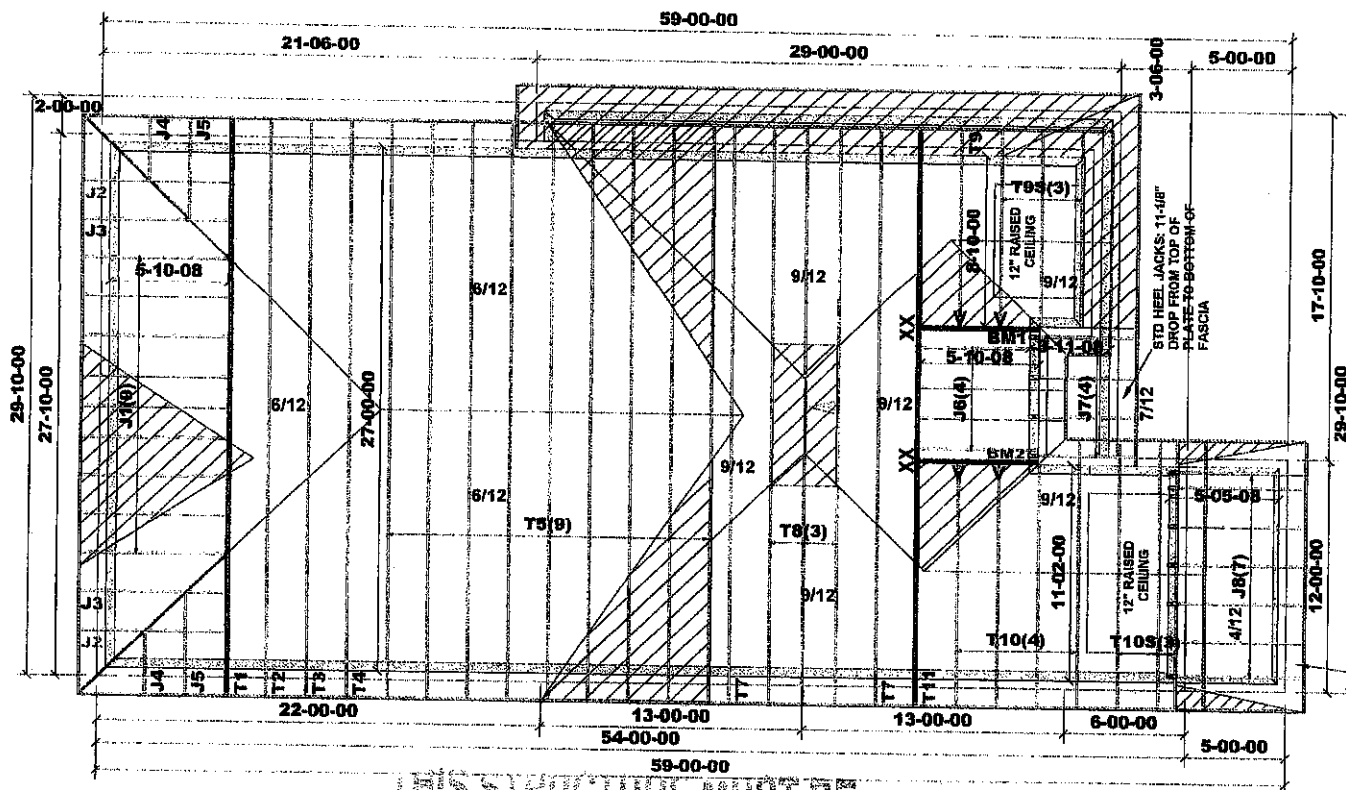




ALL CONV. FRAMING TO CONFORM WITH PART 9 OF THE O.B.C. 2012
 ROOF RAFTERS THAT CROSS OVER OR MEET TRUSSES TO BE 2X4 SPF #2 24" O.C. WITH A VERT. POST TO THE TRUSS UNDERNEATH AT EACH CROSS PT. VERT. POST LONGER THAN 6' TO HAVE LATERAL BRACING SO THAT THE DIST. BETWEEN END PT. & BETWEEN ROWS OF BRACING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

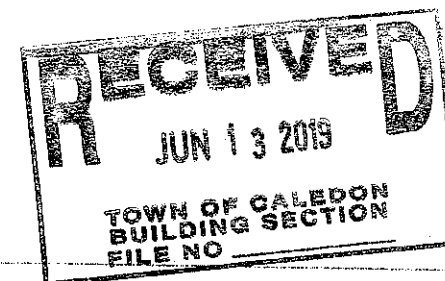
DESIGN CONFORMS WITH O.B.C. 2012
 OCCUPANCY: RESIDENTIAL | PART 9
 GROUND SNOW LOAD $S_s=37.620\text{psf}$ $S_r8.4\text{psf}$
 DESIGN LOADS
 TCDL (8psf)
 BCCL (10.5psf)
 BCDL (7psf)

 DENOTES: CONVENTIONAL FRAMING

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

HARDWARE:
 LJS26DS (V) 4pcs
 HGUS26-2 (XX) 2pcs

BEAMS:
 BM1-BM2 2-2X10 SPF #2



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

M12348

	Job Track: 50033	Builder / Location: GREEN PARK HOMES / CALEDON		Model / Elevation: BARTON 2 / 3 WITH REAR UPGRADE	
	Plan Log: 201008	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.	
	Layout ID: 403229	Date: 2019-06-05	Sales: Mario DiCano		Designer: BF
	Date: 2019-06-05 Sales: Mario DiCano Designer: BF				



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: BARTON 2
 Lot #:
 Elevation: 3 STD REAR UPGRADE

Job Track: 50033
 PlanLog: 201008
 Layout ID: 403229
 Ref #
 Page: 1 of 2
 Date: 06-05-2019
 Designer: Brian Faneca
 Sales Rep: Mario DiCano

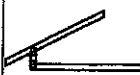
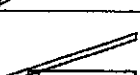
Roof Trusses

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	6 / 12	27-00-00	4-01-04	2 x 4 2 x 6	1-03-08 1-03-08	1-02-00 1-02-00	243.76 154.00		
	1	T2 Hip	6 / 12	27-00-00	5-01-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	109.31 68.83		
	1	T3 Hip	6 / 12	27-00-00	6-01-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	110.98 70.67		
	1	T4 Hip	6 / 12	27-00-00	7-01-04	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	112.6 70.67		
	9	T5 Common	6 / 12	27-00-00	7-11-00	2 x 4	1-03-08 1-03-08	1-02-00 1-02-00	952.9 600.00		
	2	T7 Hip	9 / 12	27-00-00	7-05-02	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	249.14 157.67		
	3	T8 Hip	9 / 12	27-00-00	8-11-02	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	385.47 248.00		
	1	T9 Common	9 / 12	8-10-00	4-10-00	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	39.5 26.83		
	3	T9S Roof Special	9 / 12	8-10-00	4-10-00	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	133.32 92.00		
	4	T10 Common	9 / 12	11-02-00	5-08-08	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	192.19 126.67		
	3	T10S Roof Special	9 / 12	11-02-00	5-08-08	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	156.98 107.50		
	1 2-ply	T11 Hip Girder	9 / 12	27-00-00	5-11-02	2 x 4 2 x 6	1-03-08 1-03-08	1-06-04 1-06-04	279.23 176.67		
	9	J1 Jack-Open	6 / 12	5-10-08	4-01-04	2 x 4	1-03-08	1-02-00 4-01-04	151.15 96.00		
	2	J2 Jack-Open	6 / 12	1-09-07	2-00-12	2 x 4	1-03-08 4-01-01	1-02-00 2-00-12	23.16 14.67		

RECEIVED
 JUN 13 2019
 TOWN OF CALEDON
 BUILDING SECTION
 FILE NO

DELIVERY SHIPLIST		
	Lumber Yard: TAMARACK LUMBER	Job Track: 50033
	Builder: GREEN PARK HOMES	PlanLog: 201008
	Project: LAMBERT LANE PH.2	Layout ID: 403229
	Location: CALEDON	Ref #
	Model: BARTON 2	Page: 2 of 2
	Lot #:	Date: 06-05-2019
	Elevation: 3 STD (& REAR UPGRADE)	Designer: Brian Faneca
		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
	2	J3 Jack-Open	6 /12	3-09-07	3-00-12	2 x 4	1-03-08 2-01-01	1-02-00 3-00-12	28.26 17.33		
	2	J4 Jack-Open	6 /12	1-09-07	2-00-12	2 x 4	1-03-08 1-01	1-02-00 2-00-12	14.04 9.33		
	2	J5 Jack-Open	6 /12	1-10-08	3-00-12	2 x 4	1-03-08 1-10-15	1-02-00 2-01-04	19.14 12.00		
	4	J6 Jack-Open	9 /12	5-10-08	5-11-02	2 x 4	1-03-08	1-06-04 5-11-02	99.67 66.00		
	4	J7 Jack-Open	7 /12	3-11-08	3-04-13	2 x 4	1-03-08	4-05 2-08-00	48.83 32.00		
	7	J8 Jack-Open	4 /12	5-05-08	2-06-11	2 x 4	1-03-08	3-15 2-01-12	101.14 65.33		

TOTAL # TRUSS= 64 TOTAL BFT OF ALL TRUSSES= 2212.17 BFT. TOTAL WEIGHT OF ALL TRSSES 3450.79 LBS

HARDWARE

QTY	TYPE	MODEL	LENGTH
2	Hardware	HGUS26-2	
4	Hardware	LJS26DS	

TOTAL NUMBER OF
ITEMS= 6



JOB NAME 403229	TRUSS NAME T1	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRAWG NO.
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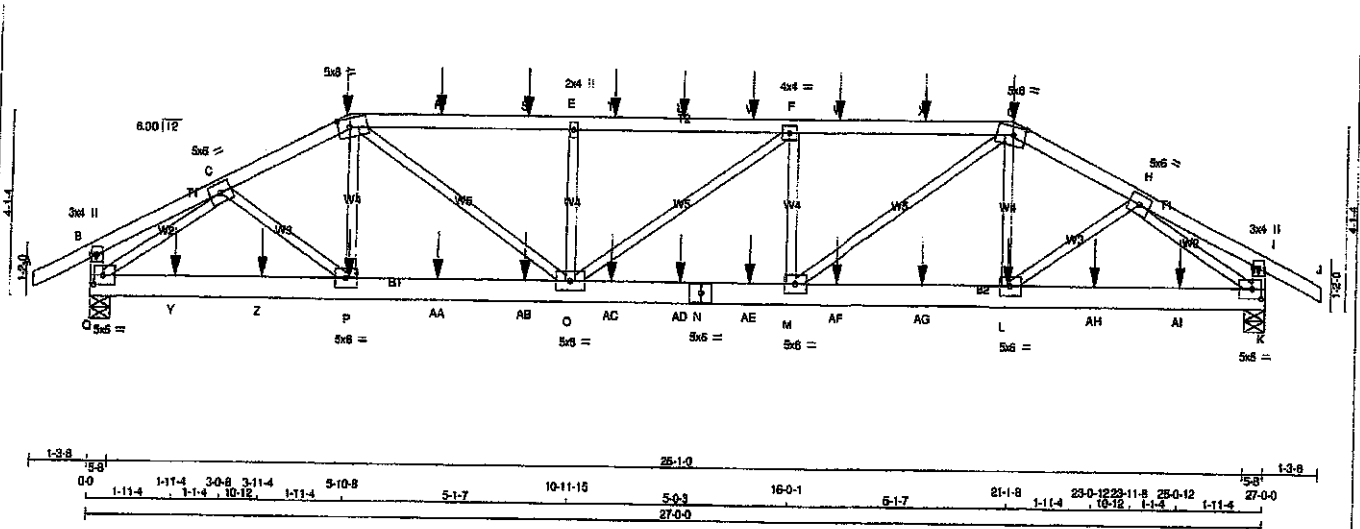
Tamarack Roof Truss, Burlington

Version 8.300 S May 10 2019 MTEK Industries, Inc. Tue Jun 4 17:18:43 2019 Page 1

ID:092vIZAJNO4_san8etalfEHX1-Ztg5Z63HYNSe5V6ULE6sy.jpY2XfwMbY_dDgDz9cQF

1-3.8 0.0 3-0.8 3-0.8 2-10.0 5-10.8 5-1-7 10-11-15 5-0-3 16-0-1 5-1-7 21-1-8 21-1-8 23-11-8 27-0-0 28-3-8

Scale = 1/4" = 1'-0"



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF	
D - G	2x4	DRY	No.2	SPF	
G - J	2x4	DRY	No.2	SPF	
Q - B	2x4	DRY	No.2	SPF	
K - I	2x4	DRY	No.2	SPF	
Q - N	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-D 1 12	SIDE(81.0)	
D-G 1 12	SIDE(81.0)	
G-J 1 12	SIDE(81.0)	
Q-B 1 12	TOP	
K-I 1 12	TOP	
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
Q-N 2 12	SIDE(183.1)	
N-K 2 12	SIDE(183.1)	
WEBS: (0.122"x3") SPIRAL NAILS		
P-D 1 8	SIDE(14.4)	
L-G 1 6	SIDE(14.4)	
2x3 1 6		

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)	W	LEN	Y	X
JT TYPE PLATES				
B TMV+p MT20	3.0	4.0		
C TMVW-w MT20	5.0	8.0		
D TTWW-m MT20	5.0	8.0	2.25	3.25
E TMV+w MT20	2.0	4.0		
F TMVW-l MT20	4.0	4.0		
G TTWW-m MT20	5.0	8.0	2.25	3.25
H TMVW-l MT20	5.0	8.0		
I TMV+p MT20	3.0	4.0		
K TMVW-l MT20	5.0	8.0	2.50	2.50
L M.P.				
N BMVW-4 MT20	5.0	8.0		
O BMVW-4 MT20	5.0	8.0		
Q BMVW-4 MT20	5.0	8.0	2.50	2.50

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	IN-SX	IN-SX
K	3347	0	5-8	5-8
Q	3347	0	5-8	5-8

UNFACTORED REACTIONS

	1ST CASE	MAX/MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
JT	COMBINED	SNOW	LIVE	PERMILIVE	
K	2498	1389 / 0	484 / 0	0 / 0	616 / 0
Q	2498	1389 / 0	484 / 0	0 / 0	616 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.49 FT.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	0 / 31	P-D	0 / 294
B-C	-2 / 8	L-G	0 / 289
C-D	-4903 / 0	Q-C	-4828 / 0
D-R	-6057 / 0	C-P	0 / 867
R-S	-6057 / 0	L-H	0 / 686
S-E	-6057 / 0	H-K	-4825 / 0
E-T	-6058 / 0	M-G	0 / 2108
T-U	-6058 / 0	D-O	0 / 2080
U-V	-6058 / 0	M-F	-909 / 0
V-F	-6058 / 0	O-E	-915 / 0
F-W	-6075 / 0	O-F	-22 / 0
W-X	-6075 / 0		
X-G	-6075 / 0		
G-H	-4900 / 0		
H-I	-2 / 7		
I-J	0 / 31		
Q-B	-275 / 0		
K-I	-275 / 0		
Q-Y	0 / 3839		
Y-Z	0 / 3839		
Z-P	0 / 3839		
P-AA	0 / 4375		
AA-AB	0 / 4375		
AB-O	0 / 4375		
O-AC	0 / 6076		
AC-AD	0 / 6076		
AD-N	0 / 6076		
N-AE	0 / 6076		
AE-M	0 / 6076		
M-AF	0 / 4372		
AF-AG	0 / 4372		
AG-L	0 / 4372		
L-AH	0 / 3837		
AH-AI	0 / 3837		
AI-K	0 / 3837		

FACTORED CONCENTRATED LOADS (LBS)	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
JT	5-10-8	-523	-523	---	BACK	VERT	TOTAL	---	C1
G	21-1-8	-523	-523	---	BACK	VERT	TOTAL	---	C1
L	21-0-12	-55	-70	---	BACK	VERT	TOTAL	---	C1

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.1 PSF

DL = 6.0 PSF

BOT CH. LL = 10.5 PSF

DL = 7.0 PSF

TOTAL LOAD = 52.5 PSF

SPACING = 24.8 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, 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 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.90")

CALCULATED VERT. DEFL.(LL) = 1/999 (0.13")

ALLOWABLE DEFL.(TL) = L/360 (0.90")

CALCULATED VERT. DEFL.(TL) = 1/999 (0.22")

CSI: TC=0.52/1.00 (F-G:1), BC=0.48/1.00 (M-O:1), WB=0.80/1.00 (C-Q:1), SS=0.21/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 L5 BEND=1.00

COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

MT20 618 354 1887 788 1987 1666

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg

JSI GRIP = 0.67 (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)

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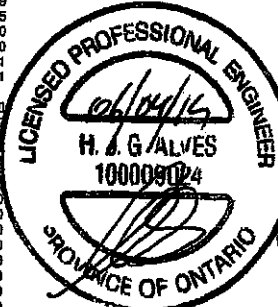
JUN 13 2019

TOWN OF CALEDON BUILDING SECTION

Structural Engineer only

DWG# T-1914448

CONTINUED ON PAGE 2



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
403229	T1	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				Version 8.300 5 May 10 2019 Mitek Industries, Inc. Tue Jun 4 17:19:43 2019 Page 2	
				ID:002VIZAIDN04 san8etalfzEHX1-Z1q5Z63HYNse5VeULE6svJoY2XfwIMby dDqDz9cOE	

FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
P	5-11-4	-55	-70	--	BACK	VERT	TOTAL	--	C1
R	7-11-4	-123	-123	--	BACK	VERT	TOTAL	--	C1
S	9-11-4	-123	-123	--	BACK	VERT	TOTAL	--	C1
T	11-11-4	-123	-123	--	BACK	VERT	TOTAL	--	C1
U	13-6-0	-123	-123	--	BACK	VERT	TOTAL	--	C1
V	15-0-12	-123	-123	--	BACK	VERT	TOTAL	--	C1
W	17-0-12	-123	-123	--	BACK	VERT	TOTAL	--	C1
X	19-0-12	-123	-123	--	BACK	VERT	TOTAL	--	C1
Y	1-11-4	-55	-74	--	BACK	VERT	TOTAL	--	C1
Z	3-11-4	-55	-70	--	BACK	VERT	TOTAL	--	C1
AA	7-11-4	-55	-70	--	BACK	VERT	TOTAL	--	C1
AB	9-11-4	-55	-70	--	BACK	VERT	TOTAL	--	C1
AC	11-11-4	-55	-70	--	BACK	VERT	TOTAL	--	C1
AD	13-6-0	-55	-70	--	BACK	VERT	TOTAL	--	C1
AE	15-0-12	-55	-70	--	BACK	VERT	TOTAL	--	C1
AF	17-0-12	-55	-70	--	BACK	VERT	TOTAL	--	C1
AG	19-0-12	-55	-70	--	BACK	VERT	TOTAL	--	C1
AH	23-0-12	-55	-70	--	BACK	VERT	TOTAL	--	C1
AI	25-0-12	-55	-74	--	BACK	VERT	TOTAL	--	C1

CONNECTION REQUIREMENTS

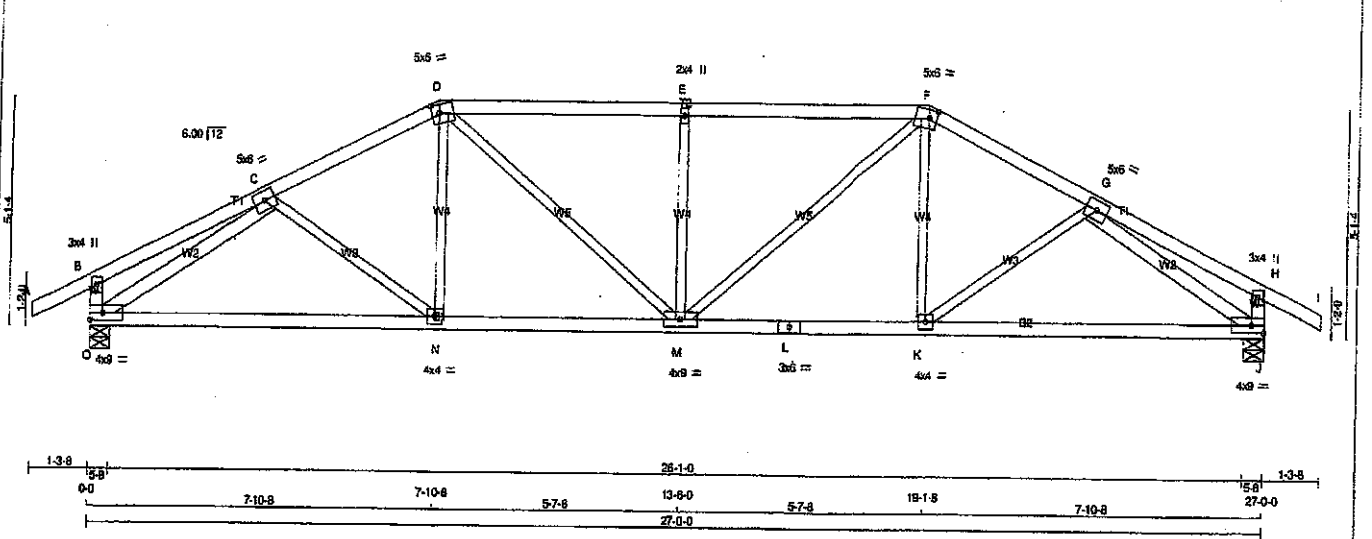
- 1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.



