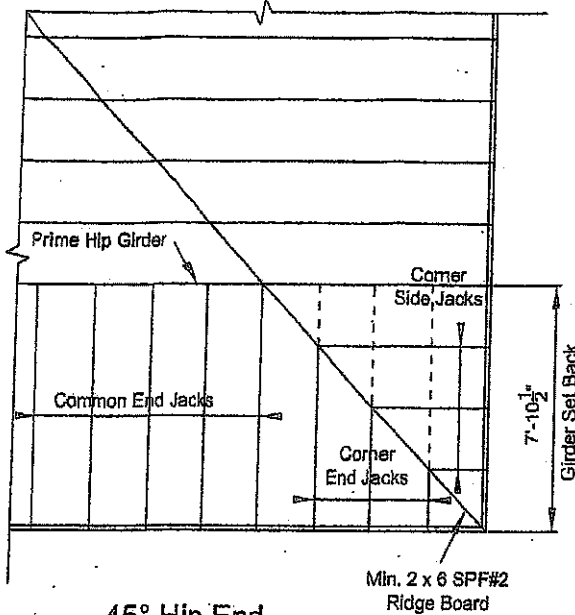


Common End Jacks



NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (L.S.D. DESIGN)

T-1800216



45° Hip End

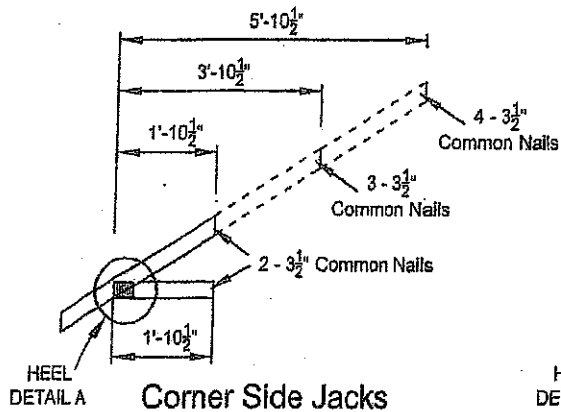
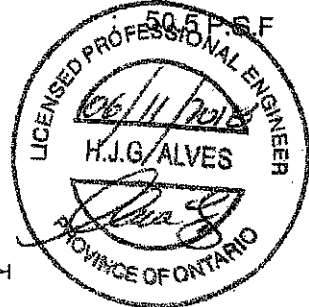
LUMBER SPECIFICATION

TOP CHORD : 2 x 4 SPF#2
 BOTTOM CHORD : 2 x 4 SPF#2
 WEBS : 2 x 3 SPF#2
 UNLESS OTHERWISE SHOWN

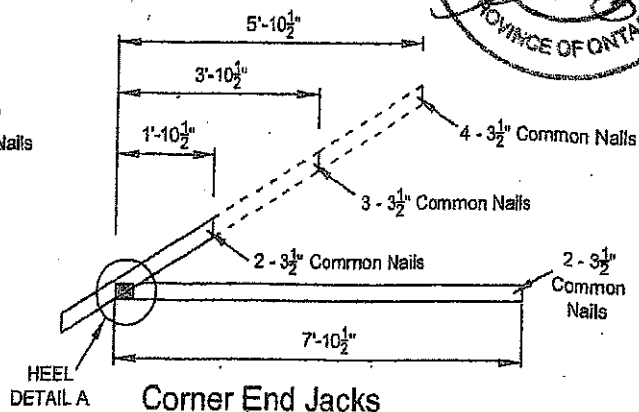
DESIGN LOAD

TOP CHORD SNOW LOAD : 40.5 P.S.F.
 TOP CHORD DEAD LOAD : 3.0 P.S.F.
 BOTTOM CHORD LIVE LOAD : 0.0 P.S.F.
 BOTTOM CHORD DEAD LOAD : 7.0 P.S.F.

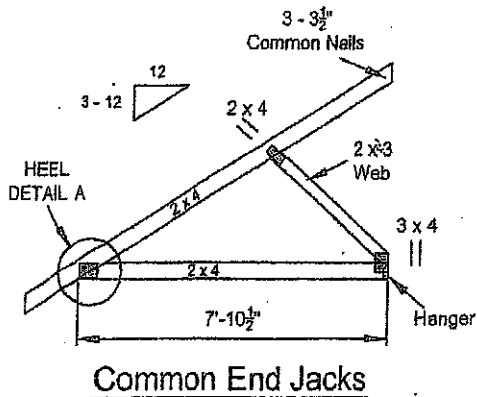
TOTAL LOAD



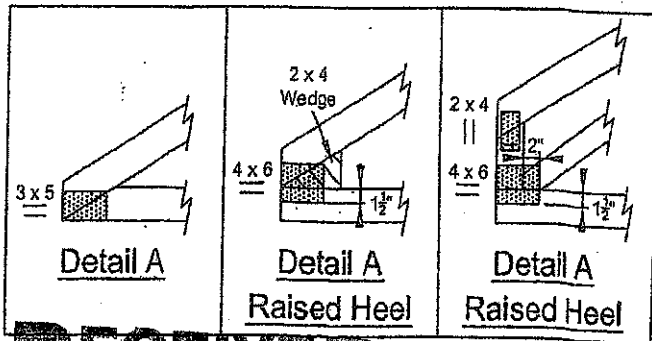
Corner Side Jacks



Corner End Jacks



Common End Jacks



NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (U.S. DESIGN)

RECEIVED
 JUN 10 2019

T-1800217

**TOWN OF SALEM
 BUILDING SECTION
 FILE NO.**