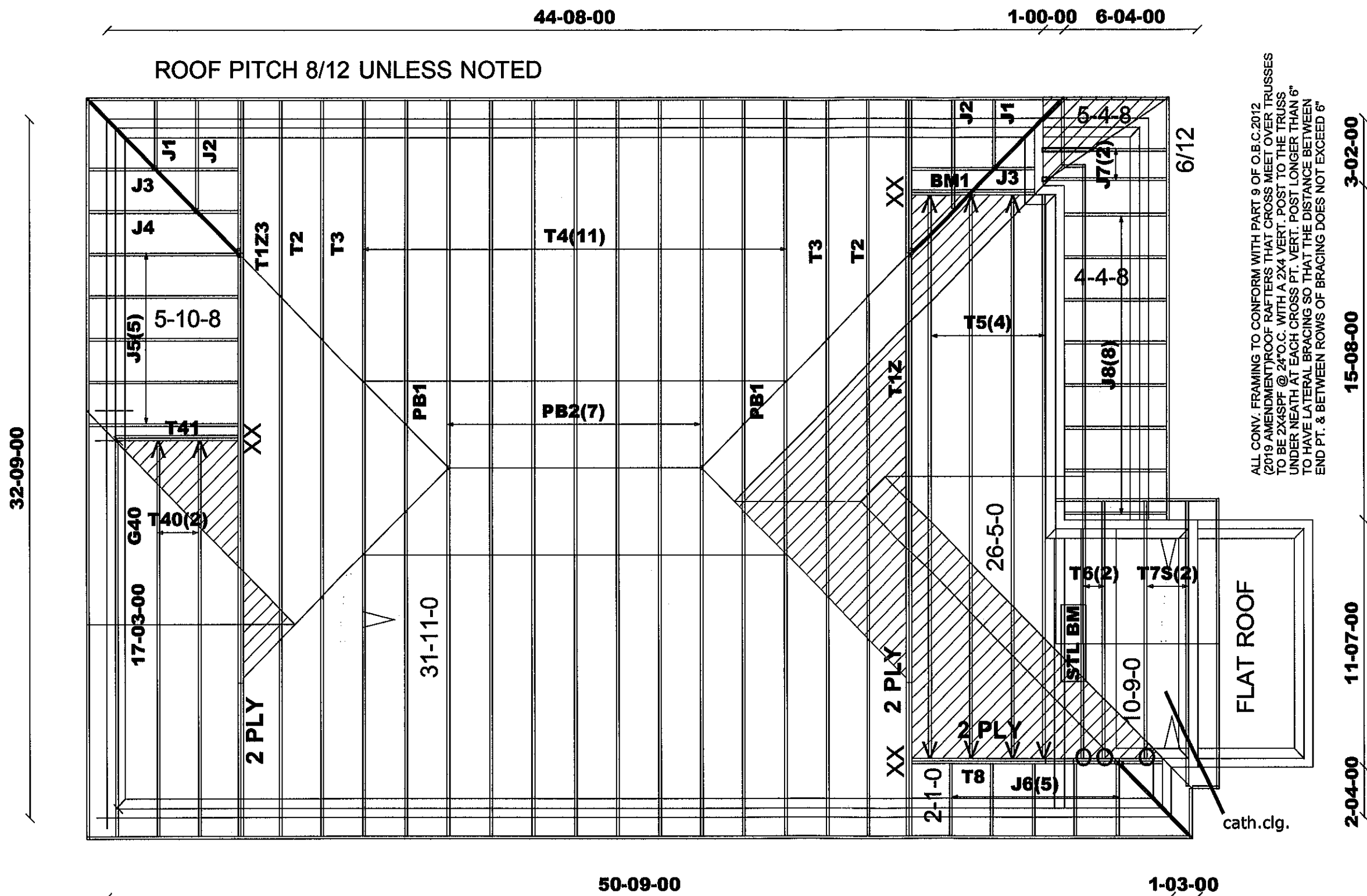




ALL CONV. FRAMING TO CONFORM WITH PART 9 OF O.B.C.2012
(2019 AMENDMENT) ROOF RAFTERS THAT CROSS MEET OVER TRUSSES
TO BE 2X4SPF @ 24" O.C. WITH A 2X4 VERT. POST TO THE TRUSS
UNDER NEATH AT EACH CROSS PT. VERT. POST LONGER THAN 6"
TO HAVE LATERAL BRACING SO THAT THE DISTANCE BETWEEN
END PT. & BETWEEN ROWS OF BRACING DOES NOT EXCEED 6"

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

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

DENOTES
CONV.
FRAMING

DESIGN CONFORMS
WITH O.B.C.2012 PART 9
(2019 AMENDMENT)
DESIGN LOADS:
SNOW LOAD 25.6 PSF
TC DEAD 6 PSF
BC LIVE 0 PSF
BC DEAD 7.4 PSF

BM1 = 2-2X10

CITY OF HAMILTON
BUILDING DIVISION
Planning & Development Department
FEB 10 2021
REC'D BY _____ DATE _____
REF'D TO _____ DATE _____



Job Track: 51225
Plan Log: 202404
Layout ID: 415113

Builder / Location:
GREEN PARK HOMES / WATERDOWN
Project: **RUSSELL GARDENS PH.3**
Date: 2020-12-08 Sales: Mario DiCano Designer: AC/JG/ND

Model / Elevation:
VALLEYCREEK 4 - 306/1

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

Milek ver 8.3.3.247



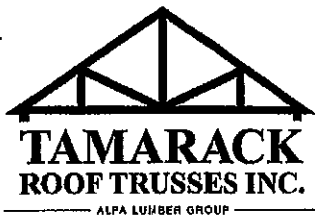
DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: RUSSELL GARDENS PH.3
 Location: WATERDOWN
 Model: VALLEYCREEK 4
 Lot #: 306
 Elevation: 1

Job Track: 51225
 PlanLog: 202404
 Layout ID: 408163
 Ref #
 Page: 1 of 2
 Date: 04-20-2020
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1 2-ply	T1 Hip Girder	8 /12	31-11-00	5-03-13	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	325.05 201.00		
	1 2-ply	T1Z Hip Girder	8 /12	31-11-00	5-03-13	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	325.05 201.00		
	2	T2 Hip	8 /12	31-11-00	6-07-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	283.27 180.00		
	2	T3 Hip	8 /12	31-11-00	7-11-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	283.41 178.00		
	11	T4 Hip	8 /12	31-11-00	9-03-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	1667.97 1032.17		
	4	T5 Common	8 /12	26-05-00	10-02-08	2 x 4		1-04-13 1-04-13	483.61 304.00		
	2	T6 Common	8 /12	10-09-00	4-11-13	2 x 4		1-04-13 1-04-13	82.8 53.00		
	2	T7S Scissor	8 /12 5 /12	10-09-00	4-11-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	89.85 80.33		
	1 2-ply	T8 Half Hip Girder	8 /12	11-11-08	2-09-08	2 x 4 2 x 6		1-04-13 2-09-08	124.58 84.33		
	2	PB1 Piggyback	8 /12	8-02-00	1-04-00	2 x 4			43.92 30.00		
	7	PB2 Piggyback	8 /12	8-02-00	2-08-11	2 x 4			142.79 86.33		
	3	J1 Jack-Open	8 /12	1-09-07	2-07-02	2 x 4	1-03-08 1-01	1-04-13 2-07-02	26.71 17.00		
	3	J2 Jack-Open	8 /12	1-10-08	3-11-02	2 x 4	1-03-08 1-10-15	1-04-13 2-07-13	35.12 23.00		
	3	J3 Jack-Open	8 /12	1-09-07	2-07-02	2 x 4	1-03-08 4-01-01	1-04-13 2-07-02	40.4 25.00		



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: RUSSELL GARDENS PH.3
 Location: WATERDOWN
 Model: VALLEYCREEK 4
 Lot #: 306
 Elevation: 1

Job Track: 51225
 PlanLog: 202404
 Layout ID: 408163
 Ref #
 Page: 2 of 2
 Date: 04-20-2020
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	2	J4 Jack-Open	8 /12	3-09-07	3-11-02	2 x 4	1-03-08 2-01-01	1-04-13 3-11-02	32.6 20.67		
	11	J5 Jack-Open	8 /12	5-10-08	5-03-13	2 x 4	1-03-08	1-04-13 5-03-13	216.33 133.83		
	5	J6 Jack-Open	8 /12	2-01-00	2-09-08	2 x 4	1-03-08	1-04-13 2-09-08	48.82 35.00		
	2	J7 Jack-Open	6 /12	5-04-08	3-07-15	2 x 4	1-03-08	4-03 2-07-11	30.92 20.00		
	8	J8 Jack-Open	6 /12	4-04-08	3-01-15	2 x 4	1-03-08	4-03 2-01-11	99.04 64.00		

TOTAL # TRUSS= 75

TOTAL BFT OF ALL TRUSSES= 2748.66

BFT.

TOTAL WEIGHT OF ALL TRSSES 4371.22 LBS

HARDWARE

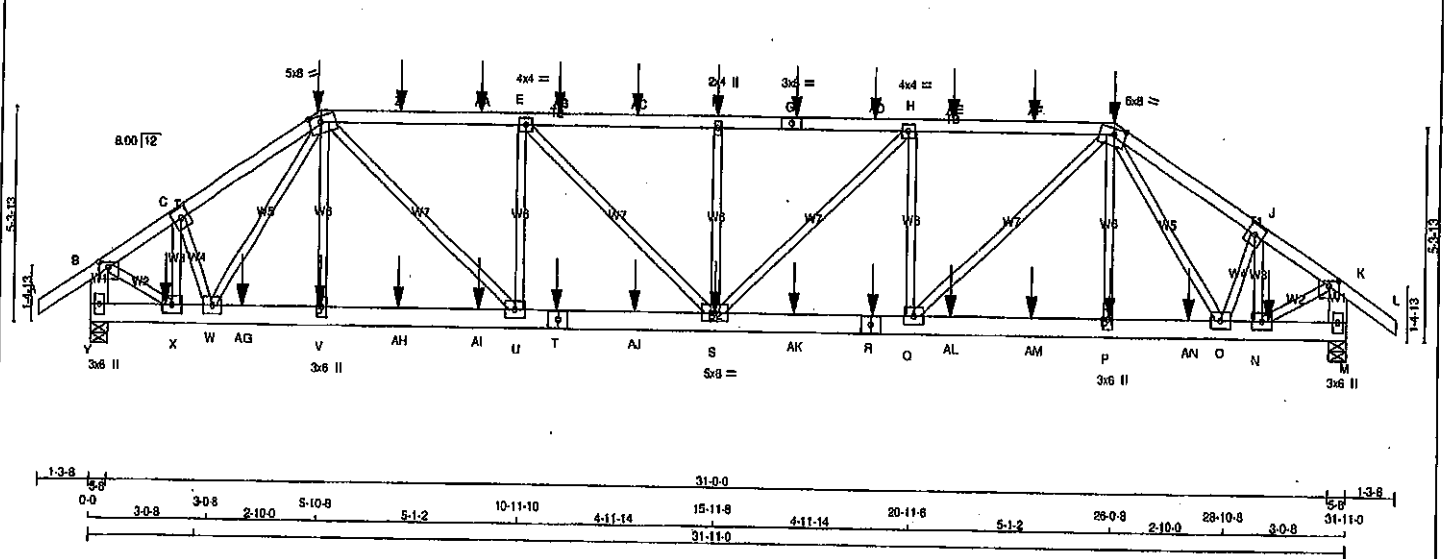
QTY	TYPE	MODEL	LENGTH
7	Hardware	LJS26DS	
3	Hardware	LUS24	
2	Hardware	HGUS26-2	

TOTAL NUMBER OF
ITEMS=

12

JOB NAME 408163	TRUSS NAME T1	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			

Version 8.310 S Oct 29 2019 MTak Industries, Inc. Fri Apr 17 09:46:35 2020 Page 1
 ID:KIHNL7kAuBVUgBrpQW7E8zls6yImv3EeggdikXgcuTINYXUUGDwL2jdjw_1K2addzPrtX
 1-3-8 0-0 3-0-8 3-0-8 2-10-0 5-10-8 5-1-2 10-11-10 4-11-14 15-11-8 4-11-14 20-11-8 5-1-2 28-0-8 2-10-0 28-10-8 3-0-8 1-3-8
 Scale = 1:52.6



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF	
D - G	2x4	DRY	No.2	SPF	
G - I	2x4	DRY	No.2	SPF	
I - L	2x4	DRY	No.2	SPF	
Y - B	2x6	DRY	No.2	SPF	
M - K	2x6	DRY	No.2	SPF	
Y - T	2x8	DRY	No.2	SPF	
T - R	2x8	DRY	No.2	SPF	
R - M	2x8	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	12	SIDE (61.0)
D - G	12	SIDE (61.0)
G - I	12	SIDE (61.0)
I - L	12	SIDE (61.0)
Y - B	2	TOP
M - K	2	TOP
BOTTOM CHORDS: (0.122'x3') SPIRAL NAILS		
Y - T	12	SIDE (183.1)
T - R	12	SIDE (183.1)
R - M	12	SIDE (183.1)
WEBS: (0.122'x3') SPIRAL NAILS		
V - D	1	SIDE (30.3)
P - I	1	SIDE (30.3)
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)	PLATES	W	LEN	Y	X
JT	TMW-p	MT20	5.0	8.0	1.50 3.00
B	TMW-w	MT20	5.0	8.0	
C	TMW-w	MT20	5.0	8.0	
D	TMW-w	MT20	5.0	8.0	1.75 3.50
E	TMW-w	MT20	4.0	4.0	
F	TMW-w	MT20	2.0	4.0	
G	TS-1	MT20	3.0	8.0	
H	TMW-w	MT20	4.0	4.0	
I	TMW-w	MT20	5.0	8.0	1.75 3.50
J	TMW-w	MT20	5.0	8.0	
K	TMW-w	MT20	5.0	8.0	1.50 3.00
M	BMV-1-p	MT20	3.0	8.0	
N, O, Q, U, W, X					
N	BMW-w	MT20	5.0	8.0	
P	BMW-w	MT20	3.0	8.0	
R	BS-1	MT20	5.0	8.0	
S	BMW-w	MT20	5.0	8.0	
T	BS-1	MT20	5.0	8.0	

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	0.0	0.0
Y	3538	0	5-8	5-8
M	3537	0	5-8	5-8

UNFACTORED REACTIONS							
1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Y	2500	1855 / 0	0 / 0	0 / 0	0 / 0	845 / 0	0 / 0
M	2499	1854 / 0	0 / 0	0 / 0	0 / 0	845 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.47 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)

MAX. FACTORED		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD LC1 (PLF)	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	0 / 35	-91.8 -91.8 0.07 (1)		10.00	X-C	-1140 / 0	0.10 (1)
B-C	-3538 / 0	-91.8 -91.8 0.10 (1)		4.91	V-D	0 / 285	0.04 (4)
C-D	-3862 / 0	-91.8 -91.8 0.15 (1)		4.70	D-U	0 / 2418	0.30 (1)
D-E	-8401 / 0	-91.8 -91.8 0.54 (1)		3.65	U-E	-1507 / 0	0.31 (1)
Z-AA	-5401 / 0	-91.8 -91.8 0.54 (1)		3.65	E-S	0 / 703	0.09 (1)
AA-E	-8401 / 0	-91.8 -91.8 0.54 (1)		3.65	S-F	-838 / 0	0.17 (1)
EAB	-5901 / 0	-91.8 -91.8 0.57 (1)		3.47	S-H	0 / 708	0.09 (1)
AB-AC	-5901 / 0	-91.8 -91.8 0.57 (1)		3.47	Q-H	-1505 / 0	0.31 (1)
AC-F	-5901 / 0	-91.8 -91.8 0.57 (1)		3.47	Q-I	0 / 2413	0.30 (1)
F-G	-5901 / 0	-91.8 -91.8 0.57 (1)		3.48	P-I	0 / 285	0.04 (4)
G-AD	-5901 / 0	-91.8 -91.8 0.57 (1)		3.48	N-J	-1139 / 0	0.10 (1)
AD-H	-5901 / 0	-91.8 -91.8 0.57 (1)		3.48	B-X	0 / 3248	0.40 (1)
H-AE	-5397 / 0	-91.8 -91.8 0.54 (1)		3.65	N-K	0 / 3247	0.40 (1)
AE-AF	-5397 / 0	-91.8 -91.8 0.54 (1)		3.65	C-W	0 / 681	0.08 (1)
AF-I	-5397 / 0	-91.8 -91.8 0.54 (1)		3.65	W-D	-948 / 0	0.28 (1)
I-J	-3860 / 0	-91.8 -91.8 0.15 (1)		4.70	O-J	0 / 681	0.08 (1)
J-K	-3536 / 0	-91.8 -91.8 0.10 (1)		4.91	I-O	-947 / 0	0.28 (1)
K-L	0 / 35	-91.8 -91.8 0.07 (1)		10.00			
Y-B	-3500 / 0	0.0 0.0 0.13 (1)		7.48			
M-K	-3498 / 0	0.0 0.0 0.13 (1)		7.48			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 086-14
- TPIC 2011, TPIC 2014

[55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD] EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.06')
CALCULATED VERT. DEFL.(LL) = L/999 (0.12')
ALLOWABLE DEFL.(TL) = L/360 (1.06')
CALCULATED VERT. DEFL.(TL) = L/999 (0.23')

CSI: TC=0.571/1.0 (E-F:1), BC=0.40/1.00 (S-U:1), WB=0.40/1.00 (B-X:1), SS=0.23/1.00 (D-E: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

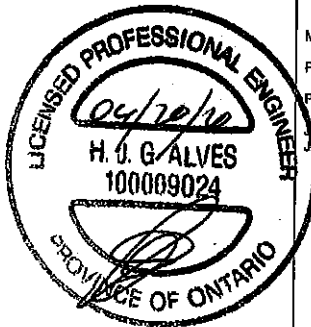
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

GRIP=0.85 (I) (INPUT = 0.90)
METAL=0.50 (R) (INPUT = 1.00)



Structural component only 1/2
DWG# T-2006468
CONTINUED ON PAGE 2

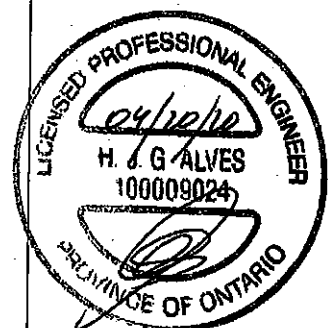
JOB NAME 408163	TRUSS NAME T1	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRAWG NO.
Tamarack Roof Truss, Burlington				Version 8.310 S Oct 29 2019 MTek Industries, Inc. Fri Apr 17 09:46:35 2020 Page 2 ID:KIHNL7kIAuBVUgBrpQW7E8zls6v-lmvGEgpd/kXgeuTINYXUUGDwL2idiv 1K2addzPvX	

PLATES (table in inches)					
JT	TYPE	PLATES	W	LEN	Y X
V	BMW+w	MT20	3.0	8.0	
Y	BMV1+p	MT20	3.0	8.0	

FACTORED CONCENTRATED LOADS (LBS)										
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.	
D	5-10-8	-584	-584	---	FRONT	VERT	TOTAL	---	C1	
F	15-11-8	-178	-178	---	FRONT	VERT	TOTAL	---	C1	
G	17-11-12	-178	-178	---	FRONT	VERT	TOTAL	---	C1	
I	28-0-8	-584	-584	---	FRONT	VERT	TOTAL	---	C1	
N	29-11-12	-38	-38	---	FRONT	VERT	TOTAL	---	C1	
P	25-11-12	-38	-38	---	FRONT	VERT	TOTAL	---	C1	
R	19-11-12	-38	-38	---	FRONT	VERT	TOTAL	---	C1	
S	15-11-8	-38	-38	---	FRONT	VERT	TOTAL	---	C1	
T	11-11-4	-38	-38	---	FRONT	VERT	TOTAL	---	C1	
V	5-11-4	-38	-38	---	FRONT	VERT	TOTAL	---	C1	
X	1-11-4	-38	-38	---	FRONT	VERT	TOTAL	---	C1	
Z	7-11-4	-178	-178	---	FRONT	VERT	TOTAL	---	C1	
AA	9-11-4	-178	-178	---	FRONT	VERT	TOTAL	---	C1	
AB	11-11-4	-178	-178	---	FRONT	VERT	TOTAL	---	C1	
AC	13-11-4	-178	-178	---	FRONT	VERT	TOTAL	---	C1	
AD	18-11-12	-178	-178	---	FRONT	VERT	TOTAL	---	C1	
AE	21-11-12	-178	-178	---	FRONT	VERT	TOTAL	---	C1	
AF	23-11-12	-178	-178	---	FRONT	VERT	TOTAL	---	C1	
AG	3-11-4	-38	-38	---	FRONT	VERT	TOTAL	---	C1	
AH	7-11-4	-38	-38	---	FRONT	VERT	TOTAL	---	C1	
AI	9-11-4	-38	-38	---	FRONT	VERT	TOTAL	---	C1	
AJ	13-11-4	-38	-38	---	FRONT	VERT	TOTAL	---	C1	
AK	17-11-12	-38	-38	---	FRONT	VERT	TOTAL	---	C1	
AL	21-11-12	-38	-38	---	FRONT	VERT	TOTAL	---	C1	
AM	23-11-12	-38	-38	---	FRONT	VERT	TOTAL	---	C1	
AN	27-11-12	-38	-38	---	FRONT	VERT	TOTAL	---	C1	

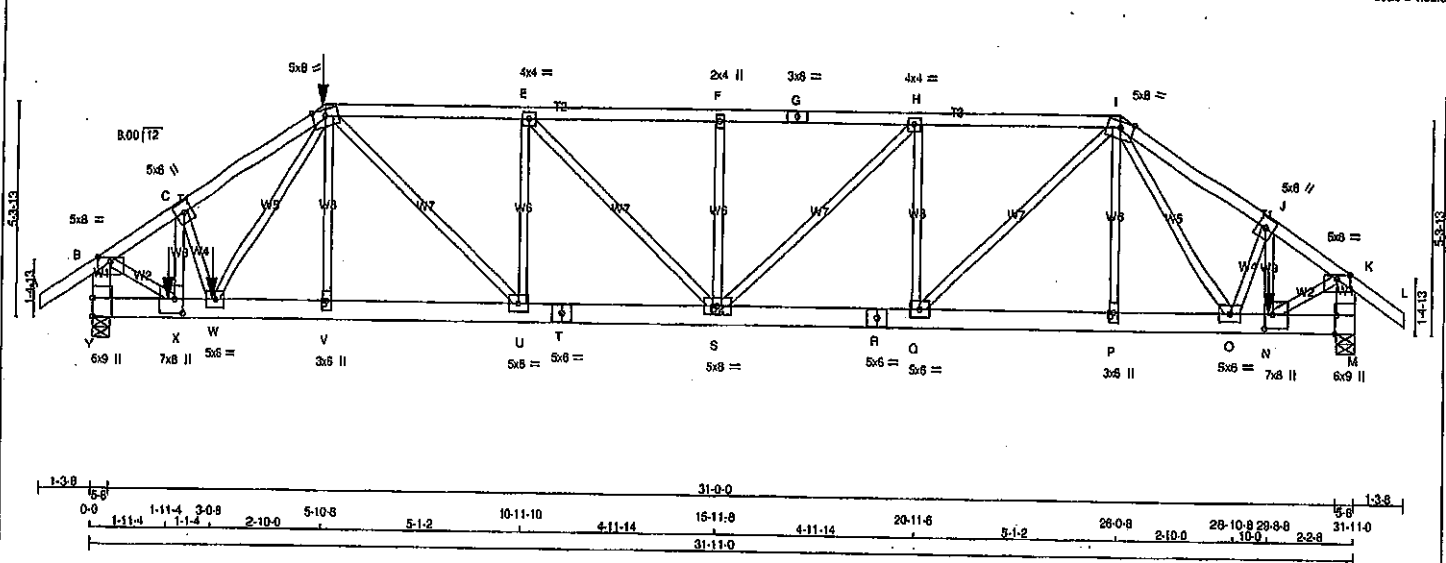
CONNECTION REQUIREMENTS

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



JOB NAME 408163	TRUSS NAME T1Z	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
Tamarack Roof Truss, Burlington						

Version 9.310 S Oct 29 2019 MTek Industries, Inc. Fri Apr 17 08:46:36 2020 Page 1
ID:KHNL7kIAuBVUp8pQW7E8zls6y-LzTSS0elOcsOImTIs43m0hpSpkKgM5c8G_o893zPIXH
20-11-6 5-1-2 28-0-8 2-10-0 28-10-8 3-0-8 31-11-0 33-2-8
Scale = 1:32.8



LUMBER			
N. L. & A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY No.2	SPF
D - G	2x4	DRY No.2	SPF
G - I	2x4	DRY No.2	SPF
I - L	2x4	DRY No.2	SPF
Y - B	2x6	DRY No.2	SPF
M - K	2x6	DRY No.2	SPF
Y - T	2x6	DRY No.2	SPF
R - R	2x6	DRY No.2	SPF
R - M	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	12	SIDE(81.0)
D-G	12	SIDE(81.0)
G-I	12	TOP
I-L	12	TOP
Y-B	2	TOP
M-K	2	TOP
BOTTOM CHORDS : (0.122'X3') SPIRAL NAILS		
Y-T	2	SIDE(915.6)
T-R	2	TOP
R-M	2	SIDE(915.6)
WEBS : (0.122'X3') SPIRAL NAILS		
2x3	8	SIDE(391.7)
C-X	2	
J-N	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 (table in inches)				
JT TYPE	PLATES	W	LEN	Y X
B TMWW-p	MT20	5.0	8.0	1.25 4.00
C TMWW-w	MT20	5.0	6.0	
D TTWWW-m	MT20	5.0	8.0	Edge
E TMWW-l	MT20	4.0	4.0	
F TMWW-w	MT20	2.0	4.0	
G TS-l	MT20	3.0	6.0	
H TMWW-l	MT20	4.0	4.0	
I TTWWW-m	MT20	5.0	8.0	Edge
J TMWW-l	MT20	5.0	8.0	
K TMWW-p	MT20	5.0	8.0	1.25 4.00
M BMV-l	MT20	6.0	9.0	Edge 0.50
N BMWW-l	MT20	7.0	8.0	4.25 2.50
O, Q, U, W				
O BMWW-l	MT20	5.0	6.0	
P BMW-w	MT20	3.0	6.0	
R BS-l	MT20	5.0	6.0	
S BMWWW-l	MT20	5.0	8.0	