Structural component only 7/2
DWG# T-1914448

JOB NAME 403229	TRUSS NAME T2	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.300 \$ May 10 2019 MTek Industries, Inc. Tue Jun 4 17:19:44 2018 Page 1
 ID:092viZAJDNO4_san8etalfzEHX1-14E7N7h2sVjGF4q12ILO9a_LSpKH0kmaMmOf8cQD
 1-3-8 0.0 4-0-8 4-0-8 3-10-7 7-10-8 5-7-8 13-6-0 5-7-8 19-1-8 3-10-0 4-0-8 27-0-0 1-3-8
 Scale = 1:45.7



TOTAL WEIGHT = 109 lb (M/F)

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B TMV+p	MT20	3.0	4.0		
C TMVW-i	MT20	5.0	6.0		
D TMVW-m	MT20	5.0	6.0	2.25	2.00
E TMVW-w	MT20	2.0	4.0		
F TMVW-m	MT20	5.0	6.0	2.25	2.00
G TMVW-i	MT20	5.0	6.0		
H TMV+p	MT20	3.0	4.0		
J BMVW-i-t	MT20	4.0	9.0		Edge
K BMVW-i	MT20	4.0	4.0		
L BS-i	MT20	3.0	8.0		
M BMVW-i-t	MT20	4.0	9.0		
N BMVW-i	MT20	4.0	4.0		
O BMVW-i	MT20	4.0	9.0		Edge

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

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

BEARINGS					
JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG	
O	2037 0	2037 0	0 5-8	5-8	
J	2037 0	2037 0	0 5-8	5-8	

UNFACTORED REACTIONS						
JT	1ST CASE	MAX	MIN	COMPONENT REACTIONS		
O	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
O	1514	863 / 0	284 / 0	0 / 0	0 / 0	367 / 0
J	1514	863 / 0	284 / 0	0 / 0	0 / 0	367 / 0

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

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.68 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.
 ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING					
TOTAL LOAD CASES: (4)					
CHORDS			WEBS		
MEMB.	FORCE (LBS)	VERT. LOAD LC1 MAX (PLF)	MEMB.	FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO		FROM TO	FR-TO		
A-B	0 / 31	-102.1 -102.1 0.13 (1)	C-N	-3 / 138	0.03 (3)
B-C	0 / 19	-102.1 -102.1 0.23 (1)	D-M	0 / 375	0.08 (2)
C-D	-2533 / 0	-102.1 -102.1 0.25 (1)	E-F	0 / 647	0.15 (1)
D-E	-2746 / 0	-102.1 -102.1 0.52 (1)	F-G	-702 / 0	0.27 (1)
E-F	-2746 / 0	-102.1 -102.1 0.52 (1)	G-H	0 / 847	0.15 (1)
F-G	-2533 / 0	-102.1 -102.1 0.25 (1)	H-I	0 / 375	0.08 (2)
G-H	0 / 19	-102.1 -102.1 0.23 (1)	I-J	-3 / 138	0.03 (3)
H-I	0 / 31	-102.1 -102.1 0.13 (1)	J-K	-2767 / 0	0.77 (1)
I-J	-239 / 0	0.0 0.0 0.03 (1)	K-L	-2767 / 0	0.77 (1)
J-K	-239 / 0	0.0 0.0 0.03 (1)	L-M		
K-L	0 / 2249	-38.5 -38.5 0.70 (2)	M-N		
L-M	0 / 2254	-38.5 -38.5 0.71 (2)	N-O		
M-N	0 / 2254	-38.5 -38.5 0.71 (2)	O-P		
N-O	0 / 2254	-38.5 -38.5 0.71 (2)	P-Q		
O-P	0 / 2249	-38.5 -38.5 0.70 (2)	Q-R		

DESIGN CRITERIA
 SPECIFIED LOADS:
 TOP CH. LL = 29.1 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 2018, OBC 2012
 - CSA 089-08, CSA 089-14
 - TRC 2011, TRC 2014

65% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD EQUALS 28.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.90")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.16")
 ALLOWABLE DEFL.(TL) = L/360 (0.90")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.30")

CSI: TC=0.52/1.00 (E-F), BC=0.71/1.00 (M-N), WB=0.77/1.00 (C-O), SS=0.28/1.00 (E-F)

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 NEEDS OFF

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

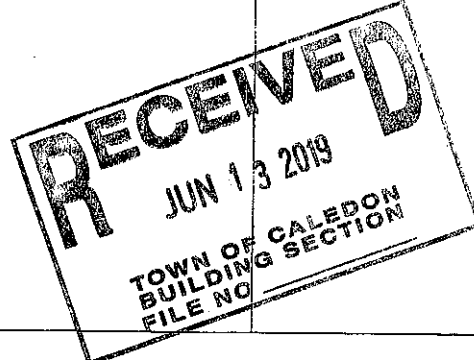
NAIL VALUES			
PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)	
MT20	818	354	1887

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP=0.86 (G) (INPUT = 0.90)

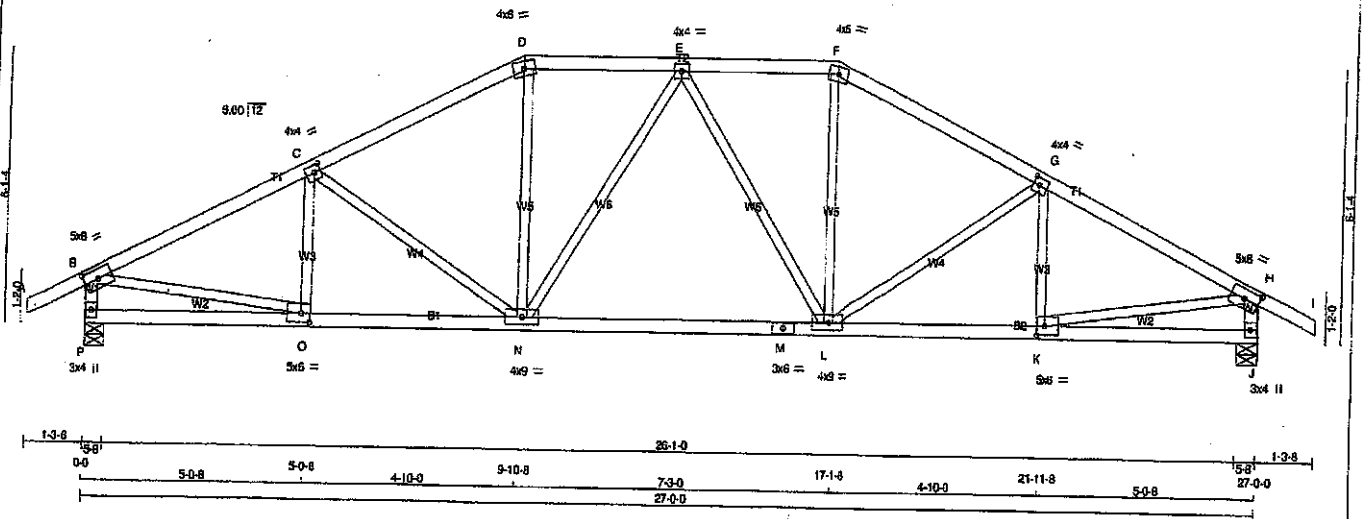
JSI METAL=0.73 (L) (INPUT = 1.00)



Structural component only
 DWG# T-1914449

JOB NAME 403229	TRUSS NAME T3	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.300 5 May 10 2019 Mtek Industries, Inc. Tue Jun 4 17:19:45 2019 Page 1
ID:092VIZA[DNO4_san8etalfzEHX1-VGcVVE8JpAdatPi0biGaxNP8osCq0oju?16Jk6z9cQC
21-11-8 27-0-0 28-3-8 1-3-8
Scale = 1:45.7



LUMBER			
N.L.G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - D	2x4	DRY	No.2
E - F	2x4	DRY	No.2
G - I	2x4	DRY	No.2
J - H	2x4	DRY	No.2
P - M	2x4	DRY	No.2
M - J	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 TMVW-1	MT20	5.0	8.0	2.50	4.00
C TMVW-1	MT20	4.0	4.0	2.00	1.75
D TMVW-1	MT20	4.0	6.0		
E TMVW-1	MT20	4.0	4.0		
F TMVW-1	MT20	4.0	6.0		
G TMVW-1	MT20	4.0	4.0	2.00	1.75
H TMVW-1	MT20	5.0	8.0	2.50	4.00
J BMV1-p	MT20	3.0	4.0		
K BMVW-1	MT20	5.0	8.0	2.50	2.25
L BMVW-1	MT20	4.0	9.0		
M BS-1	MT20	3.0	6.0		
N BMVW-1	MT20	4.0	9.0		
O BMVW-1	MT20	5.0	6.0	2.50	2.25
P BMV1-p	MT20	3.0	4.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER									
BEARINGS									
FACTORED		MAXIMUM FACTORED		INPUT		RECORD			
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	IN-SX
P	2037	0	0	2037	0	0	0	5-8	5-8
J	2037	0	0	2037	0	0	0	5-8	5-8

UNFACTORED REACTIONS						
JT	1ST LOASE	MAX/MIN. COMPONENT REACTIONS				
P	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
P	1514	863/0	284/0	0/0	0/0	367/0
J	1514	863/0	284/0	0/0	0/0	367/0

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

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

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

LOADING									
TOTAL LOAD CASES: (4)									
CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	FACTORED (PLF)	MAX. CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	FACTORED (PLF)	MAX. CS (LC)
FR-TO					FR-TO				
A-B	0/31	-102.1	-102.1	0.13 (1)	10.00	O-C	-221/64	0.05 (1)	0.05 (1)
B-C	-2862/0	-102.1	-102.1	0.41 (1)	3.88	C-N	-410/0	0.28 (1)	0.28 (1)
C-D	-2336/0	-102.1	-102.1	0.38 (1)	4.14	N-D	0/899	0.18 (1)	0.18 (1)
D-E	-2077/0	-102.1	-102.1	0.20 (1)	4.53	L-F	0/898	0.18 (1)	0.18 (1)
E-F	-2077/0	-102.1	-102.1	0.20 (1)	4.53	L-G	-410/0	0.28 (1)	0.28 (1)
F-G	-2336/0	-102.1	-102.1	0.38 (1)	4.14	K-G	-221/64	0.05 (1)	0.05 (1)
G-H	-2862/0	-102.1	-102.1	0.41 (1)	3.88	B-O	0/2438	0.56 (1)	0.56 (1)
H-I	0/31	-102.1	-102.1	0.13 (1)	10.00	K-H	0/2438	0.55 (1)	0.55 (1)
P-B	-1951/0	0.0	0.0	0.20 (1)	6.03	N-E	-258/0	0.22 (1)	0.22 (1)
J-H	-1951/0	0.0	0.0	0.20 (1)	6.03	E-L	-258/0	0.22 (1)	0.22 (1)
P-O	0/0	-38.5	-38.5	0.16 (3)	10.00				
O-N	0/2404	-38.5	-38.5	0.56 (1)	10.00				
N-M	0/2211	-38.5	-38.5	0.56 (2)	10.00				
M-L	0/2211	-38.5	-38.5	0.53 (2)	10.00				
L-K	0/2404	-38.5	-38.5	0.56 (1)	10.00				
K-J	0/0	-38.5	-38.5	0.16 (3)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 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

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 NBC 2010, NBC 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 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.90")
CALCULATED VERT. DEFL.(LL) = L/599 (0.13")
ALLOWABLE DEFL.(TL) = L/360 (0.90")
CALCULATED VERT. DEFL.(TL) = L/599 (0.23")

CS: TC=0.41/1.00 (B-C:1), BC=0.56/1.00 (N-O:1), WB=0.55/1.00 (H-K:1), SS=0.22/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

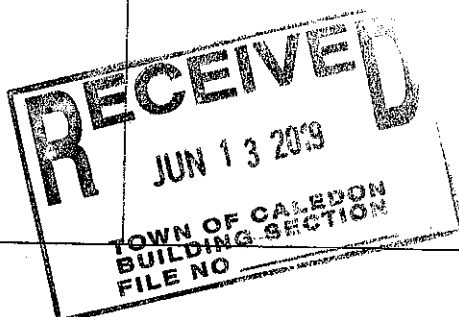
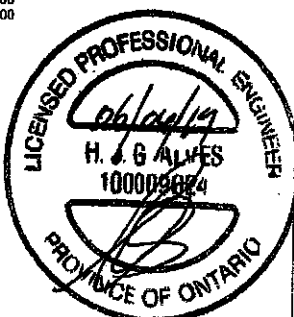
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PL)
(PSI) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 788 1887 1556

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

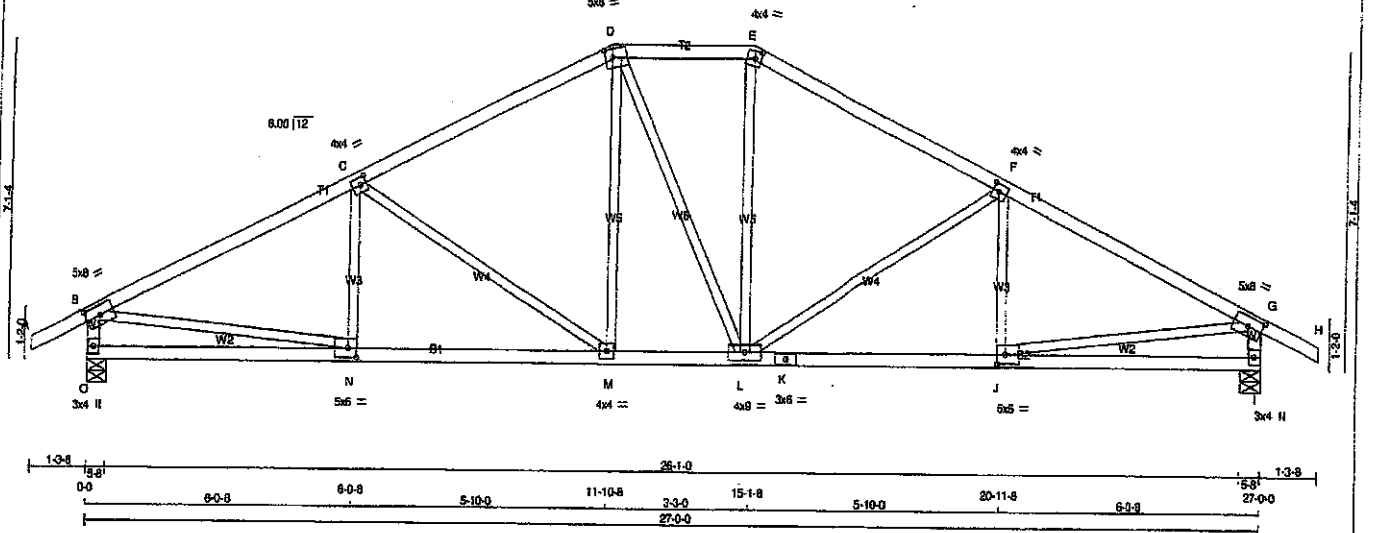
JSI GRIP = 0.85 (K) (INPUT = 0.90)
JSI METAL = 0.85 (M) (INPUT = 1.00)



Structural component only
DWG# T-1914450

JOB NAME 403229	TRUSS NAME T4	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 ID:092vZAJDNO4_san8etalfzEHX1-zSMja8xaTIRVZED9TnpTaxJVFx7D61EyrIGyZ9cOB
 15-1-8 5-10-0 20-11-8 27-0-0 28-3-6
 1-3-8 0-0 6-0-8 6-0-8 5-10-0 11-10-8 3-3-0 5-10-0 20-11-8 6-0-8 1-3-8
 Scale = 1:45.7



TOTAL WEIGHT = 113 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 - H	2x4	DRY	No.2
O - B	2x4	DRY	No.2
I - G	2x4	DRY	No.2
O - K	2x4	DRY	No.2
K - I	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
DRY: SEASONED LUMBER.			

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW4	MT20	5.0	8.0	2.50 4.00
C	TMWW4	MT20	4.0	4.0	2.00 1.75
D	TTWW-m	MT20	5.0	6.0	2.25 2.00
E	TTW-m	MT20	4.0	4.0	2.00 1.75
F	TMVW4	MT20	4.0	4.0	2.00 1.75
G	TMVW4	MT20	5.0	8.0	2.50 4.00
I	BMV1+p	MT20	3.0	4.0	
J	BMWW4	MT20	5.0	8.0	2.50 2.25
K	BS-I	MT20	3.0	6.0	
L	BMWW4	MT20	4.0	9.0	
M	BMWW4	MT20	4.0	4.0	
N	BMWW4	MT20	5.0	6.0	2.50 2.25
O	BMV1+p	MT20	3.0	4.0	

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

BEARINGS							
JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG			
	VERT	DOWN	UP	IN-SX	IN-SX		
O	2037	0	0	5-8	5-8		
I	2037	0	0	5-8	5-8		

UNFACTORED REACTIONS							
JT	1ST CASE	MAX/MIN COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
O	1514	853 / 0	284 / 0	0 / 0	0 / 0	357 / 0	0 / 0
I	1514	853 / 0	284 / 0	0 / 0	0 / 0	357 / 0	0 / 0

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

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.83 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.
 ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING
 TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 / 31	-102.1 -102.1	0.13 (1)	10.00	N-C	-84 / 185	0.04 (3)
B-C	-2894 / 0	-102.1 -102.1	0.81 (1)	3.63	C-M	-892 / 0	0.67 (1)
C-D	-2111 / 0	-102.1 -102.1	0.53 (1)	4.11	M-D	0 / 597	0.12 (1)
D-E	-1868 / 0	-102.1 -102.1	0.18 (1)	4.76	D-L	0 / 4	0.12 (1)
E-F	-2113 / 0	-102.1 -102.1	0.53 (1)	4.11	L-E	0 / 541	0.00 (1)
F-G	-2893 / 0	-102.1 -102.1	0.80 (1)	3.83	L-F	-689 / 0	0.66 (1)
G-H	0 / 31	-102.1 -102.1	0.13 (1)	10.00	J-F	-85 / 183	0.04 (3)
O-B	-1942 / 0	0.0	0.0	6.04	B-N	0 / 2462	0.55 (1)
I-G	-1941 / 0	0.0	0.0	6.04	J-G	0 / 2461	0.55 (1)
O-N	0 / 0	-38.5	-38.5	0.27 (3)	10.00		
N-M	0 / 2437	-38.5	-38.5	0.58 (2)	10.00		
M-L	0 / 1866	-38.5	-38.5	0.40 (1)	10.00		
L-K	0 / 2437	-38.5	-38.5	0.57 (2)	10.00		
K-J	0 / 2437	-38.5	-38.5	0.57 (2)	10.00		
J-I	0 / 0	-38.5	-38.5	0.27 (3)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
 TOP CH. LL = 29.1 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 NBCC 2010, NBC 2012
 - CSA 088-08, 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 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.90")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
 ALLOWABLE DEFL.(TL) = L/360 (0.90")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.20")

CSI: TC=0.61/1.00 (B-C:1), BC=0.58/1.00 (M-N:2),
 WB=0.67/1.00 (C-M:1), SS=0.26/1.00 (F-G:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

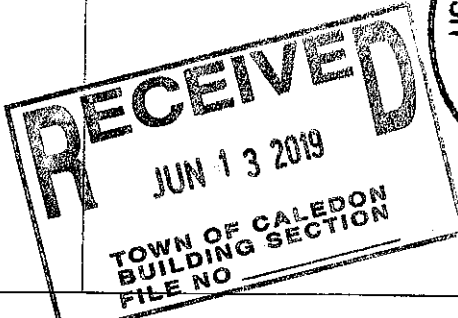
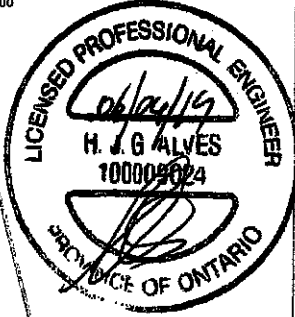
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES					
PLATE	GRIP (DRY)	SHEAR	SECTION		
	(PSI)	(PLI)	(PLI)		
	MAX	MIN	MAX	MIN	MAX
MT20	618	354	1667	789	1987

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

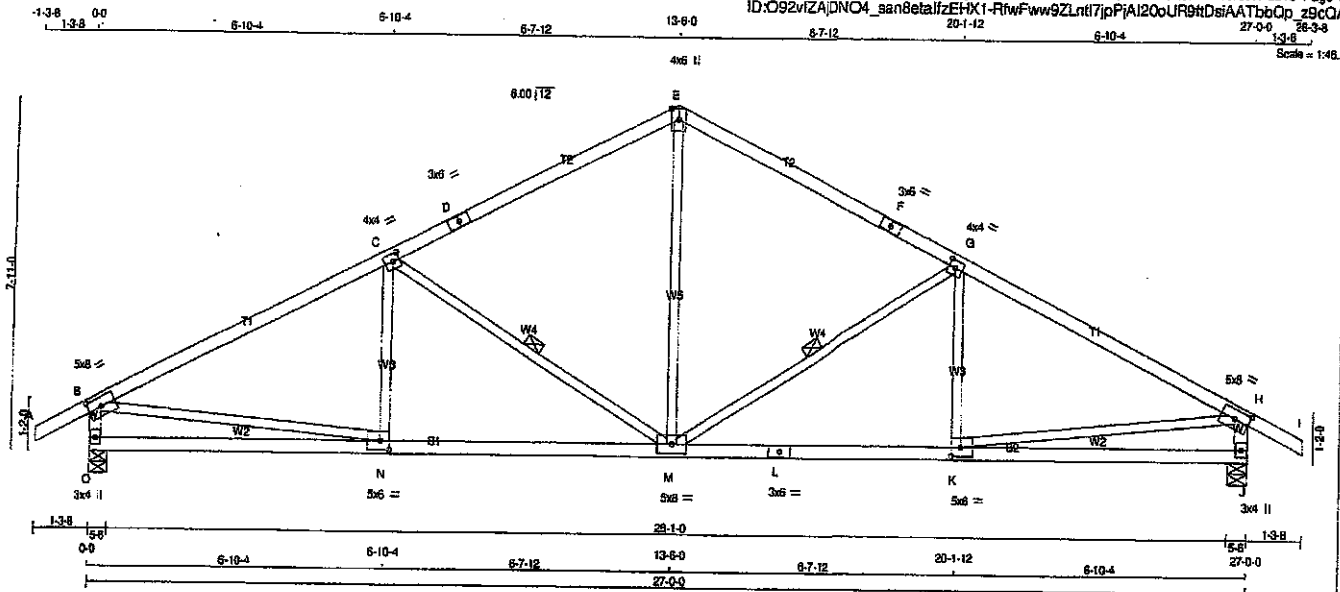
JSI GRIP=0.89 (E) (INPUT = 0.90)
 JSI METAL=0.71 (K) (INPUT = 1.00)



Structural component only
 DWG# T-1914451

JOB NAME 403229	TRUSS NAME T5	QUANTITY 9	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.300 S May 10 2019 Mitek Industries, Inc. Tue Jun 4 17:19:47 2018 Page 1
 ID:092v1ZAJDNO4_san8etalfzEHX1-RfwFww9ZLnt17jpPjA120oUR9NtDsiAATbbOp_z9cOA
 27-0-0 26-3-8
 Scale = 1:48.2



TOTAL WEIGHT = 9 X 106 = 954 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER
A - D	2x4	DRY	No.2
E - F	2x4	DRY	No.2
G - H	2x4	DRY	No.2
I - J	2x4	DRY	No.2
K - L	2x4	DRY	No.2
M - N	2x4	DRY	No.2
O - P	2x4	DRY	No.2
Q - R	2x4	DRY	No.2
S - T	2x4	DRY	No.2
U - V	2x4	DRY	No.2
W - X	2x4	DRY	No.2
Y - Z	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
A	TMVW-1	MT20	5.0	8.0	2.50	4.00
B	TMVW-1	MT20	4.0	4.0	2.00	1.75
C	TS-1	MT20	3.0	6.0		
D	TTW-1	MT20	4.0	6.0	Edge	
E	TS-1	MT20	3.0	6.0		
F	TMVW-1	MT20	4.0	4.0	2.00	1.75
G	TMVW-1	MT20	5.0	8.0	2.50	4.00
H	TMVW-1	MT20	5.0	8.0	2.50	4.00
I	BMV1-p	MT20	3.0	4.0		
J	BMV1-p	MT20	5.0	8.0		
K	BMV1-p	MT20	5.0	8.0		
L	BS-1	MT20	3.0	6.0		
M	BMV1-p	MT20	5.0	8.0		
N	BMV1-p	MT20	5.0	8.0		
O	BMV1-p	MT20	3.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
O	2037	0	0	5-8
J	2037	0	0	5-8

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN COMPONENT REACTIONS	PERM LIVE	WIND	DEAD	SOIL
O	1514	863/0	284/0	0/0	367/0	0/0
J	1514	863/0	284/0	0/0	367/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.34 FT.

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO					FR-TO		
A-B	0/31	-102.1	-102.1	0.13 (1)	M-E	0/1189	0.27 (1)
B-C	-2684/0	-102.1	-102.1	0.80 (1)	M-G	-971/0	0.37 (1)
C-D	-1939/0	-102.1	-102.1	0.89 (1)	K-G	-16/237	0.08 (3)
D-E	-1939/0	-102.1	-102.1	0.89 (1)	C-M	-971/0	0.37 (1)
E-F	-1939/0	-102.1	-102.1	0.89 (1)	N-C	-16/237	0.08 (3)
F-G	-1939/0	-102.1	-102.1	0.89 (1)	B-N	0/2452	0.55 (1)
G-H	-2684/0	-102.1	-102.1	0.80 (1)	K-H	0/2452	0.55 (1)
H-I	0/31	-102.1	-102.1	0.13 (1)			
O-B	-1928/0	0.0	0.0	0.19 (1)			
J-H	-1928/0	0.0	0.0	0.19 (1)			
O-N	0/0	-38.5	-38.5	0.33 (3)			
N-M	0/2433	-38.5	-38.5	0.83 (2)			
M-L	0/2433	-38.5	-38.5	0.83 (2)			
L-K	0/2433	-38.5	-38.5	0.83 (2)			
K-J	0/0	-38.5	-38.5	0.33 (3)			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.1 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, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, CBC 2012
 - CSA 088-08, 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 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.90")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
 ALLOWABLE DEFL.(TL) = L/360 (0.90")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.21")

CSI: TC=0.80/1.00 (B-C:1), BC=0.63/1.00 (M-N:2), WB=0.55/1.00 (B-N:1), SS=0.30/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

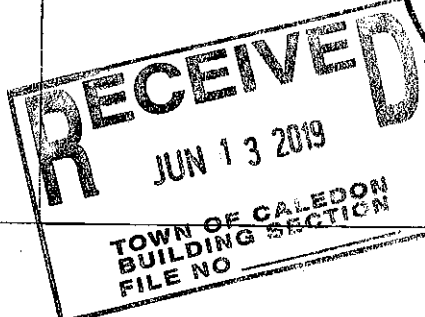
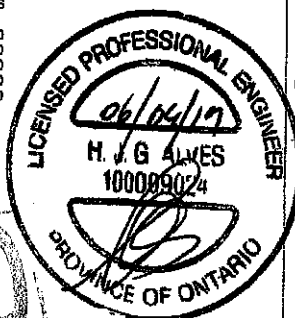
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PL) (PL)

MAX MIN MAX MIN MAX MIN
 MT20 618 354 1887 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

ISI GRIP= 0.89 (N) (INPUT = 0.90)
 ISI METAL= 0.84 (L) (INPUT = 1.00)



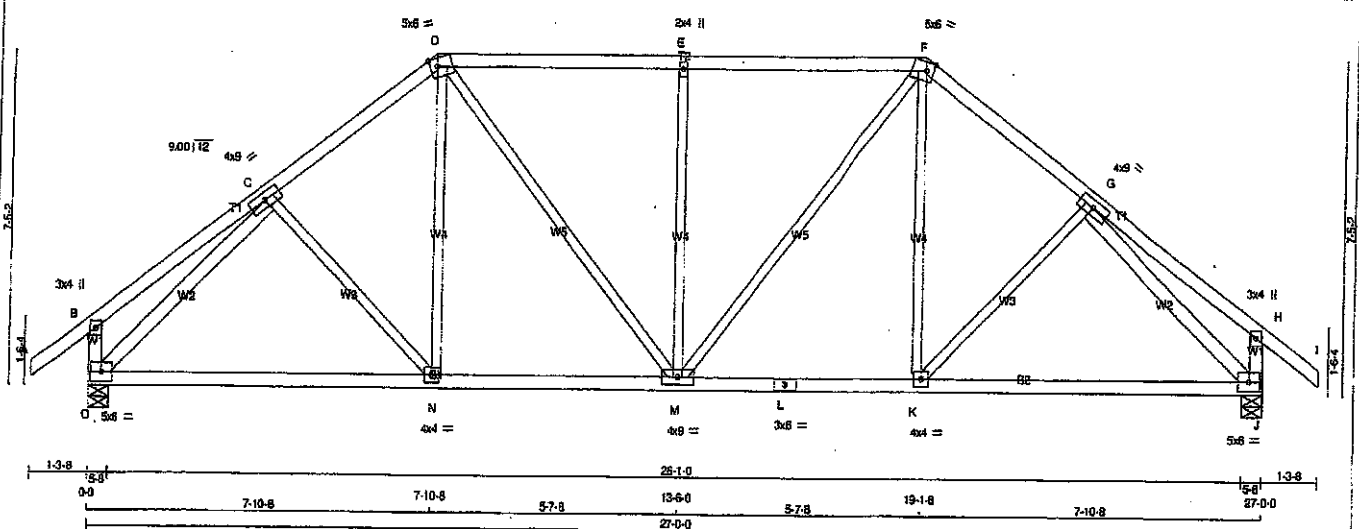
Structural component only
 DWG# T-1914452

THIS STRUCTURE MUST BE
 CONSTRUCTED TO THE
 REQUIREMENTS OF THE
 ONTARIO BUILDING CODE

JOB NAME TRUSS NAME QUANTITY PLY JOB DESC. GREEN PARK HOMES DRWG NO.
403229 T7 2 1 TRUSS DESC.

Tamarack Roof Truss, Burlington Version 8.300 8 May 10 2019 MTEK Industries, Inc. Tue Jun 4 17:19:48 2019 Page 1
ID:082vIAJDN04_san8etalfzEHX1-vrUe8GAC8579ksObGuqHZ79gG3Dob4jKhFK_LR29cQ9

1-3-8 0-0 4-0-8 7-10-8 5-7-8 13-6-0 5-7-8 19-1-8 22-11-8 4-0-8 27-0-0 1-3-8
1-3-8 0-0 7-10-8 7-10-8 5-7-8 13-6-0 5-7-8 19-1-8 7-10-8 27-0-0
Scale = 1:45.7



TOTAL WEIGHT = 2 X 125 = 250 lb

LUMBER
N.L.G. A. RULES

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

DRY: SEASONED LUMBER.

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		RECORD BRG	
	VERT	HORZ	DOWN	HORZ	IN-SX	IN-SX	IN-SX	IN-SX
O	2039	0	2039	0	5-8	5-8	5-8	5-8
J	2039	0	2039	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX/MIN COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERALIVE			
O	1515	864 / 0	284 / 0	0 / 0	0 / 0	368 / 0	0 / 0
J	1515	864 / 0	284 / 0	0 / 0	0 / 0	368 / 0	0 / 0

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

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.1 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 8.00/12

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVW-1	MT20	4.0	9.0		
D	TTWW-m	MT20	5.0	6.0		Edge 2.00
E	TMVW-w	MT20	2.0	4.0		
F	TTWW-m	MT20	5.0	6.0		Edge 2.00
G	TMVW-1	MT20	3.0	4.0		
H	TMV+p	MT20	3.0	4.0		
J	BMVW-1	MT20	5.0	6.0		
K	BMVW-1	MT20	4.0	4.0		
L	BS-1	MT20	3.0	6.0		
M	BMVW-1	MT20	4.0	9.0		
N	BMVW-1	MT20	4.0	4.0		
O	BMVW-1	MT20	5.0	6.0		

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.42 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 FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
		FROM TO	PLF				
A-B	0 / 42	-102.1	-102.1	0.14 (1)	10.00	C-N	-25 / 100
B-C	0 / 27	-102.1	-102.1	0.25 (1)	10.00	N-D	0 / 390
C-D	-1927 / 0	-102.1	-102.1	0.24 (1)	4.64	D-M	0 / 535
D-E	-1853 / 0	-102.1	-102.1	0.46 (1)	4.42	M-E	-700 / 0
E-F	-1853 / 0	-102.1	-102.1	0.46 (1)	4.42	F-G	0 / 535
F-G	-1927 / 0	-102.1	-102.1	0.24 (1)	4.64	G-H	0 / 390
G-H	0 / 27	-102.1	-102.1	0.25 (1)	10.00	H-I	-25 / 100
H-I	0 / 42	-102.1	-102.1	0.14 (1)	10.00	I-J	-2230 / 0
I-J	-286 / 0	0.0	0.0	0.03 (1)	7.81	J-K	-2230 / 0
J-K	-286 / 0	0.0	0.0	0.03 (1)	7.81	K-L	
K-L	0 / 1535	-38.5	-38.5	0.61 (2)	10.00	L-M	
L-M	0 / 1522	-38.5	-38.5	0.61 (2)	10.00	M-N	
M-N	0 / 1522	-38.5	-38.5	0.61 (2)	10.00	N-O	
N-O	0 / 1522	-38.5	-38.5	0.61 (2)	10.00	O-P	
O-P	0 / 1535	-38.5	-38.5	0.61 (2)	10.00	P-Q	

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2010, 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 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.90')
CALCULATED VERT. DEFL.(LL) = L/999 (0.16')
ALLOWABLE DEFL.(TL) = L/360 (0.90')
CALCULATED VERT. DEFL.(TL) = L/999 (0.27')

CS: TC=0.46/1.00 (D-E:1), BC=0.61/1.00 (K-M:2),
WB=0.65/1.00 (G-J:1), SSI=0.28/1.00 (D-E:1)

DCL LUMBER=1.00 NAIL=1.00 L9 BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

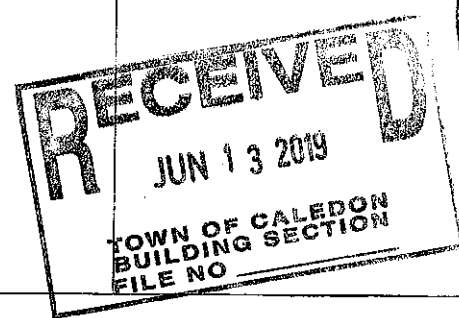
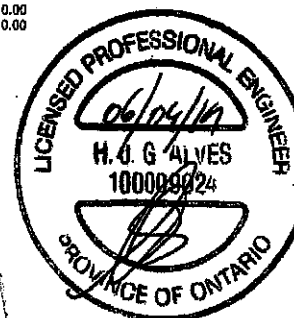
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	818	354	1667
	788	1987	1856

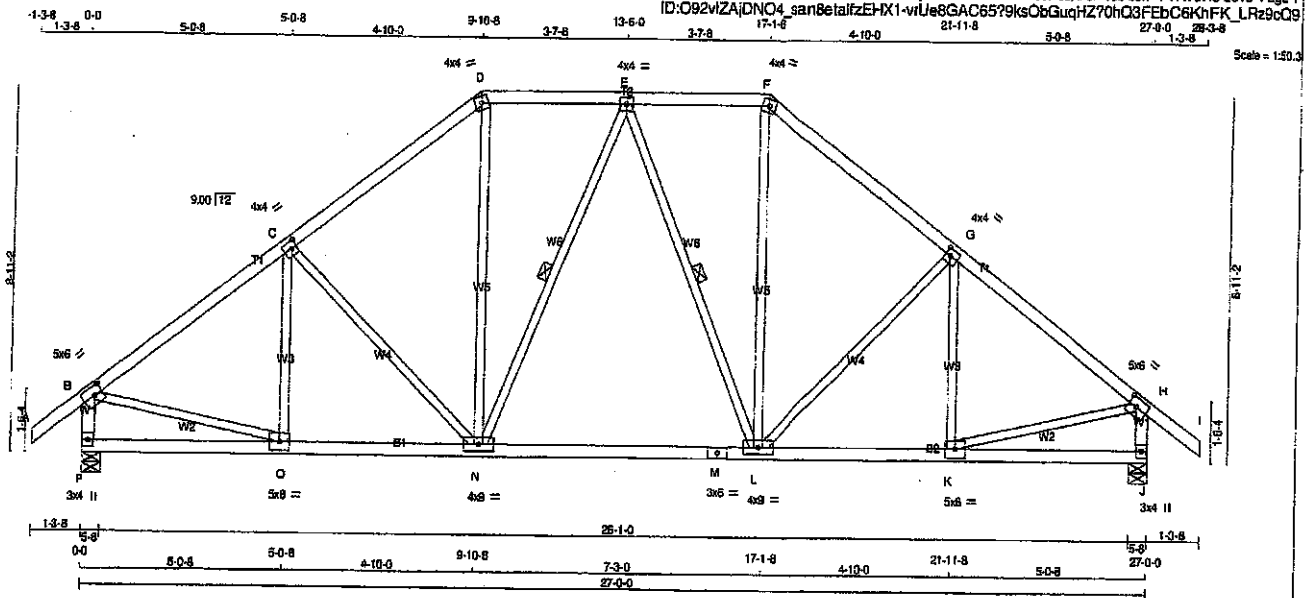
PLATE PLACEMENT TOL = 0.250 inches
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP=0.87 (C) (INPUT = 0.90)
JSI METAL=0.51 (L) (INPUT = 1.00)



Structural component only
DWG# T-1914453

JOB NAME 403229	TRUSS NAME T8	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.300.5 May 10 2019 MTek Industries, Inc. Tue Jun 4 17:19:46 2019 Page 1	



TOTAL WEIGHT = 3 X 128 = 385 lb

N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - D	2x4	DRY	No.2
E - F	2x4	DRY	No.2
G - H	2x4	DRY	No.2
I - J	2x4	DRY	No.2
K - L	2x4	DRY	No.2
M - N	2x4	DRY	No.2
O - P	2x4	DRY	No.2
Q - R	2x4	DRY	No.2
S - T	2x4	DRY	No.2

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

DESCR.
SPF
SPF
SPF
SPF
SPF
SPF
SPF
SPF
SPF

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

FACTORED		MAXIMUM FACTORED		INPUT		REQ'D	
GROSS REACTION		GROSS REACTION		BRG		BRG	
JT VERT	HORIZ	DOWN	HORIZ	UPLIFT	IN-SK	IN-SK	
P 2039	0	2039	0	0	5-8	5-8	
J 2039	0	2039	0	0	5-8	5-8	

UNFACTORED REACTIONS

1ST LCASE	MAX./MIN. COMPONENT REACTIONS						
JT COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	
P 1515	884/0	284/0	0/0	0/0	365/0	0/0	
J 1515	884/0	284/0	0/0	0/0	365/0	0/0	