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

BEARINGS			
	FACTORED	MAXIMUM FACTORED	INPUT
	GROSS REACTION	GROSS REACTION	BRG
JT	VERT	HORZ	UPLIFT
Y	4869	0	0
M	6873	0	0

UNFACTORED REACTIONS			
1ST LCASE	MAX/MIN. COMPONENT REACTIONS		
JT	COMBINED	SNOW	LIVE
Y	3433	2308 / 0	0 / 0
M	4850	3240 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.67 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 / 35	X-C	-1315 / 0
B-C	-4948 / 0	V-D	0 / 383
C-D	-5328 / 0	D-U	0 / 1211
D-E	-4737 / 0	U-E	-788 / 0
E-F	-5022 / 0	E-S	0 / 401
F-G	-5022 / 0	S-F	-420 / 0
G-H	-5022 / 0	H-S	0 / 332
H-I	-4787 / 0	Q-H	-747 / 0
I-J	-6115 / 0	Q-I	0 / 1148
J-K	-6704 / 0	P-I	0 / 233
K-L	0 / 35	N-J	0 / 1399
Y-B	-4819 / 0	B-X	0 / 4525
M-K	-6483 / 0	N-K	0 / 6121
		C-W	0 / 854
		W-D	0 / 1148
		Q-J	-1448 / 0
		I-O	0 / 2298

FACTORED CONCENTRATED LOADS (LBS)			
JT	LOC.	LC1	MAX. MAX+
D	5-10-8	-399	-399
N	29-8-8	-5011	-5011
W	3-0-8	-2525	-2525
X	1-11-4	-38	-38

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. CC

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

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

THIS DESIGN COMPLIES WITH:
- PART 3 OF CBC 2018, CBC 2012, ABC 2019
- PART 3 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(65% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.08")
CALCULATED VERT. DEFL.(LL) = L/999 (0.11")
ALLOWABLE DEFL.(TL) = L/360 (1.08")
CALCULATED VERT. DEFL.(TL) = L/999 (0.20")
CSI: TC=0.31/1.00 (E-F:1), BC=0.68/1.00 (N-O:1), WB=0.78/1.00 (K-N:1), SS=0.25/1.00 (N-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE KEELS OFF

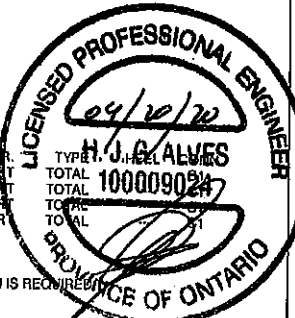
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1887 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

GRIP = 0.87 (B) (INPUT = 0.90)
METAL = 0.72 (X) (INPUT = 1.00)



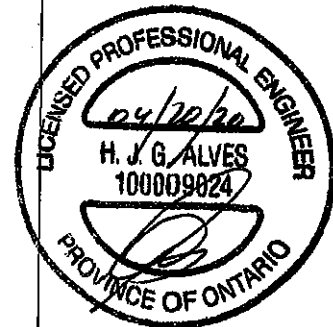
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408163	T1Z	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

Version 8.310 S Oct 29 2019 MiTek Industries, Inc. Fri Apr 17 08:46:38 2020 Page 2
ID:KIHNL7kIAuBVUqBrpQW7E8zls6y-LzTSS0elQcsOImTIs43m0hpSakKgM5c8G o893zP1XH

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
T	BS-t	MT20	8.0	6.0		
V	BMVW+w	MT20	3.0	6.0		
X	BMVW+I	MT20	7.0	8.0	4.25	2.50
Y	BMV1+t	MT20	8.0	9.0	5.50	

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



Structural component only
DWG# T-2006469

2/2

			Structural component only DWG# T-2006470
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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408163	T3	2	1	GREEN PARK HOMES	

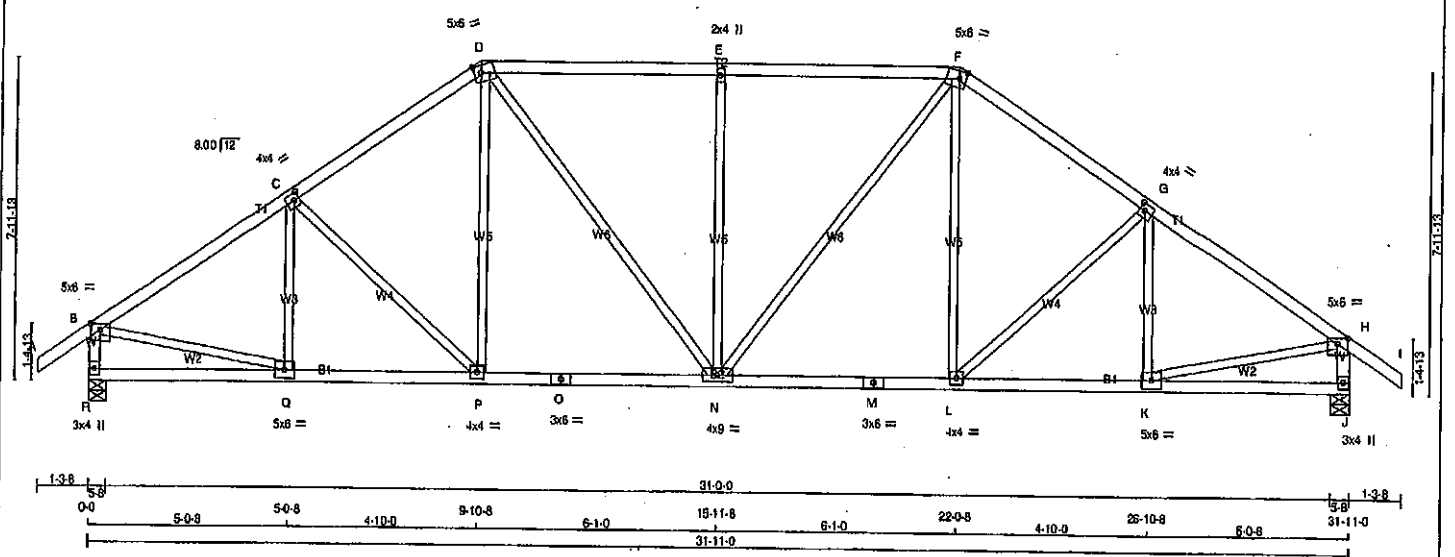
Tamarack Roof Truss, Burlington

Version 8.310 \$ Oct 29 2019 M Tek Industries, Inc. Fri Apr 17 08:48:39 2020 Page 1

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31-11-0 33-2-8 1-3-8

Scale = 1:52.6



LUMBER					DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY										TOTAL WEIGHT = 2 X 142 = 283 lb									
N. L. G. A. RULES					BUILDING DESIGNER										[M/F]									
CHORDS SIZE					LUMBER					DESCR.					BEARINGS					DESIGN CRITERIA				
A - D 2x4 DRY No.2 SPF					FACTORED					MAXIMUM FACTORED					INPUT					REQD				
D - F 2x4 DRY No.2 SPF					GROSS REACTION					GROSS REACTION					BRG					BRG				
F - I 2x4 DRY No.2 SPF					JT VERT HORZ					DOWN HORZ UPLIFT					IN-SX					IN-SX				
R - B 2x4 DRY No.2 SPF					R 1885 0 1885 0 0 5-8 5-8																			
J - H 2x4 DRY No.2 SPF					J 1885 0 1885 0 0 5-8 5-8																			
R - O 2x4 DRY No.2 SPF																								
O - M 2x4 DRY No.2 SPF																								
M - J 2x4 DRY No.2 SPF																								
ALL WEBS 2x3 DRY No.2 SPF																								
EXCEPT																								
DRY: SEASONED LUMBER.																								
										</														

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.35 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				DESIGN CRITERIA			
TOTAL LOAD CASES: (4)				THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015			
CHORDS				THIS DESIGN COMPLIES WITH:			
MEMB.	MAX. FACTORED	FACTORED	WEEBS	- PART 9 OF NBCC 2018, CBC 2012, ABC 2019			
FR-TO	FORCE (LBS)	VERT. LOAD (PLF)	MAX. LENGTH FR-TO	- PART 9 OF CBC 2012 (2019 AMENDMENT)			
A-B	0/35	-91.8	-91.8 0.12 (1)	- CSA 086-09, CSA 086-14			
B-C	-2071/0	-91.8	-91.8 0.35 (1)	- TPIC 2011, TPIC 2014			
C-D	-1915/0	-91.8	-91.8 0.34 (1)	(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD			
D-E	-1885/0	-91.8	-91.8 0.49 (1)	ALLOWABLE DEFL.(LL) = L/360 (1.08")			
E-F	-1885/0	-91.8	-91.8 0.49 (1)	CALCULATED VERT. DEFL.(LL) = L/999 (0.08")			
F-G	-1915/0	-91.8	-91.8 0.34 (1)	ALLOWABLE DEFL.(TL) = L/360 (1.08")			
G-H	-2071/0	-91.8	-91.8 0.35 (1)	CALCULATED VERT. DEFL.(TL) = L/999 (0.16")			
H-I	0/35	-91.8	-91.8 0.12 (1)	CSI: TC=0.49/1.00 (D-E:1), BC=0.34/1.00 (P-Q:1)			
I-J	-1844/0	0.0	0.0 0.19 (1)	WB=0.83/1.00 (E-N:1), SS=0.27/1.00 (E-F:1)			
J-K	-1844/0	0.0	0.0 0.19 (1)	OOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10			
R-Q	0/0	-18.5	-18.5 0.10 (4)	COMP=1.10 SHEAR=1.10 TENS=1.10			
Q-P	0/1747	-18.5	-18.5 0.34 (1)	COMPANION LIVE LOAD FACTOR = 1.00			
P-O	0/1570	-18.5	-18.5 0.32 (1)	TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.			
O-N	0/1570	-18.5	-18.5 0.32 (1)	NAIL VALUES			
N-M	0/1570	-18.5	-18.5 0.32 (1)	PLATE GRIP(DRY) SHEAR SECTION			
M-L	0/1570	-18.5	-18.5 0.32 (1)	(PSI) (PLI) (PLI)			
L-K	0/1747	-18.5	-18.5 0.34 (1)	MAX MIN MAX MIN MAX MIN			
K-J	0/0	-18.5	-18.5 0.10 (4)	MT20 618 354 1867 788 1987 1856			

PLATES (table is in inches)

JT TYPE PLATES W LEN Y X

B TMVW-p MT20 5.0 6.0 1.75 3.00

C TMVW-t MT20 4.0 4.0 2.00 1.50

D TTWW-m MT20 5.0 6.0 2.25 2.00

E TMVW-w MT20 2.0 4.0

F TTWW-m MT20 5.0 6.0 2.25 2.00

G TMVW-t MT20 4.0 4.0 2.00 1.50

H TMVW-p MT20 5.0 6.0 1.75 3.00

J BMVW-t MT20 3.0 4.0

K BMVW-t MT20 5.0 6.0

L BMVW-t MT20 4.0 4.0

M BS-t MT20 3.0 6.0

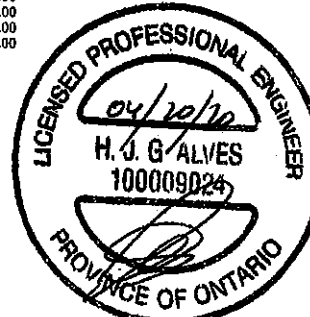
N BMVW-t MT20 4.0 9.0

O BS-t MT20 3.0 6.0

P BMVW-t MT20 4.0 4.0

Q BMVW-t MT20 5.0 6.0

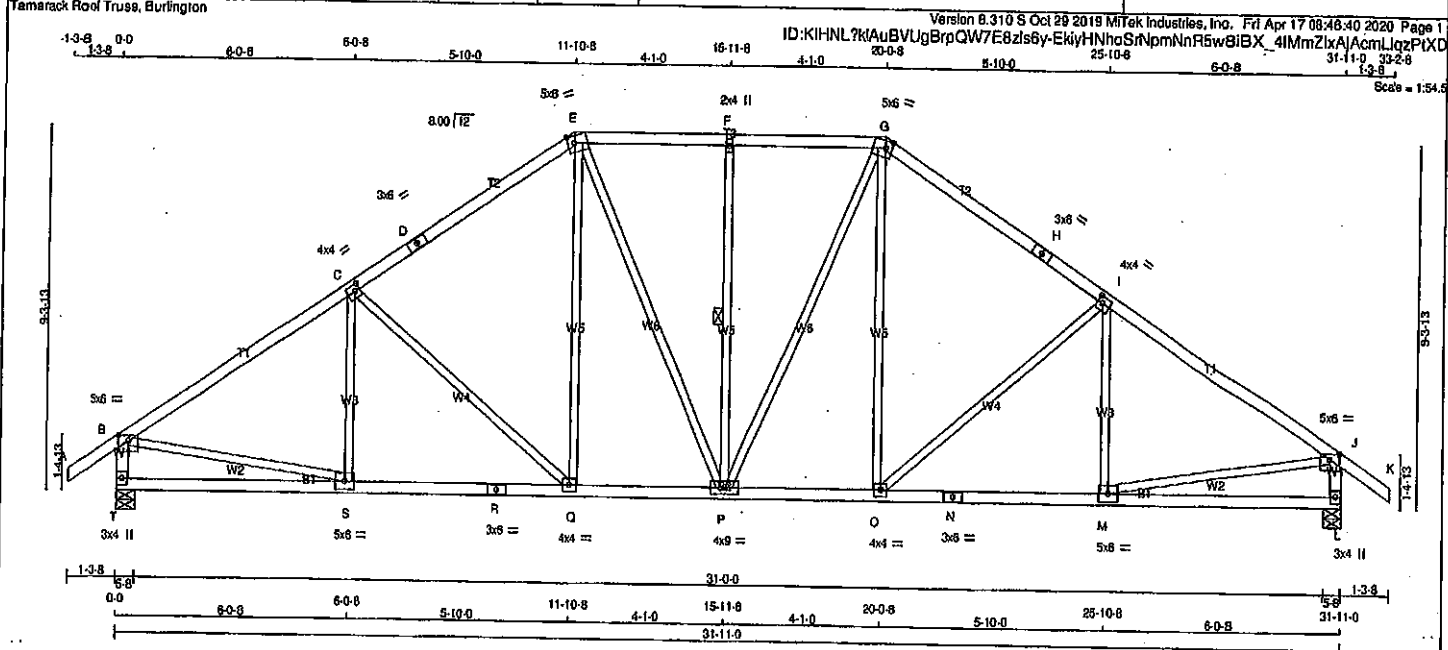
R BMVW-t MT20 3.0 4.0



Structural component only

DWG# T-2006471

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408163	T4	11	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
Version 8.310 S Oct 29 2019 MTek Industries, Inc. Fri Apr 17 08:46:40 2020 Page 1					
ID: KIHNL7KIAuBVUgBrpQW7E8Zisdy-EkiyHNhaSnpMnR5w8IBX_4IMmZlxAJAcmlLqzPfxD					
31-11-0 32-28 1-3-8 Scale = 1:54.5					



LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	DRY	LUMBER
A - D	2x4	DRY	No.2
D - E	2x4	DRY	No.2
E - G	2x4	DRY	No.2
G - H	2x4	DRY	No.2
H - K	2x4	DRY	No.2
K - J	2x4	DRY	No.2
J - I	2x4	DRY	No.2
I - R	2x4	DRY	No.2
R - N	2x4	DRY	No.2
N - L	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	TMVW-p	MT20	5.0	5.0 1.75 3.00
C	TMVW-l	MT20	4.0	4.0 2.00 1.50
D	TS-l	MT20	3.0	8.0
E	TTWW-m	MT20	5.0	6.0 2.25 2.00
F	TMVW-w	MT20	2.0	4.0
G	TTWW-m	MT20	5.0	6.0 2.25 2.00
H	TS-l	MT20	3.0	8.0
I	TMVW-l	MT20	4.0	4.0 2.00 1.50
J	TMVW-p	MT20	5.0	8.0 1.75 3.00
L	BMV1-p	MT20	3.0	4.0
M	BMVW-l	MT20	5.0	6.0
N	BS-l	MT20	3.0	6.0
O	BMVW-l	MT20	4.0	4.0
P	BMVW-l	MT20	4.0	9.0
Q	BMVW-l	MT20	4.0	4.0
R	BS-l	MT20	3.0	6.0
S	BMVW-l	MT20	5.0	6.0
T	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	HORIZ	GROSS REACTION	HORIZ	BRG	IN-SX	BRG	IN-SX
T	1885	0	1885	0	0	5-8	5-8	5-8	5-8
L	1885	0	1885	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS		1ST CASE		MAX/MIN. COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND
T	1331	887/0	0/0	0/0	0/0
L	1331	887/0	0/0	0/0	0/0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.16 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (I.C.)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (I.C.)	
FR-TO		FROM	TO	FR-TO				
A-B	0/35	-91.8	-91.8	1.12 (1)	10.00	S-C	-194/35	0.09 (1)
B-C	-2097/0	-91.8	-91.8	0.59 (1)	4.16	C-Q	-420/0	0.53 (1)
C-D	-1790/0	-91.8	-91.8	0.48 (1)	4.48	Q-E	0/369	0.08 (1)
D-E	-1790/0	-91.8	-91.8	0.48 (1)	4.48	E-P	0/280	0.05 (1)
E-F	-1576/0	-91.8	-91.8	0.21 (1)	5.05	P-F	-449/0	0.28 (1)
F-G	-1576/0	-91.8	-91.8	0.48 (1)	5.05	P-G	0/280	0.06 (1)
G-H	-1790/0	-91.8	-91.8	0.48 (1)	4.48	C-G	0/369	0.09 (1)
H-I	-1790/0	-91.8	-91.8	0.48 (1)	4.48	O-I	-420/0	0.53 (1)
I-J	-2097/0	-91.8	-91.8	0.53 (1)	4.16	M-I	-194/35	0.09 (1)
J-K	0/35	-91.8	-91.8	1.12 (1)	10.00	B-S	0/1803	0.41 (1)
K-L	-1839/0	0.0	0.0	0.19 (1)	6.18	M-J	0/1803	0.41 (1)
L-J	-1839/0	0.0	0.0	0.19 (1)	6.18			
T-S	0/0	-18.5	-18.5	0.16 (4)	10.00			
S-R	0/1775	-18.5	-18.5	0.38 (1)	10.00			
R-Q	0/1775	-18.5	-18.5	0.38 (1)	10.00			
Q-P	0/1481	-18.5	-18.5	0.29 (1)	10.00			
P-O	0/1481	-18.5	-18.5	0.29 (1)	10.00			
O-N	0/1775	-18.5	-18.5	0.38 (1)	10.00			
N-M	0/1775	-18.5	-18.5	0.38 (1)	10.00			
M-L	0/0	-18.5	-18.5	0.16 (4)	10.00			

REGISTERED PROFESSIONAL

04/20/04

TOTAL WEIGHT = 11 X 151 = 1658 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, NBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(5% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.06")
CALCULATED VERT. DEFL.(LL) = L/989 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (1.06")
CALCULATED VERT. DEFL.(TL) = L/989 (0.14")

CSI: TC=0.53/1.00 (B-C:1), BC=0.36/1.00 (D-S:1), WB=0.53/1.00 (C-Q: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

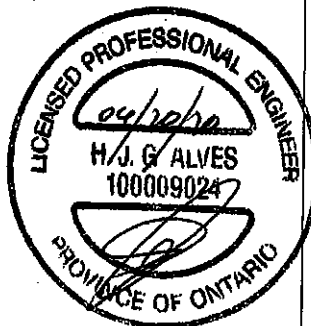
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1667 788 1987 1650

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP=0.84 (B) (INPUT = 0.50)
SI METAL=0.57 (N) (INPUT = 1.00)

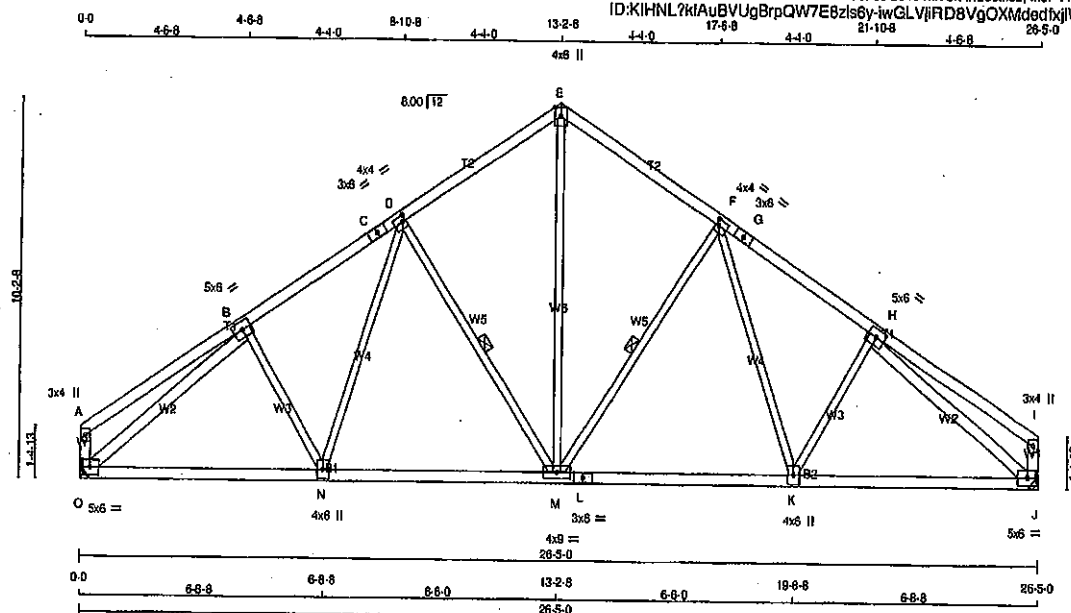


Structural component only
DWG# T-2006472

DRWG NO

Version 8.310 S Oct 29 2019 MTEK Industries, Inc. Fri Apr 17 08:46:41 2020 Page 1
UgBrpQW7E8zls6y-iwGLVjRD8VgOXMdedfxjIWKhl7T1KKtPGVvrGzPXC

Scale = 1:57.2



TOTAL WEIGHT = 4 X 121 = 484 lb

LUMBER				
N. L. G. A.	RULES			
CHORDS	SIZE	LUMBER		DESCR
A - C	2x4	DRY	No.2	SPF
C - B	2x4	DRY	No.2	SPF
S - G	2x4	DRY	No.2	SPF
G - I	2x4	DRY	No.2	SPF
O - A	2x4	DRY	No.2	SPF
J - I	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 - B	2x4	DRY	No.2	SPF
H - J	2x4	DRY	No.2	SPF
DRY; SEASONED LUMBER.				

PLATES (tablets in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+ _p	MT20	3.0	4.0		
B	TMWV+ _t	MT20	5.0	6.0		
C	TS- _t	MT20	3.0	6.0		
D	TMWV+ _t	MT20	4.0	4.0		2.00 1.00
E	TTW+ _p	MT20	4.0	6.0		Edge
F	TMWV+ _t	MT20	4.0	4.0		2.00 1.00
G	TS- _t	MT20	3.0	6.0		
H	TMWV+ _t	MT20	5.0	6.0		
I	TMV+ _p	MT20	3.0	4.0		
J	BMWV+ _t	MT20	5.0	6.0		
K	BMWV+ _t	MT20	4.0	6.0		
L	BS- _t	MT20	3.0	6.0		
M	BMWVW+ _t	MT20	4.0	9.0		
N	BMWV+ _t	MT20	4.0	6.0		
O	BMVW+ _t	MT20	5.0	6.0		

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQ'D BRG
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
O	1456	0	1456	0	0	MECHANICAL	
J	1456	0	1456	0	0	MECHANICAL	

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

UNFACTORED REACTIONS

1ST CASE		MAX./MIN. COMPONENT REACTIONS					
JO	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
J	1030	678 / 0	0 / 0	0 / 0	0 / 0	354 / 0	0 / 0
J	1030	678 / 0	0 / 0	0 / 0	0 / 0	354 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.05 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

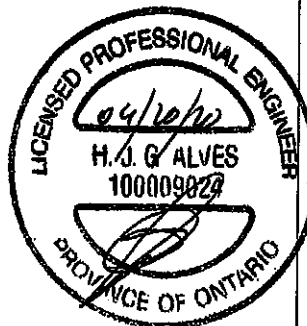
1 LATERAL BRACE(S) AT 1/2 LENGTH OF F.M. D.M.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CS1 (LC)
FR-TO		FROM TO		FR-TO			
A-B	0/21	-91.8	-10.8 0.23 (f)	10.00	M-E	0/985	0.22 (f)
B-C	-1580/0	-91.8	-91.8 0.21 (f)	5.05	M-F	-511/0	0.23 (f)
C-D	-1580/0	-91.8	-91.8 0.21 (f)	5.05	F-K	0/226	0.05 (f)
D-E	-1198/0	-91.8	-91.8 0.21 (f)	5.82	K-H	-92/25	0.03 (f)
E-F	-1198/0	-91.8	-91.8 0.21 (f)	5.82	D-M	-511/0	0.23 (f)
F-G	-1580/0	-91.8	-91.8 0.21 (f)	5.05	N-D	0/226	0.05 (f)
G-H	-1580/0	-91.8	-91.8 0.21 (f)	5.05	B-N	-92/25	0.03 (f)
H-I	0/21	-91.8	-91.8 0.23 (f)	10.00	C-B	-1842/0	0.79 (f)
O-A	-164/0	0.0	0.0 0.02 (f)	7.81	H-J	-1842/0	0.79 (f)
J-I	-164/0	0.0	0.0 0.02 (f)	7.81			
O-N	0/1361	-18.5	-18.5 0.32 (f)	10.00			
N-M	0/1248	-18.5	-18.5 0.30 (f)	10.00			
M-L	0/1248	-18.5	-18.5 0.30 (f)	10.00			
L-K	0/1248	-18.5	-18.5 0.30 (f)	10.00			
K-J	0/1361	-18.5	-18.5 0.32 (f)	10.00			



DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

BOT	CH	DL	=	6.0	PSF
		LL	=	0.0	PSF

BOT	CH.	LL	21	0.0	PSF
		DL	22	7.4	PSF

DL	=	7.4	PSF
TOTAL LOAD	=	39.0	PSF

SEATING 310 311 312

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR
SMALL BUILDING REQUIREMENTS OF PART 9,
NBCC 2010, NBCC 2016

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= $L/360$ (0.88")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.05")
ALLOWABLE DEFL.(TL)= $L/360$ (0.88")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.11")

CSI: TC=0.23/1.00 (H-I:1), BG=0.32/1.00 (J-K:1),
WB=0.79/1.00 (H-J:1), SSI=0.16/1.00 (H-I:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAD VALUES

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

	F10		F12		F15	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1687	788	1987	1658

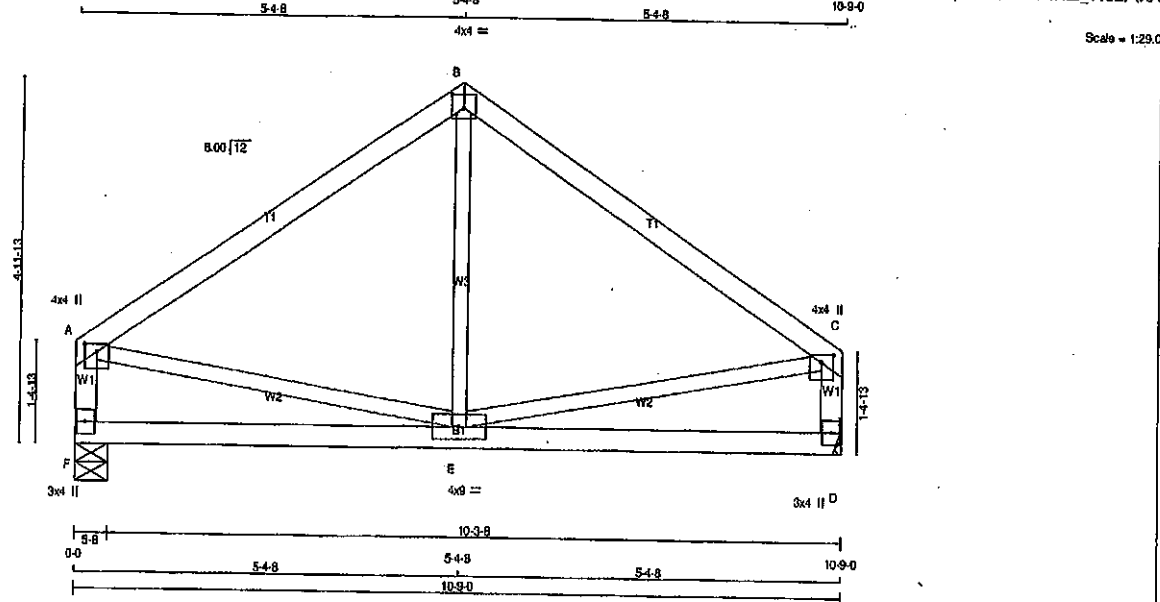
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg

JSI GRIP= 0.88 (M) (INPUT = 0.90)
JSI METAL= 0.46 (H) (INPUT = 1.00)

Structural component only
DWG# T-2006473

Tamarack Roof Truss, Burlington



PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
A	TMVW+p	MT20	4.0	4.0	1.25 2.00
B	TTW+p	MT20	4.0	4.0	2.25 2.00
C	TMVW+p	MT20	4.0	4.0	1.25 2.00
D	BMV1+p	MT20	3.0	4.0	
E	BMVWW+p	MT20	4.0	9.0	
F	BMV1+p	MT20	3.0	4.0	

UNFACTORED REACTIONS							
1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	419	275 / 0	0 / 0	0 / 0	0 / 0	144 / 0	0 / 0
D	419	275 / 0	0 / 0	0 / 0	0 / 0	144 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.

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

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

TOTAL WEIGHT = $2 \times 41 = 83$ lb

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.4	PSF
TOTAL LOAD		=	39.0	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, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/380 (0.36")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.01")
ALLOWABLE DEFL.(TL) = L/380 (0.36")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.02")

CSI: TC=0.34/1.00 (B-C:1), BC=0.15/1.00 (D-E:4),
WB=0.08/1.00 (C-E:1), SSI=0.16/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

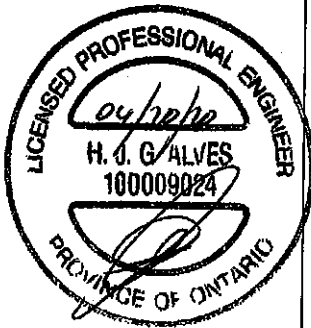
NAIL VALUES						
PLATE	GRIP(DRY)		SHEAR		SECTION	
	(PSI)		(PLI)		(PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	818	354	1667	788	1987	1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.45 (C) (INPUT = 0.80)
JSI METAL= 0.13 (C) (INPUT = 1.00)

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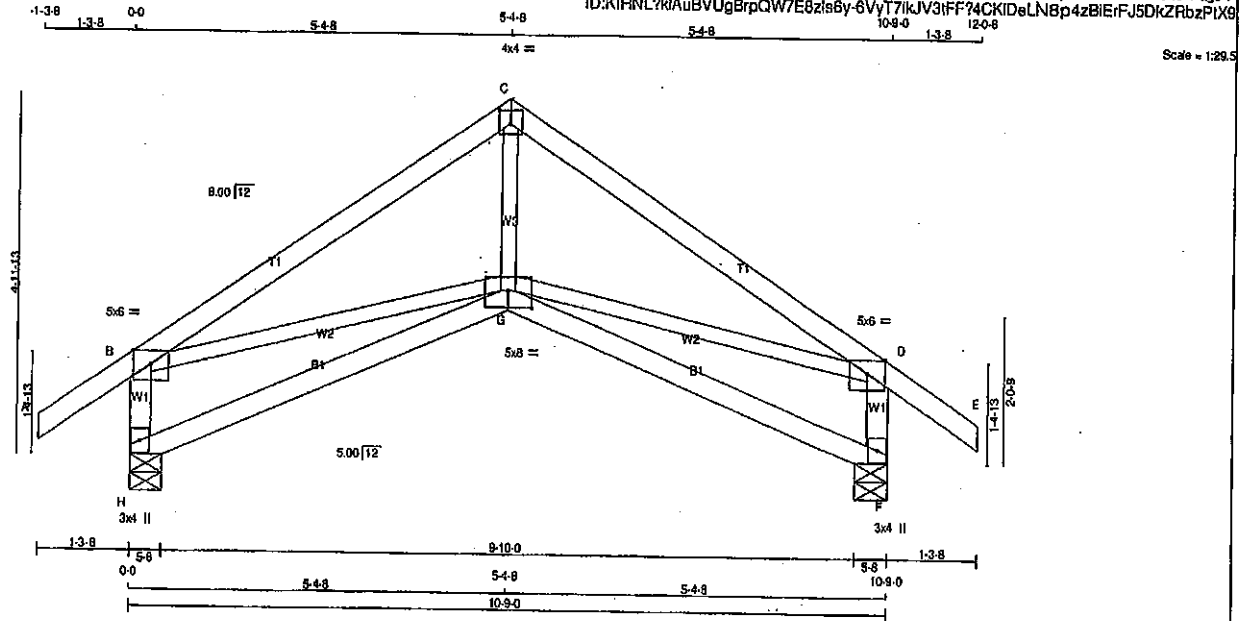


Structural component only
DWG# T-2006474

JOB NAME 408163	TRUSS NAME T7S	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 MTek Industries, Inc. Fri Apr 17 08:46:44 2020 Page 1
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LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - E	2x4	DRY	No.2	SPF	
H - B	2x4	DRY	No.2	SPF	
F - D	2x4	DRY	No.2	SPF	
H - G	2x4	DRY	No.2	SPF	
G - 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	5.0	8.0	Edge	
C	TTW-p	MT20	4.0	4.0	2.25	2.00
D	TMVW-p	MT20	5.0	8.0	Edge	
F	BMV1-p	MT20	3.0	4.0		
G	BBWW-p	MT20	5.0	8.0	2.75	4.00
H	BMV1-p	MT20	3.0	4.0		

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	RECRD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	IN-SX	IN-SX
H	719	0	5-8	5-8
F	719	0	5-8	5-8

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	506	345 / 0	0 / 0	0 / 0	0 / 0	161 / 0	0 / 0
F	506	345 / 0	0 / 0	0 / 0	0 / 0	161 / 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	FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.	MAX. FACTORED	FORCE	MAX
FR-TO	MEMB.	FORCE (LBS)	VERT. (PLF)	CSI (LC)	UNBRAC LENGTH	FR-TO	MEMB.	FORCE (LBS)	CSI (LC)	
A-B	0 / 35	-91.8	-91.8	0.12 (1)	10.00	G-C	0 / 323	0.07 (1)		
B-C	-735 / 0	-91.8	-91.8	0.35 (1)	6.25	B-G	0 / 622	0.14 (1)		
C-D	-735 / 0	-91.8	-91.8	0.35 (1)	6.25	G-D	0 / 622	0.14 (1)		
D-E	0 / 35	-91.8	-91.8	0.12 (1)	10.00					
H-B	-669 / 0	0.0	0.0	0.07 (1)	7.81					
F-D	-669 / 0	0.0	0.0	0.07 (1)	7.81					
H-G	0 / 0	-18.5	-18.5	0.18 (4)	10.00					
G-F	0 / 0	-18.5	-18.5	0.16 (4)	10.00					

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	8.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.4	PSF
TOTAL LOAD	=	38.0	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, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.35")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.02")
ALLOWABLE DEFL.(TL) = $L/360$ (0.35")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.08")

CSI: TC=0.35/1.00 (B-C:1), BC=0.18/1.00 (G-H:4), WB=0.14/1.00 (B-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.

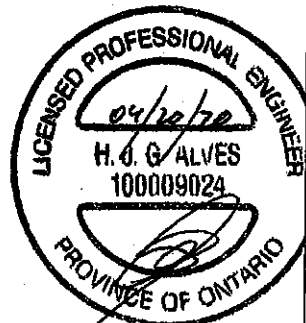
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PS)	(PL)	(PL)	
MAX MIN	MAX MIN	MAX MIN	
MT20	610	354	1667
	788	1997	1656

PLATE PLACEMENT TOL. = 0.250 inches

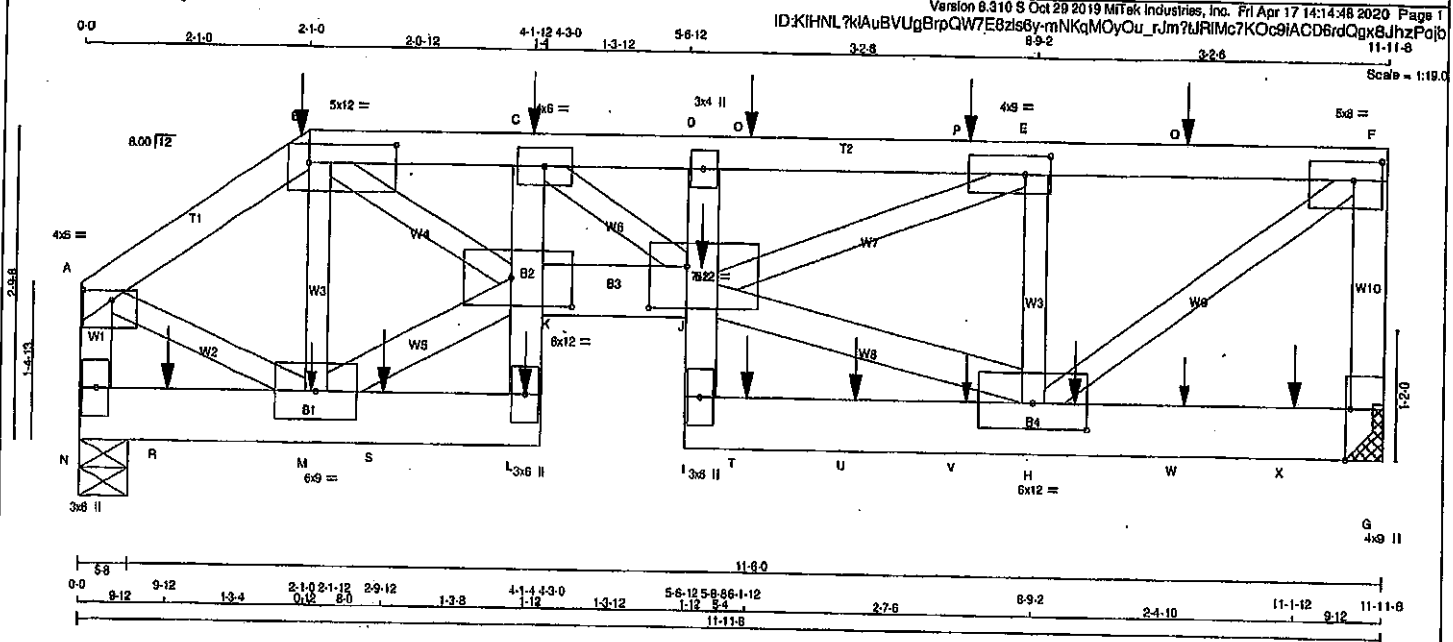
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.54 (C) (INPUT = 0.90)
JSI METAL = 0.17 (D) (INPUT = 1.00)



Structural component only
DWG# T-2006475

JOB NAME 408163	TRUSS NAME T8	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



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

DRY: SEASONED LUMBER.
DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS		
A-B	12	SIDE(61.0)
B-F	12	SIDE(61.0)
F-G	12	TOP
N-A	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
N-L	12	SIDE(0.0)
K-J	12	SIDE(61.0)
I-G	12	SIDE(183.1)
L-C	12	SIDE(29.4)
D-I	3	SIDE(318.3)
WEBS: (0.122"x3") SPIRAL NAILS		
E-H	4	SIDE(192.0)
2x3	1	
2x4	1	

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 (tablets in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	4.0	6.0	1.00	3.25
B	TTWW-I	MT20	5.0	12.0	2.00	8.75
C	TMVW-I	MT20	4.0	6.0		
D	TMV-p	MT20	3.0	4.0		
E	TMVW-I	MT20	4.0	8.0	2.00	2.75
F	TMVW-I	MT20	5.0	8.0	2.00	3.00
G	BMV1-I	MT20	4.0	8.0	Edge	0.50
H	BMVWW-I	MT20	8.0	12.0	2.75	8.00
I	BMV-p	MT20	3.0	8.0		
J	BMVWW-I	MT20	7.0	12.0	4.50	4.00
K	BMVWW-I	MT20	6.0	12.0	3.00	6.75
L	BMV-p	MT20	3.0	8.0		
M	BMVWW-I	MT20	6.0	9.0		
N	BMV1-p	MT20	3.0	8.0		

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	UP	IN-SX
G	5030	0	0	MECHANICAL
N	4034	0	0	5-8

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT G. MINIMUM BEARING LENGTH AT JOINT G = 44.

UNFACTORED REACTIONS

1ST LOASE	MAX/MIN. COMPONENT REACTIONS
JT COMBINED	SNOW LIVE PERM.LIVE WIND DEAD SOIL
G	3552 2359.0 0.0 0.0 0.0 1193.0 0.0
N	2846 1909.0 0.0 0.0 0.0 938.0 0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.25 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	WEBS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX
MEMB.	FORCE	FORCE	FORCE	FORCE	FORCE	MEMB.	FORCE	FORCE	FORCE	FORCE	FORCE
(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)
FR-TO		FROM TO				FR-TO		FROM TO			
A-B	-3843.0	-91.8	-91.8	0.08 (1)	4.77	M-B	-2179.0	0.19 (1)			
B-C	-9549.0	-91.8	-91.8	0.40 (1)	2.87	C-J	0.2246	0.28 (1)			
C-D	-11672.0	-91.8	-91.8	0.62 (1)	2.25	H-E	-2889.0	0.25 (1)			
D-O	-11175.0	-91.8	-91.8	0.63 (1)	2.38	H-F	0.6454	0.80 (1)			
O-P	-11175.0	-91.8	-91.8	0.63 (1)	2.38	A-M	0.3502	0.43 (1)			
P-E	-11175.0	-91.8	-91.8	0.63 (1)	2.38	M-K	0.3191	0.28 (1)			
E-Q	-5097.0	-91.8	-91.8	0.18 (1)	4.16	B-K	0.7537	0.93 (1)			
Q-F	-6097.0	-91.8	-91.8	0.18 (1)	4.16	J-H	0.4983	0.44 (1)			
G-F	-4076.0	0.0	0.0	0.29 (1)	5.87	J-E	0.6452	0.80 (1)			
N-A	-3695.0	0.0	0.0	0.21 (1)	6.12						
N-R	0.0	-18.5	-18.5	0.10 (1)	10.00						
R-M	0.0	-18.5	-18.5	0.10 (1)	10.00						
M-S	0.374	-18.5	-18.5	0.12 (1)	10.00						
S-L	0.374	-18.5	-18.5	0.12 (1)	10.00						
L-K	0.657	0.0	0.0	0.39 (1)	10.00						
K-C	-1484.0	0.0	0.0	0.34 (1)	7.81						
K-J	0.9900	-18.5	-18.5	0.05 (1)	10.00						
I-J	0.677	0.0	0.0	0.52 (1)	10.00						
J-D	-22.24	0.0	0.0	0.46 (1)	7.81						
T-U	0.532	-18.5	-18.5	0.38 (1)	10.00						
U-V	0.532	-18.5	-18.5	0.38 (1)	10.00						
V-H	0.532	-18.5	-18.5	0.38 (1)	10.00						
H-W	0.0	-18.5	-18.5	0.28 (1)	10.00						
W-X	0.0	-18.5	-18.5	0.28 (1)	10.00						
X-G	0.0	-18.5	-18.5	0.28 (1)	10.00						

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	TOTAL	HEEL	CORN.
B	2-1-10	-4	-4	---	BACK	VERT	---	C1
C	4-1-12	-94	-94	---	BACK	VERT	---	C1
H	9-1-12	-1438	-1438	---	FRONT	VERT	---	C1
J	5-8-8	-1448	-1448	---	FRONT	VERT	---	C1
L	4-1-4	-581	-581	---	FRONT	VERT	---	C1
L	4-1-4	-10	-10	---	BACK	VERT	---	C1
M	2-1-12	-1	-1	---	BACK	VERT	---	C1
O	8-1-12	-4	-4	---	BACK	VERT	---	C1
P	8-1-12	-4	-4	---	BACK	VERT	---	C1

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.40")
CALCULATED VERT. DEFL.(LL) = L/899 (0.14")
ALLOWABLE DEFL.(TL) = L/360 (0.40")
CALCULATED VERT. DEFL.(TL) = L/558 (0.26")

CSI: TC=0.63/1.00 (D-E:1), BC=0.65/1.00 (J-K:1), WB=0.93/1.00 (B-K:1), SSI=0.32/1.00 (G-H:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00

COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE (DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (K) (INPUT = 0.90)
JSI METAL= 0.73 (K) (INPUT = 1.00)

Structural component only 1/2
DWG# T-2006476

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408163	T8	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 14:14:48 2020 Page 2
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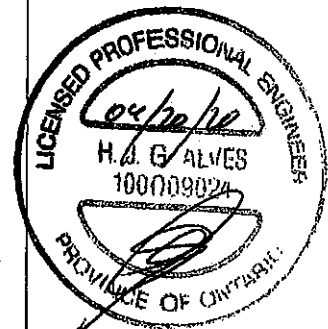
Edge - INDICATES REFERENCE CORNER OF PLATE
TOUCHES EDGE OF CHORD.

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
Q	10-1-12	-4	-4	---	BACK	VERT	TOTAL	---	C1
R	9-12	-702	-702	---	FRONT	VERT	TOTAL	---	C1
S	2-9-12	-574	-574	---	FRONT	VERT	TOTAL	---	C1
T	6-1-12	-6	-6	---	BACK	VERT	TOTAL	---	C1
U	7-1-12	-1438	-1438	---	FRONT	VERT	TOTAL	---	C1
V	8-1-12	-1	-1	---	BACK	VERT	TOTAL	---	C1
W	10-1-12	-1	-1	---	BACK	VERT	TOTAL	---	C1
X	11-1-12	-1439	-1439	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

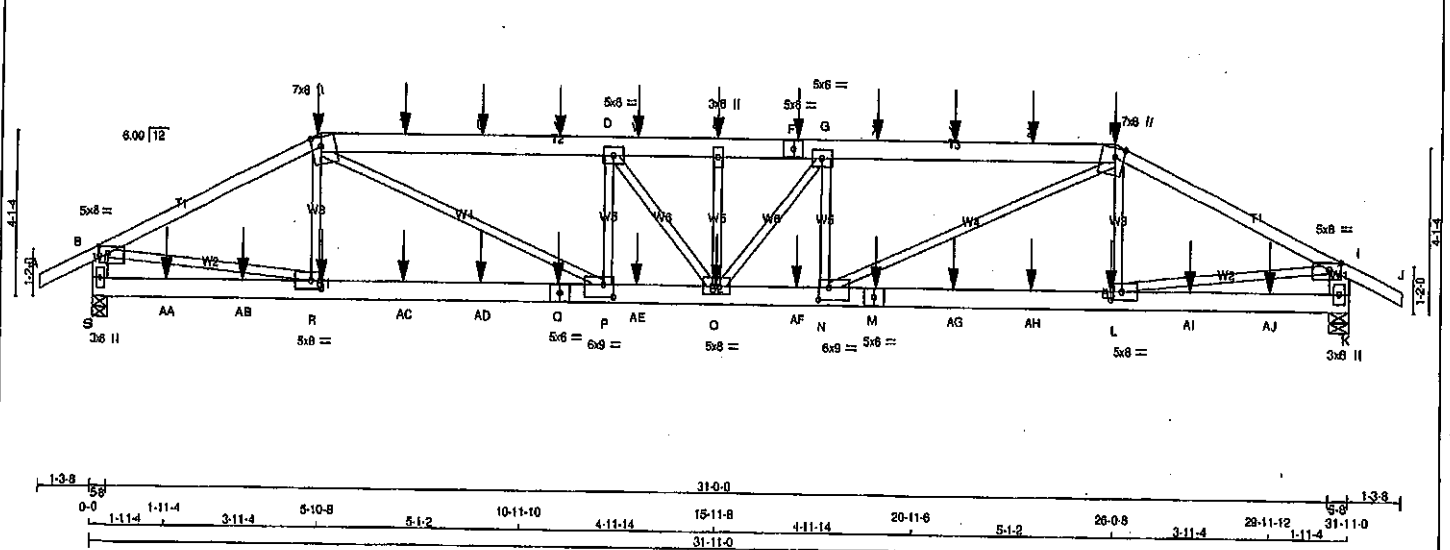
- 1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.



Structural component only
DWG# T-2006476

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JOB NAME 408165	TRUSS NAME T21	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
Tamarack Road Truss, Burlington				Version 8.310 S Oct 29 2019 Mittek Industries, Inc. Fri Apr 17 08:44:20 2020 Page 1 ID:Owhky48Q0cPQc_Y353NoTWzlcKo-KoF1vV?_Ookh_s4XuWdiW0BAKwy8Vdn7_qxOxPZP 36-0-8 31-11-0 33-2-8 1-3-8 1-3-8 1-3-8 Scale = 1:52.6		



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

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS		
A - C	12	SIDE (61.0)
H - J	12	SIDE (61.0)
C - F	2	SIDE (183.1)
F - H	2	SIDE (61.0)
S - B	2	TOP
K - I	2	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
S - O	2	SIDE (183.1)
Q - M	2	SIDE (183.1)
M - K	2	SIDE (183.1)
WEBS: (0.122"x3") SPIRAL NAILS		
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (tablets in inches)	PLATES	W	LEN	Y	X
JT TYPE					
B	TMWW-p	MT20	5.0	8.0	2.00 3.25
C	TTWW+m	MT20	7.0	8.0	2.75 2.75
D	TMWW-i	MT20	5.0	8.0	
E	TMWW-w	MT20	3.0	8.0	
F	TS-i	MT20	5.0	8.0	
G	TMWW-i	MT20	5.0	8.0	
H	TTWW+m	MT20	7.0	8.0	2.75 2.75
I	TMWW-p	MT20	5.0	8.0	2.00 3.25
K	BMV1+p	MT20	3.0	8.0	
L	BMWW-i	MT20	5.0	8.0	2.50 3.25
M	BS-i	MT20	5.0	8.0	
N	BMWW-i	MT20	6.0	9.0	3.75 3.00
O	BMWW-i	MT20	5.0	8.0	
P	BMWW-i	MT20	6.0	9.0	3.75 3.00
Q	BS-i	MT20	5.0	8.0	
R	BMWW-i	MT20	5.0	8.0	2.50 3.25
S	BMV1+p	MT20	3.0	8.0	

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQ'D
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	IN-SX	IN-SX
S	3035	0	5-8	5-8
K	3034	0	5-8	5-8

UNFACTORED REACTIONS	1ST CASE	MAX. MIN. COMPONENT REACTIONS
	COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
JT	2146	1410 / 0 0 / 0 0 / 0 738 / 0 0 / 0
S	2145	1409 / 0 0 / 0 0 / 0 738 / 0 0 / 0
K		

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.07 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	MAX. UNBRACED LENGTH	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	CS1 (LC)	MEMB.	FORCE (LBS)
FR-TO				FR-TO	
A-B	0 / 28	-91.8 -91.8 0.07 (1)	10.00	R-C	-311 / 77 0.04 (1)
B-C	-4576 / 0	-91.8 -91.8 0.48 (1)	4.07	C-P	0 / 2765 0.34 (1)
C-T	-6582 / 0	-91.8 -91.8 0.36 (1)	4.33	P-D	-1080 / 0 0.13 (1)
T-U	-6582 / 0	-91.8 -91.8 0.36 (1)	4.33	D-O	-109 / 0 0.02 (1)
U-V	-6582 / 0	-91.8 -91.8 0.36 (1)	4.33	O-E	0 / 191 0.02 (1)
V-D	-6582 / 0	-91.8 -91.8 0.36 (1)	4.33	E-G	-105 / 0 0.02 (1)
D-W	-6516 / 0	-91.8 -91.8 0.29 (1)	4.40	G-N	-1059 / 0 0.13 (1)
W-E	-6516 / 0	-91.8 -91.8 0.29 (1)	4.40	N-H	0 / 2763 0.34 (1)
E-F	-6516 / 0	-91.8 -91.8 0.29 (1)	4.40	H-I	-311 / 77 0.04 (1)
F-G	-6516 / 0	-91.8 -91.8 0.29 (1)	4.40	I-R	0 / 4138 0.51 (1)
G-X	-6580 / 0	-91.8 -91.8 0.36 (1)	4.33	R-L	0 / 4137 0.51 (1)
X-Y	-6580 / 0	-91.8 -91.8 0.36 (1)	4.33		
Y-Z	-6580 / 0	-91.8 -91.8 0.36 (1)	4.33		
Z-H	-6580 / 0	-91.8 -91.8 0.36 (1)	4.33		
H-I	-4574 / 0	-91.8 -91.8 0.48 (1)	4.07		
I-J	0 / 28	-91.8 -91.8 0.07 (1)	10.00		
S-B	-2972 / 0	0.0 0.0 0.10 (1)	7.91		
K-I	-2971 / 0	0.0 0.0 0.10 (1)	7.91		