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.40 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-N, E-L

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS				
MAX. FACTORED		FACTORED		MAX. FACTORED		MAX. FACTORED		
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX (PLF)	CS1 (LC)	MEMB.	FORCE (LBS)	CS1 (LC)	
FR-TO		FROM	TO		FR-TO			
A-B	0/42	-102.1	-102.1	0.14 (1)	10.00	O-C	-194/76	0.08 (1)
B-C	-2013/0	-102.1	-102.1	0.39 (1)	4.40	C-N	-351/0	0.33 (1)
C-D	-1778/0	-102.1	-102.1	0.36 (1)	4.64	N-D	0/710	0.16 (1)
D-E	-1399/0	-102.1	-102.1	0.17 (1)	5.33	L-F	0/710	0.16 (1)
E-F	-1399/0	-102.1	-102.1	0.17 (1)	5.33	L-G	-351/0	0.33 (1)
F-G	-1778/0	-102.1	-102.1	0.36 (1)	4.64	K-G	-194/76	0.08 (1)
G-H	-2013/0	-102.1	-102.1	0.39 (1)	4.40	B-O	0/1683	0.38 (1)
H-I	0/42	-102.1	-102.1	0.14 (1)	10.00	K-H	0/1683	0.38 (1)
P-B	-1956/0	0.0	0.0	0.20 (1)	6.02	N-E	-235/0	0.14 (1)
J-H	-1956/0	0.0	0.0	0.20 (1)	6.02	E-L	-235/0	0.14 (1)
P-O	0/0	-38.5	-38.5	0.16 (3)	10.00			
O-N	0/1683	-38.5	-38.5	0.45 (2)	10.00			
N-M	0/1488	-38.5	-38.5	0.43 (2)	10.00			
M-L	0/1488	-38.5	-38.5	0.43 (2)	10.00			
L-K	0/1683	-38.5	-38.5	0.45 (2)	10.00			
K-J	0/0	-38.5	-38.5	0.16 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.1 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

LOADING IN FLAT SECTION BASED ON A SLOPE OF 0.0012

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, CBC 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 28.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.90")
CALCULATED VERT. DEFL.(LL) = U/999 (0.10")
ALLOWABLE DEFL.(TL) = L/360 (0.90")
CALCULATED VERT. DEFL.(TL) = U/999 (0.16")

CSI: TC=0.39/1.00 (G-H:1), BC=0.45/1.00 (N-O:2), WB=0.38/1.00 (B-O:1), SS=0.20/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

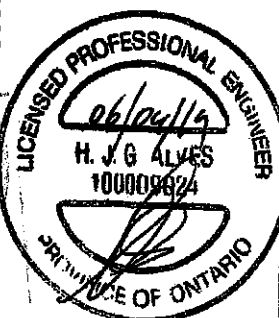
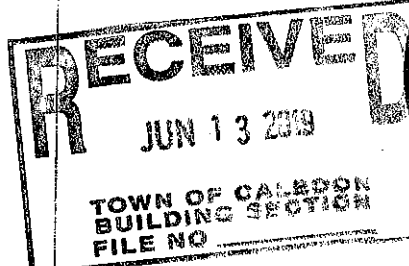
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SSI GRIP = 0.89 (B) (INPUT = 0.90)
SSI METAL = 0.56 (H) (INPUT = 1.00)



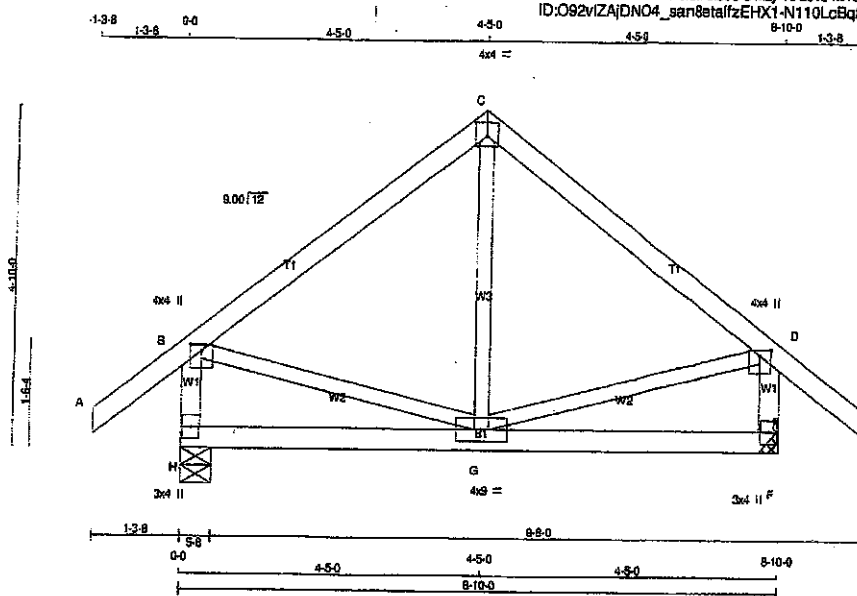
Structural component only
DWG# T-1914454

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
403229	T9	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.300 S May 10 2019 M&T Industries, Inc. Tue Jun 4 17:19:48 2019 Page 1
ID:092vIZA\DNA04_san8etalfzEHX1-N110LcBqKQ70M0zoqblW5DZuCTivKJ5Tvv4Xltz9cQ8

Scale = 1:29.3



LUMBER

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

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW-p	MT20	4.0	4.0	1.00	2.00
C TTW-p	MT20	4.0	4.0	2.25	2.00
D TMVW-p	MT20	4.0	4.0	1.00	2.00
F BMV1-p	MT20	3.0	4.0		
G BMVWW-t	MT20	4.0	9.0		
H BMV1-p	MT20	3.0	4.0		

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
H	762	0	762	0
F	762	0	762	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT F. MINIMUM BEARING LENGTH AT JOINT F = 3-8.

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
H	COMBINED	SNOW	LIVE	PERM LIVE	
H	581	337 / 0	93 / 0	0 / 0	131 / 0
F	581	337 / 0	93 / 0	0 / 0	131 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	CS1 (LC)	MAX.	MEMB.	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	CS1 (LC)
FR-TO									FR-TO						
A-B	0 / 42								G-C	0 / 180	0.04 (3)				
B-C	-405 / 0								B-G	0 / 335	0.08 (1)				
C-D	-405 / 0								G-D	0 / 335	0.08 (1)				
D-E	0 / 42														
H-B	-697 / 0														
F-D	-697 / 0														
H-G	0 / 0														
G-F	0 / 0														

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 PSF
DL = 6.0 PSF
BOT CH. LL = 19.5 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 2018, CBC 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 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $\frac{L^3}{384}$ (0.29")
CALCULATED VERT. DEFL.(LL) = $\frac{1}{899}$ (0.01")
ALLOWABLE DEFL.(TL) = $\frac{L^3}{384}$ (0.29")
CALCULATED VERT. DEFL.(TL) = $\frac{1}{899}$ (0.02")

CS1: TC=0.28/1.00 (B-C:1), BC=0.17/1.00 (G-H:3), WB=0.08/1.00 (D-G:1), SS=0.14/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

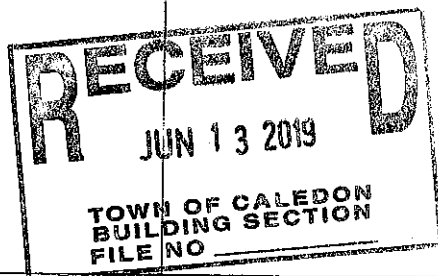
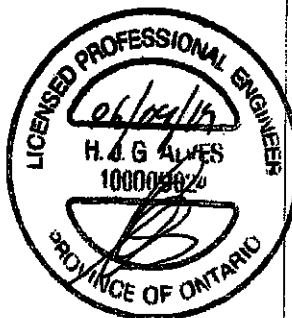
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 788 1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

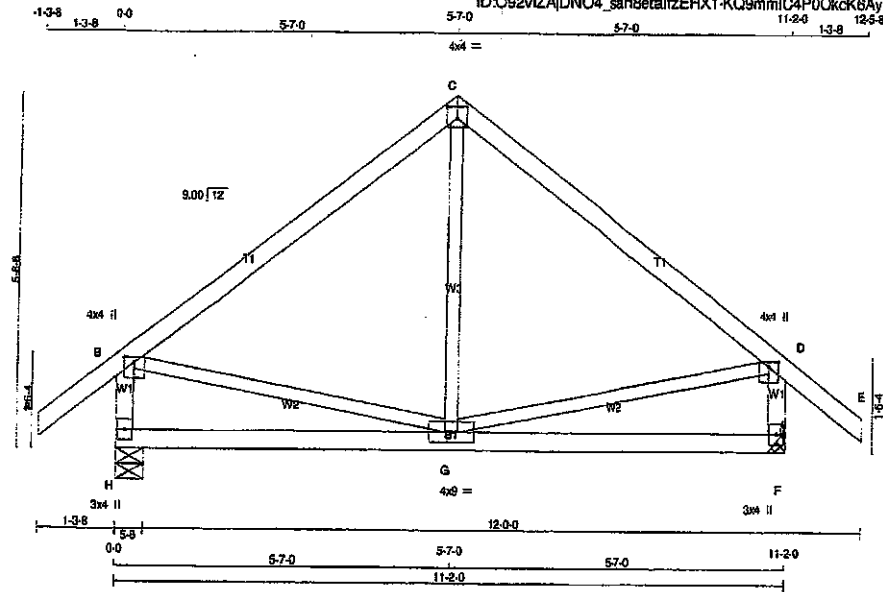
SH GRIP = 0.64 (D) (INPUT = 0.80)
SI METAL = 0.16 (D) (INPUT = 1.00)



Structural component only
DWG# T-1914455

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
403229	T10-Cond1	4	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					

Version 8.300 8 May 2019 MTEK Industries, Inc. Tue Jun 4 17:19:51 2019 Page 1
ID:092vZAJDNO4_san8etalfzEHX1-KQ9mmiC4P00kcK6Ay0N_AaeCFGJmccDmNDZeylz9cQ6
Scale = 1:32.1



TOTAL WEIGHT = 4 X 48 = 192 lb
[MIP]

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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTW+p	MT20	4.0	4.0	2.25	2.00
D	TMVW+p	MT20	4.0	4.0	1.00	2.00
F	BMV1+p	MT20	3.0	4.0		
G	BMVWW+1	MT20	4.0	9.0		
H	BMV1+p	MT20	3.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	HORIZ	UPLIFT
H	926	0	926	0
F	926	0	926	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT F. MINIMUM BEARING LENGTH AT JOINT F = 3-8.

UNFACTORED REACTIONS	1ST CASE	MAX/MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW LIVE PERM.LIVE WIND DEAD SOIL
H	883	404 / 0 117 / 0 0 / 0 0 / 0 182 / 0 0 / 0
F	883	404 / 0 117 / 0 0 / 0 0 / 0 182 / 0 0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H
BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 MAX (PLF) CSI (LC) UNBRAC LENGTH	MEMB.	FORCE (LBS) MAX CSI (LC)
FR-TO		FROM TO	FR-TO	
A-B	0 / 42	-102.1 -102.1 0.14 (1) 10.00	G-C	0 / 246 0.06 (3)
B-C	-542 / 0	-102.1 -102.1 0.41 (1) 5.25	B-G	0 / 444 0.10 (1)
C-D	-542 / 0	-102.1 -102.1 0.41 (1) 5.25	G-D	0 / 444 0.10 (1)
D-E	0 / 42	-102.1 -102.1 0.14 (1) 10.00		
H-B	-844 / 0	0.0 0.0 0.09 (1) 7.81		
F-D	-844 / 0	0.0 0.0 0.09 (1) 7.81		
H-G	0 / 0	-38.5 -38.5 0.27 (3) 10.00		
G-F	0 / 0	-38.5 -38.5 0.27 (3) 10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 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 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 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.37")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.37")
CALCULATED VERT. DEFL.(TL) = L/999 (0.05")

CSI: TC=0.41/1.00 (B-C:1), BC=0.27/1.00 (F-G:3), WB=0.10/1.00 (D-G:1), SS=0.18/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

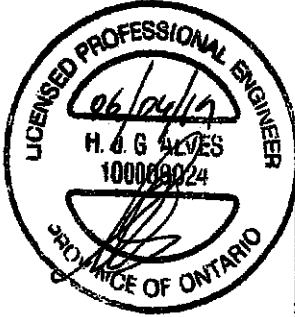
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1867 788 1987 1656

PLATE PLACEMENT TOL = 0.250 Inches

PLATE ROTATION TOL = 5.0 Deg.

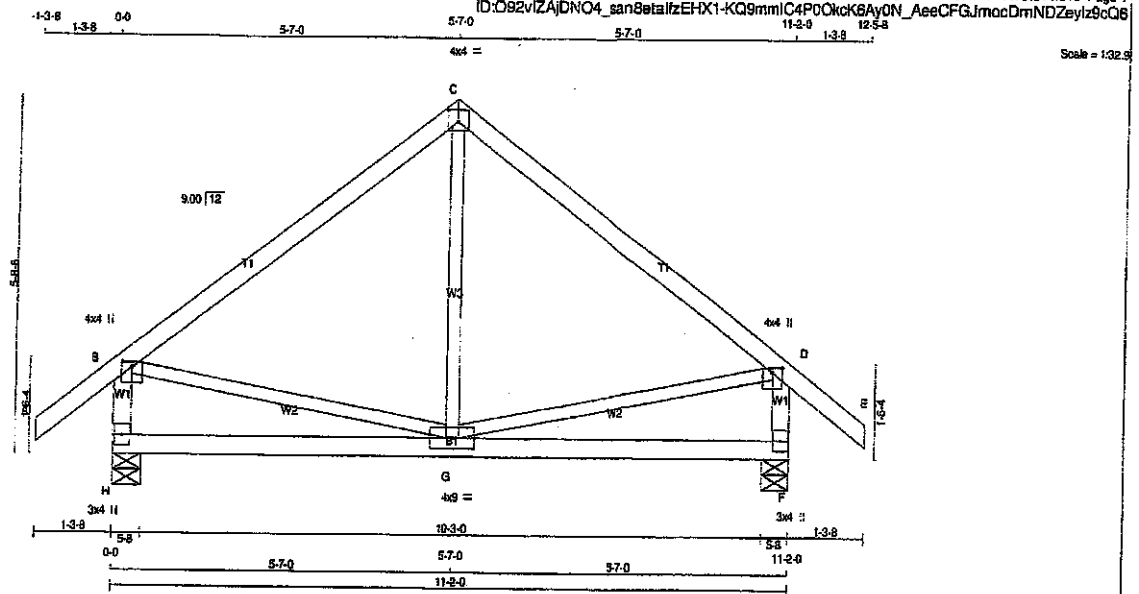
JSI GRIP=0.81 (D) (INPUT = 0.90)
JSI METAL=0.21 (D) (INPUT = 1.00)

RECEIVED
JUN 13 2019
TOWN OF CALEDON
BUILDING SECTION
FILE NO



Structural component only
DWG# T-1914457

JOB NAME 403229	TRUSS NAME T10-Cond2	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



TOTAL WEIGHT = 4 X 48 = 192 lb

LUMBER

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

ALL WEBS 2x3 DRY No.2

EXCEPT

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00 2.00
C	TTW-p	MT20	4.0	4.0	2.25 2.00
D	TMVW+p	MT20	4.0	4.0	1.00 2.00
F	BMV1+p	MT20	3.0	4.0	
G	BMVWW-t	MT20	4.0	9.0	
H	BMV1+p	MT20	3.0	4.0	

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
H	926	0	0	5-8
F	926	0	0	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
H	883	404 / 0	117 / 0	0 / 0	0 / 0	162 / 0	0 / 0
F	883	404 / 0	117 / 0	0 / 0	0 / 0	162 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (PLF)
MEMB.						MEMB.		
FR-TO						FR-TO		
A-B	0 / 42	-102.1	-102.1	0.14 (1)	10.00	G-C	0 / 248	0.06 (3)
B-C	-542 / 0	-102.1	-102.1	0.41 (1)	8.25	B-G	0 / 444	0.10 (1)
C-D	-542 / 0	-102.1	-102.1	0.41 (1)	8.25	G-D	0 / 444	0.10 (1)
D-E	0 / 42	-102.1	-102.1	0.14 (1)	10.00			
H-B	-844 / 0	0.0	0.0	0.09 (1)	7.81			
F-D	-844 / 0	0.0	0.0	0.09 (1)	7.81			
H-G	0 / 0	-38.5	-38.5	0.27 (3)	10.00			
G-F	0 / 0	-38.5	-38.5	0.27 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 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, 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 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.37")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.37")
CALCULATED VERT. DEFL.(TL) = L/999 (0.06")

CS: TC=0.41/1.00 (B-C:1), BC=0.27/1.00 (F-G:3), WB=0.10/1.00 (D-G:1), SS=0.18/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

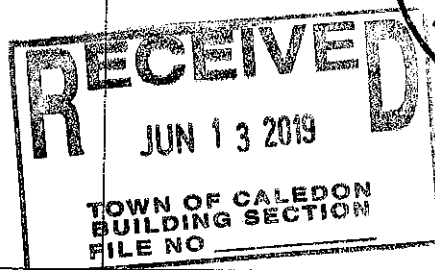
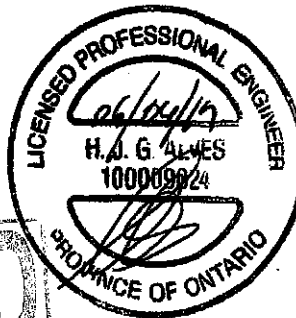
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

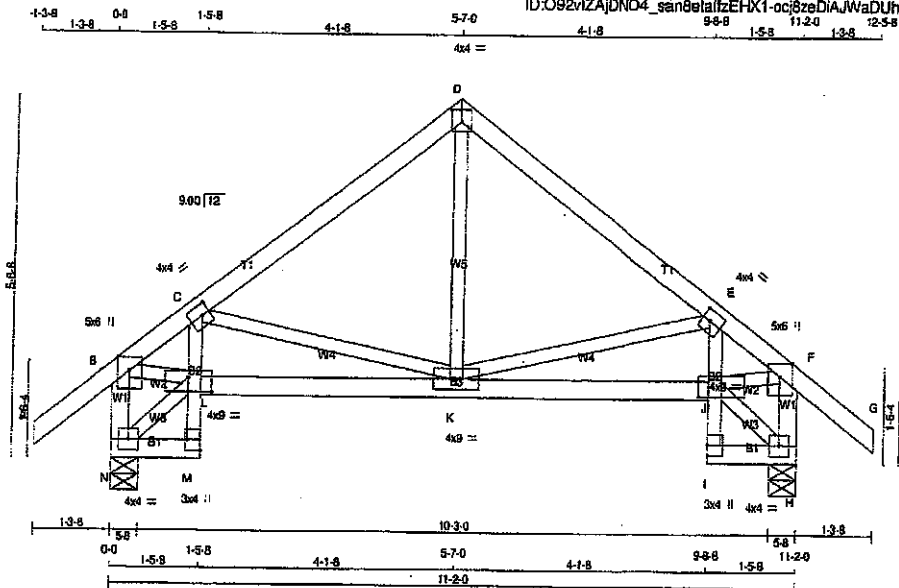
JSI GRIP=0.81 (D) (INPUT=0.90)
JSI METAL=0.21 (D) (INPUT=1.00)



Structural component only
DWG# T-1914458

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
403229	T10S	3	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					

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ID:092v1ZAJDNO4_san8etalfzEHX1-oc8zeDIAJWaduNNVkuDjRBOzg19X1?wclBUCz9cQ5



Scale = 1:32.0

TOTAL WEIGHT = 3 X 52 = 157 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
N - B	2x4	DRY	No.2
H - F	2x4	DRY	No.2
N - M	2x4	DRY	No.2
M - C	2x3	DRY	No.2
L - J	2x4	DRY	No.2
I - E	2x3	DRY	No.2
I - H	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 TMVW+p	MT20	5.0	6.0	Edge	
C TMVW-i	MT20	4.0	4.0	2.00	1.50
D TTW-p	MT20	4.0	4.0	2.25	2.00
E TMVW-i	MT20	4.0	4.0	2.00	1.50
F TMVW+p	MT20	5.0	6.0	Edge	
H BMVW-i	MT20	4.0	4.0		
I BMVW+p	MT20	3.0	4.0		
J BMVW-i	MT20	4.0	9.0	2.75	4.50
K BMVW-i	MT20	4.0	9.0		
L BMVW-i	MT20	4.0	9.0	2.75	4.50
M BMVW+p	MT20	3.0	4.0	2.00	Edge
N BMVW-i	MT20	4.0	4.0		