S-AA	0 / 0	-18.5 -18.5 0.08 (4)	10.00
AA-AB	0 / 0	-18.5 -18.5 0.08 (4)	10.00
AB-R	0 / 0	-18.5 -18.5 0.08 (4)	10.00
R-AC	0 / 4111	-18.5 -18.5 0.33 (1)	10.00
AC-AD	0 / 4111	-18.5 -18.5 0.33 (1)	10.00
AD-Q	0 / 4111	-18.5 -18.5 0.33 (1)	10.00
Q-P	0 / 4111	-18.5 -18.5 0.33 (1)	10.00
P-AE	0 / 6582	-18.5 -18.5 0.47 (1)	10.00
AE-O	0 / 6582	-18.5 -18.5 0.47 (1)	10.00
O-AF	0 / 6579	-18.5 -18.5 0.47 (1)	10.00
AF-N	0 / 6579	-18.5 -18.5 0.47 (1)	10.00
N-M	0 / 4109	-18.5 -18.5 0.33 (1)	10.00
M-AQ	0 / 4109	-18.5 -18.5 0.33 (1)	10.00
AQ-AH	0 / 4109	-18.5 -18.5 0.33 (1)	10.00
AH-L	0 / 4109	-18.5 -18.5 0.33 (1)	10.00
L-AI	0 / 0	-18.5 -18.5 0.08 (4)	10.00
AI-AJ	0 / 0	-18.5 -18.5 0.08 (4)	10.00
AJ-K	0 / 0	-18.5 -18.5 0.08 (4)	10.00

FACTORED CONCENTRATED LOADS (LBS)	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
JT									
C	5-10-8	-457	-457		FRONT	VERT	TOTAL		G1
E	15-11-3	-110	-110		FRONT	VERT	TOTAL		G1
F	17-11-12	-110	-110		FRONT	VERT	TOTAL		G1

TOTAL WEIGHT = 2 X 155 = 311 LB

DESIGN CRITERIA
SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF
SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.06")
CALCULATED VERT. DEFL.(LL) = L/999 (0.16")
ALLOWABLE DEFL.(TL) = L/360 (1.06")
CALCULATED VERT. DEFL.(TL) = L/999 (0.30")
CSI: TC=0.48/1.00 (B-C:1), BC=0.47/1.00 (O-P:1),
WB=0.51/1.00 (B-R:1), SS=0.29/1.00 (G-H: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 (PS) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1567 788 1567 1559

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.54 (R) (INPUT = 0.90)
JSI METAL= 0.40 (M) (INPUT = 1.00)

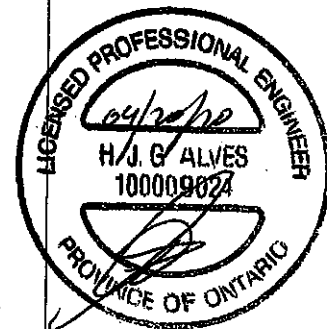
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Tamarack Roof Truss, Burlington				Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 06:44:20 2020 Page 2 ID:Ovhky48Q0cPQg Y353NoTWzckKo-KoF1vV? Qqkh s4XuWdIW0BAKwy8Vdn7 qrxOxzPlZP	

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
H	26-0-8	-457	-457	---	FRONT	VERT	TOTAL	---	C1
L	26-11-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
M	19-11-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
O	15-11-8	-26	-26	---	FRONT	VERT	TOTAL	---	C1
Q	11-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
R	5-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
T	7-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
U	9-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
V	11-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
W	13-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
X	19-11-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Y	21-11-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Z	23-11-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AA	1-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AB	3-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AC	7-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AD	9-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AE	13-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AF	17-11-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AG	21-11-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AH	23-11-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AI	27-11-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AJ	29-11-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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



Structural component only
DWG# T-2006487

7/2

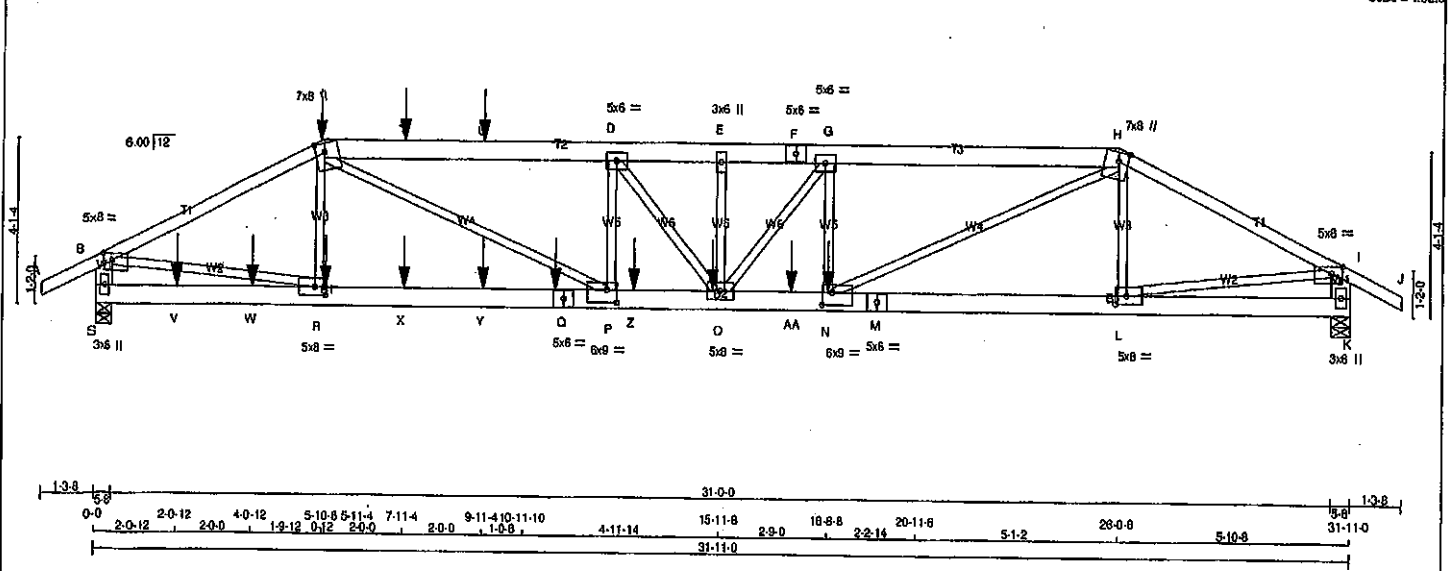
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408165	T21Z	1	2	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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ID:Ovhky48Q0cPQc Y353NoTWzlcKo-o7pP6r0cB7aYb0jRD862DjHvKByE7sGDUBVwOzPIZO

Scale = 1:50.0



LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	DESCR.
A - C	2x4	DRY	No.2
C - F	2x6	DRY	No.2
F - H	2x6	DRY	No.2
H - J	2x4	DRY	No.2
S - B	2x6	DRY	No.2
K - I	2x6	DRY	No.2
S - Q	2x6	DRY	No.2
Q - M	2x6	DRY	No.2
M - K	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-C	1	12	SIDE(61.0)
H-J	1	12	TOP
C-F	2	12	SIDE(61.0)
F-H	2	12	TOP
S-B	2	12	TOP
K-I	2	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS			
S-Q	2	12	SIDE(183.1)
Q-M	2	12	SIDE(183.1)
M-K	2	12	TOP
WEBS : (0.122"x3") SPIRAL NAILS			
2x3	1	6	SIDE(300.5)
G-N	1	6	SIDE(300.5)

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table in inches)				
JT TYPE	PLATES	W	LEN	Y
B	TMVW-p	MT20	5.0	8.0
C	TTWW+m	MT20	7.0	8.0
D	TMVW-i	MT20	5.0	8.0
E	TMVW+w	MT20	3.0	6.0
F	TS-i	MT20	5.0	8.0
G	TMVW+m	MT20	5.0	8.0
H	TTWW+m	MT20	7.0	8.0
I	TMVW-p	MT20	5.0	8.0
K	BMV1+p	MT20	3.0	6.0
L	BMVW-i	MT20	5.0	8.0
M	BS-i	MT20	5.0	8.0
N	BMVW-i	MT20	8.0	9.0
O	BMVW-i	MT20	5.0	8.0
P	BMVW-i	MT20	8.0	9.0
Q	BS-i	MT20	5.0	8.0
R	BMVW-i	MT20	5.0	8.0
S	BMV1+p	MT20	3.0	6.0

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS REACTION	GROSS REACTION	DOWN	UP	BRG	BRG	IN-SX	IN-SX
S	4681	0	4681	0	0	5-8	5-8		
K	4115	0	4115	0	0	5-8	5-8		
UNFACTORED REACTIONS		1ST LCASE		MAX/MIN COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERMILIVE	WIND	DEAD	SOIL		
S	3288	2187.0	0.0	0.0	0.0	1092.0	0.0		
K	2901	1954.0	0.0	0.0	0.0	947.0	0.0		

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.09 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.	MEMB.	MAX. FACTORED	MAX. FACTORED
FORCE (LBS)	FORCE (LBS)	VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)
FR-TO	FR-TO	FROM TO	FROM TO
A-B	0.28	-81.8	-81.8
B-C	-7528.0	-81.8	-81.8
C-T	-11598.0	-81.8	-81.8
T-U	-11598.0	-81.8	-81.8
U-D	-11598.0	-81.8	-81.8
D-E	-11893.0	-81.8	-81.8
E-F	-11893.0	-81.8	-81.8
F-G	-11893.0	-81.8	-81.8
G-H	-11804.0	-81.8	-81.8
H-I	-6538.0	-81.8	-81.8
I-J	0.28	-81.8	-81.8
J-K	-4635.0	0.0	0.0
K-L	-4078.0	0.0	0.0
S-V	0.0	-18.5	-18.5
V-W	0.0	-18.5	-18.5
W-R	0.0	-18.5	-18.5
R-X	0.6747	-18.5	-18.5
X-Y	0.6747	-18.5	-18.5
Y-Q	0.6747	-18.5	-18.5
Q-P	0.6747	-18.5	-18.5
P-Z	0.11598	-18.5	-18.5
Z-O	0.11598	-18.5	-18.5
O-AA	0.11803	-18.5	-18.5
AA-N	0.11803	-18.5	-18.5
N-M	0.5878	-18.5	-18.5
M-L	0.5878	-18.5	-18.5
L-K	0.0	-18.5	-18.5

FACTORED CONCENTRATED LOADS (LBS)	
JT	LOC.
C	5-10-8
N	18-8-8
O	15-9-4
Q	11-9-4
R	5-11-4
T	7-11-4
U	9-11-4
V	2-0-12
W	4-0-12
X	7-11-4
Y	9-11-4
Z	13-9-4

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 38.0 PSF

SPACING = 24.0 IN/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2010, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.06")

CALCULATED VERT. DEFL.(LL) = L/999 (0.29")

ALLOWABLE DEFL.(TL) = L/360 (1.06")

CALCULATED VERT. DEFL.(TL) = L/717 (0.53")

CS: TC=0.75/1.00 (B-C:1), BC=0.94/1.00 (N-O:1), WB=0.84/1.00 (B-R:1), SSI=0.23/1.00 (P-R:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00

COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 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 1887 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (N) (INPUT = 0.90)

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

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	T21Z	1	2	TRUSS DESC.		

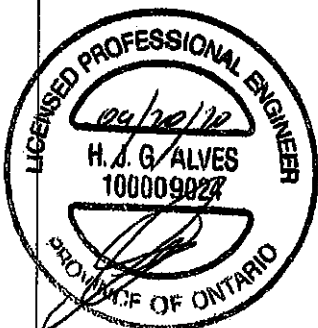
Tamarack Roof Truss, Burlington

Version 8.310 8 Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 08:44:21 2020 Page 2
 ID:Ovhtky48Q0cPQc Y353NoTWzicKq-g7oP6r0cB7sYb0iIRDB862DiHvKBvE7sGDubVwOzPiZO

FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
AA	17-8-4	-459	-459	---	BACK	VERT	TOTAL	--	C1

CONNECTION REQUIREMENTS

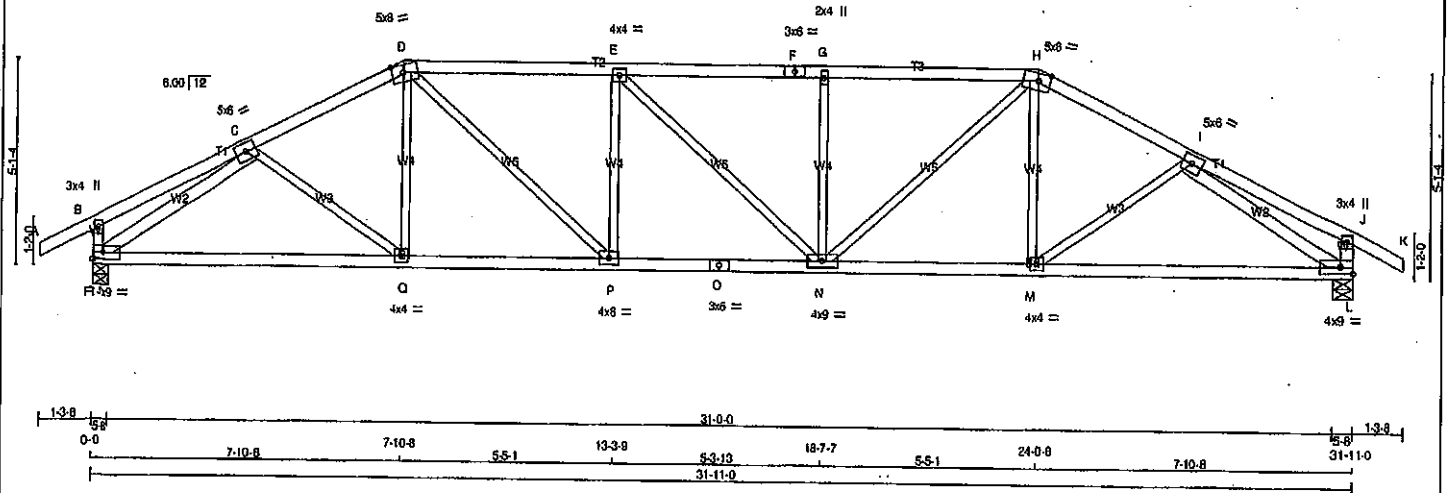
1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.



Structural component only
 DWG# T-2006488

JOB NAME 408165	TRUSS NAME T22	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.310 S Oct 29 2019 MiTek Industries, Inc. Fri Apr 17 08:44:21 2020 Page 1
 ID: 1ebEM4Ce92xn94Zv7kFPizmBR3-a7pP6R0cB7sYb0jRD862DjKBK-HRE1RGDUbVwOzPIZO
 1-3-8 0-0 4-0-8 4-0-8 3-10-0 7-10-8 5-5-1 13-3-9 5-3-13 18-7-7 5-5-1 24-0-8 3-10-0 27-10-8 4-0-8 31-11-0 1-3-8
 Scale = 1:52.6



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 - H	2x4 DRY	No.2	SPF
H - K	2x4 DRY	No.2	SPF
R - B	2x4 DRY	No.2	SPF
L - J	2x4 DRY	No.2	SPF
R - O	2x4 DRY	No.2	SPF
O - L	2x4 DRY	No.2	SPF
ALL WEBS EXCEPT	2x3 DRY	No.2	SPF
R - C	2x4 DRY	No.2	SPF
I - L	2x4 DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table in inches)				
JT TYPE	PLATES	W	LEN	Y X
B TMV+p	MT20	3.0	4.0	
C TMWV-t	MT20	5.0	6.0	
D TTWW-m	MT20	5.0	6.0	2.25 3.50
E TMWV-t	MT20	4.0	4.0	
F TS-t	MT20	3.0	6.0	
G TMW+w	MT20	2.0	4.0	
H TTWW-m	MT20	5.0	6.0	2.25 3.50
I TMWV-t	MT20	5.0	6.0	
J TMV+p	MT20	3.0	4.0	
L BMWV-1	MT20	4.0	9.0	Edge
M BMWV-1	MT20	4.0	4.0	
N BMWV-1	MT20	4.0	9.0	
O BS-t	MT20	3.0	6.0	
P BMWV-1	MT20	4.0	6.0	
Q BMWV-1	MT20	4.0	4.0	
R BMWV-1	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		FACTORED	MAXIMUM FACTORED	INPUT	REQD
		GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
R	1884	0	1884	0	0
L	1884	0	1884	0	0

UNFACTORED REACTIONS

1ST LOASE		MAX. MIN. COMPONENT REACTIONS				
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
R	1330	886 / 0	0 / 0	0 / 0	0 / 0	444 / 0
L	1330	886 / 0	0 / 0	0 / 0	0 / 0	444 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.61 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 / 28	-91.8	-91.8 0.12 (1)	10.00	C-Q	0 / 74	0.03 (4)
B-C	0 / 17	-91.8	-91.8 0.20 (1)	10.00	Q-D	0 / 133	0.04 (4)
C-D	-2469 / 0	-91.8	-91.8 0.30 (1)	4.12	D-P	0 / 933	0.21 (1)
D-E	-2693 / 0	-91.8	-91.8 0.54 (1)	3.81	P-E	-534 / 0	0.21 (1)
E-F	-2691 / 0	-91.8	-91.8 0.53 (1)	3.81	E-N	-2 / 0	0.00 (1)
F-G	-2691 / 0	-91.8	-91.8 0.53 (1)	3.61	N-G	-533 / 0	0.21 (1)
G-H	-2691 / 0	-91.8	-91.8 0.53 (1)	3.81	N-H	0 / 931	0.21 (1)
H-I	-2469 / 0	-91.8	-91.8 0.30 (1)	4.12	M-H	0 / 134	0.04 (4)
I-J	0 / 17	-91.8	-91.8 0.20 (1)	10.00	M-I	0 / 74	0.03 (4)
J-K	0 / 28	-91.8	-91.8 0.12 (1)	10.00	R-C	-2668 / 0	0.74 (1)
R-B	-269 / 0	0.0	0.0 0.03 (1)	7.81	I-L	-2667 / 0	0.74 (1)
L-J	-269 / 0	0.0	0.0 0.03 (1)	7.81			
R-Q	0 / 2167	-18.5	-18.5 0.49 (1)	10.00			
Q-P	0 / 2194	-18.5	-18.5 0.48 (1)	10.00			
P-O	0 / 2693	-18.5	-18.5 0.53 (1)	10.00			
O-N	0 / 2693	-18.5	-18.5 0.53 (1)	10.00			
N-M	0 / 2194	-18.5	-18.5 0.49 (1)	10.00			
M-L	0 / 2168	-18.5	-18.5 0.49 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	=	25.6	PSF
DL	=	6.0	PSF
BOT CH. LL	=	0.0	PSF
DL	=	7.4	PSF
TOTAL LOAD	=	39.0	PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, OBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (1.06")
 CALCULATED VERT. DEFL. (LL) = L/999 (0.15")
 ALLOWABLE DEFL. (TL) = L/360 (1.06")
 CALCULATED VERT. DEFL. (TL) = L/999 (0.29")

CSI: TC=0.54/1.00 (D-E:1), BC=0.53/1.00 (N-P:1), WB=0.74/1.00 (I-L:1), SS=0.23/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

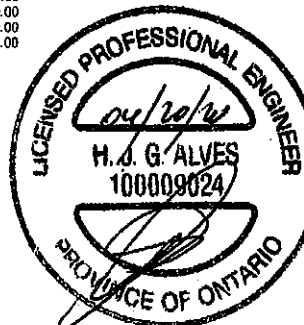
NAIL VALUES

PLATE GRIP (ORY)	SHEAR (PLI)	SECTION (PLI)
(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1687 788 1987 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

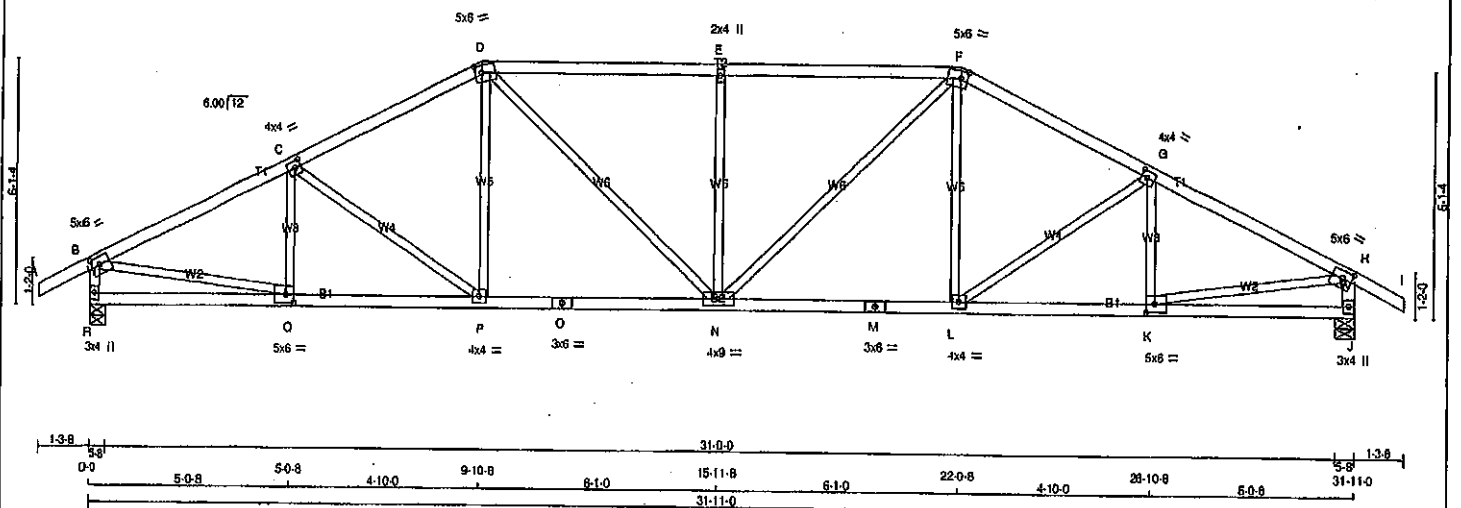
JSI GRIP = 0.84 (O) (INPUT = 0.90)
 JSI METAL = 0.94 (O) (INPUT = 1.00)



Structural component only
 DWG# T-2006489

JOB NAME 408165	TRUSS NAME T23	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWGNO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 ID:1ebEM4Ce92xm94Zv7kFPizmBR3-GBMoKB1EyR_ODAEv7xfLbRGV_jf9yX8PF8K2SgZPzN
 1-3-8 0-0 5-0-8 5-0-8 4-10-0 9-10-8 6-1-0 15-11-8 6-1-0 22-0-8 4-10-0 26-10-8 5-0-8 31-11-0 1-3-8
 Scale = 1:52.5



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
F - I	2x4	DRY	No.2
R - H	2x4	DRY	No.2
J - T	2x4	DRY	No.2
R - O	2x4	DRY	No.2
O - M	2x4	DRY	No.2
M - J	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	TMVW-1	MT20	5.0	6.0 2.25 2.75
C	TMVW-1	MT20	4.0	4.0 2.00 1.75
D	TTWW-m	MT20	5.0	6.0 2.25 2.00
E	TMVW-w	MT20	2.0	4.0
F	TTWW-m	MT20	5.0	6.0 2.25 2.00
G	TMVW-1	MT20	4.0	4.0 2.00 1.75
H	TMVW-1	MT20	5.0	6.0 2.25 2.75
J	BMV1-p	MT20	3.0	4.0
K	BMVW-1	MT20	5.0	6.0 2.50 2.50
L	BMVW-1	MT20	4.0	4.0
M	BS-1	MT20	3.0	6.0
N	BMVWVW-1	MT20	4.0	9.0
O	BS-1	MT20	3.0	6.0
P	BMVWVW-1	MT20	4.0	4.0
Q	BMVWVW-1	MT20	5.0	6.0 2.50 2.50
R	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	UPLIFT	IN-SX	IN-SX		
R	1884	0	1884	0	0	5-8	5-8		
J	1884	0	1884	0	0	5-8	5-8		
UNFACTORED REACTIONS									
1ST LCASE	MAX	MIN	COMPONENT	REACTIIONS					
JT	COMBINED	SNOW	LIVE	PERM	LIVE	WIND	DEAD	SOIL	
R	1330	888	0	0	0	0	444	0	0
J	1330	888	0	0	0	0	444	0	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.82 FT.

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

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

LOADING									
TOTAL LOAD CASES: (4)									
CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED MAX CSI (LC)		
FR-TO		FROM	TO	LENGTH	FR-TO				
A-B	0/28	-91.8	-91.8	0.12 (1)	10.00	Q-C	-301 / 0	0.07 (1)	
B-C	-2538 / 0	-91.8	-91.8	0.37 (1)	4.02	C-P	-264 / 0	0.16 (1)	
C-D	-2342 / 0	-91.8	-91.8	0.35 (1)	4.17	P-D	0 / 257	0.06 (1)	
D-E	-2493 / 0	-91.8	-91.8	0.54 (1)	3.82	D-N	0 / 575	0.13 (1)	
E-F	-2493 / 0	-91.8	-91.8	0.54 (1)	3.82	N-E	-685 / 0	0.40 (1)	
F-G	-2342 / 0	-91.8	-91.8	0.35 (1)	4.17	N-F	0 / 575	0.13 (1)	
G-H	-2538 / 0	-91.8	-91.8	0.37 (1)	4.02	L-F	0 / 257	0.06 (1)	
H-I	0/28	-91.8	-91.8	0.12 (1)	10.00	L-G	-264 / 0	0.16 (1)	
R-B	-1841 / 0	0.0	0.0	0.19 (1)	6.17	K-G	-301 / 0	0.07 (1)	
J-H	-1841 / 0	0.0	0.0	0.19 (1)	6.17	B-Q	0 / 2323	0.52 (1)	
						K-H	0 / 2323	0.52 (1)	
R-Q	0/0	-18.5	-18.5	0.10 (4)	10.00				
Q-P	0/2290	-18.5	-18.5	0.43 (1)	10.00				
P-O	0/2077	-18.5	-18.5	0.40 (1)	10.00				
O-N	0/2077	-18.5	-18.5	0.40 (1)	10.00				
N-M	0/2077	-18.5	-18.5	0.40 (1)	10.00				
M-L	0/2077	-18.5	-18.5	0.40 (1)	10.00				
L-K	0/2290	-18.5	-18.5	0.43 (1)	10.00				
K-J	0/0	-18.5	-18.5	0.10 (4)	10.00				

DESIGN CRITERIA	
SPECIFIED LOADS:	
TOP CH. LL	= 25.6 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF
SPACING	= 24.0 IN. O.C.