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

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT VERT				
N	926	0	5-8	5-8
H	926	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS					
N	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	683	404/0	117/0	0/0	0/0	182/0	0/0
H	683	404/0	117/0	0/0	0/0	182/0	0/0

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

BRACING

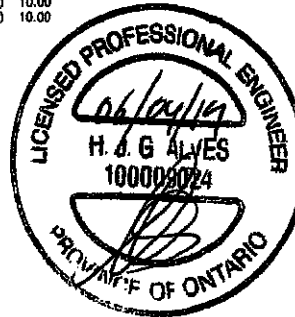
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.98 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS (LC)	
FR-TO				FR-TO			
A-B	9/42	-102.1	-102.1 0.14 (1)	K-D	0/400	0.09 (2)	
B-C	-1052/0	-102.1	-102.1 0.16 (1)	K-E	-387/0	0.13 (1)	
C-D	-941/0	-102.1	-102.1 0.22 (1)	C-K	-387/0	0.13 (1)	
D-E	-641/0	-102.1	-102.1 0.22 (1)	N-L	-17/0	0.00 (1)	
E-F	-1052/0	-102.1	-102.1 0.16 (1)	J-H	-17/0	0.00 (1)	
F-G	0/42	-102.1	-102.1 0.14 (1)	B-L	0/859	0.19 (1)	
N-B	-889/0	0.0	0.0 0.09 (1)	J-F	0/859	0.19 (1)	
H-F	-389/0	0.0	0.0 0.09 (1)				
N-M	0/14	-38.5	-38.5 0.02 (3)				
M-L	0/33	0.0	0.0 0.05 (1)				
L-C	0/85	0.0	0.0 0.05 (2)				
L-K	0/889	-38.5	-38.5 0.26 (2)				
K-J	0/889	-38.5	-38.5 0.26 (2)				
J-I	0/33	0.0	0.0 0.05 (1)				
I-E	0/85	0.0	0.0 0.05 (2)				
I-H	0/14	-38.5	-38.5 0.02 (3)				



DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 PSF
DL = 6.0 PSF
BOT CH. LL = 19.5 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, NBCC 2015

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

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

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.37")
CALCULATED VERT. DEFL.(LL) = L/909 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.37")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CSK: TG=0.22/1.00 (C-D:1), BC=0.26/1.00 (J-K:2), WS=0.19/1.00 (F-J:1), SS=0.19/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1867 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

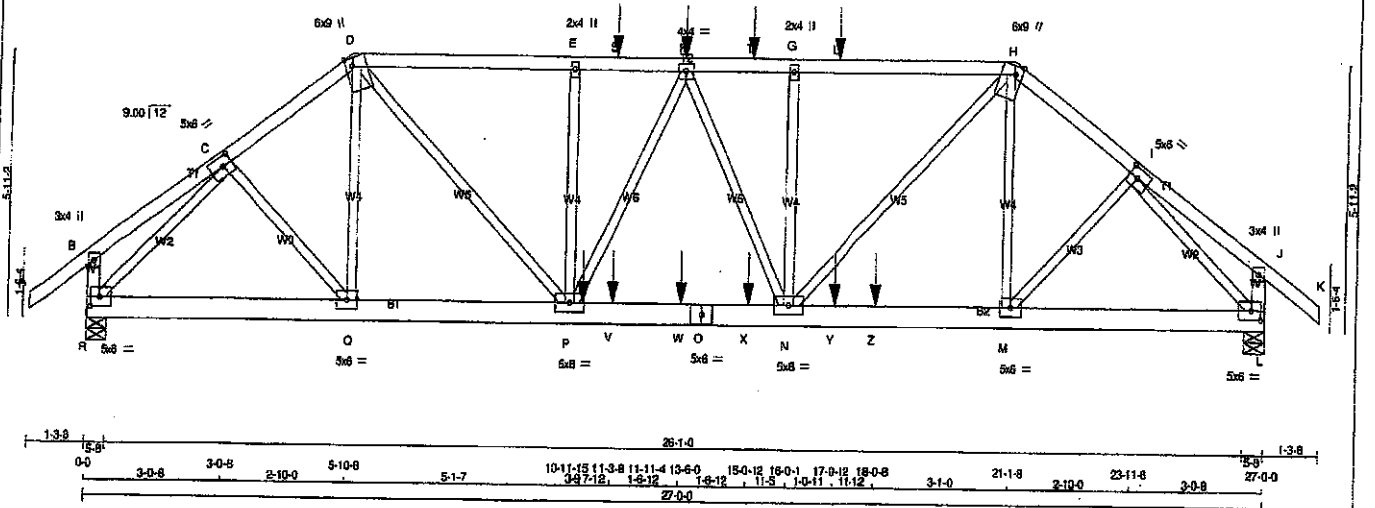
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.72 (D) (INPUT = 0.90)
JSI METAL= 0.42 (B) (INPUT = 1.00)

Structural component only
DWG# T-1914459

JOB NAME 403229	TRUSS NAME T11	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.300 S May 10 2019 Mtek Industries, Inc. Tue Jun 4 17:19:53 2019 Page 1
 ID:092v1ZAJDNO4 san8etalfzEHX1-GpHXB_EKXdeRreGZ3RPSF3kZo4wbGMX3X20ez9CQ4
 1-3-8 0-0 3-0-8 3-0-8 2-10-0 5-10-8 5-1-7 10-11-15 11-1-4 13-8-0 15-0-12 16-0-1 17-0-12 21-1-3 23-11-8 27-0-0 28-3-8
 1-3-8 0-0 3-0-8 3-0-8 2-10-0 5-1-7 10-11-15 11-1-4 13-8-0 15-0-12 16-0-1 17-0-12 21-1-3 23-11-8 27-0-0 28-3-8
 Scale = 1/4" = 1'-0"



TOTAL WEIGHT = 2 X 140 = 279 LB

CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
D - H	2x4	DRY	No.2
H - K	2x4	DRY	No.2
R - B	2x4	DRY	No.2
L - J	2x4	DRY	No.2
R - O	2x6	DRY	No.2
O - L	2x6	DRY	No.2
ALL WEBS EXCEPT	2x3	DRY	No.2

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-D	12	TOP
D-H	12	SIDE(0.0)
H-K	12	TOP
R-B	12	TOP
L-J	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
R-O	12	SIDE(182.1)
O-L	12	SIDE(0.0)
WEBS : (0.122"x3") SPIRAL NAILS		
E-P	6	SIDE(148.2)
2x3	6	SIDE(148.2)

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (Inches)	PLATES	W	LEN	Y	X
JT TYPE					
B TMV+p	MT20	3.0	4.0		
C TMVW+L	MT20	5.0	6.0	2.50	2.50
D TTMVW+m	MT20	6.0	9.0	Edge	2.00
E TMVW+w	MT20	2.0	4.0		
F TMVW+L	MT20	4.0	4.0		
G TMVW+w	MT20	2.0	4.0		
H TTMVW+m	MT20	6.0	9.0	Edge	2.00
I TMVW+L	MT20	5.0	6.0	2.50	2.50
J TMV+p	MT20	3.0	4.0		
L BMVW+L	MT20	5.0	6.0	2.50	2.50
M BMVW+L	MT20	5.0	6.0		
N BMVW+L	MT20	5.0	6.0		
O BS-L	MT20	5.0	6.0		
P BMVW+L	MT20	5.0	6.0		
Q BMVW+L	MT20	5.0	6.0		
R BMVW+L	MT20	5.0	6.0	2.50	2.50

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

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

FACTORED	MAXIMUM FACTORED	INPUT	RECORD
GROSS REACTION	GROSS REACTION	BRG	BRG
JT VERT	DOWN	UPLIFT	IN-SX
L 3888	0	0	5-8
R 3881	0	0	5-8

1ST LCASE	MAX/MIN COMPONENT REACTIONS	DEAD	SOIL
JT COMBINED			
L 2859	1677 / 0	501 / 0	0 / 0
R 2708	1584 / 0	478 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	MAX. FACTORED	WEBS	MAX. FACTORED	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	FORCE (LBS)
FR-TO		FROM TO			FR-TO	
A-B	0 / 42	-102.1 -102.1	0.08 (1)	10.00	Q-D	-187 / 89
B-C	0 / 13	-102.1 -102.1	0.08 (1)	10.00	D-P	0 / 3178
C-D	-4182 / 0	-102.1 -102.1	0.13 (1)	4.57	P-E	-518 / 0
D-E	-5479 / 0	-102.1 -102.1	0.34 (1)	3.99	N-G	-548 / 0
E-S	-5479 / 0	-102.1 -102.1	0.26 (1)	3.92	N-H	0 / 2298
S-F	-5479 / 0	-102.1 -102.1	0.26 (1)	3.92	M-H	0 / 246
F-T	-5569 / 0	-102.1 -102.1	0.27 (1)	3.88	P-F	-175 / 0
T-G	-5569 / 0	-102.1 -102.1	0.27 (1)	3.88	R-C	-4402 / 0
G-U	-5569 / 0	-102.1 -102.1	0.35 (1)	3.85	C-Q	0 / 600
U-H	-5569 / 0	-102.1 -102.1	0.35 (1)	3.85	M-I	0 / 671
H-I	-4523 / 0	-102.1 -102.1	0.14 (1)	4.41	I-L	-4741 / 0
I-J	-1 / 11	-102.1 -102.1	0.06 (1)	10.00	F-N	0 / 671
J-K	0 / 42	-102.1 -102.1	0.08 (1)	10.00		
R-B	-288 / 0	0.0	0.0	0.02 (1)	7.81	
L-J	-271 / 0	0.0	0.0	0.02 (1)	7.81	
R-Q	0 / 2917	-38.5	-38.5	0.23 (1)	10.00	
Q-P	0 / 3322	-38.5	-38.5	0.26 (1)	10.00	
P-V	0 / 5551	-38.5	-38.5	0.83 (1)	10.00	
V-W	0 / 5551	-38.5	-38.5	0.83 (1)	10.00	
W-O	0 / 5551	-38.5	-38.5	0.83 (1)	10.00	
O-X	0 / 5551	-38.5	-38.5	0.83 (1)	10.00	
X-N	0 / 5551	-38.5	-38.5	0.83 (1)	10.00	
N-Y	0 / 3602	-38.5	-38.5	0.60 (1)	10.00	
Y-Z	0 / 3602	-38.5	-38.5	0.60 (1)	10.00	
Z-M	0 / 3602	-38.5	-38.5	0.83 (1)	10.00	
M-L	0 / 3142	-38.5	-38.5	0.36 (1)	10.00	

FACTORED CONCENTRATED LOADS (LBS)	FACE	DIR.	TOTAL
JT LOC.			
P 13-6-0	-29	FRONT	VERT
P 11-3-8	-1262	FRONT	VERT
S 11-11-4	-29	FRONT	VERT
T 15-0-12	-29	FRONT	VERT
U 17-0-12	-29	FRONT	VERT
V 11-11-4	-244	FRONT	VERT
W 13-6-0	-244	FRONT	VERT
X 15-0-12	-244	FRONT	VERT
Y 17-0-12	-244	FRONT	VERT
Z 18-0-8	-1098	FRONT	VERT

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 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, OBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(65 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/960 (0.90")
CALCULATED VERT. DEFL.(LL) = L/989 (0.10")
ALLOWABLE DEFL.(TL) = L/960 (0.90")
CALCULATED VERT. DEFL.(TL) = L/999 (0.17")

CSI: TC=0.35/1.00 (G-H:1), SC=0.63/1.00 (N-P:1), WB=0.75/1.00 (I-L:1), SSI=0.33/1.00 (M-N:1)

DOL LUMBER=1.00 NAIL=1.00 LBS BEND=1.00

COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

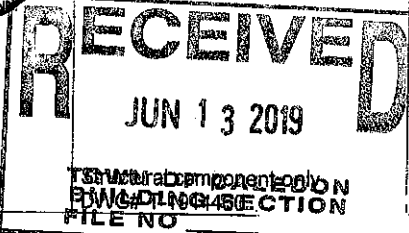
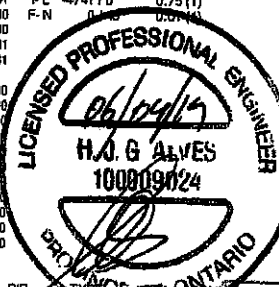
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1687 798 1987 1685

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP=0.90 (I) (INPUT = 0.90)

JSI METAL=0.81 (O) (INPUT = 1.00)





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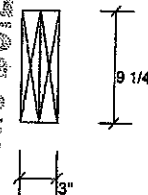
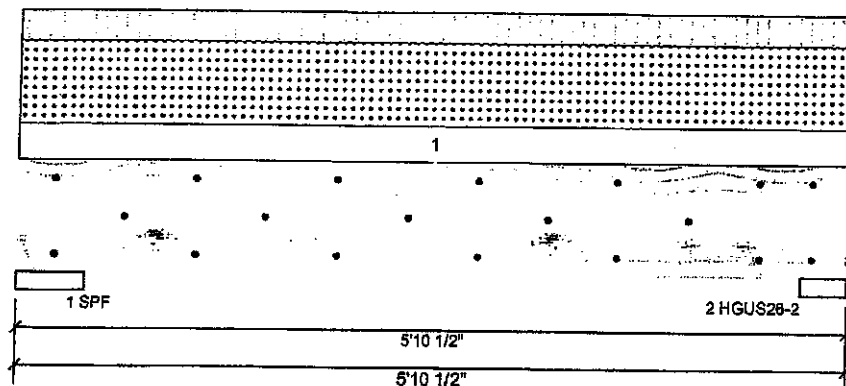
Client: Greenpark Homes
 Project: BARTON 2 E.3
 Address: Caledon

Date: 2019-05-22
 Designer: Brian
 Job Name: Lamberts Lane PH.2
 Project #: 201008

Page 3 of 4

BM1 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level



Member Information

Type: Girder
 Plies: 2
 Moisture Condition: Dry
 Deflection LL: 360
 Deflection TL: 360
 Importance: Normal

Application: Floor (Residential)
 Design Method: LSD
 Building Code: NBCC 2015 / OBC 2012
 Load Sharing: No
 Deck: Not Checked
 Vibration: Not Checked

Unfactored Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind
1	149	178	405	0
2	142	168	388	0

Bearings and Factored Reactions

Bearing	Length	Cap. React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	5.500"	10%	219 / 756	975 L	1.25D+1.5S +L
2 - HGUS...	4.000"	13%	210 / 725	935 L	1.25D+1.5S +L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1102 ft-lb	3'	6039 ft-lb	0.183 (18%)	1.25D+1.5S +L	L
Unbraced	1102 ft-lb	3'	5236 ft-lb	0.211 (21%)	1.25D+1.5S +L	L
Shear	847 lb	1'2"	3984 lb	0.213 (21%)	1.25D+1.5S +L	L
Perm Def in. (L/17587)	0.004	3'	0.174 (L/360)	0.020 (2%)	D	Uniform
LL Def in.	0.010 (L/6440)	3'	0.174 (L/360)	0.080 (8%)	S+0.5L	L
TL Def in.	0.013 (L/4714)	3'	0.174 (L/360)	0.080 (8%)	D+S+0.5L	L

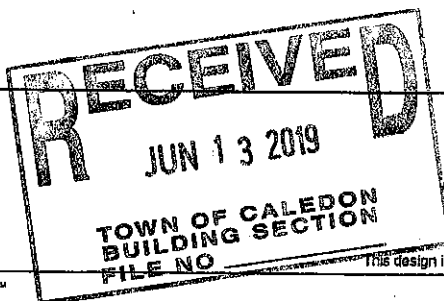
Design Notes

- 1 Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings.
- 6 Lateral slenderness ratio based on single ply width.



DWG NO. TAM 119/4462
 STRUCTURAL
 COMPONENT ONLY 1/2

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Part. Uniform	0-0-0 to 5-10-8	4-6-0	Near Face	13 PSF	11 PSF	30 PSF	0 PSF	



Manufacturer Info

TAMARACK LUMBER
 3255 NORTH SERVICE RD, ON
 CANADA
 (905) 335-1115





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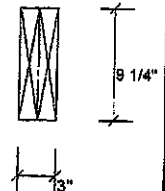
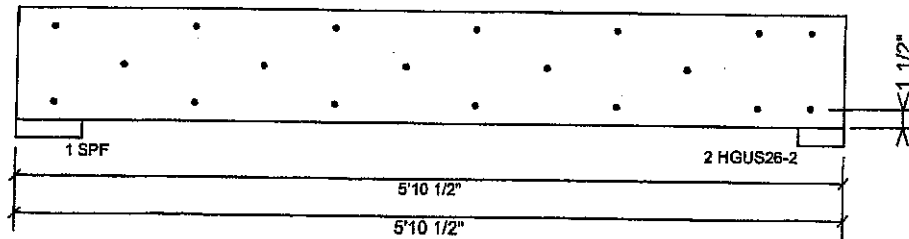
Client: Greenpark Homes
Project: BARTON 2 E.3
Address: Caledon

Date: 2019-05-22
Designer: Brian
Job Name: Lamberts Lane PH.2
Project #: 201008

Page 4 of 4

BM1 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

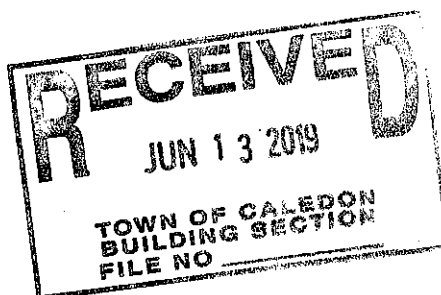
Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6"

Capacity	42.4 %
Load	162.6 PLF
Yield Limit per Foot	383.4 PLF
Yield Limit per Fastener	127.8 lb.
Yield Mode	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S+L
Duration Factor	1.00



DWG NO. TAM T1914462
STRUCTURAL
COMPONENT ONLY 1/2

Manufacturer Info	TAMARACK LUMBER 3255 NORTH SERVICE RD, ON CANADA (905) 335-1115
	TAMARACK LUMBER INC. ALPA LUMBER GROUP

This design is valid until 2021-12-11





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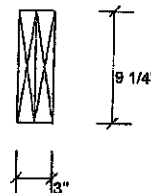
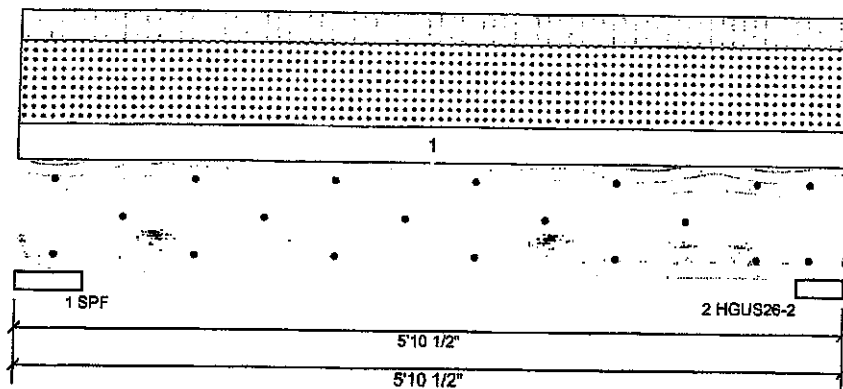
Client: Greenpark Homes
 Project: BARTON 2 E.3
 Address: Caledon

Date: 2019-05-22
 Designer: Brian
 Job Name: Lamberts Lane PH.2
 Project #: 201008

Page 1 of 4

BM2 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

**Member Information**

Type: Girder
 Piles: 2
 Moisture Condition: Dry
 Deflection LL: 360
 Deflection TL: 360
 Importance: Normal

Application: Floor (Residential)
 Design Method: LSD
 Building Code: NBCC 2015 / OBC 2012
 Load Sharing: No
 Deck: Not Checked
 Vibration: Not Checked

Unfactored Reactions UNPATTERNED lb (Uplift)

Brq	Live	Dead	Snow	Wind
1	198	234	540	0
2	190	224	518	0

Bearings and Factored Reactions

Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5.500"	13% 293 / 1008	1301 L	1.25D+1.5S +L
2 - HGUS...	4.000"	17% 280 / 986	1246 L	1.25D+1.5S +L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1470 ft-lb	3'	6039 ft-lb	0.243 (24%)	1.25D+1.5S +L	L
Unbraced	1470 ft-lb	3'	5236 ft-lb	0.281 (28%)	1.25D+1.5S +L	L
Shear	1129 lb	12"	3984 lb	0.283 (28%)	1.25D+1.5S +L	L
Perm Defl in. (L/13191)	0.005	3'	0.174 (L/360)	0.030 (3%)	D	Uniform
LL Defl inch (L/4830)	0.013	3'	0.174 (L/360)	0.070 (7%)	S+0.5L	L
TL Defl inch (L/3536)	0.018	3'	0.174 (L/360)	0.100 (10%)	D+S+0.5L	L

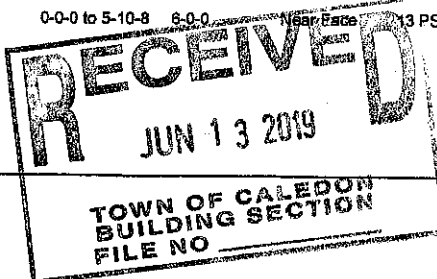
Design Notes

- 1 Fasten all piles using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings.
- 6 Lateral slenderness ratio based on single ply width.