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBC 2010, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (1.06")

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

ALLOWABLE DEFL. (TL) = L/360 (1.06")

CALCULATED VERT. DEFL. (TL) = L/999 (0.24")

CS1: TC=0.54/1.00 (D-E:1), BC=0.43/1.00 (K-L:1), WB=0.62/1.00 (H-K:1), SL=0.27/1.00 (E-F:1)

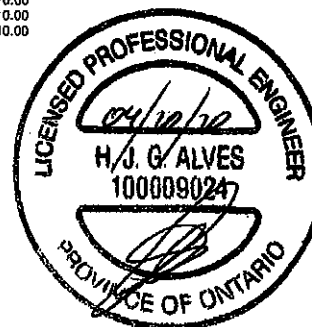
DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

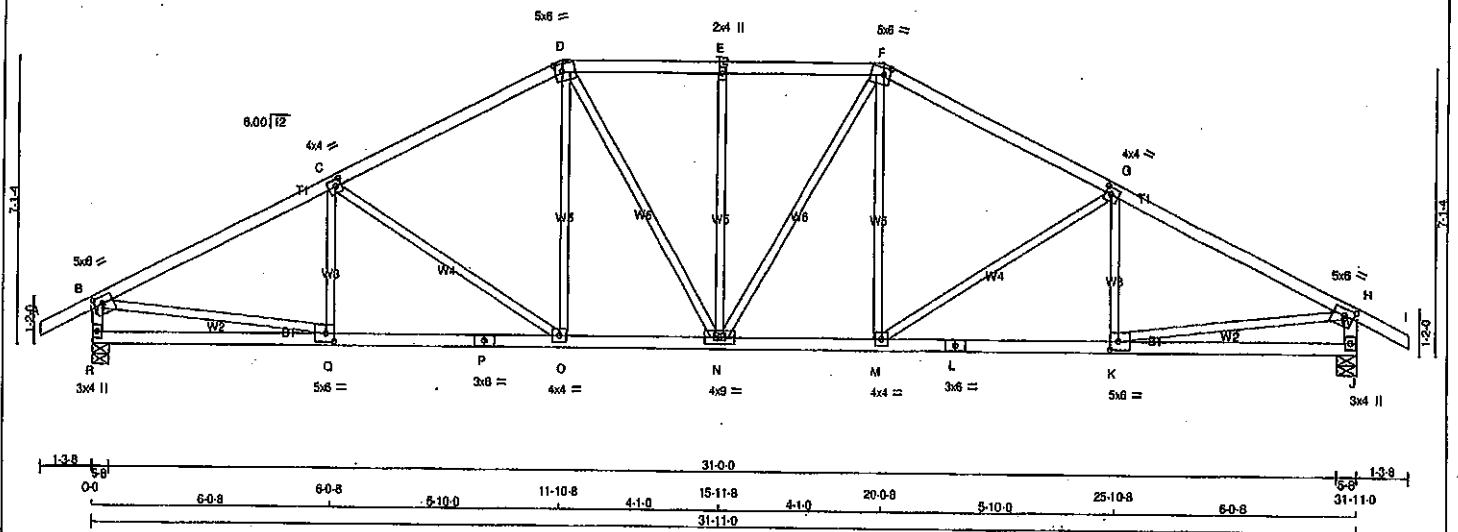
COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES			
PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX MIN	MAX MIN	MAX MIN	
MT20	618	354	1667 788 1987 1658
PLATE PLACEMENT TOL. = 0.250 inches			
PLATE ROTATION TOL. = 5.0 Deg.			
JSI GRIP = 0.80 (B) (INPUT = 0.90)			
JSI METAL = 0.87 (B) (INPUT = 1.00)			



JOB NAME 408165	TRUSS NAME T24	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.310 S Oct 29 2019 Mtek Industries, Inc. Fri Apr 17 08:44:22 2020 Page 1 ID:1ebEM4Ce92xn94Zv7kFPizmBR3-GBMoKB1EYr_ODAEv7xILbRGVpI6yX7PR8K2SgZPZn		
Scale = 1/2" = 1'-0"						



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
F - I	2x4	DRY	No.2
R - B	2x4	DRY	No.2
J - H	2x4	DRY	No.2
R - P	2x4	DRY	No.2
P - L	2x4	DRY	No.2
L - J	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	TMVW-1	MT20	5.0	5.0 2.00 2.75
C	TMVW-1	MT20	4.0	4.0 2.00 1.75
D	TMVW-m	MT20	5.0	5.0 2.25 2.00
E	TMVW-w	MT20	2.0	4.0
F	TMVW-m	MT20	5.0	5.0 2.25 2.00
G	TMVW-1	MT20	4.0	4.0 2.00 1.75
H	TMVW-1	MT20	5.0	5.0 2.00 2.75
J	BMV1+p	MT20	3.0	4.0
K	BMVW-1	MT20	5.0	5.0 2.50 2.50
L	BS-1	MT20	3.0	5.0
M	BMVW-1	MT20	4.0	4.0
N	BMVW-1	MT20	4.0	4.0
O	BMVW-1	MT20	4.0	4.0
P	BS-1	MT20	3.0	5.0
Q	BMVW-1	MT20	5.0	5.0 2.50 2.50
R	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		REQ'D	
		GROSS REACTION		GROSS REACTION		BRG		BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX	IN-SX
R	1884	0	1884	0	0	5-8	5-8	5-8	5-8
J	1884	0	1884	0	0	5-8	5-8	5-8	5-8
UNFACTORED REACTIONS									
		1ST LCASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL		
R	1330	886 / 0	0 / 0	0 / 0	0 / 0	444 / 0	0 / 0		
J	1330	886 / 0	0 / 0	0 / 0	0 / 0	444 / 0	0 / 0		

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.75 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	
		MAX. FACTORED		MAX. FACTORED		MAX. FACTORED		MAX. FACTORED	
		MEMB. FORCE (LBS)		VERT. LOAD LC1 MAX. (PLF)		MEMB. FORCE (LBS)		MEMB. FORCE (LBS)	
				CS1 (LC) UNBRAC					
				LENGTH FR-TO					
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	Q-C	-212 / 29	0.08 (1)	
B-C	-2579 / 0	-91.8	-91.8	0.55 (1)	3.75	C-D	-480 / 0	0.48 (1)	
C-D	-2188 / 0	-91.8	-91.8	0.49 (1)	4.11	D-E	0 / 362	0.08 (1)	
D-E	-2088 / 0	-91.8	-91.8	0.24 (1)	4.49	E-F	0 / 288	0.07 (1)	
E-F	-2068 / 0	-91.8	-91.8	0.24 (1)	4.49	F-G	-451 / 0	0.39 (1)	
F-G	-2188 / 0	-91.8	-91.8	0.49 (1)	4.11	G-H	0 / 296	0.07 (1)	
G-H	-2579 / 0	-91.8	-91.8	0.55 (1)	3.75	H-I	0 / 362	0.08 (1)	
H-I	0 / 28	-91.8	-91.8	0.12 (1)	10.00	I-J	-480 / 0	0.48 (1)	
I-J	-1838 / 0	0.0	0.0	0.19 (1)	6.18	J-K	-212 / 29	0.08 (1)	
J-K	-1838 / 0	0.0	0.0	0.19 (1)	6.18	K-L	0 / 2355	0.53 (1)	
K-L						L-M	0 / 2355	0.53 (1)	
L-M						M-N			
M-N						N-O			
N-O						O-P			
O-P						P-Q			
P-Q						Q-R			
Q-R						R-S			
R-S						S-T			
S-T						T-U			
T-U						U-V			
U-V						V-W			
V-W						W-X			
W-X						X-Y			
X-Y						Y-Z			
Y-Z						Z-A			

DESIGN CRITERIA	
SPECIFIED LOADS:	
TOP CH. LL	= 25.8 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF
SPACING	= 24.0 IN. O.C.

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2018, NBC 2012, ABC 2019
- PART 9 OF NBC 2012 (2018 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/360$ (1.06")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.12")
ALLOWABLE DEFL. (TL) = $L/360$ (1.06")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.21")

CS1: TC=0.59/1.00 (G-H:1), BC=0.44/1.00 (K-M:1), WB=0.53/1.00 (H-K:1), SS=0.24/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

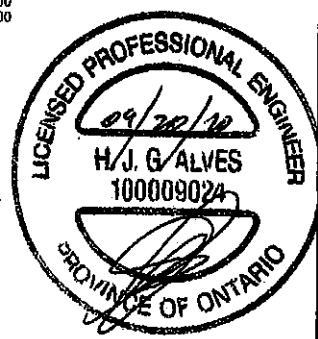
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES			
PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1667 788	1887 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

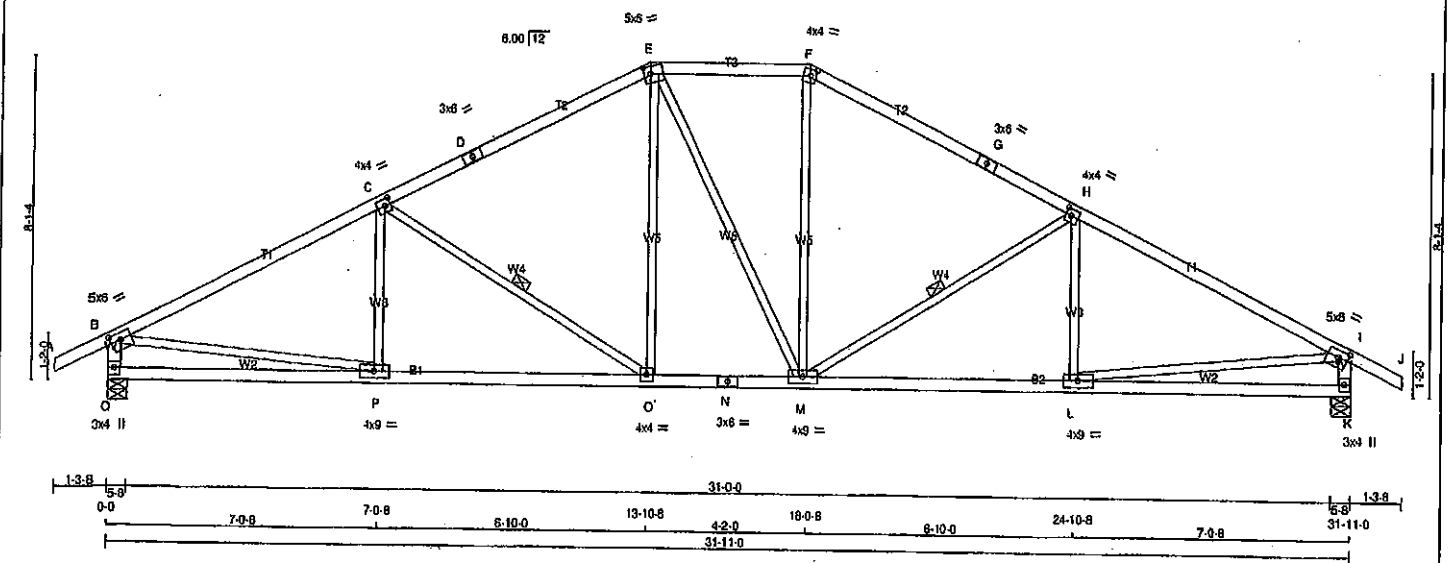
JSI GRIP= 0.88 (H) (INPUT = 0.90)
JSI METAL= 0.74 (P) (INPUT = 1.00)



Structural component only
DWG# T-2006491

JOB NAME 408165	TRUSS NAME T25	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 ID:1ebEM4Ce92xn94Zv?kFPizmBR3-GBMoKB1Eyr_ODAEv?xILbRGRCjePyXzPRBK2SqzPizN
 31-11-0 33-2-8
 Scale = 1:53.3



LUMBER		
N. L. G. A. RULES	SIZE	LUMBER
CHORDS		
A - D	2x4	DRY No.2
D - E	2x4	DRY No.2
E - F	2x4	DRY No.2
F - G	2x4	DRY No.2
G - J	2x4	DRY No.2
Q - R	2x4	DRY No.2
K - I	2x4	DRY No.2
N - N	2x4	DRY No.2
N - K	2x4	DRY No.2
ALL WEBS EXCEPT	2x3	DRY No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)				
JT TYPE	PLATES	W	LEN	Y X
B TMVW-I	MT20	5.0	6.0	2.00 2.75
C TMVW-I	MT20	4.0	4.0	2.00 1.75
D TS-I	MT20	3.0	6.0	
E TTWW-m	MT20	5.0	6.0	2.25 2.00
F TTW-m	MT20	4.0	4.0	2.00 1.75
G TS-I	MT20	3.0	6.0	
H TMVW-I	MT20	4.0	4.0	2.00 1.75
I TMVW-I	MT20	5.0	6.0	2.00 2.75
K BMV1-p	MT20	3.0	4.0	
L BMVW-I	MT20	4.0	6.0	
M BMVW-I	MT20	4.0	6.0	
N BS-I	MT20	3.0	6.0	
O BMVW-I	MT20	4.0	4.0	
P BMVW-I	MT20	4.0	6.0	
Q 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	HORZ	DOWN	HORZ	UPLIFT
Q	1884	0	1884	0	0
K	1884	0	1884	0	0

UNFACTORED REACTIONS		1ST CASE	MAX/MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE
Q	1330	886 / 0	0 / 0
K	1330	886 / 0	0 / 0

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

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.47 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING		TOTAL LOAD CASES: (4)	
CHORDS		WEBS	
MEMB.	FORCE (LBS)	MEMB.	FORCE (LBS)
A-B	0 / 28	P-C	-140 / 71
B-C	-2587 / 0	C-O	-881 / 0
C-D	-2013 / 0	O-E	0 / 458
D-E	-2013 / 0	E-M	0 / 2
E-F	-1775 / 0	M-F	0 / 460
F-G	-2013 / 0	M-H	-880 / 0
G-H	-2013 / 0	H-I	-142 / 70
H-I	-2587 / 0	I-J	0 / 2382
I-J	0 / 28	J-K	0 / 2381
O-B	-1830 / 0		
K-I	-1830 / 0		
Q-P	0 / 0		
P-O	0 / 2344		
O-N	0 / 1774		
N-M	0 / 1774		
M-L	0 / 2344		
L-K	0 / 0		

DESIGN CRITERIA

SPECIFIED LOADS:
 TOP CH. LL = 25.6 PSF
 DL = 6.0 PSF
 BOT CH. LL = 0.0 PSF
 DL = 7.4 PSF
 TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. OC

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

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

THIS DESIGN COMPLIES WITH:
 - PART 9 OF CBC 2018, CBC 2012, ABC 2019
 - PART 9 OF CBC 2012 (2019 AMENDMENT)
 - CSA 086-09, CSA 086-14
 - TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.06")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
 ALLOWABLE DEFL.(TL) = L/360 (1.06")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.24")

CSI: TC=0.78/1.00 (B-C-I), BC=0.48/1.00 (O-P-I), WB=0.53/1.00 (B-P-I), SI=0.28/1.00 (H-I-I)

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

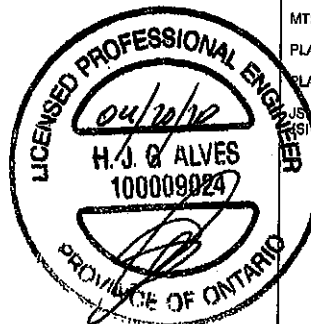
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
 PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
 MAX MIN MAX MIN MAX MIN
 MT20 618 354 1887 788 1887 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JS GRIP= 0.89 (B) (INPUT = 0.90)
 JSI METAL= 0.70 (B) (INPUT = 1.00)

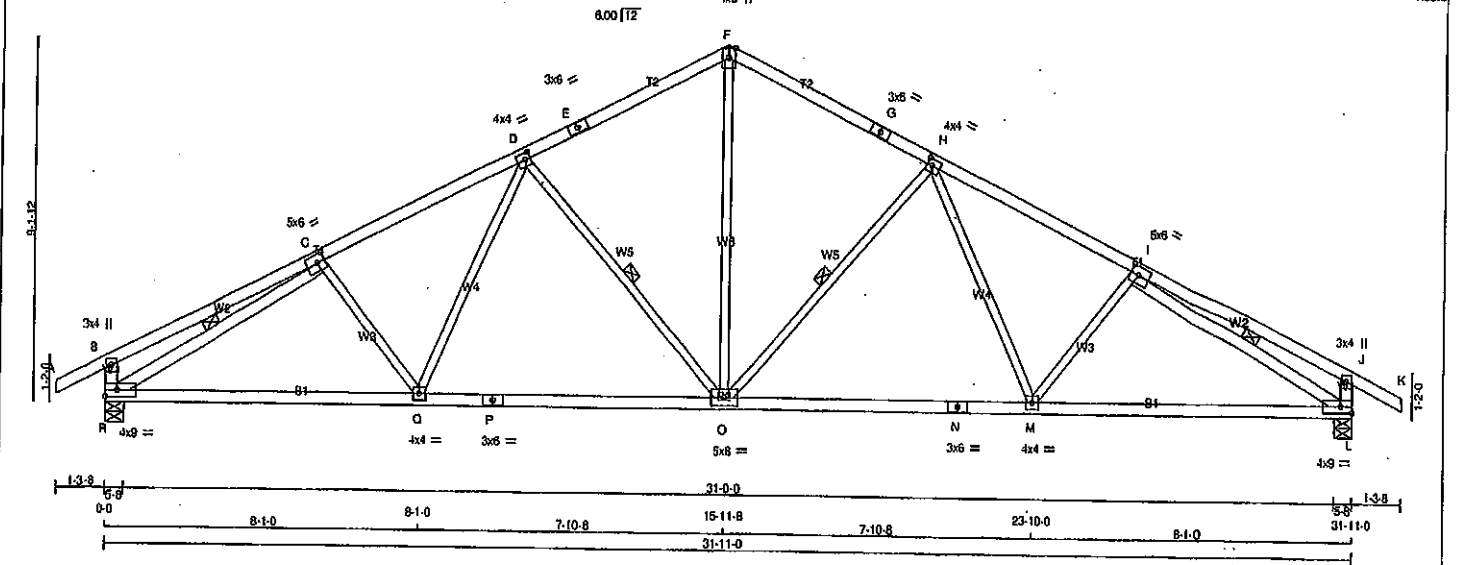


Structural component only
 DWG# T-2006492

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	T26	8	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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21-2-8
53-0
25-5-8
31-11-0
33-2-8
1-3-8
Scale = 1:53.5



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

DRY: SEASONED LUMBER.

PLATES (table in inches)				
JT TYPE	PLATES	W	LEN	Y X
B TMV+p	MT20	3.0	4.0	
C TMWW+1	MT20	5.0	8.0	2.50 2.50
D TMWW+1	MT20	4.0	4.0	2.00 1.50
E TS-1	MT20	3.0	8.0	
F TTW+p	MT20	4.0	8.0	Edge
G TS-1	MT20	3.0	8.0	
H TMWW+1	MT20	4.0	4.0	2.00 1.50
I TMWW+1	MT20	5.0	8.0	2.50 2.50
J TMV+p	MT20	3.0	4.0	
L BMVW+1	MT20	4.0	9.0	Edge
M BMWW+1	MT20	4.0	4.0	
N BS-1	MT20	3.0	8.0	
O BMWW+1	MT20	5.0	8.0	
P BS-1	MT20	3.0	8.0	
Q BMWW+1	MT20	4.0	4.0	
R BMVW+1	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					
	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
R	1884	0	1884	0	0
L	1884	0	1884	0	0

UNFACTORED REACTIONS					
1ST LCASE	MAX./MIN. COMPONENT REACTIONS				
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND
R	1330	888 / 0	0 / 0	0 / 0	0 / 0
L	1330	888 / 0	0 / 0	0 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.11 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING									
TOTAL LOAD CASES: (4)									
CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. FACTORED CSI (LC)	UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM	TO			FR-TO			
A-B	0 / 20	-91.8	-91.8	0.12 (1)	10.00	O-F	0 / 1211	0.27 (1)	
B-C	0 / 20	-91.8	-91.8	0.33 (1)	10.00	O-H	-701 / 0	0.32 (1)	
C-D	-2428 / 0	-91.8	-91.8	0.37 (1)	4.11	H-M	0 / 312	0.07 (1)	
D-E	-1808 / 0	-91.8	-91.8	0.34 (1)	4.85	M-I	-158 / 21	0.05 (1)	
E-F	-1808 / 0	-91.8	-91.8	0.34 (1)	4.85	D-O	-701 / 0	0.32 (1)	
F-G	-1808 / 0	-91.8	-91.8	0.34 (1)	4.85	Q-D	0 / 312	0.07 (1)	
G-H	-1808 / 0	-91.8	-91.8	0.34 (1)	4.85	C-Q	-166 / 21	0.05 (1)	
H-I	-2428 / 0	-91.8	-91.8	0.37 (1)	4.11	R-Q	-2717 / 0	0.55 (1)	
I-J	0 / 20	-91.8	-91.8	0.33 (1)	10.00	I-L	-2717 / 0	0.55 (1)	
J-K	0 / 20	-91.8	-91.8	0.12 (1)	10.00				
R-B	-325 / 0	0.0	0.0	0.03 (1)	7.81				
L-J	-325 / 0	0.0	0.0	0.03 (1)	7.81				
R-Q	0 / 2288	-18.5	-18.5	0.51 (1)	10.00				
Q-P	0 / 2051	-18.5	-18.5	0.48 (1)	10.00				
P-O	0 / 2051	-18.5	-18.5	0.48 (1)	10.00				
O-N	0 / 2051	-18.5	-18.5	0.48 (1)	10.00				
N-M	0 / 2051	-18.5	-18.5	0.48 (1)	10.00				
M-L	0 / 2288	-18.5	-18.5	0.51 (1)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:	
TOP CH. LL	= 25.6 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN./C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBCC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.08")
CALCULATED VERT. DEFL.(LL) = L/999 (0.11")
ALLOWABLE DEFL.(TL) = L/360 (1.08")
CALCULATED VERT. DEFL.(TL) = L/999 (0.24")

CSI: TC=0.37/1.00 (H-I:1), BC=0.51/1.00 (L-M:1), WB=0.55/1.00 (I-L:1), SS=0.20/1.00 (I-J:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

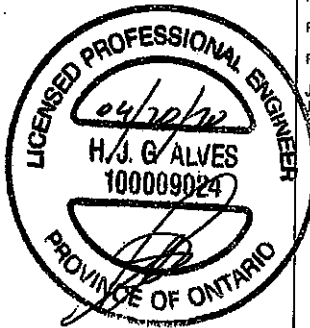
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

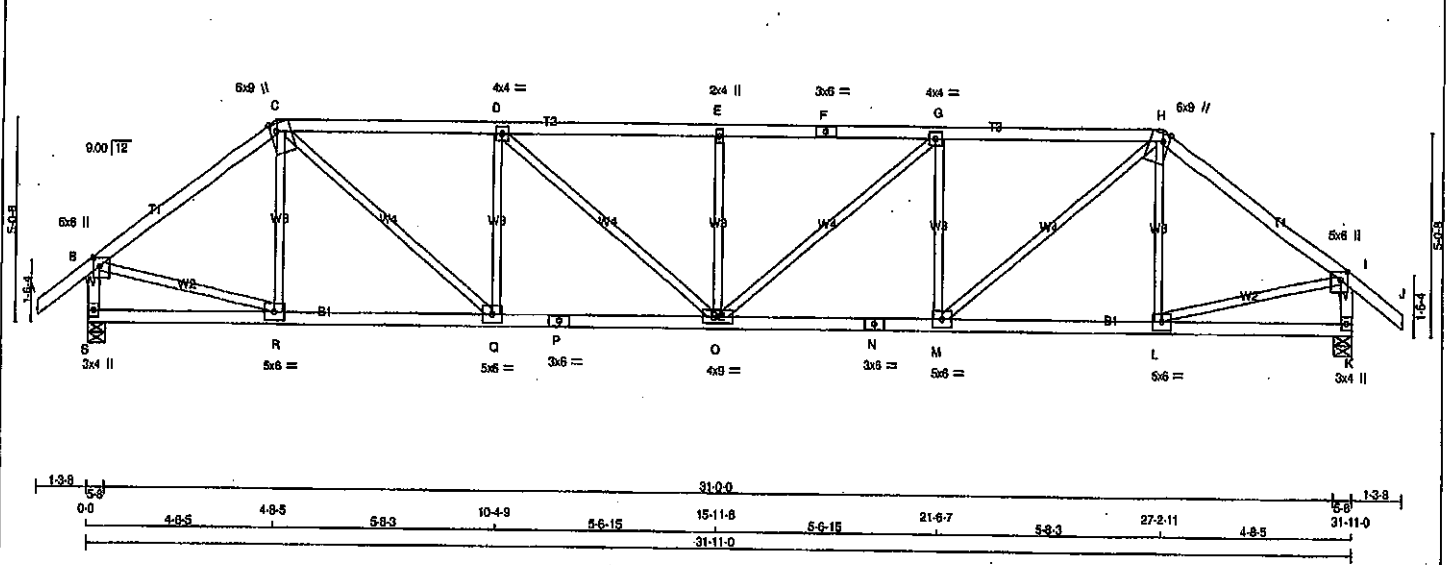
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (i) (INPUT = 0.90)
JSI METAL= 0.67 (i) (INPUT = 1.00)



JOB NAME 408164	TRUSS NAME T27	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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 ID:1ebEM4Ce92xn94Zv7jkFPizmBR3-wnKmOH7nE1vSURx8TBRBPSAJa9BzYmWWHs1cUzMDco
 1-3-8 0-0 4-8-5 4-8-5 8-8-3 10-4-9 5-8-15 15-11-8 5-8-15 21-6-7 5-8-3 27-2-11 4-8-5 31-11-0 33-2-8
 Scale = 1/32



LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - C	2x4	DRY	No.2
O - F	2x4	DRY	No.2
F - H	2x4	DRY	No.2
H - J	2x4	DRY	No.2
S - B	2x4	DRY	No.2
K - I	2x4	DRY	No.2
S - P	2x4	DRY	No.2
P - N	2x4	DRY	No.2
N - K	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
DRY: SEASONED LUMBER.			