JWG NO. TAM T1914461
 STRUCTURAL
 COMPONENT ONLY 1/2

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Part Uniform	0-0-0 to 5-10-8	6-0-0	Near Base	13 PSF	11 PSF	30 PSF	0 PSF	

**Manufacturer Info**

TAMARACK LUMBER
 3255 NORTH SERVICE RD, ON
 CANADA
 (905) 335-1115



This design is valid until 2021-12-11





isDesign™

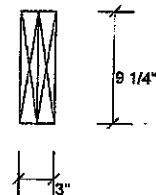
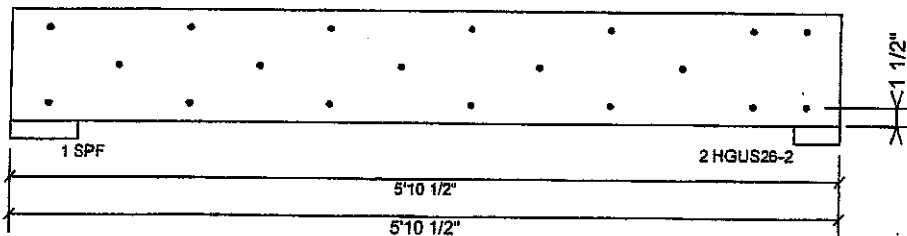
Client: Greenpark Homes
Project: BARTON 2 E.3
Address: Caledon

Date: 2019-05-22
Designer: Brian
Job Name: Lamberts Lane PH.2
Project #: 201008

Page 2 of 4

BM2 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

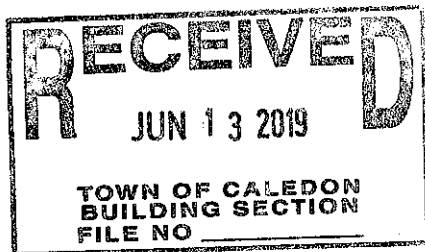
Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6"

Capacity	56.5 %
Load	216.8 PLF
Yield Limit per Foot	383.4 PLF
Yield Limit per Fastener	127.8 lb.
Yield Mode	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S+L
Duration Factor	1.00



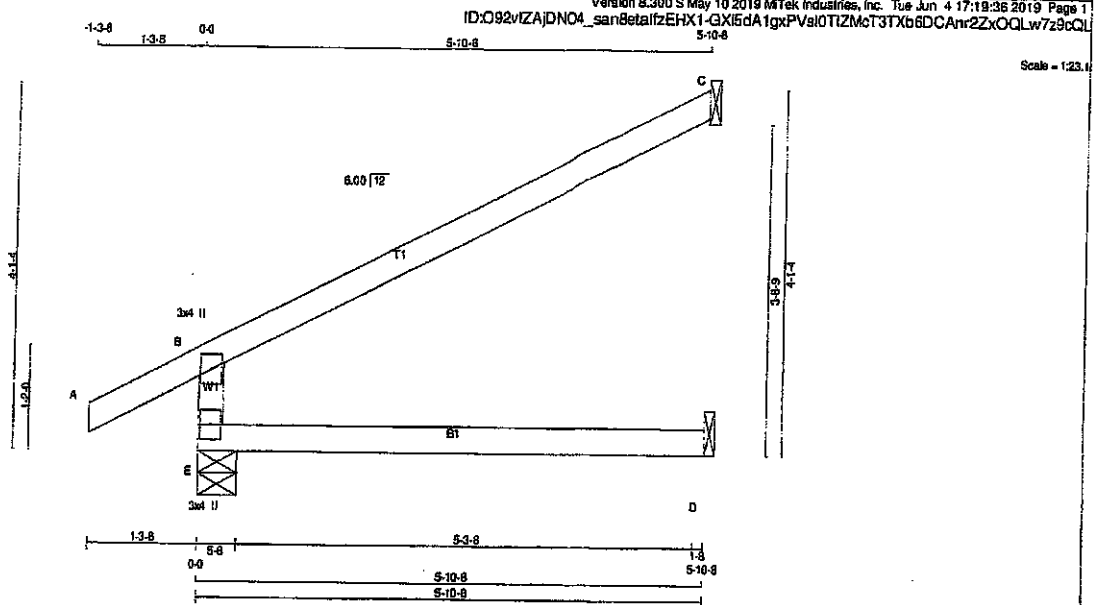
DWG NO. TAM 17914461
STRUCTURAL
COMPONENT ONLY 3/2

Manufacturer Info	TAMARACK LUMBER 3255 NORTH SERVICE RD, ON CANADA (905) 335-1115
	TAMARACK LUMBER INC ALPHA LUMBER GROUP

This design is valid until 2021-12-11



JOB NAME 403229	TRUSS NAME J1	QUANTITY 9	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



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

DRY: SEASONED LUMBER.

PLATES (table in inches)					
JT	TYPE	PLATES	W	LEN	Y
B	TMV+p	MT20	3.0	4.0	X
E	BMV1+p	MT20	3.0	4.0	

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS	REACTION	GROSS	REACTION	BRG	BRG	BRG	BRG
E	648	0	648	0	0	5-8	5-8	5-8	5-8
C	225	0	225	0	0	1-8	1-8	1-8	1-8
D	93	0	118	0	0	1-8	1-8	1-8	1-8

SEE MITEK STANDARD DETAIL B97731H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

1ST CASE		MAX MIN COMPONENT REACTIONS		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM	LIVE	WIND	DEAD	SOIL	SOIL
E	473	292 / 0	72 / 0	0 / 0	0 / 0	109 / 0	0 / 0	0 / 0	0 / 0
C	154	128 / 0	0 / 0	0 / 0	0 / 0	26 / 0	0 / 0	0 / 0	0 / 0
D	85	0 / 0	51 / 0	0 / 0	0 / 0	34 / 0	0 / 0	0 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	MAX. FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX (PLF)	MEMB.	MAX. FORCE (LBS)	UNBRACED LENGTH (FT)	MAX. FORCE (LBS)
FR-TO		FROM	TO	FR-TO			
E-B	-314 / 0	0.0	0.0	0.22 (3)	7.81		
A-B	0 / 31	-102.1	-102.1	0.13 (1)	10.00		
B-C	-34 / 0	-102.1	-102.1	0.60 (1)	6.25		
E-D	0 / 0	-38.5	-38.5	0.22 (3)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 32.5 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 NBCC 2010, CBC 2012
- CSA 988-09, CSA 988-14
- TPIC 2011, TPIC 2014

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

(55% OF 37.6 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.20")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.04")
ALLOWABLE DEFL.(TL) = $L/360$ (0.20")
CALCULATED VERT. DEFL.(TL) = $L/942$ (0.07")

CS: TC=0.60/1.00 (B-C:1), BC=0.22/1.00 (D-E:3), WB=0.00/1.00 (n/a:0), SS=0.26/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

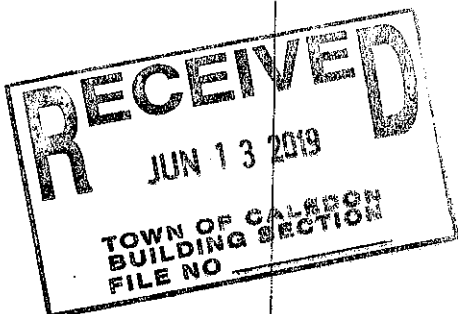
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP=0.21 (E) (INPUT = 0.90)
JSI METAL=0.14 (B) (INPUT = 1.00)



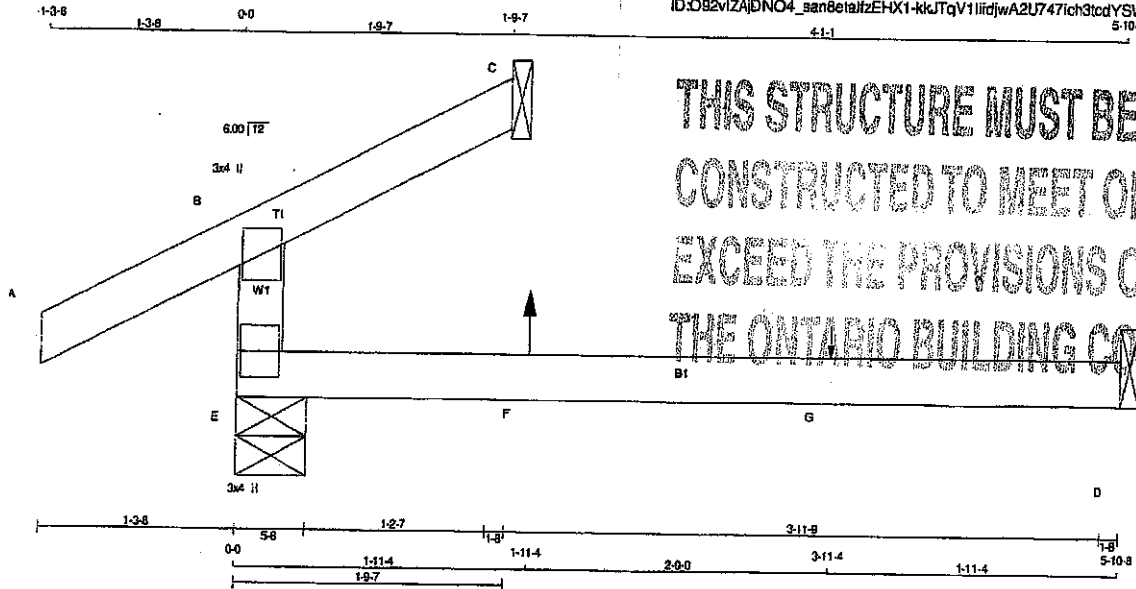
Structural component only
DWG# T-1914440

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
403229	J2	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.300 S May 10 2019 Mitek Industries, Inc. Tue Jun 4 17:19:37 2019 Page 1
ID:092vIZAJDNO4_san8etalfzEHX1-kkJTqV1lIdfjwA2U747ich3tdYSWIII92AUSZz9cOK

Scale = 1:12.2



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
E	BMV+p	MT20	3.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
	VERT	DOWN	IN-SX	IN-SX
JT	352	0	0	5-8
E	94	0	0	1-8
C	94	0	0	1-8
D	94	0	0	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS	1ST CASE	MAX/MIN COMPONENT REACTIONS
	COMBINED	SNOW LIVE PERM.LIVE WIND DEAD SOIL
JT	259	156/0 42/0 0/0 0/0 61/0 0/0
E	76	24/0 28/0 0/0 0/0 24/0 0/0
C	86	0/3 53/0 0/0 0/0 35/0 0/0
D		

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

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: (7)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 (PLF) CSI (LC)	MEMB.	FORCE (LBS) CSI (LC)
FR-TO		FROM TO	FR-TO	
E-B	-229/25	0.0 0.0 0.17 (3) 7.81		
A-B	0/31	-102.1 -102.1 0.13 (1) 10.00		
B-C	0/27	-102.1 -102.1 0.15 (3) 10.00		
E-F	0/0	-38.5 -38.5 0.21 (3) 10.00		
F-G	0/0	-38.5 -38.5 0.21 (3) 10.00		
G-D	0/0	-38.5 -38.5 0.21 (3) 10.00		

FACTORED CONCENTRATED LOADS (LBS)	JT	LOC	LC1	MAX	MAX	FACE	DIR.	TYPE	HEEL	CONN.
	F	1-11-4	8	1	13	FRONT	VERT	TOTAL	-	C1
	G	3-11-4	1	1	-	FRONT	VERT	TOTAL	-	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.1 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 23.8 IN. OC

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, OBC 2012
- CSA 886-09, CSA 886-14
- TPIC 2011, TPIC 2014

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

(55% OF 87.5 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = 1/839 (0.08")

CSI: TC=0.17/1.00 (B-E3), BC=0.21/1.00 (D-E3),
WB=0.00/1.00 (W-A3), SSI=0.13/1.00 (D-E3)

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

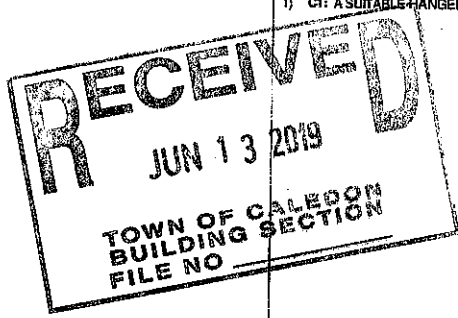
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES	PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)	
	MAX	MIN	MAX	MIN
MT20	618	354	1667	788 1997 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.10 (E) (INPUT = 0.90)
JSI METAL= 0.06 (E) (INPUT = 1.00)

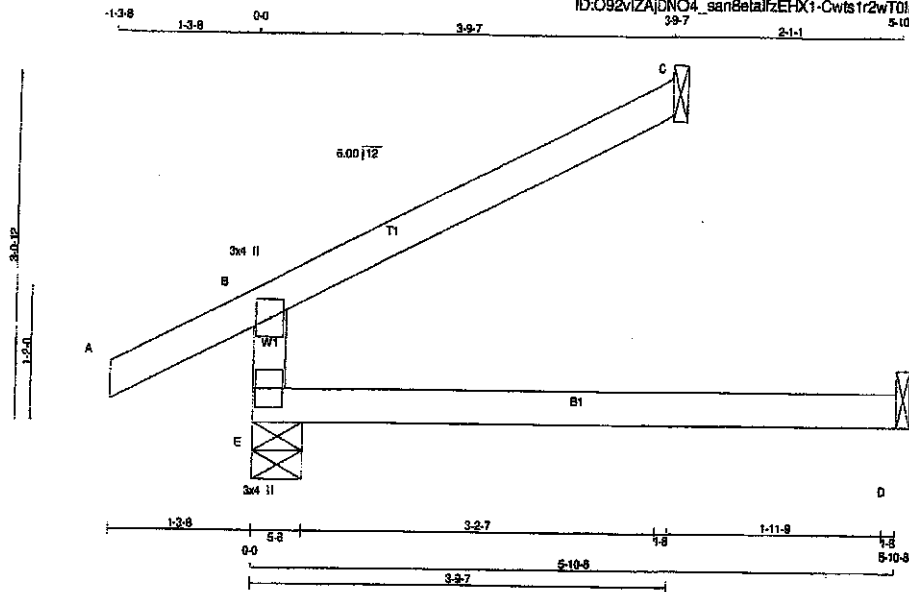


Structural component only
DWG# T-1914441

JOB NAME 403229	TRUSS NAME J3	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:092v1ZAJDNO4_san8etalfzEHX1-Cwts1r2wT0laYKdghnax9uc151umFIYsOivs_0z9cQU
39-7 2-1-1 5-10-8

Scale = 1:18.1



TOTAL WEIGHT = 2 X 14 = 28 lb

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMV-p	MT20	3.0	4.0	
E	BMV1-p	MT20	3.0	4.0	

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS REACTION	GROSS REACTION	DOWN	HORZ	UP/LIFT	IN-SX	IN-SX	BRG
E	512	0	513	0	0	5-8	5-8	5-8	
C	145	0	145	0	0	1-8	1-8	1-8	
D	93	0	119	0	0	1-8	1-8	1-8	

SEE MITEK STANDARD DETAIL B97781H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	382	216/0	72/0	0/0	0/0	93/0	0/0
C	100	63/0	0/0	0/0	0/0	17/0	0/0
D	85	0/0	51/0	0/0	0/0	34/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E, 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		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	CS1 (LC)	MAX. MEMB. FORCE (LBS)	MAX. CS1 (LC)	MAX. MEMB. FORCE (LBS)	MAX. CS1 (LC)
FR-TO		FROM TO					
E-B	-380/0	0.0	0.0	0.21 (3)	7.81		
A-B	0/31	-102.1	-102.1	0.13 (1)	10.00		
B-C	-22/0	-102.1	-102.1	0.25 (1)	6.25		
E-D	0/0	-38.5	-38.5	0.21 (3)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 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 NBCC 2015, CBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/589 (0.04")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/942 (0.07")

CS1: TC=0.25/1.00 (B-C:1), BC=0.21/1.00 (D-E:3), WS=0.00/1.00 (N/A:0), SS=0.17/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

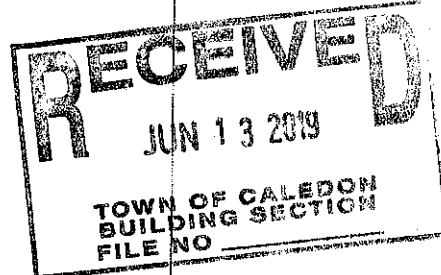
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PS) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 518 354 1867 788 1987 1656

PLATE PLACEMENT TOL = 0.250 inches

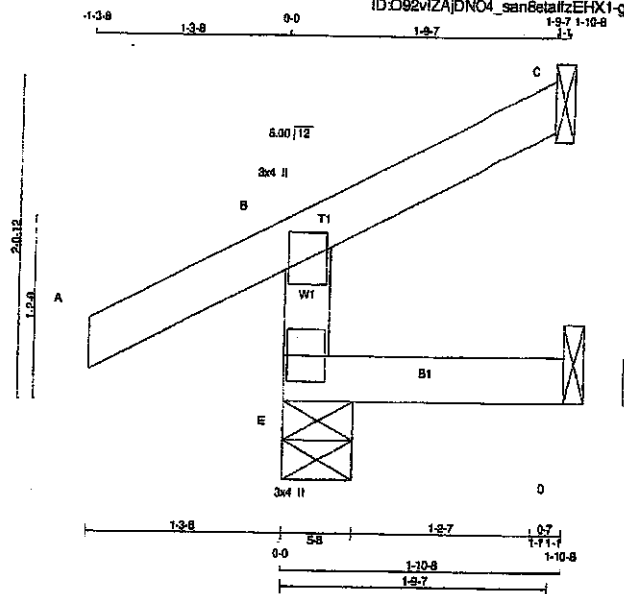
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.18 (5) (INPUT = 0.90)
JSI METAL = 0.11 (5) (INPUT = 1.00)



Structural component only
DWG# T-1914442

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
403229	J4	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
Version 8.300 S May 10 2019 MTEK Industries, Inc. Tue Jun 4 17:19:39 2019 Page 1					
ID:092vZAJDNO4_san8etaltzEHX1-g6REFB3YEKIR9UCIFV9Ah69DIRH-b_Co?dM1?XSz9cQ					
Scale = 1:13.2					



LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
9	TMV+p	MT20	3.0	4.0	
E	BMV1+p	MT20	3.0	4.0	

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
E	318	0	318	0
C	51	0	51	0
D	24	0	41	0

SEE MTEK STANDARD DETAIL B87791H FOR CONNECTION TO JOINT(S) C, D

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS FACTORED UPLIFT

PROVIDE ANCHORAGE AT BEARING JOINT D FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST LOOSE	MAX./MIN.	COMPONENT REACTIONS
	COMBINED	SNOW	LIVE
E	225	180/0	20/0
C	35	27/-21	2/0
D	24	0/-8	18/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E, 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: (5)

CHORDS	MEMB.	MAX. FACTORED	FACTORED	WEBS	MEMB.	MAX. FACTORED
		FORCE (LBS)	VERT. LOAD LC1 MAX (PLF)			FORCE (LBS)
FR-TO			FROM TO	LENGTH FR-TO		
E-B	-270/0	0.0	0.0 0.04 (5)	7.81		
A-B	0/31	-102.1	-102.1 0.13 (1)	10.00		
B-C	-18/0	-102.1	-102.1 0.10 (1)	8.25		
E-D	0/0	-38.5	-38.5 0.04 (5)	10.00		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 2 X 7 = 14 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	29.1	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 NBCC 2010, NBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55% OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.1 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=0.13/1.00 (A-B:1), BC=0.04/1.00 (D-E:5),
WB=0.09/1.00 (A-B:1), SS=0.10/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354 1667 788 1987 1668	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.11 (S) (INPUT = 0.90)
JSI METAL = 0.87 (S) (INPUT = 1.00)

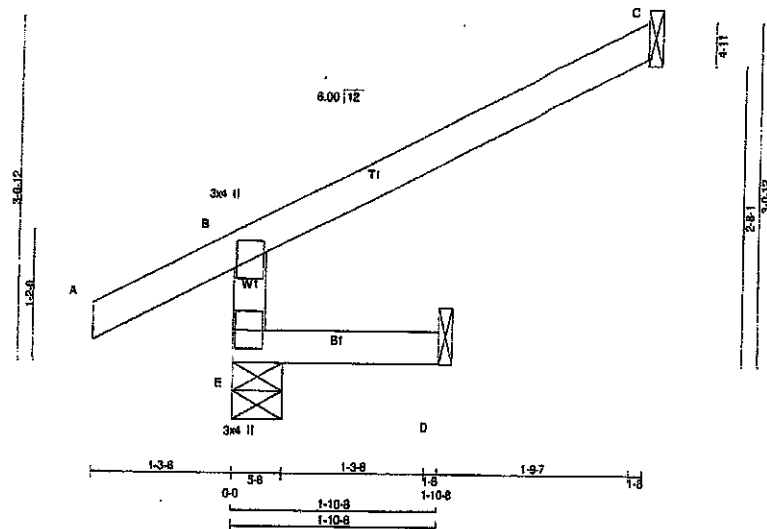


Structural component only
DWG# T-1914443

JOB NAME 403229	TRUSS NAME J5	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
Tamarack Roof Truss, Burlington						

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 ID:092vIZAIDNO4_san8ataifzEHX1-g6REFB3YEKIR9UCIFV9Ah69CrRHn_Co?dMI?XSz9cQI
 1-10-5 1-10-15 3-9-7

Scale = 1:18.3



LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
E	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
E	420	0	420	0	5-8	5-8
C	145	0	145	0	1-8	1-8
D	32	0	41	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST CASE COMBINED		MAX/MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	SNOW	LIVE	PERM. LIVE	WIND			
E	297	216/0	22/0	0/0	0/0	58/0	0/0
C	100	88/0	0/0	0/0	0/0	17/0	0/0
D	29	0/0	18/0	0/0	0/0	12/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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	
	MAX. FACTORED FORCE (LBS)	VERT. LOAD LC1 (PLF)	MAX. FACTORED CS1 (LC)	MAX. FACTORED UNBRACED LENGTH	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS1 (LC)
FR-TO						
E-B	-380/0	0.0	0.0	0.01 (3)	7.81	
A-B	0/31	-102.1	-102.1	0.14 (5)	10.00	
B-C	-22/0	-102.1	-102.1	0.25 (1)	6.25	
E-D	0/0	-38.5	-38.5	0.03 (3)	10.00	

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 2 X 10 = 19 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 29.1	PSF
	DL = 8.0	PSF
BOT CH.	LL = 10.5	PSF
	DL = 7.0	PSF
TOTAL LOAD	= 52.5	PSF

SPACING = 24.0 IN. GC

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

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.1 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")

CS1: TC=0.25/1.00 (B-C:1), BC=0.03/1.00 (D-E:3),
 WB=0.00/1.00 (F-G:0), SS1=0.17/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

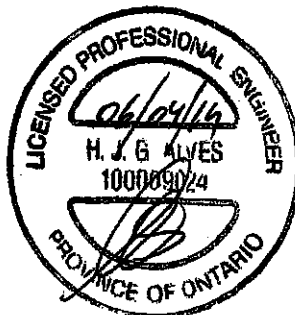
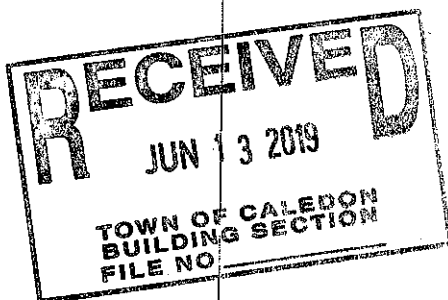
NAIL VALUES

PLATE	GRP(DRY)	SHEAR (PSI)	SECTION (PL)
	MAX	MIN	MAX
MT20	618	354	1887
	MAX	MIN	MAX
	618	354	1887

PLATE PLACEMENT TOL. = 0.250 inches

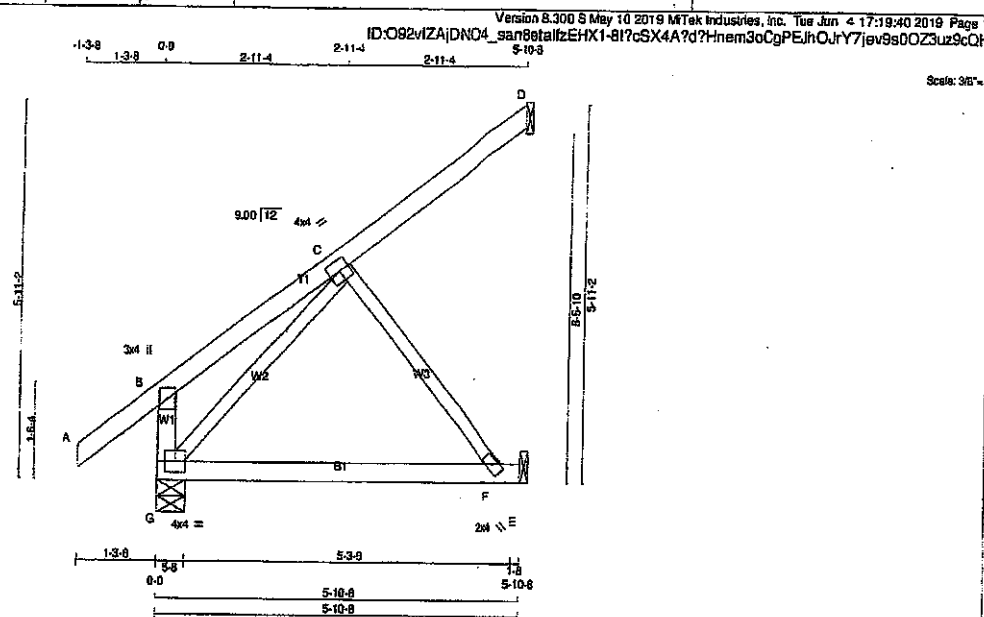
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.16 (E) (INPUT = 0.50)
 JSI METAL = 0.11 (B) (INPUT = 1.03)



Structural component only
 DWG# T-1914444

JOB NAME 403229	TRUSS NAME J6	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



TOTAL WEIGHT = 4 X 25 = 100 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
G - B	2x4	DRY	No.2	SPF		
A - D	2x4	DRY	No.2	SPF		
G - E	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	REQD
GROSS REACTION	GROSS REACTION	BRG	BRG	
JT VERT	DOWN	HORIZ	UPLIFT	IN-SX
G	554	0	0	5-8
D	131	0	0	1-8
E	282	0	0	1-8

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, CBC 2012
- CSA 088-09, 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 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/611 (0.09")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/489 (0.15")

CSI: TC=0.14/1.00 (A-B:1), BC=0.34/1.00 (F-G:2), WB=0.07/1.00 (C-F:1), SS=0.22/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(FSI) (FLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 798 1967 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.24 (C) (INPUT = 0.90)
JSI METAL=0.12 (F) (INPUT = 1.00)

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMV-p	MT20	3.0	4.0		
C	TMVW-t	MT20	4.0	4.0		
F	BMV-w	MT20	2.0	4.0		
G	BMVW-t	MT20	4.0	4.0		

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) D, E

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	405	251 / 0	62 / 0	0 / 0	0 / 0	93 / 0	0 / 0
D	91	71 / 0	3 / 0	0 / 0	0 / 0	17 / 0	0 / 0
E	218	100 / 0	58 / 0	0 / 0	0 / 0	59 / 0	0 / 0

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

BRACING

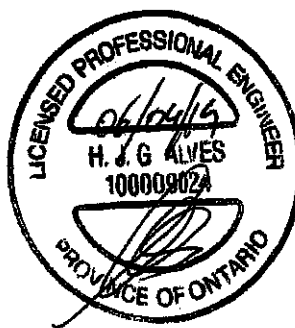
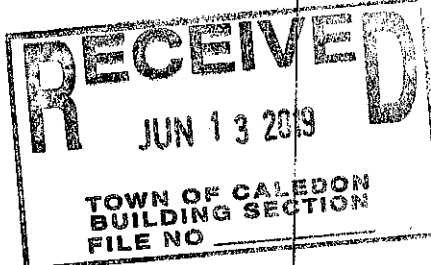
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF) FROM TO	MEMB.	FORCE (LBS)
FR-TO			FR-TO	
G-B	-258 / 0	0.0 0.0 0.03 (1)	G-C	-225 / 0
A-B	0 / 42	-102.1 -102.1 0.14 (1)	C-F	-234 / 0
B-C	-2 / 17	-102.1 -102.1 0.11 (1)		
C-D	-15 / 2	-102.1 -102.1 0.11 (1)		
G-F	0 / 146	-38.5 -38.5 0.34 (2)		
F-E	0 / 0	-38.5 -38.5 0.18 (1)		



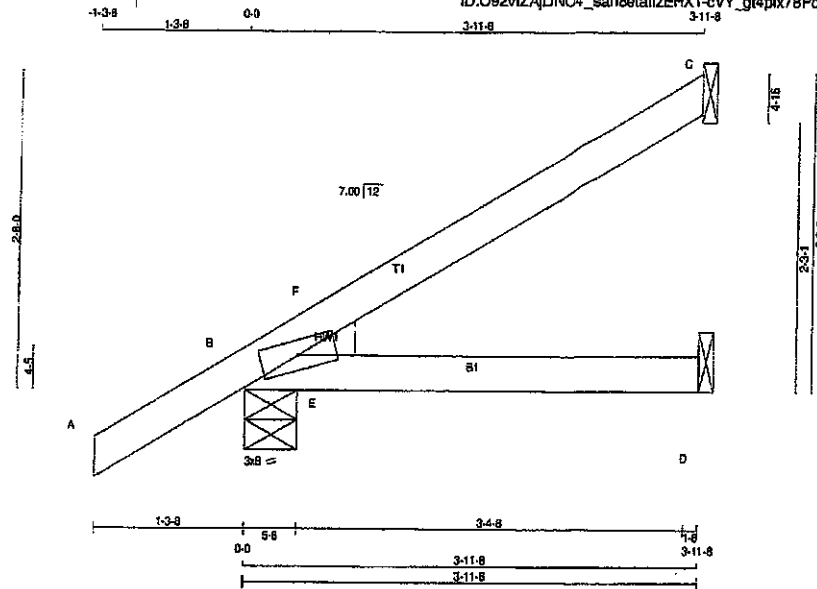
Structural component only
DWG# T-1914445

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
403229	J7	4	1	GREEN PARK HOMES	
TRUSS DESC.					

Tamarack Roof Truss, Burlington

Version 8.300 9 May 10 2019 Mitek Industries, Inc. Tue Jun 4 17:19:41 2018 Page 1
ID:O92vIZAJDNO4_san8etaifzEHX1-cVY_gt4pk78PolFMwBemXEYzExqS6Hl4g86bLz9cQG

Scale = 1:17.2



TOTAL WEIGHT = 4 X 12 = 48 lb

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD	HEEL
GROSS REACTION	GROSS REACTION	DOWN	UP	DOWN	WEDGE
JT	VERT	HORZ	DOWN	HORZ	UP
C	176	0	176	0	1-8
B	418	0	418	0	5-8
D	102	0	102	0	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS	1ST CASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	COMBINED							
C	124	93 / 0	7 / 0	0 / 0	0 / 0	24 / 0	0 / 0	0 / 0
B	304	194 / 0	42 / 0	0 / 0	0 / 0	68 / 0	0 / 0	0 / 0
D	84	22 / 0	35 / 0	0 / 0	0 / 0	28 / 0	0 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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)

CHORDS	MAX. FACTORED	FACTORED	WESS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LCH (PLF)	MAX. UNBRACED LENGTH FR-TO	FORCE (LBS)
A-B	0 / 34	-102.1 -102.1 0.15 (5)	10.00	-141 / 55
B-F	-38 / 0	-102.1 -102.1 0.07 (3)	6.25	
F-C	0 / 8	-102.1 -102.1 0.21 (1)	10.00	
B-E	0 / 0	-38.5 -38.5 0.17 (1)	10.00	
E-D	0 / 0	-38.5 -38.5 0.18 (1)	10.00	

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.1 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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 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 29.1 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: TO=0.21/1.00 (C-F:1), SC=0.18/1.00 (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

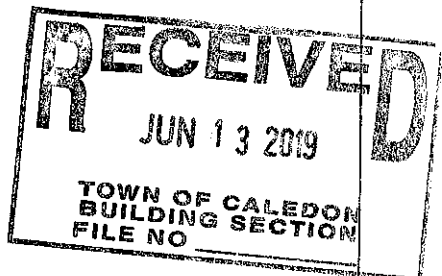
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1957 788 1957 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

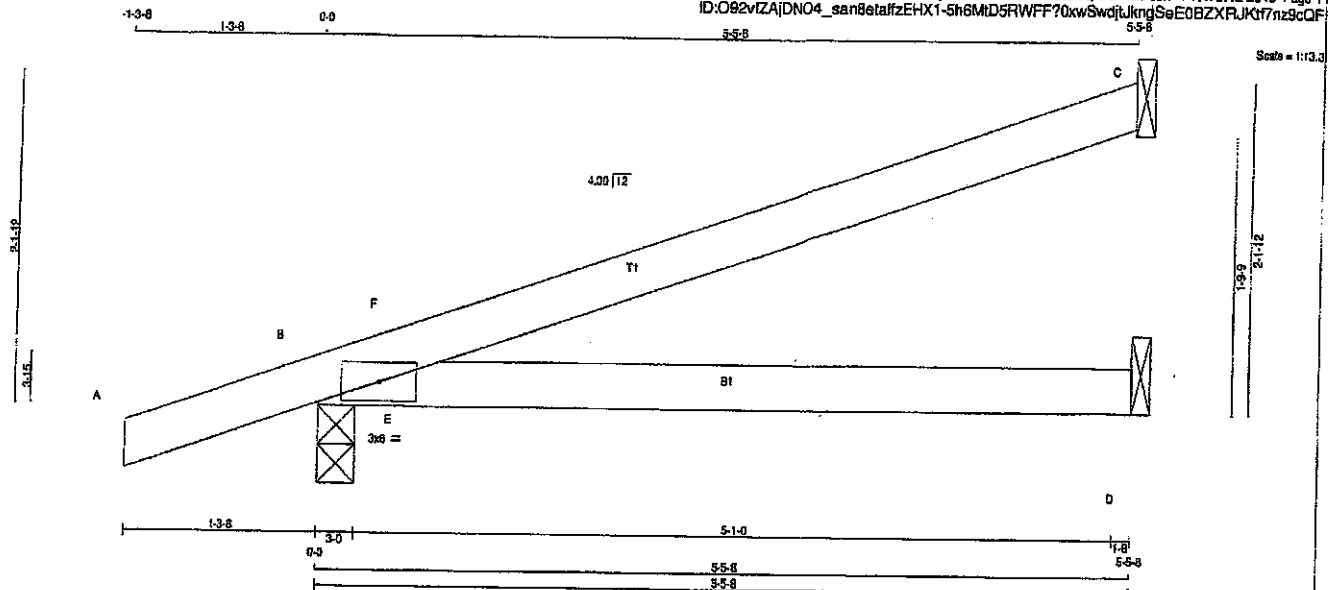
JSI GRIP = 0.13 (B) (INPUT = 0.50)
JSI METAL = 0.03 (B) (INPUT = 1.00)



Structural component only
DWG# T-1914446

JOB NAME 403229	TRUSS NAME JB	QUANTITY 7	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.300 S May 10 2019 MTEK Industries, Inc. Tue Jun 4 17:19:42 2019 Page 1
ID:092vZAIDNO4_san8etalfzEHX1-5h6MD5RWFF?0xwSwjdtkngSeE0BZXFLJKf7nz9cQF



TOTAL WEIGHT = 7 X 14 = 101 LB

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT. TYPE	PLATES	W	LEN	Y	X
B	TMB14	MT20	3.0	6.0	

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

JT	FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
	GROSS REACTION	DOWN	GROSS REACTION	DOWN	BRG	IN-SX	BRG	IN-SX
C	250	0	250	0	1-8	1-8	1-8	1-8
B	520	0	520	0	3-0	3-0	3-0	3-0
D	133	0	145	0	1-8	1-8	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST CASE	MAX./MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
C	175	133 / 0	9 / 0	0 / 0	0 / 0	33 / 0	0 / 0
B	361	238 / 0	57 / 0	0 / 0	0 / 0	87 / 0	0 / 0
D	111	25 / 0	49 / 0	0 / 0	0 / 0	38 / 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)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	0 / 20	-102.1	-102.1 0.13 (1)	10.00	E-F	-254 / 122	0.00 (1)
B-F	-51 / 0	-102.1	-102.1 0.13 (3)	6.25			
F-C	0 / 6	-102.1	-102.1 0.42 (1)	10.00			
B-E	0 / 0	-38.5	-38.5 0.28 (1)	10.00			
E-D	0 / 0	-38.5	-38.5 0.31 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.1 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 2018, OBC 2012
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55% OF 37.6 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 29.1 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/842 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/489 (0.13")

CSH: TC=0.42/1.00 (C-F:1), BC=0.31/1.00 (D-E:1),
WB=0.00/1.00 (E-F:1), SSI=0.28/1.00 (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

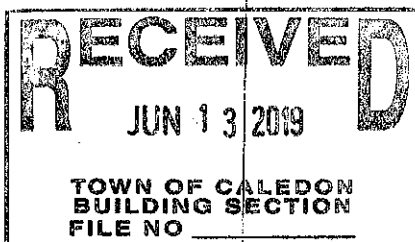
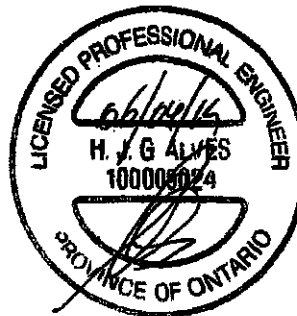
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.20 (B) (INPUT = 0.90)
JSI METAL= 0.05 (B) (INPUT = 1.00)



Structural component only
DWG# T-1914447

LUL/LUS/LJS/HUS/HHUS/HGUS

SIMPSON
Strong-Tie

Standard and Double-Shear Joist Hangers



This product is preferable to similar connectors because of
a) easier installation, b) higher capacities, c) lower installed
cost, or a combination of these features.

Most hangers in this series have double-shear nailing — an innovation that distributes the load through two points on each joist nail for greater strength. This allows for fewer nails, faster installation, and the use of all common nails for the same connection. (Do not bend or remove tabs)

Double-shear hangers range from the light capacity LUS hangers to the highest capacity HGUS hangers. For medium load truss applications, the HUS offers a lower cost alternative and easier installation than the HGUS hangers, while providing greater load capacity and bearing than the LUS.