PLATES (tablets in inches)				
JT TYPE	PLATES	W	LEN	Y X
B TMVW+p	MT20	5.0	8.0	2.50 2.00
C TTVW+m	MT20	5.0	9.0	Edge 2.00
D TMVW-i	MT20	4.0	4.0	
E TMVW-w	MT20	2.0	4.0	
F TS-i	MT20	3.0	6.0	
G TMVW-i	MT20	4.0	4.0	
H TTVW+m	MT20	6.0	9.0	Edge 2.00
I TMVW+p	MT20	5.0	8.0	2.50 2.00
K BMV1+p	MT20	3.0	4.0	
L, M, Q, R				
L BMVW-i	MT20	5.0	6.0	
N BS-i	MT20	3.0	6.0	
O BMVW-w	MT20	4.0	9.0	
P BS-i	MT20	3.0	6.0	
S BMV1+p	MT20	3.0	4.0	

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	IN-SX
S	1886	0	0	1886	0	0	0	5-8	5-8
K	1886	0	0	1886	0	0	0	5-8	5-8

UNFACTORED REACTIONS		1ST CASE		MAX/MIN COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE	PERM	LIVE
S	1331	887/0	0/0	0/0	0/0
K	1331	887/0	0/0	0/0	0/0

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

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.42 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)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0/38	-91.8	-91.8 0.12 (1)	R-C	-268/0	0.10 (1)	
B-C	-1886/0	-91.8	-91.8 0.45 (1)	C-Q	0/1515	0.34 (1)	
C-D	-2884/0	-91.8	-91.8 0.81 (1)	Q-D	-868/0	0.32 (1)	
D-E	-3002/0	-91.8	-91.8 0.65 (1)	D-O	0/443	0.10 (1)	
E-F	-3002/0	-91.8	-91.8 0.85 (1)	O-E	-472/0	0.18 (1)	
F-G	-2684/0	-91.8	-91.8 0.65 (1)	O-G	0/443	0.10 (1)	
G-H	-2684/0	-91.8	-91.8 0.81 (1)	M-G	-868/0	0.32 (1)	
H-I	-1886/0	-91.8	-91.8 0.45 (1)	M-H	0/1515	0.34 (1)	
I-J	0/38	-91.8	-91.8 0.12 (1)	L-H	-268/0	0.10 (1)	
S-B	-1852/0	0.0	0.0 0.19 (1)	B-R	0/1552	0.35 (1)	
K-I	-1852/0	0.0	0.0 0.19 (1)	L-I	0/1552	0.35 (1)	
S-R	0/0	-18.5	-18.5 0.12 (4)				
R-O	0/1500	-18.5	-18.5 0.31 (1)				
O-P	0/2865	-18.5	-18.5 0.48 (1)				
P-O	0/2865	-18.5	-18.5 0.48 (1)				
O-N	0/2665	-18.5	-18.5 0.48 (1)				
N-M	0/2665	-18.5	-18.5 0.48 (1)				
M-L	0/1500	-18.5	-18.5 0.31 (1)				
L-K	0/0	-18.5	-18.5 0.12 (4)				

TOTAL WEIGHT = 2 X 130 = 261 lb

DESIGN CRITERIA	
SPECIFIED LOADS:	
TOP CH. LL	= 25.6 PSF
DL	= 8.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF
SPACING	= 24.0 IN. CC

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

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

THIS DESIGN COMPLIES WITH:
 - PART 9 OF CBC 2018, OBC 2012, ABC 2019
 - PART 9 OF OBC 2012 (2018 AMENDMENT)
 - CSA 088-09, CSA 086-14
 - TPIC 2011, TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.06")
 CALCULATED VERT. DEFL.(LL) = L/989 (0.16")
 ALLOWABLE DEFL.(TL) = L/360 (1.06")
 CALCULATED VERT. DEFL.(TL) = L/989 (0.28")

CSI: TC=0.65/1.00 (D-E-I), BC=0.48/1.00 (O-Q-I), WB=0.35/1.00 (B-R-I), SSI=0.24/1.00 (C-D-I)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES	
PLATE GRIP(DRY) SHEAR	SECTION
(PSI)	(PLI)
MAX MIN	MAX MIN
MT20	618 354 1667 788 1937 1658

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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

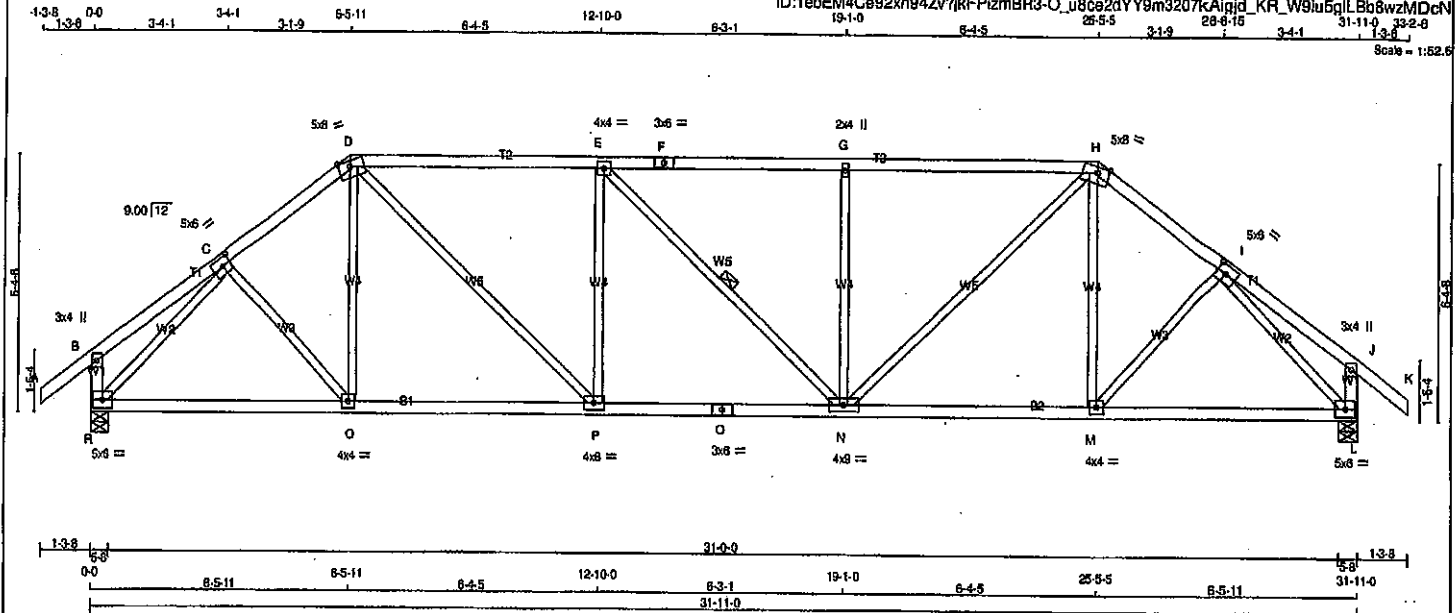


Structural component only
 DWG# T-2007733

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWGNO.
408164	T28	2	1	GREEN PARK HOMES		

Tamrack Roof Truss, Burlington

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ID:1ebEM4Ce92xn94Zv7kFpizmBR3-O_u8ce2dY9m3207kAigjd_KR_W9lu5glLBb8wzMDcN



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

PLATES (table is in inches)				
JT TYPE	PLATES	W	LEN	Y X
B TMV+P	MT20	3.0	4.0	
C TMWW-1	MT20	5.0	6.0	2.50 2.75
D TTWW-m	MT20	5.0	8.0	Edge 3.50
E TMWW-1	MT20	4.0	4.0	
F TS-1	MT20	3.0	6.0	
G TMW+P	MT20	2.0	4.0	
H TTWW-m	MT20	5.0	8.0	Edge 3.50
I TMWW-1	MT20	5.0	6.0	2.50 2.75
J TMV+P	MT20	3.0	4.0	
L BMVW-1	MT20	5.0	6.0	
M BMWW-1	MT20	4.0	4.0	
N BMWW-1	MT20	4.0	9.0	
O BS-1	MT20	3.0	6.0	
P BMWW-1	MT20	4.0	6.0	
Q BMWW-1	MT20	4.0	4.0	
R BMVW-1	MT20	5.0	6.0	

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

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

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
GROSS REACTION	VERY	GROSS REACTION	DOWN	BRG	BRG	IN-SX	IN-SX
JT	1888	0	1888	0	0	5-8	5-8
R	1888	0	1888	0	0	5-8	5-8
L	1888	0	1888	0	0	5-8	5-8

UNFACTORED REACTIONS

1ST LOOSE		MAX. MIN. COMPONENT REACTIONS		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM	LIVE	WIND	DEAD	SOIL	
R	1331	887/0	0/0	0/0	0/0	444/0	444/0	0/0	0/0
L	1331	887/0	0/0	0/0	0/0	444/0	444/0	0/0	0/0

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MAX. FACTORED FORCE (LBS)
FR-TO		FROM TO		FR-TO			
A-B	0/38	-91.8 -91.8 0.12 (1)	10.00	C-Q	0/131	0.03 (4)	
B-C	0/18	-91.8 -91.8 0.13 (1)	10.00	Q-D	0/88	0.03 (4)	
C-D	-1910/0	-91.8 -91.8 0.18 (1)	4.71	D-P	0/1071	0.24 (1)	
D-E	-2288/0	-91.8 -91.8 0.89 (1)	3.78	P-E	-827/0	0.41 (1)	
E-F	-2284/0	-91.8 -91.8 0.88 (1)	3.79	E-N	-2/0	0.00 (1)	
F-G	-2284/0	-91.8 -91.8 0.88 (1)	3.79	N-G	-827/0	0.41 (1)	
G-H	-2284/0	-91.8 -91.8 0.88 (1)	3.80	N-H	0/1089	0.24 (1)	
H-I	-1910/0	-91.8 -91.8 0.18 (1)	4.71	M-H	0/88	0.03 (4)	
I-J	0/18	-91.8 -91.8 0.13 (1)	10.00	M-I	0/131	0.03 (4)	
J-K	0/38	-91.8 -91.8 0.12 (1)	10.00	R-C	-2134/0	0.79 (1)	
R-B	-245/0	0.0 0.0 0.03 (1)	7.81	I-L	-2134/0	0.79 (1)	
L-J	-245/0	0.0 0.0 0.03 (1)	7.81				
R-Q	0/1420	-18.5 -18.5 0.33 (1)	10.00				
Q-P	0/1510	-18.5 -18.5 0.35 (1)	10.00				
P-O	0/2268	-18.5 -18.5 0.43 (1)	10.00				
O-N	0/2288	-18.5 -18.5 0.43 (1)	10.00				
N-M	0/1611	-18.5 -18.5 0.35 (1)	10.00				
M-L	0/1421	-18.5 -18.5 0.33 (1)	10.00				

TOTAL WEIGHT = 2 X 137 = 274 lb

DESIGN CRITERIA

SPECIFIC LOADS:

TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TFC 2011, TFC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/360$ (1.08")
CALCULATED VERT. DEFL. (LL) = $L/899$ (0.10")
ALLOWABLE DEFL. (TL) = $L/360$ (1.08")
CALCULATED VERT. DEFL. (TL) = $L/899$ (0.21")

CSI: TC=0.69/1.00 (D-E-1), SC=0.43/1.00 (N-P-1), WB=0.79/1.00 (I-L-1), SS=0.27/1.00 (D-E-1)

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

COMPANION LIVE LOAD FACTOR = 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 818 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.87 (L) (INPUT = 0.90)
JSI METAL = 0.78 (O) (INPUT = 1.00)



Structural component only
DWG# T-2007734

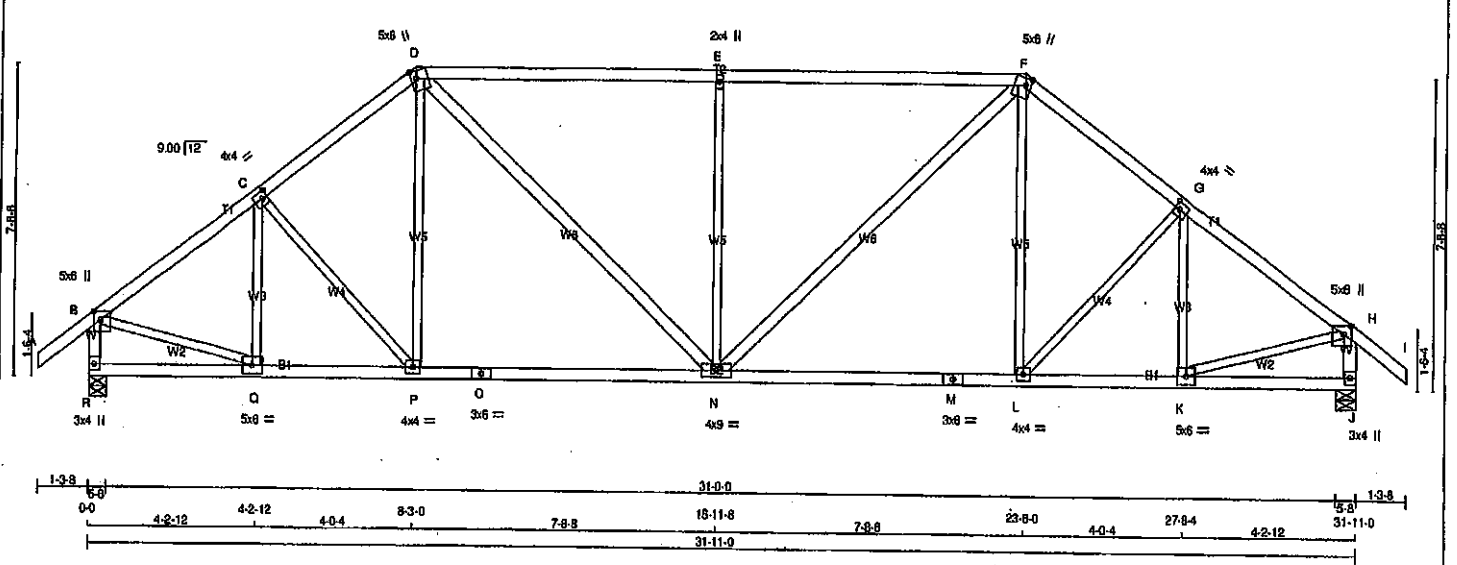
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408164	T29	2	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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Scale = 1:52.5



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	W	LEN	Y	X
JT TYPE				
B TMW+p	MT20	5.0	6.0	2.50 2.00
C TMW+1	MT20	4.0	4.0	2.00 1.50
D TTW+m	MT20	5.0	6.0	2.25 1.50
E TMW+w	MT20	2.0	4.0	
F TTW+m	MT20	5.0	6.0	2.25 1.50
G TMW+1	MT20	4.0	4.0	2.00 1.50
H TMW+p	MT20	5.0	6.0	2.50 2.00
J BMW+1-p	MT20	3.0	4.0	
K BMW+1	MT20	5.0	6.0	
L BMW+1	MT20	4.0	4.0	
M BS-1	MT20	3.0	6.0	
N BMW+1	MT20	4.0	9.0	
O BS-1	MT20	3.0	6.0	
P BMW+1	MT20	4.0	4.0	
Q BMW+1	MT20	5.0	6.0	
R BMW+1-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	UP	IN-SX
R	1886	0	1886	0
J	1886	0	1886	0

UNFACTORED REACTIONS	1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
R	1331	887 / 0
J	1331	887 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.61 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED MEMB. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	WEBS	MAX. FACTORED MEMB. FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO				FR-TO		
A-B	0 / 38	-91.8	10.00	Q-C	-384 / 0	10.00
B-C	-1877 / 0	-91.8	4.69	C-P	-87 / 0	4.69
C-D	-1858 / 0	-91.8	4.71	P-D	0 / 182	4.71
D-E	-1985 / 0	-91.8	3.61	D-N	0 / 736	3.61
E-F	-1985 / 0	-91.8	3.61	N-E	-871 / 0	3.61
F-G	-1858 / 0	-91.8	4.71	N-F	0 / 736	4.71
G-H	-1877 / 0	-91.8	4.69	L-F	0 / 182	4.69
H-I	0 / 38	-91.8	10.00	L-G	-87 / 0	10.00
R-B	-1849 / 0	0.0	6.16	K-G	-384 / 0	6.16
J-H	-1849 / 0	0.0	6.16	B-Q	0 / 1581	6.16
R-Q	0 / 0	-18.5	10.00	K-H	0 / 1581	6.16
O-P	0 / 1522	-18.5	10.00			
P-O	0 / 1465	-18.5	10.00			
O-N	0 / 1465	-18.5	10.00			
N-M	0 / 1465	-18.5	10.00			
M-L	0 / 1465	-18.5	10.00			
L-K	0 / 1522	-18.5	10.00			
K-J	0 / 0	-18.5	10.00			

TOTAL WEIGHT = 2 X 147 = 295 LBS

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 N.C.C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(5% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (1.06")
CALCULATED VERT. DEFL. (LL) = L/989 (0.09")
ALLOWABLE DEFL. (TL) = L/360 (1.06")
CALCULATED VERT. DEFL. (TL) = L/989 (0.17")

CSI: TC=0.82/1.00 (D-E:1), BC=0.38/1.00 (N-P:1), WB=0.98/1.00 (E-N:1), SS=0.34/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES	PLATE GRIP (DRY)	SHEAR (PS)	SECTION (PLI)
MT20	818	354	1687

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (B) (INPUT = 0.80)
JSI METAL= 0.48 (C) (INPUT = 1.00)

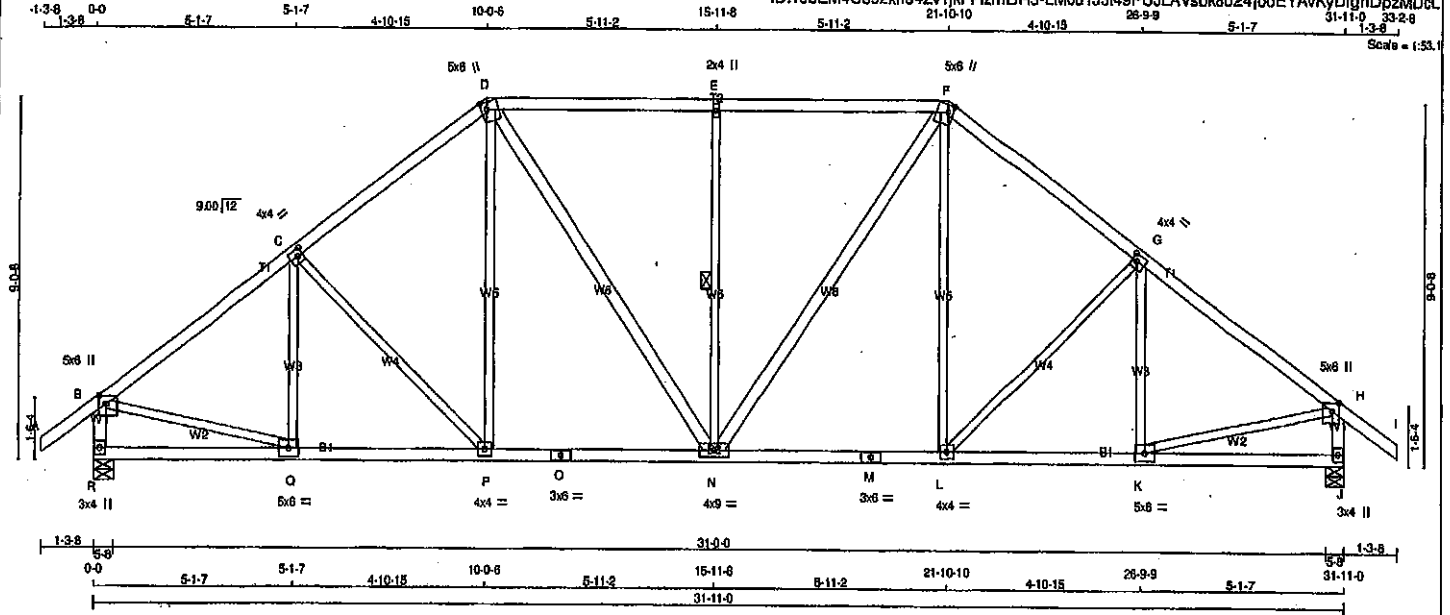


Structural component only
DWG# T-2007735

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408164	T30	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 156 = 311 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	2.50	2.00
C	TMVW-l	MT20	4.0	4.0	2.00	1.50
D	TTWW+m	MT20	5.0	6.0	2.25	1.50
E	TMVW-w	MT20	2.0	4.0		
F	TTWW+m	MT20	5.0	6.0	2.25	1.50
G	TMVW-l	MT20	4.0	4.0	2.00	1.50
H	TMVW-p	MT20	5.0	6.0	2.50	2.00
J	BMV1+p	MT20	3.0	4.0		
K	BMVW-l	MT20	5.0	6.0		
L	BMVW-l	MT20	4.0	4.0		
M	BS-l	MT20	3.0	6.0		
N	BMVWW-l	MT20	4.0	9.0		
O	BS-l	MT20	3.0	6.0		
P	BMVW-l	MT20	4.0	4.0		
Q	BMVW-l	MT20	5.0	6.0		
R	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
GROSS REACTION	GROSS REACTION	BRG	BRG	
JT VERT	DOWN	HORZ	UPLIFT	IN-SX
R	1888	0	1888	0
J	1888	0	1888	0

UNFACTORED REACTIONS							
1ST CASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	1331	887 / 0	0 / 0	0 / 0	0 / 0	444 / 0	0 / 0
J	1331	887 / 0	0 / 0	0 / 0	0 / 0	444 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.52 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING										
TOTAL LOAD CASES: (4)										
CHORDS					WEBS					
MEMB.		MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)		MAX. CSI (LC)	MAX. UNBRACED LENGTH	MEMB.		MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO			FROM	TO			FR-TO			
A-B		0 / 38	-91.8	-91.8	0.12 (1)	10.00	Q-C		-268 / 0	0.11 (1)
B-C		-1923 / 0	-91.8	-91.8	0.38 (1)	4.52	C-P		-249 / 0	0.24 (1)
C-D		-1772 / 0	-91.8	-91.8	0.34 (1)	4.88	P-D		0 / 277	0.06 (1)
D-E		-1656 / 0	-91.8	-91.8	0.48 (1)	4.83	D-N		0 / 489	0.08 (1)
E-F		-1656 / 0	-91.8	-91.8	0.48 (1)	4.83	N-E		-588 / 0	0.35 (1)
F-G		-1772 / 0	-91.8	-91.8	0.34 (1)	4.88	N-F		0 / 469	0.08 (1)
G-H		-1923 / 0	-91.8	-91.8	0.38 (1)	4.52	L-F		0 / 277	0.06 (1)
H-I		0 / 38	-91.8	-91.8	0.12 (1)	10.00	L-G		-249 / 0	0.24 (1)
R-B		-1845 / 0	0.0	0.0	0.19 (1)	6.16	K-G		-288 / 0	0.11 (1)
J-H		-1845 / 0	0.0	0.0	0.19 (1)	6.16	B-Q		0 / 1806	0.36 (1)
							K-H		0 / 1608	0.36 (1)
R-Q		0 / 0	-18.5	-18.5	0.10 (4)	10.00				
Q-P		0 / 1564	-18.5	-18.5	0.31 (1)	10.00				
P-O		0 / 1391	-18.5	-18.5	0.29 (1)	10.00				
O-N		0 / 1391	-18.5	-18.5	0.29 (1)	10.00				
N-M		0 / 1391	-18.5	-18.5	0.29 (1)	10.00				
M-L		0 / 1391	-18.5	-18.5	0.29 (1)	10.00				
L-K		0 / 1564	-18.5	-18.5	0.31 (1)	10.00				
K-J		0 / 0	-18.5	-18.5	0.10 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.08")
CALCULATED VERT. DEFL.(LL) = L/999 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (1.08")
CALCULATED VERT. DEFL.(TL) = L/999 (0.13")

CSK: TC=0.48/1.00 (E-F:1), BC=0.31/1.00 (P-Q:1), WB=0.38/1.00 (B-Q:1), SS=0.28/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 788 1887 1656

PLATE PLACEMENT TOL. = 0.250 inches

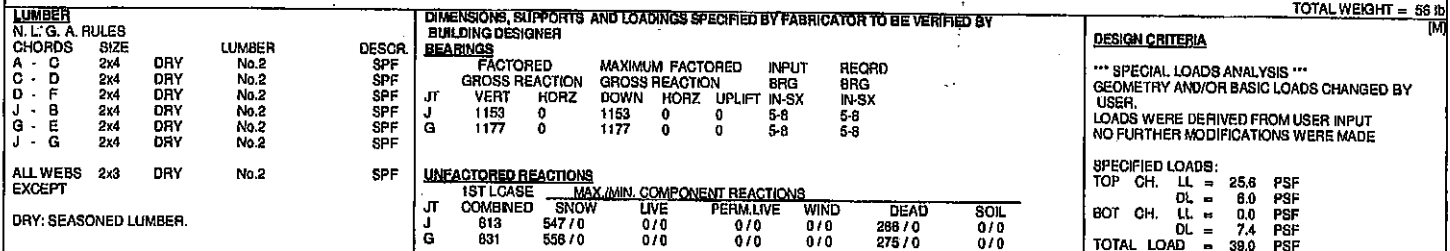
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL= 0.45 (C) (INPUT = 1.00)



Structural component only
DWG# T-2007736

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

BEARINGS

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
JT	VERT HORZ	DOWN HORZ	UPLIFT	IN-SX	IN-SX
J	1153 0	1153 0	0	5-8	5-8
G	1177 0	1177 0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX / MIN SNOW	COMPONENT LIVE	PERM. LIVE	WIND	DEAD	SOIL
J	813	547 / 0	0 / 0	0 / 0	0 / 0	288 / 0	0 / 0
G	831	558 / 0	0 / 0	0 / 0	0 / 0	275 / 0	0 / 0

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

BRACING
TOP CHD

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.63 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)	CGI (LC)	MAX. UNBRAC	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CGI (LC)
FR-TO		FROM	LENGTH	FR-TO			
A-B	0 / 38	-91.8	-91.8 0.14 (1)	10.00	I-C	-99 / 84	0.03 (1)
B-C	-982 / 0	-91.8	-91.8 0.30 (1)	8.91	C-H	0 / 25	0.01 (1)
C-K	-783 / 0	-91.8	-91.8 0.63 (1)	5.83	H-D	-117 / 81	0.04 (1)
K-L	-783 / 0	-91.8	-91.8 0.63 (1)	5.83	B-I	0 / 800	0.20 (1)
L-D	-783 / 0	-91.8	-91.8 0.63 (1)	5.83	H-E	0 / 820	0.20 (1)
D-E	-987 / 0	-91.8	-91.8 0.30 (1)	5.85			
E-F	0 / 38	-91.8	-91.8 0.14 (1)	10.00			
J-B	-1113 / 0	0.0	0.0 0.13 (1)	7.48			
G-E	-1133 / 0	0.0	0.0 0.13 (1)	7.43			
J-M	0 / 0	-18.5	-18.5 0.13 (4)	10.00			
M-N	0 / 0	-18.5	-18.5 0.13 (4)	10.00			
N-I	0 / 0	-18.5	-18.5 0.13 (4)	10.00			
I-O	0 / 786	-18.5	-18.5 0.20 (1)	10.00			
O-P	0 / 786	-18.5	-18.5 0.20 (1)	10.00			
P-H	0 / 786	-18.5	-18.5 0.20 (1)	10.00			
H-Q	0 / 0	-18.5	-18.5 0.13 (4)	10.00			
O-Q	0 / 0	-18.5	-18.5 0.13 (4)	10.00			
R-R	0 / 0	-18.5	-18.5 0.13 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

J	LOC	LC1	MAXC	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	4-0-0	-31	-36	---	FRONT	VERT	DEAD	---	C1
C	4-0-0	-135	-35	---	FRONT	VERT	SNOW	---	C1
D	9-1-0	-31	-35	---	FRONT	VERT	DEAD	---	C1
D	9-1-0	-74	-74	---	BACK	VERT	TOTAL	---	C1
D	9-1-0	-135	-135	---	FRONT	VERT	SNOW	---	C1
H	9-0-12	-13	-13	---	BACK	VERT	TOTAL	---	C1
K	5-0-12	-67	-67	---	BACK	VERT	TOTAL	---	C1
L	7-0-12	-67	-67	---	BACK	VERT	TOTAL	---	C1
M	1-0-12	-13	-13	---	BACK	VERT	TOTAL	---	C1
N	3-0-12	-13	-13	---	BACK	VERT	TOTAL	---	C1
O	5-0-12	-13	-13	---	BACK	VERT	TOTAL	---	C1
P	7-0-12	-13	-13	---	BACK	VERT	TOTAL	---	C1
Q	11-0-12	-13	-13	---	BACK	VERT	TOTAL	---	C1
R	12-0-4	-13	-13	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP	CH.	LL	=	25.8	PSF
		DL	=	8.0	PSF
BOT	CH.	LL	=	0.0	PSF
		DL	=	7.4	PSF
TOTAL LOAD				=	39.0 PSF

SPACING = 24.0 IN C/C

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

***** NON STANDARD GIRDER *****

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.44")
 CALCULATED VERT. DEFL.(LL) = $L/999$ (0.01")
 ALLOWABLE DEFL.(TL) = $L/360$ (0.44")
 CALCULATED VERT. DEFL.(TL) = $L/999$ (0.03")

CSI=TC=0.63/1.00 (C-D:1), BC=0.20/1.00 (H-I:1),
WB=0.20/1.00 (E-H:1), SSI=0.27/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

Received 1 July 2011; accepted 11 November 2011; first published online 12 December 2011

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

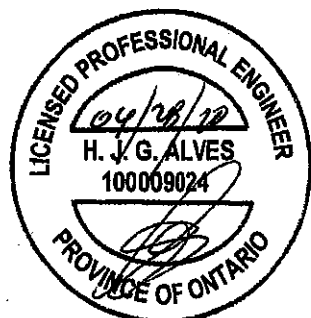
NAIL VALUES

PLATE	GRIP(DRY)		SHEAR		SECTION	
	(PSI)		(PLI)		(PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1667	788	1987	1855

PLATE PLACEMENT TOL. = 0.250 inches

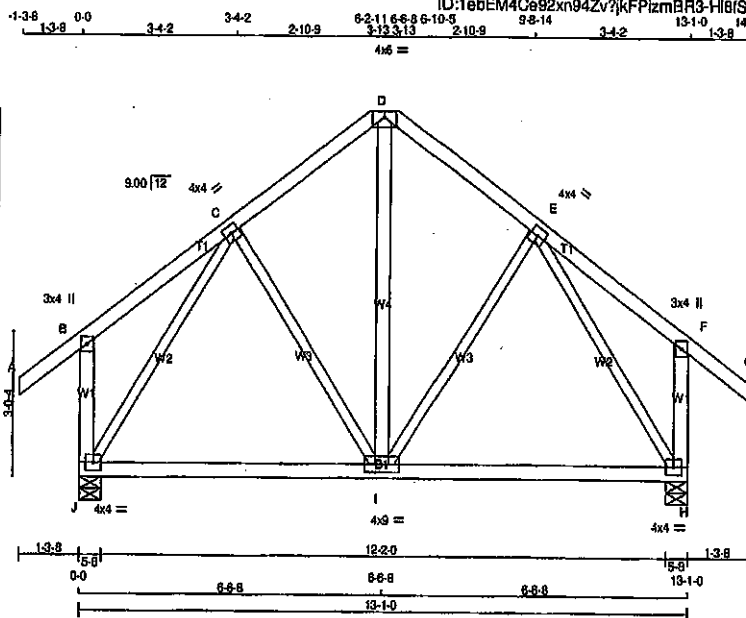
PLATE ROTATION TOL. = 5.0 Deg

JSI GRIP= 0.83 (E) (INPUT = 0.90)
JSI METAL= 0.52 (E) (INPUT = 1.00)



Structural component only
DWG# T-2007737

JOB NAME 408164	TRUSS NAME T32	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



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

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

ALL WEBS	2x3	DRY	No.2
EXCEPT			
I - D	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (tablets in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMV+p	MT20	3.0	4.0	
C	TMVW+1	MT20	4.0	4.0	
D	TMVW+m	MT20	4.0	8.0	Edge
E	TMVW+1	MT20	4.0	4.0	
F	TMV+p	MT20	3.0	4.0	
H	BMVW+1	MT20	4.0	4.0	
I	BMVW+1	MT20	4.0	9.0	
J	BMVW+1	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	MAXIMUM FACTORED	INPUT	RECORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	UPLIFT
J	848	0	848	0
H	848	0	848	0

UNFACTORED REACTIONS

	1ST CASE	MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOL
J	597	405/0	0/0	0/0	0/0	192/0	0/0
H	597	405/0	0/0	0/0	0/0	192/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED	FACTORED		MEMB.	MAX. FACTORED	FACTORED	
	FORCE	VERT. LOAD	MAX		FORCE	MAX	
	(LBS)	(PLF)	CSI (LC)		(LBS)	CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0/38	-91.8 -91.8 0.12 (1)	10.00	I-D	0/253	0.04 (1)	
B-C	0/21	-91.8 -91.8 0.16 (1)	10.00	C-I	-61/19	0.04 (1)	
C-D	-424/0	-91.8 -91.8 0.12 (1)	6.25	I-E	-61/19	0.04 (1)	
D-E	-424/0	-91.8 -91.8 0.12 (1)	6.25	J-C	-663/0	0.41 (1)	
E-F	0/21	-91.8 -91.8 0.16 (1)	10.00	E-H	-663/0	0.41 (1)	
F-G	0/38	-91.8 -91.8 0.12 (1)	10.00				
J-B	-242/0	0.0 0.0 0.04 (1)	7.81				
H-F	-242/0	0.0 0.0 0.04 (1)	7.81				
J-I	0/356	-18.5 -18.5 0.28 (4)	10.00				
I-H	0/356	-18.5 -18.5 0.28 (4)	10.00				

TOTAL WEIGHT = 70 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.44")
CALCULATED VERT. DEFL.(LL) = L/899 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.44")
CALCULATED VERT. DEFL.(TL) = L/899 (0.04")

CSI: TO=0.16/1.00 (E-F), BC=0.26/1.00 (H-I),
WB=0.41/1.00 (C-J), SS=0.12/1.00 (D-E)

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) (PL) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1686

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.77 (C) (INPUT = 0.90)
JSI METAL = 0.23 (C) (INPUT = 1.00)



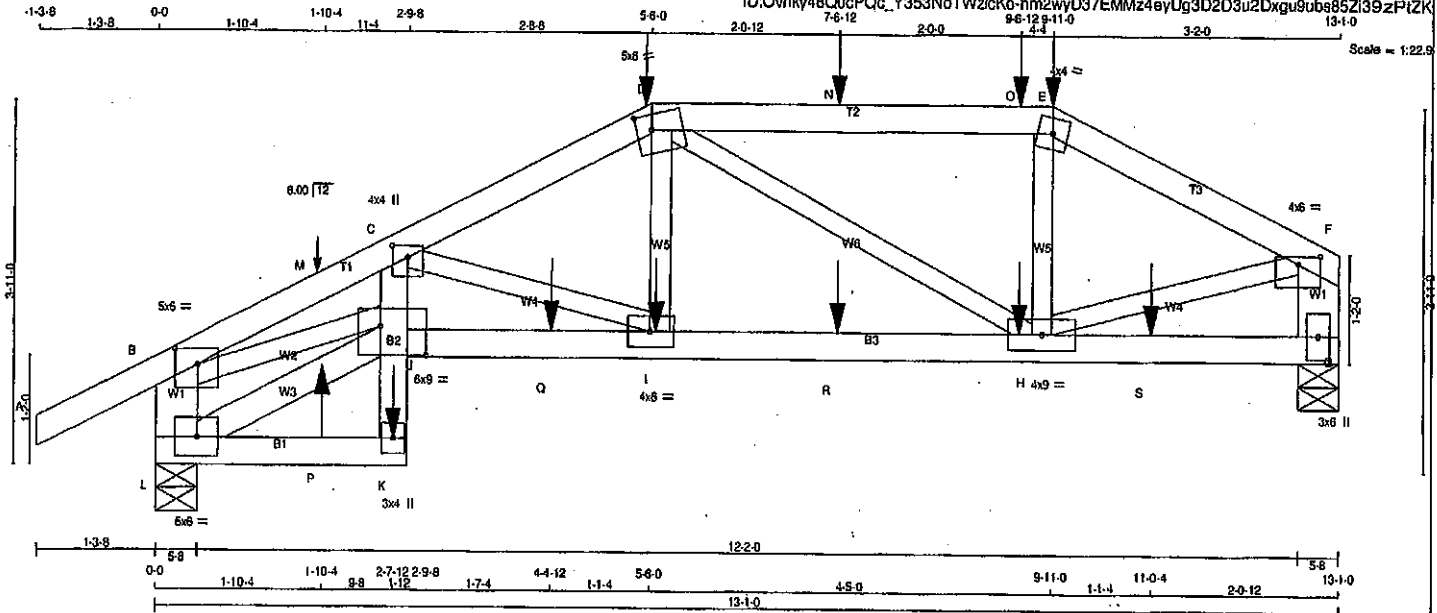
Structural component only
DWG# T-2007738

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	T33S	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:Ovhky48Q0cPQc_Y353NoTWzlcKo-hm2wyD37EMMz4eyUg3D2D3u2Dxgu8ub85Zi39zPzK



TOTAL WEIGHT = 54 lb [M]

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

DRY: SEASONED LUMBER.

PLATES (tablets in inches)							
JT	TYPE	PLATES	W	LEN	Y	X	
B	TMVW-p	MT20	5.0	6.0	2.00	3.00	
C	TMVW+p	MT20	4.0	4.0	1.50	2.00	
D	TTWW-m	MT20	5.0	6.0	2.00	2.00	
E	TTW-m	MT20	4.0	4.0			
F	TMVW-p	MT20	4.0	6.0	1.00	3.00	
G	BMV1+p	MT20	3.0	6.0			
H	BMVWV-1	MT20	4.0	9.0			
I	BMVW-1	MT20	4.0	6.0			
J	BMVWV-1	MT20	6.0	9.0	3.75	6.00	
K	BMV+p	MT20	3.0	4.0			
L	BMVW1-1	MT20	5.0	6.0			

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT	REQRD
JT	GROSS REACTION	GROSS REACTION		BRG		BRG	
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	1008	0	1008	0	0	5-8	5-8
L	1158	0	1158	0	0	5-8	5-8

UNFACTORED REACTIONS		1ST LCASE		MAX/MIN COMPONENT REACTIONS			
JT	COMBINED	SNOW	LIVE	PERM/LIVE	WIND	DEAD	SOIL
G	711	480 / 0	0 / 0	0 / 0	0 / 0	231 / 0	0 / 0
L	814	560 / 0	0 / 0	0 / 0	0 / 0	254 / 0	0 / 0

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

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

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

LOADING

TOTAL LOAD CASES: (7)

CHORDS				WEBS			
MAX. FACTORED		FACTORED		MAX. FACTORED		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM	TO		FR-TO		
A-B	0 / 28	-81.8	-81.8 0.13 (1)	10.00	C-I	-839 / 0	0.20 (1)
B-M	-2420 / 0	-81.8	-81.8 0.21 (1)	4.21	I-D	0 / 386	0.10 (1)
M-C	-2420 / 0	-81.8	-81.8 0.21 (1)	4.21	D-H	-389 / 0	0.16 (1)
C-D	-1595 / 0	-81.8	-81.8 0.18 (1)	5.02	H-E	0 / 77	0.03 (4)
D-N	-1108 / 0	-81.8	-81.8 0.41 (1)	5.41	H-F	0 / 1141	0.28 (1)
N-O	-1108 / 0	-81.8	-81.8 0.41 (1)	5.41	L-J	-143 / 0	0.02 (1)
O-E	-1108 / 0	-81.8	-81.8 0.41 (1)	5.41	B-J	0 / 2178	0.54 (1)
E-F	-1238 / 0	-81.8	-81.8 0.20 (1)	5.51			
L-B	-1077 / 0	0.0	0.0 0.08 (1)	7.81			
G-F	-982 / 0	0.0	0.0 0.07 (1)	7.81			
L-P	0 / 131	-18.5	-18.5 0.05 (4)	10.00			
P-K	0 / 131	-18.5	-18.5 0.05 (4)	10.00			
K-J	0 / 203	0.0	0.0 0.27 (1)	10.00			
J-C	0 / 422	0.0	0.0 0.30 (1)	10.00			
J-Q	0 / 2314	-18.5	-18.5 0.43 (1)	10.00			
Q-I	0 / 2314	-18.5	-18.5 0.43 (1)	10.00			
I-R	0 / 1442	-18.5	-18.5 0.30 (1)	10.00			
R-H	0 / 1442	-18.5	-18.5 0.30 (1)	10.00			
H-S	0 / 0	-18.5	-18.5 0.07 (4)	10.00			
S-G	0 / 0	-18.5	-18.5 0.07 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
D	5-8-0	-178	-178	---	FRONT	VERT	TOTAL	---	C1
E	9-11-0	-154	-154	---	FRONT	VERT	TOTAL	---	C1
H	9-8-12	-7	-7	---	FRONT	VERT	TOTAL	---	C1
I	5-8-12	-7	-7	---	FRONT	VERT	TOTAL	---	C1
K	2-7-12	-184	-184	---	FRONT	VERT	TOTAL	---	C1
M	1-10-4	1	1	104	FRONT	VERT	TOTAL	---	C1
N	7-8-12	-17	-17	---	FRONT	VERT	TOTAL	---	C1
O	9-8-12	-47	-47	---	FRONT	VERT	TOTAL	---	C1
P	1-10-4	7	7	12	FRONT	VERT	TOTAL	---	C1
Q	4-4-12	-3	-3	---	FRONT	VERT	TOTAL	---	C1
R	7-8-12	-7	-7	---	FRONT	VERT	TOTAL	---	C1
S	11-0-4	-3	-3	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.44")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.44")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TC=0.41/1.00 (D-E:1), BC=0.43/1.00 (I-J:1),
WB=0.54/1.00 (B-J:1), SS=0.22/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

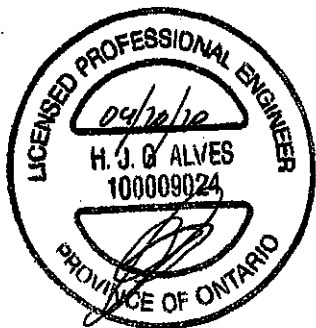
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PU)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (J) (INPUT = 0.90)
JSI METAL= 0.49 (B) (INPUT = 1.00)

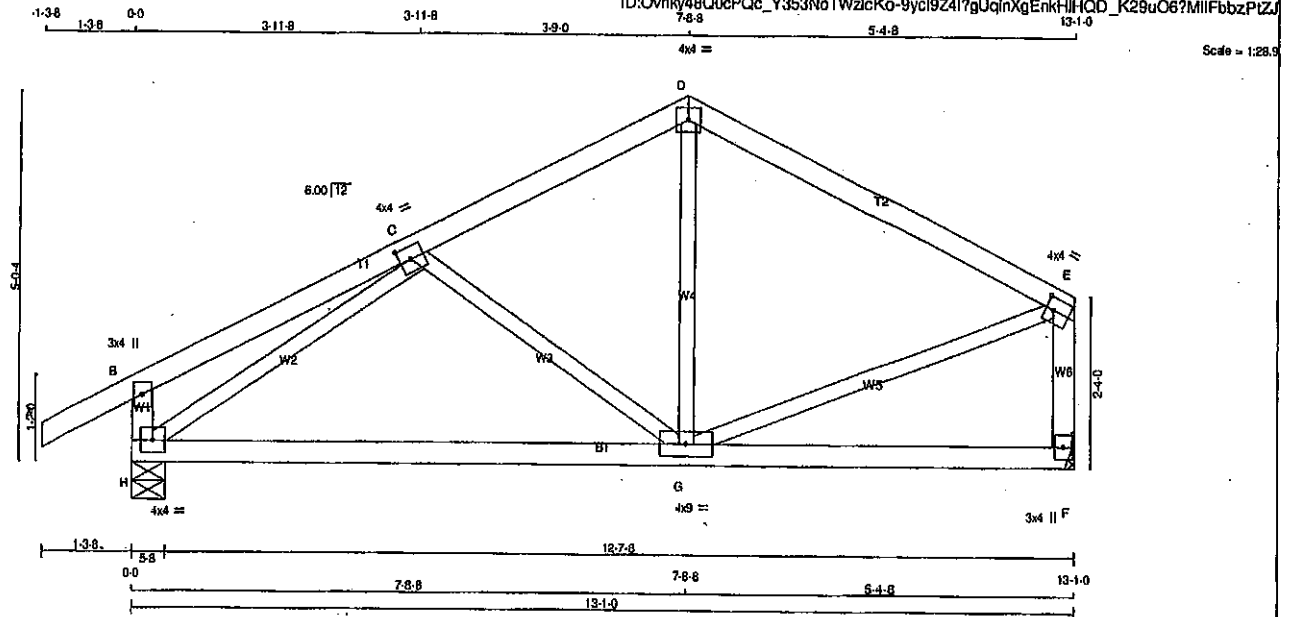
Structural component only
DWG# T-2006495



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	T34	4	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 4 X 52 = 207 lb (M/F)

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMV-p	MT20	3.0	4.0		
C	TMVW-I	MT20	4.0	4.0	2.00	1.75
D	TTW-p	MT20	4.0	4.0		
E	TMVW-I	MT20	4.0	4.0	2.00	1.25
F	BMV1-p	MT20	3.0	4.0		
G	BMVWW-I	MT20	4.0	9.0		
H	BMVW-I	MT20	4.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
GROSS REACTION	GROSS REACTION	BRG	BRG	
JT VERT	HORZ	DOWN	HORZ	UPLIFT
F	721	0	721	0
H	846	0	846	0

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

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	510	335 / 0	0 / 0	0 / 0	0 / 0	175 / 0	0 / 0
H	596	404 / 0	0 / 0	0 / 0	0 / 0	192 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 (PLF)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	FR-TO	
A-B	0 / 28	-91.8	-91.8	0.12 (1)
B-C	0 / 18	-91.8	-91.8	0.21 (1)
C-D	-594 / 0	-91.8	-91.8	0.17 (1)
D-E	-568 / 0	-91.8	-91.8	0.34 (1)
H-B	-282 / 0	0.0	0.0	0.03 (1)
F-E	-690 / 0	0.0	0.0	0.09 (1)
H-G	0 / 728	-18.5	-18.5	0.30 (4)
G-F	0 / 0	-18.5	-18.5	0.25 (4)

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN./C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBCC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55% OF 21.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.44")
CALCULATED VERT. DEFL. (LL) = L/999 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.44")
CALCULATED VERT. DEFL. (TL) = L/999 (0.10")

CSI: TC=0.34/1.00 (D-E:1), BC=0.30/1.00 (G-H:4),
WB=0.33/1.00 (C-H:1), SS=0.17/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

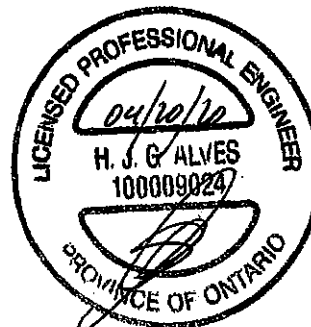
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (FLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.86 (E) (INPUT = 0.80)
JSI METAL=0.28 (C) (INPUT = 1.00)

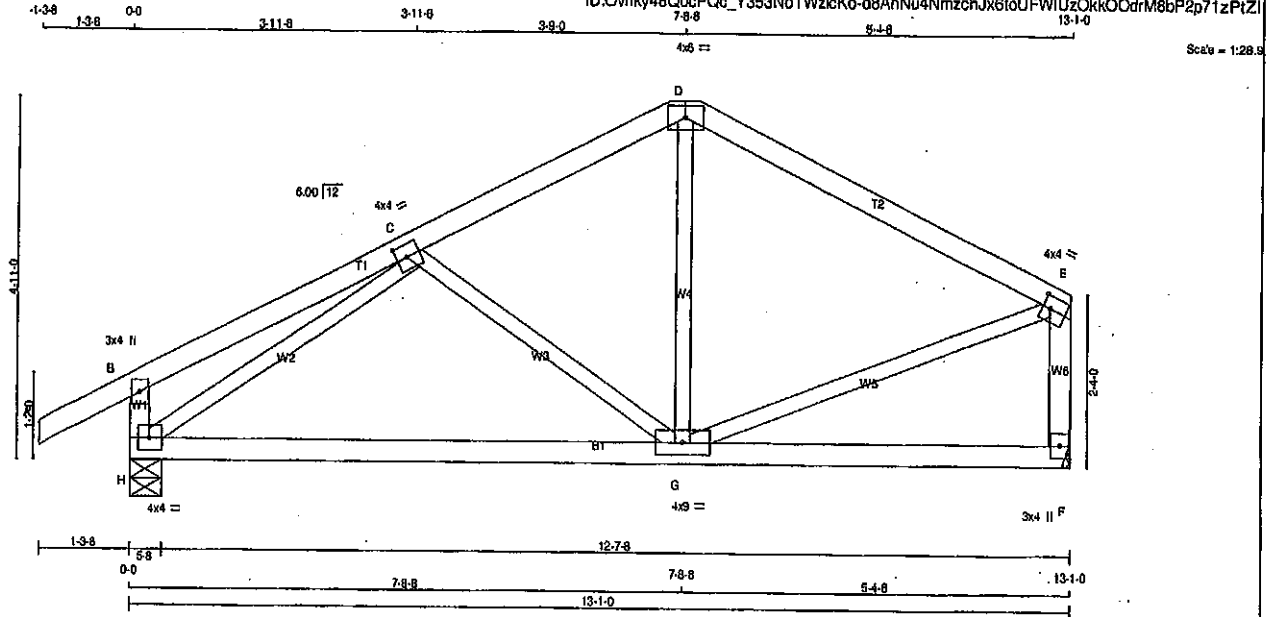


Structural component only
DWG# T-2006498

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	T34CP	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:28.8

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

PLATES (table in inches)	JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0			
C	TMVW-1	MT20	4.0	4.0	2.00	1.75	
D	TTW-p	MT20	4.0	6.0			
E	TMVW-1	MT20	4.0	4.0	2.00	1.25	
F	BMV1+p	MT20	3.0	4.0			
G	BMVWW-1	MT20	4.0	9.0			
H	BMVW1-1	MT20	4.0	4.0			

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REORD BRG
JT	VERT	HORZ	DOWN	HORZ
F	721	0	721	0
H	846	0	846	0

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

UNFACTORED REACTIONS	1ST CASE	MAX/MIN COMPONENT REACTIONS
JT	COMBINED	SNOW
F	510	395 / 0
H	596	404 / 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	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX (LC)	MAX. UNBRACED LENGTH FR-TO	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH FR-TO
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	C-G	-275 / 0	0.10 (1)	
B-C	0 / 18	-91.8	-91.8	0.21 (1)	10.00	G-D	0 / 124	0.04 (4)	
C-D	-584 / 0	-91.8	-91.8	0.17 (1)	6.25	H-C	-898 / 0	0.33 (1)	
D-E	-589 / 0	-91.8	-91.8	0.34 (1)	6.25	G-E	0 / 541	0.12 (1)	
H-B	-282 / 0	0.0	0.0	0.03 (1)	7.81				
F-E	-680 / 0	0.0	0.0	0.09 (1)	7.81				
H-G	0 / 728	-18.5	-18.5	0.30 (4)	10.00				
G-F	0 / 0	-18.5	-18.5	0.25 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 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, ABC 2019
PART 9 OF OBC 2012 (2019 AMENDMENT)
CSA 086-09, CSA 086-14
TPIC 2011, TPIC 2014

(56 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.44")
CALCULATED VERT. DEFL. (LL) = L/999 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.44")
CALCULATED VERT. DEFL. (TL) = L/999 (0.10")

CSF: TC=0.34/1.00 (D-E:1), BC=0.30/1.00 (G-H:4), WB=0.33/1.00 (C-H:1), SS=0.17/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

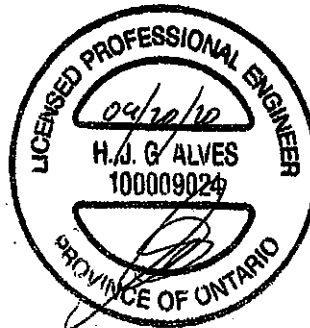
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.86 (E) (INPUT = 0.90)
JSI METAL = 0.28 (C) (INPUT = 1.00)

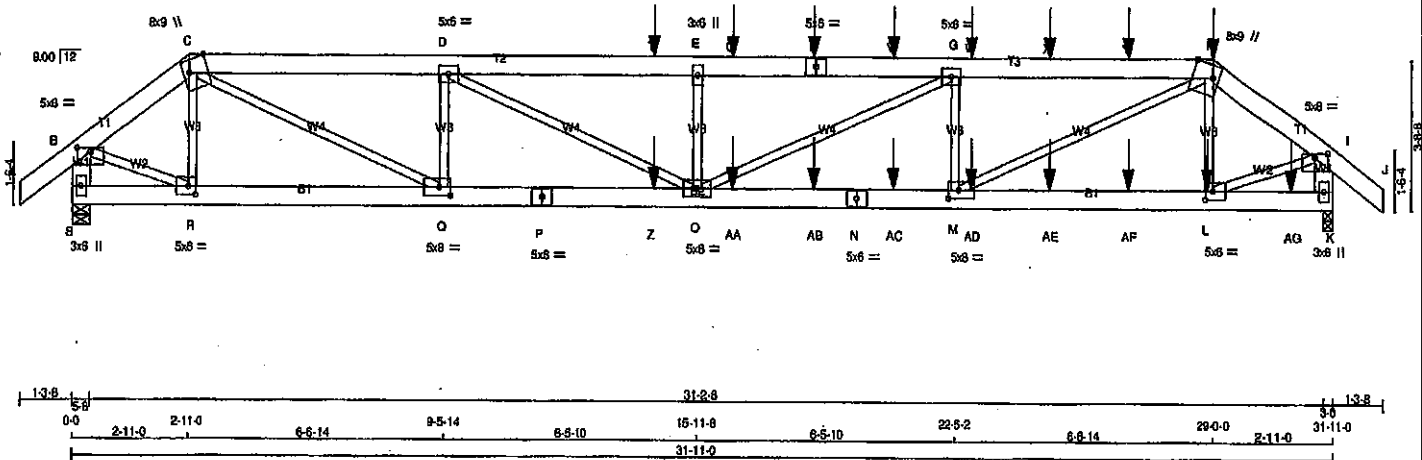
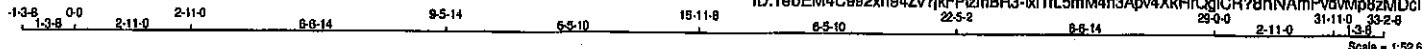


Structural component only
DWG# T-2006497

JOB NAME 408164	TRUSS NAME T300	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
TRUSS DESC.					