Material: See table on pp. 258–259.

Finish: Galvanized. Some products available in stainless steel or ZMAX® coating; see Corrosion Information, pp. 20–24.

Installation:

- Use all specified fasteners; see General Notes.
- Nails must be driven at an angle through the joist or truss into the header to achieve the tabulated resistances (except LUL).
- Where 16d commons are specified, 10d commons may be used at 0.83 of the tabulated factored resistance.
- Not designed for welded or nailer applications.
- With single ply 2x carrying members, use 10d x 1½" nails into the header and 10d commons into the joist, and reduce the resistance to 0.84 of the table value where 16d nails are specified and 0.77 where 10d nails are specified.

Options:

- LUS, LJS, LUL and HUS hangers cannot be modified.
- Other sizes available; consult your Simpson Strong-Tie representative.
- See Hanger Options information on p. 126.



Double-Shear
Nailing
Top View



Double-Shear
Nailing
Side View;
Do not
bend tab



Double-Shear
Nailing Side View
(available on
some models)
U.S. Patent 6,603,580



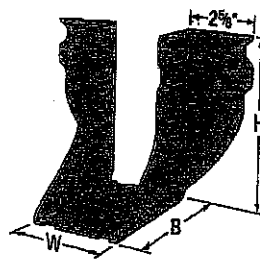
✓ LUS28



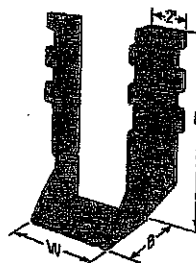
LU26L



✓ HUS210
(HUS26, HUS28,
and HHUS similar)



✓ HGUS28-2



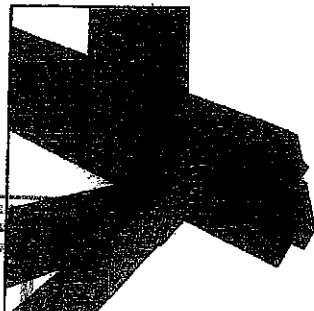
✓ HHUS210-2



LJS26DS

Plated Truss Connectors

Typical HUS26
Installation
with Reduced
Heel Height
(Truss Designer
to provide
fastener quantity)



RECEIVED

JUN 13 2019

TOWN OF CALESON
BUILDING SECTION
FILE NO

LUL/LUS/LJS/HUS/HHUS/HGUS

HHUS/HGUS

See Hanger Options Information on pp. 125-127.

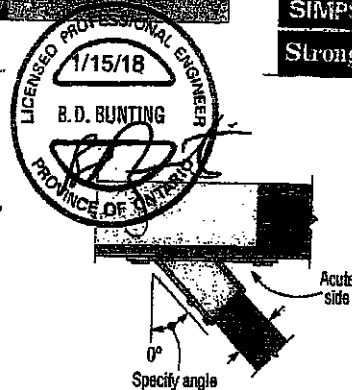
HHUS - Sloped and/or Skewed Seat

- HHUS hangers can be skewed to a maximum of 45° and/or sloped to a maximum of 45°
- For skew only, maximum factored down resistance is 0.85 of the table value
- For sloped only or sloped and skewed hangers, the maximum factored down resistance is 0.72 of the table value
- Uplift resistances for sloped/skewed conditions are 0.62 of the table value
- The joist must be bevel-cut to allow for double-shear nailing

HGUS - Skewed Seat

- HGUS hangers can be skewed only to a maximum of 45°. Factored resistances are:

HGUS Seat Width	Joist	Down Resistance	Uplift
$W < 2"$	Bevel or square cut	0.82 of table value	0.46 of table value
$2" < W < 6"$	Bevel cut	0.67 of table value	0.41 of table value
$2" < W < 6"$	Square cut	0.46 of table value	0.41 of table value
$W > 6"$	Bevel cut	0.75 of table value	0.41 of table value



Top View HHUS Hanger
Skewed Right
(Joist must be bevel cut)
All joist nails installed on the
outside angle (non-acute side).

Standard and Double-Shear Joist Hangers (cont.)

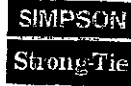
These products are available with additional corrosion protection. For more information, see p. 24.

These products are approved for installation with the Strong-Drive® SD Connector screw. See pp. 32-34 for more information.

Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistances			
		W	H	B	d _g ^a	Header	Joist	S-P-F		Normal (K _N = 1.99)	
								Down	Uplift		
											lb.
Single 2x Sizes											
LUS24	18	1 1/8	3 1/4	1 1/4	2 1/4	(4) 10d	(2) 10d	710	1625	645	1155
LU24L	22	1 1/8	3	1 1/4	2 1/4	(4) 10d	(2) 10d x 1 1/2"	380	1020	320	725
LU26L	22	1 1/8	5	1 1/4	4 1/4	(6) 10d	(4) 10d x 1 1/2"	720	1605	645	1140
LUS26	18	1 1/8	4 1/4	1 1/4	3 1/4	(4) 10d	(4) 10d	1420	2170	1290	1630
HUS26	18	1 1/8	5 1/4	3	3 1/4	(14) 16d	(6) 16d	2705	4940	2065	3875
LJS26DS	18	1 1/8	5	3 1/2	4 1/4	(18) 10d	(6) 16d	2055	4265	1460	4115
HGUS26	12	1 1/8	5 1/4	5	4 1/4	(28) 16d	(8) 16d	2885	6825	2685	5700
LU28L	20	1 1/8	6 1/4	1 1/4	5 1/4	(8) 10d	(6) 10d x 1 1/2"	1140	2185	1020	1550
LUS28	18	1 1/8	6 1/4	1 1/4	3 3/4	(6) 10d	(4) 10d	1420	2520	1290	1790
HUS28	18	1 1/8	7 1/4	3	6 1/4	(22) 16d	(8) 16d	3605	5365	2675	4345
HGUS28	12	1 1/8	7 1/4	5	6 1/4	(36) 16d	(12) 16d	3310	7675	3310	6900
LU210L	20	1 1/8	8	1 1/4	7 1/4	(10) 10d	(6) 10d x 1 1/2"	1140	2485	1020	1770
LUS210	18	1 1/8	7 1/4	1 1/4	3 3/4	(8) 10d	(4) 10d	1420	2785	1290	2210

1. Factored uplift resistances have been increased 15% for wind or earthquake loading; no further increase is allowed.
2. Designer must ensure that hanger is compatible with truss when reduced heel height is used.
3. d_g is the distance from the bearing seat to the top joist nail.
4. Resistances shown require a minimum 2-ply girder truss. For fastening to single-ply truss request technical bulletin T-C-N10TRSSCN and/or see installation notes.
5. Nails: 16d = 0.162" dia., x 3 1/2" long. See pp. 27-28 for other nail sizes and information.

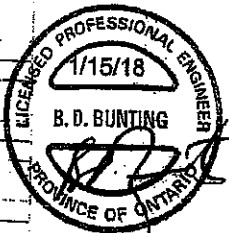
Face-Mount Hangers



These products are available with additional corrosion protection. For more information, see p. 24.

These products are approved for installation with the Strong-Drive® SD Connector screw. See pp. 32-34 for more information.

Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistances			
		W	H	B	d _c	Header	Joist	Uplift		S-P-F	
								(K _u = 1.15)	Normal	(K _u = 1.90)	
								lb.	lb.	lb.	lb.
								kN	kN	kN	kN
Double 2x Sizes											
LUS24-2	18	3 1/8	8 1/8	2	1 1/4	(4) 16d	(2) 16d	835	2020	590	1435
SS LUS26-2	18	3 1/8	4 1/8	2	4	(4) 16d	(4) 16d	1720	2595	1545	1920
HHUS26-2	14	3 1/8	5 1/8	3	3 1/8	(14) 16d	(6) 16d	2850	7335	2065	5205
HGUS26-2	12	3 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4885	8950	3110	6355
SS LUS28-2	18	3 1/8	7	2	4	(8) 16d	(4) 16d	1720	3325	1545	2575
HHUS28-2	14	3 1/8	7 1/8	3	8 1/8	(22) 16d	(8) 16d	3785	8940	2675	6345
HGUS28-2	12	3 1/8	7 1/8	4	6 1/8	(26) 16d	(12) 16d	6070	12980	4310	9215
SS LUS10-2	18	3 1/8	9	2	6	(8) 16d	(6) 16d	2580	4500	2320	3195
HHUS10-2	14	3 1/8	9 1/8	3	8	(30) 16d	(10) 16d	4670	9660	4235	7000
HGUS10-2	12	3 1/8	9 1/8	4	8 1/8	(46) 16d	(16) 16d	6840	14015	4855	10270
Triple 2x Sizes											
HGUS26-3	12	4 1/8	5 1/8	4	4 1/8	(26) 16d	(8) 16d	4385	8950	3110	6355
HGUS28-3	12	4 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d	6070	12980	4310	9215
HHUS210-3	14	4 1/8	9	3	7 1/8	(30) 16d	(10) 16d	4670	9670	4235	6865
HGUS210-3	12	4 1/8	9 1/8	4	8 1/8	(46) 16d	(16) 16d	6840	14645	4855	10400
Quadruple 2x Sizes											
HGUS26-4	12	6 1/8	5 1/8	4	4 1/8	(26) 16d	(8) 16d	4385	8950	3110	6355
HGUS28-4	12	6 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d	6070	12980	4310	9215
HHUS210-4	14	6 1/8	8 1/8	3	7 1/8	(30) 16d	(10) 16d	4670	10155	4235	7210
HGUS210-4	12	6 1/8	8 1/8	4	8 1/8	(46) 16d	(16) 16d	6840	14645	4855	10400
HGUS212-4	12	6 1/8	10 1/8	4	10 1/8	(56) 16d	(20) 16d	7640	14995	5425	10845
HGUS214-4	12	6 1/8	12 1/8	4	11 1/8	(66) 16d	(24) 16d	10130	16400	7185	11645
4x Sizes											
LUS48	18	3 1/8	4 1/8	2	3 1/8	(4) 16d	(4) 16d	1720	2595	1545	1920
SS HHUS48	14	3 1/8	5 1/8	3	3 1/8	(14) 16d	(6) 16d	2540	7335	2065	5205
HGUS48	12	3 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355
LUS48	18	3 1/8	6 1/8	2	3 1/8	(6) 16d	(4) 16d	1720	3325	1545	2575
HHUS48	14	3 1/8	7 1/8	3	8 1/8	(22) 16d	(8) 16d	3785	8940	2675	6345
HGUS48	12	3 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d	6070	12980	4310	9215
LUS410	18	3 1/8	8 1/8	2	5 1/8	(8) 16d	(6) 16d	2580	4500	2320	3195
HGUS410	12	3 1/8	9	4	8 1/8	(46) 16d	(16) 16d	6840	14015	4855	10270
HGUS412	12	3 1/8	10 1/8	4	10 1/8	(56) 16d	(20) 16d	7640	14995	5425	10845
HGUS414	12	3 1/8	12 1/8	4	11 1/8	(66) 16d	(24) 16d	10130	16400	7185	11645



Plated Truss Connectors

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

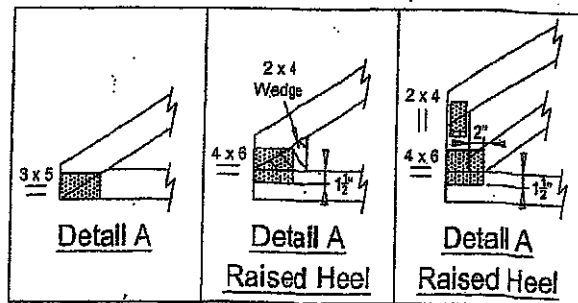
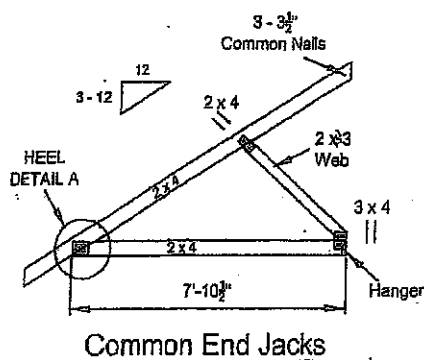
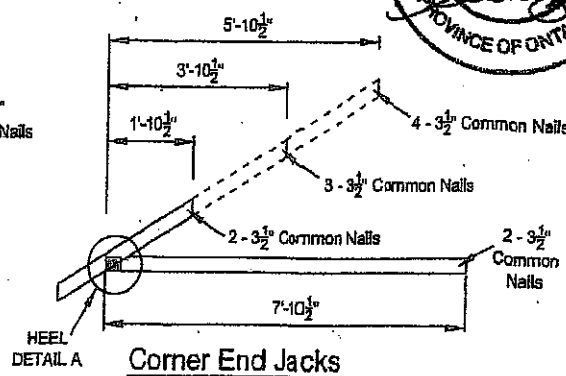
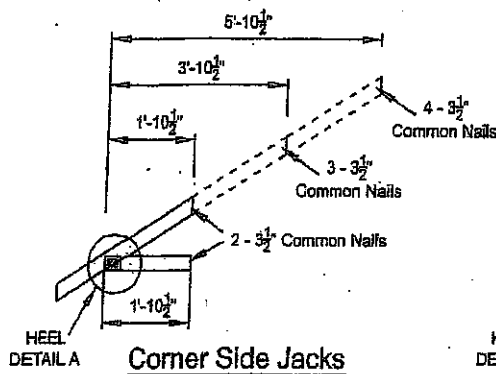
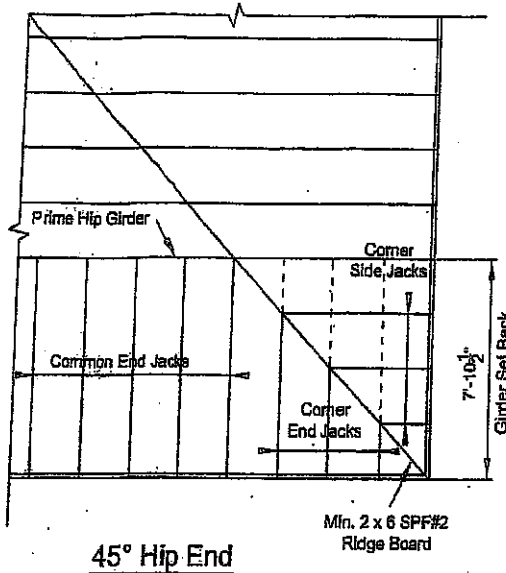
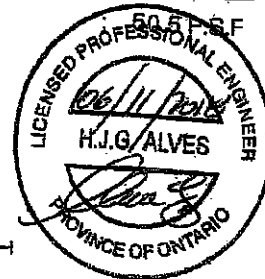
LUMBER SPECIFICATION

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

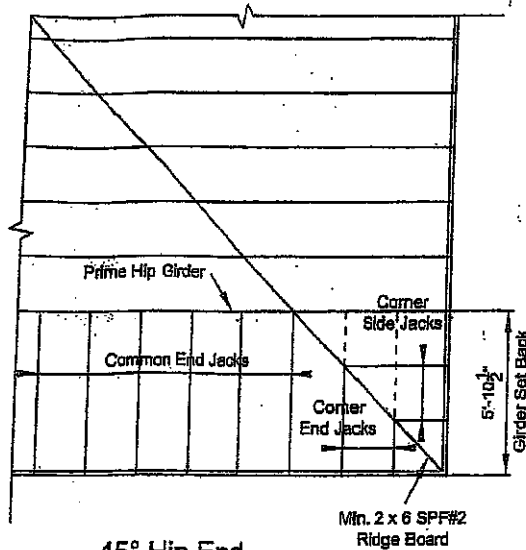
TOP CHORD SNOW LOAD : 40.5 P.S.F.
TOP CHORD DEAD LOAD : 3.0 P.S.F.
BOTTOM CHORD LIVE LOAD : 0.0 P.S.F.
BOTTOM CHORD DEAD LOAD : 7.0 P.S.F.

TOTAL LOAD



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

T-1800217



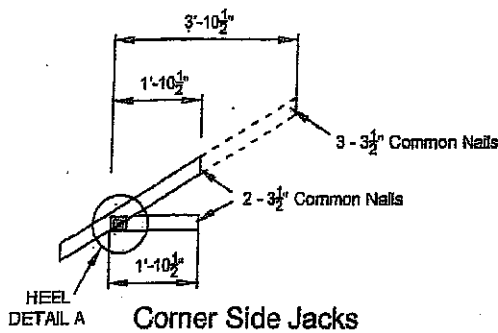
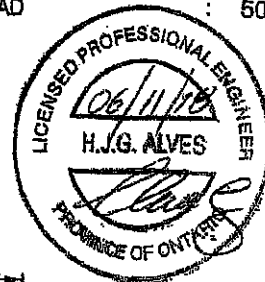
45° Hip End

LUMBER SPECIFICATION

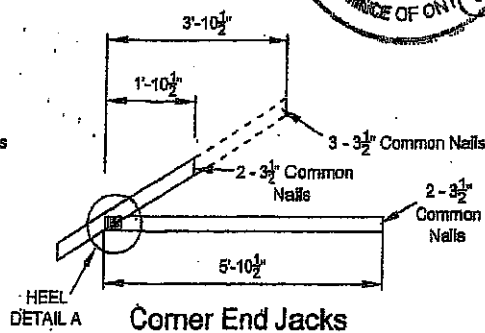
TOP CHORD : 2 x 4 SPF#2
 BOTTOM CHORD : 2 x 4 SPF#2
 WEBS : 2 x 3 SPF#2
 UNLESS OTHERWISE SHOWN

DESIGN LOAD

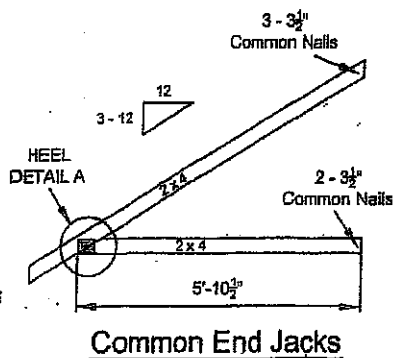
TOP CHORD SNOW LOAD : 40.5 P.S.F.
 TOP CHORD DEAD LOAD : 3.0 P.S.F.
 BOTTOM CHORD LIVE LOAD : 0.0 P.S.F.
 BOTTOM CHORD DEAD LOAD : 7.0 P.S.F.
 TOTAL LOAD : 50.5 P.S.F.



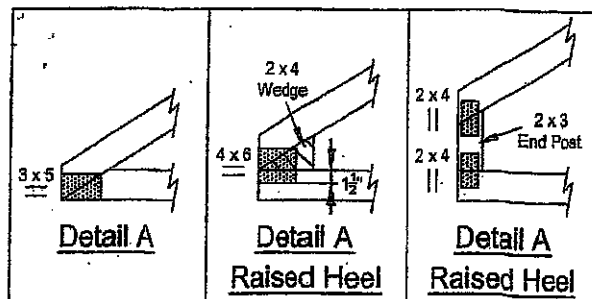
Corner Side Jacks



Corner End Jacks



Common End Jacks



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

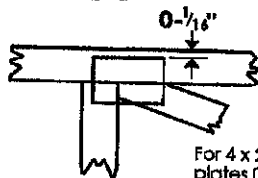
T-1800216

Symbols

PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0-1/8" from outside edge of truss.



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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING LOCATION



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

BEARING

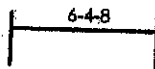


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

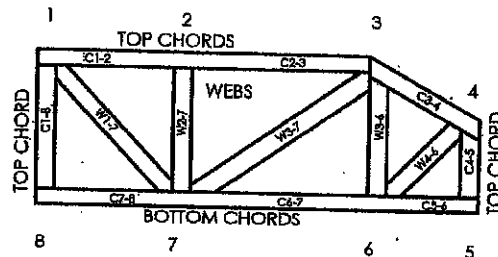
Industry Standards:

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

Numbering System



dimensions shown in ft-in-sixteenths or mm (Drawings not to scale)



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

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

PRODUCT CODE APPROVALS

CCMC Reports:

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

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Mitek Engineering Reference Sheet: MII-7473C rev. 10-108

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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



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 rigid 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.

T-1800218

Feb 09, 2018