Tamarack Roof Truss, Burlington

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ID:1ebEM4Ca82xn94Zv7jkFPizmBR3-ki1fL5mM4n3Apv4XkHrCgICR78hNAmPvdwMp8zMdC1



TOTAL WEIGHT = 165 lb

LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	DRY	LUMBER
A - C	2x6	DRY	No.2
C - F	2x6	DRY	No.2
F - H	2x6	DRY	No.2
H - J	2x6	DRY	No.2
J - L	2x6	DRY	No.2
L - N	2x6	DRY	No.2
N - K	2x6	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			

DRY: SEASONED LUMBER.

PLATES (Table in inches)					
JT	TYPE	PLATES	W	LEN	Y X
S	TMVW-p	MT20	5.0	8.0	1.25 4.00
C	TTWW+m	MT20	8.0	9.0	Edge 6.25
D	TMVW-l	MT20	5.0	8.0	
E	TMVW-w	MT20	3.0	6.0	
F	T3-I	MT20	5.0	6.0	
G	TMVW-l	MT20	5.0	6.0	
H	TTWW+m	MT20	8.0	9.0	Edge 6.25
I	TMVW-p	MT20	6.0	8.0	1.25 4.00
K	BMVW-l	MT20	3.0	6.0	
L	BMVW-l	MT20	5.0	8.0	2.50 2.25
M	BMVW-l	MT20	5.0	8.0	2.50 3.25
N	BS-I	MT20	5.0	6.0	
O	BMVW-l	MT20	5.0	6.0	
P	BS-I	MT20	5.0	6.0	
Q	BMVW-l	MT20	5.0	8.0	2.50 3.25
R	BMVW-l	MT20	5.0	8.0	2.50 2.25
S	BMVW-l	MT20	3.0	6.0	

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

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

BEARINGS						
	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG		
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX
S	2105	0	2105	0	0	5-8
K	2456	0	2456	0	0	3-0

UNFACTORED REACTIONS

1ST LCASE MAX/MIN COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
S	1468	990/0	0/0	0/0	0/0	498/0
K	1734	1153/0	0/0	0/0	0/0	581/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.22 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	
FR-TO				FR-TO			
A-B	0/39	-91.8	0.07 (1)	R-C	-412/0	0.09 (1)	
B-C	-2129/0	-91.8	0.10 (1)	C-Q	0/2944	0.73 (1)	
C-D	-4326/0	-91.8	0.42 (1)	Q-D	-1203/0	0.25 (1)	
D-T	-5422/0	-91.8	0.50 (1)	D-O	0/1227	0.30 (1)	
T-E	-5422/0	-91.8	0.50 (1)	O-E	-717/0	0.15 (1)	
E-U	-5422/0	-91.8	0.61 (1)	U-G	0/730	0.18 (1)	
U-F	-5422/0	-91.8	0.61 (1)	F-G	-1225/0	0.28 (1)	
F-V	-5422/0	-91.8	0.61 (1)	V-H	0/3087	0.76 (1)	
V-G	-5422/0	-91.8	0.61 (1)	G-H	-477/0	0.10 (1)	
G-W	-4789/0	-91.8	0.55 (1)	H-R	0/1786	0.44 (1)	
W-X	-4789/0	-91.8	0.55 (1)	R-I	0/2122	0.53 (1)	
X-Y	-4789/0	-91.8	0.55 (1)				
Y-H	-4789/0	-91.8	0.55 (1)				
H-I	-2528/0	-91.8	0.11 (1)				
I-J	0/39	-91.8	0.07 (1)				
S-B	-2117/0	0.0	0.15 (1)				
K-I	-2465/0	0.0	0.18 (1)				

FACTORED CONCENTRATED LOADS (LBS)			
JT	LOC	LC1	MAX
F	18-10-4	-87	-87
H	28-0-0	-19	-21
H	28-0-0	-73	-73
H	28-0-0	-98	-98
L	28-10-4	-13	-13
T	14-10-4	-87	-87

JT	LOC	LC1	MAX	FACE	DIR.	TYPE	HEEL	CONN.
F	18-10-4	-87	-87	FRONT	VERT	TOTAL	-	C1
H	28-0-0	-19	-21	FRONT	VERT	DEAD	-	C1
H	28-0-0	-73	-73	FRONT	VERT	TOTAL	-	C1
H	28-0-0	-98	-98	FRONT	VERT	SNOW	-	C1
L	28-10-4	-13	-13	FRONT	VERT	TOTAL	-	C1
T	14-10-4	-87	-87	FRONT	VERT	TOTAL	-	C1

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. CC

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

*** NON STANDARD GIRDER ***
ADDTL USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2010, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 5.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.08")
CALCULATED VERT. DEFL.(LL) = L/999 (0.28")
ALLOWABLE DEFL.(TL) = L/360 (1.08")
CALCULATED VERT. DEFL.(TL) = L/784 (0.49")

CSI: TC=0.61/1.00 (E-G:1), BC=0.73/1.00 (M-O:1), WB=0.78/1.00 (H-M:1), SSI=0.33/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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 (PL)
MT20	618	354	1667
			788
			1987
			1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.89 (Q) (INPUT = 0.90)
JSI METAL = 0.94 (N) (INPUT = 1.00)

CONTINUED ON PAGE 2



Structural component only
DWG# T-2007739

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408164	T300	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.310 S Oct 28 2019 Mitek Industries, Inc. Tue Apr 28 10:55:39 2020 Page 2
ID:1ebEM4Ce92xn94Zv7ikFPizmBR3-kijIL5mM4n3Apv4XkHrQqCR78hNAmpdyMp8zMDcl

FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
U	18-10-4	-87	-87	---	FRONT	VERT	TOTAL	---	C1
V	20-10-4	-87	-87	---	FRONT	VERT	TOTAL	---	C1
W	22-10-4	-87	-87	---	FRONT	VERT	TOTAL	---	C1
X	24-10-4	-87	-87	---	FRONT	VERT	TOTAL	---	C1
Y	26-10-4	-87	-87	---	FRONT	VERT	TOTAL	---	C1
Z	14-10-4	-13	-13	---	FRONT	VERT	TOTAL	---	C1
AA	16-10-4	-13	-13	---	FRONT	VERT	TOTAL	---	C1
AB	18-10-4	-13	-13	---	FRONT	VERT	TOTAL	---	C1
AC	20-10-4	-13	-13	---	FRONT	VERT	TOTAL	---	C1
AD	22-10-4	-13	-13	---	FRONT	VERT	TOTAL	---	C1
AE	24-10-4	-13	-13	---	FRONT	VERT	TOTAL	---	C1
AF	26-10-4	-13	-13	---	FRONT	VERT	TOTAL	---	C1
AG	30-10-4	-13	-13	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

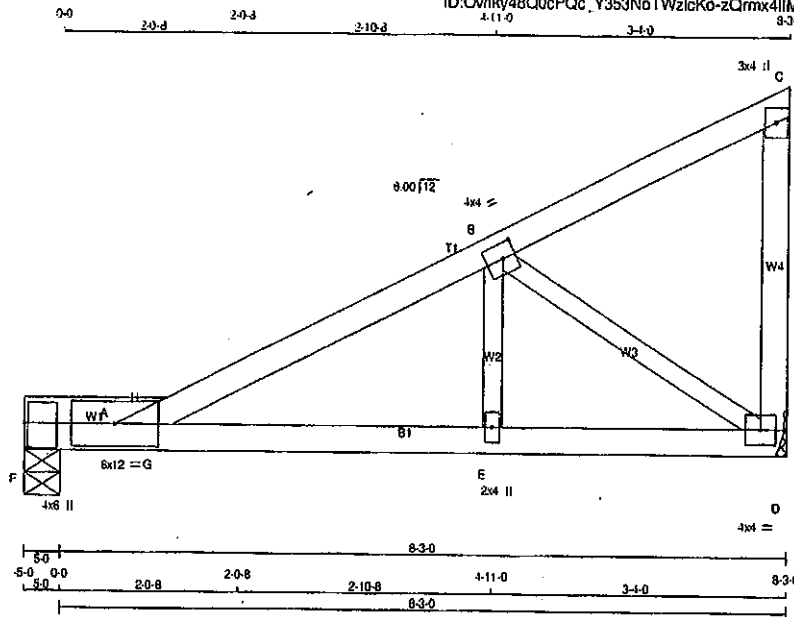


Structural component only
DWG# T-2007739 72

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC	TRUSS DESC.	DRWG NO.
408165	T320	4	1	GREEN PARK HOMES		

Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Mon May 11 09:05:34 2020 Page 1
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Scale = 1/23

LUMBER			
N. L. G. A. RULES	SIZE	DRY	LUMBER
A - C	2x4	DRY	No.2
D - C	2x4	DRY	No.2
F - D	2x4	DRY	No.2
F - A	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
DRY: SEASONED LUMBER.			

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
A	TBMW+m	MT20	6.0	12.0	
B	TMWW-t	MT20	4.0	4.0	2.00 1.75
C	TMV-p	MT20	3.0	4.0	
D	BMVW1-t	MT20	4.0	4.0	
E	BMW+w	MT20	2.0	4.0	
F	BMW1+m	MT20	4.0	6.0	3.25 0.50

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	BRG	IN-SX
D	478	0	478	0	0	0	5-0	5-0	
F	478	0	478	0	0	0	5-0	5-0	

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
D	338	222 0	0 0	0 0	0 0	116 0	0 0	0 0
F	338	222 0	0 0	0 0	0 0	116 0	0 0	0 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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				WEBS			
MEMB.	FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)	MAX. FACTORED FORCE (LBS)
FR-TO		FROM TO		FR-TO			
A-H	-831 0	-91.8 -91.8 0.21 (1)	6.25	E-B	0 195	0.04 (1)	
H-B	-627 0	-91.8 -91.8 0.29 (1)	8.25	B-D	-715 0	0.18 (1)	
B-C	-27 0	-91.8 -91.8 0.21 (1)	8.25	G-H	0 281	0.00 (1)	
D-C	-93 0	0.0 0.0 0.02 (1)	7.81				
F-A	0 0	-110.3 -110.3 0.25 (1)	10.00				
A-G	0 602	-18.5 -18.5 0.69 (1)	10.00				
G-E	0 602	-18.5 -18.5 0.47 (1)	10.00				
E-D	0 602	-18.5 -18.5 0.23 (1)	10.00				

TOTAL WEIGHT = 4 X 30 = 119 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBCC 2010, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.29")
CALCULATED VERT. DEFL. (LL) = L/989 (0.08")
ALLOWABLE DEFL. (TL) = L/360 (0.29")
CALCULATED VERT. DEFL. (TL) = L/708 (0.15")

CSI: TC=0.29/1.00 (B-H:1), SC=0.69/1.00 (A-G:1), WB=0.18/1.00 (B-D:1), SI=0.30/1.00 (A-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1558

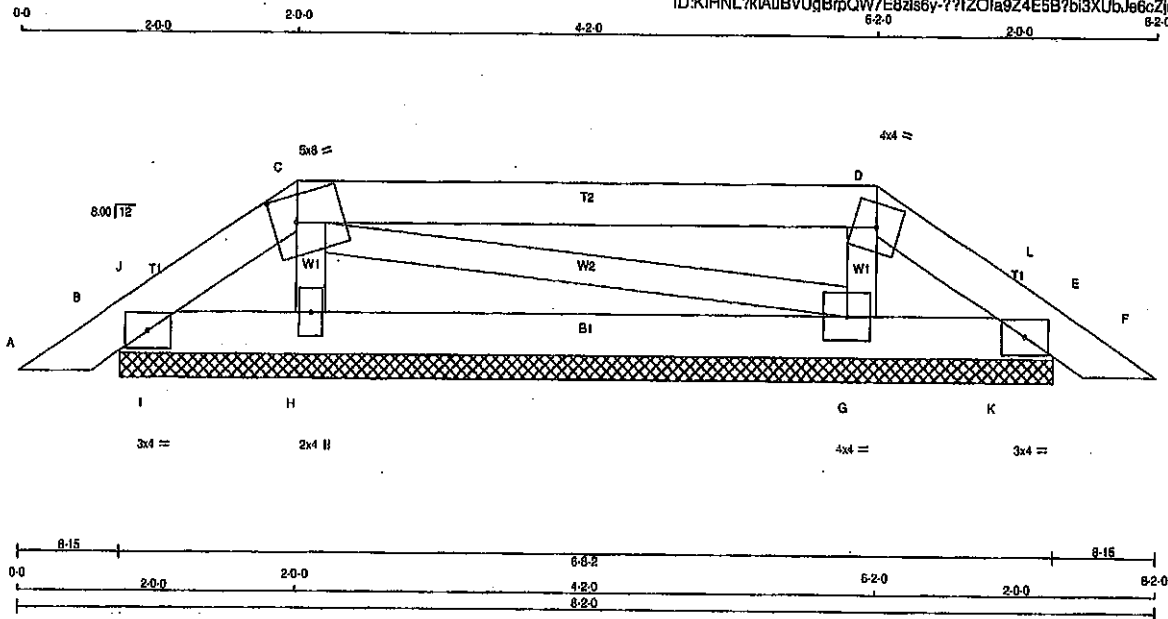
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (D) (INPUT = 0.80)
JSI METAL= 0.28 (A) (INPUT = 1.00)



Structural component only
DWG# T-2009109



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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TTW-m	MT20	5.0	6.0	2.25	2.00
D	TTW-m	MT20	4.0	4.0		
E	TMB1-I	MT20	3.0	4.0		
G	BMW1-I	MT20	4.0	4.0		
H	BMW1-w	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	UP/LIFT		
B	145	0	145	0	8-8-2	8-8-2
E	141	0	141	0	8-8-2	8-8-2
H	283	0	283	0	8-8-2	8-8-2
G	289	0	289	0	8-8-2	8-8-2

UNFACTORED REACTIONS

JT	1ST LOASE COMBINED	MAX./MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	99	83 / 0	0 / 0	0 / 0	0 / 0	17 / 0	0 / 0
E	97	81 / 0	0 / 0	0 / 0	0 / 0	16 / 0	0 / 0
H	202	121 / 0	0 / 0	0 / 0	0 / 0	81 / 0	0 / 0
G	206	125 / 0	0 / 0	0 / 0	0 / 0	81 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MEMB.
FR-TO				FR-TO			
A-B	0 / 15	-91.8	-91.8 0.03 (1)	10.00	H-C	-203 / 0	0.03 (1)
B-J	-44 / 0	-91.8	-91.8 0.01 (4)	8.25	C-G	-6 / 0	0.00 (1)
J-C	-51 / 0	-91.8	-91.8 0.01 (1)	8.25	G-D	-208 / 0	0.03 (1)
C-D	-11 / 0	-91.8	-91.8 0.27 (1)	6.25	I-J	-88 / 0	0.00 (1)
D-L	-45 / 0	-91.8	-91.8 0.01 (1)	6.25	K-L	-89 / 0	0.00 (1)
L-E	-37 / 2	-91.8	-91.8 0.01 (4)	6.25			
E-F	0 / 15	-91.8	-91.8 0.03 (1)	10.00			
B-I	0 / 40	-18.5	-18.5 0.03 (1)	10.00			
I-H	0 / 40	-18.5	-18.5 0.05 (4)	10.00			
H-G	0 / 17	-18.5	-18.5 0.05 (4)	10.00			
G-K	0 / 35	-18.5	-18.5 0.05 (4)	10.00			
K-E	0 / 35	-18.5	-18.5 0.03 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
 TOP CH. LL = 25.6 PSF
 DL = 6.0 PSF
 BOT CH. LL = 0.0 PSF
 DL = 7.4 PSF
 TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN./C/C

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

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

THIS DESIGN COMPLIES WITH:
 - PART 9 OF BCBC 2018, CBC 2012, ABC 2019
 - PART 9 OF CBC 2012 (2019 AMENDMENT)
 - CSA 088-09, CSA 086-14
 - TPIC 2011, TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.27/1.00 (C-D:1), BC=0.05/1.00 (H-I:4), WB=0.03/1.00 (D-G:1), SSI=0.15/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

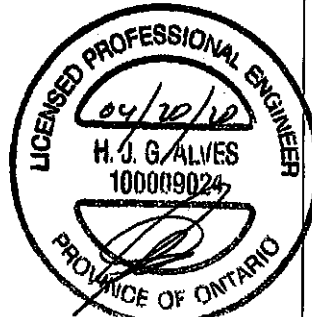
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
 PLATE GRIP(DRY) SHEAR SECTION (PSI) (PL) (PLI)
 MAX MIN MAX MIN MAX MIN
 MT20 618 354 1667 788 1987 1858

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.18 (D) (INPUT = 0.80)
 JSI METAL= 0.05 (C) (INPUT = 1.00)



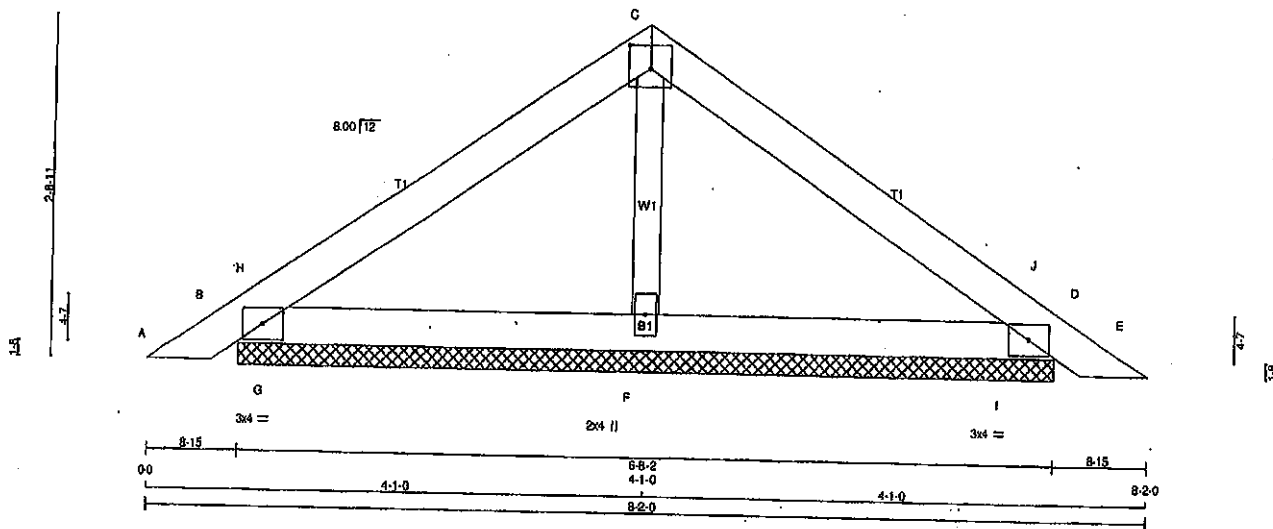
Structural component only
 DWG# T-2006466

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
408163	PB2	7	1	GREEN PARK HOMES		

Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 MTEK Industries, Inc. Fri Apr 17 08:46:32 2020 Page 1
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Scale = 1:16.9



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

PLATES (table in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMB1-I	MT20	3.0	4.0	
C	TTW-p	MT20	4.0	4.0	2.25 2.00
D	TMB1-I	MT20	3.0	4.0	
F	BMW1-w	MT20	2.0	4.0	

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQ'D BRG
	VERT	HORZ	DOWN	HORZ		
B	284	0	284	0	0	0
D	284	0	284	0	0	0
F	291	0	291	0	0	0

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED		MAX./MIN. COMPONENT REACTIONS			
	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	198	142 / 0	0 / 0	0 / 0	58 / 0	0 / 0
D	198	142 / 0	0 / 0	0 / 0	58 / 0	0 / 0
F	208	125 / 0	0 / 0	0 / 0	83 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				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		FR-TO			
A-B	0 / 15	-91.8 -91.8	0.03 (1)	10.00	F-C	-138 / 0	0.02 (1)
B-H	-32 / 0	-91.8 -91.8	0.05 (1)	8.25	G-H	-278 / 0	0.00 (1)
H-C	-111 / 0	-91.8 -91.8	0.12 (1)	8.25	I-J	-278 / 0	0.00 (1)
C-J	-111 / 0	-91.8 -91.8	0.12 (1)	8.25			
J-D	-32 / 0	-91.8 -91.8	0.05 (1)	8.25			
D-E	0 / 15	-91.8 -91.8	0.03 (1)	10.00			
B-G	0 / 88	-18.5 -18.5	0.12 (1)	10.00			
G-F	0 / 88	-18.5 -18.5	0.12 (1)	10.00			
F-I	0 / 88	-18.5 -18.5	0.12 (1)	10.00			
I-D	0 / 88	-18.5 -18.5	0.12 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. G.C.

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.12/1.00 (C-H:1), BC=0.12/1.00 (B-G:1), WB=0.02/1.00 (C-F:1), SS=0.21/1.00 (B-G:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

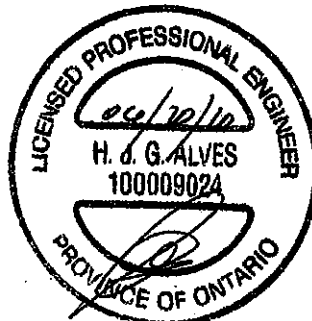
NAIL VALUES

PLATE	GRIP (DRY)	SHEAR	SECTION
(PS)	(PL)	(PL)	(PL)
MAX	MIN	MAX	MIN
MT20	618	354	1667
	788	1987	1556

PLATE PLACEMENT TOL. = 0.250 inches

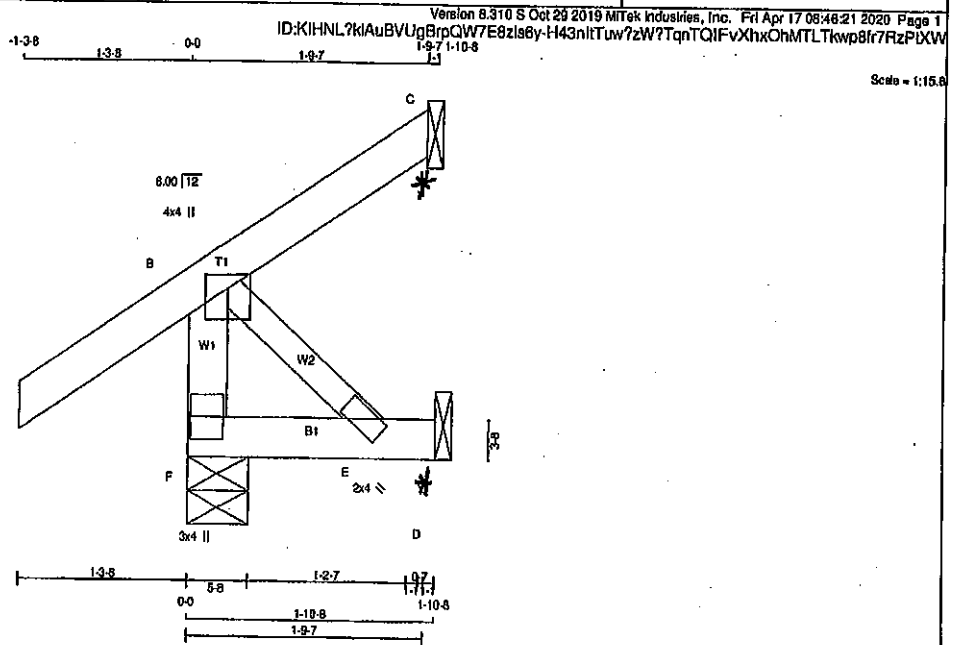
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.24 (B) (INPUT = 0.90)
JSI METAL = 0.06 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006467

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408163	J1	3	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	



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

PLATES (tablets in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
E	BMVW+p	MT20	2.0	4.0		
F	BMV1+p	MT20	3.0	4.0		

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
F	274	0	274	0
C	34	0	34	0
D	17	0	17	0

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

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 160 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	190	143/0	0/0	0/0	0/0	47/0	0/0
C	23	19/-27	0/0	0/0	0/0	4/0	0/0
D	14	0/0	0/0	0/0	0/0	14/0	0/0

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

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	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)
F-B		-256/0	0.0	0.0	0.03 (1)	F-E		0/0	0.00 (1)
A-B		0/35	-91.8	-91.8	0.12 (1)	B-E		0/0	0.00 (1)
B-C		-27/0	-91.8	-91.8	0.12 (1)				
F-E		0/0	-18.5	-18.5	0.02 (4)				
E-D		0/0	-18.5	-18.5	0.02 (4)				

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 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, NBC 2012, ABC 2019
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.19")
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=0.12/1.00 (A-B:1), BC=0.02/1.00 (E-F:4),
WB=0.00/1.00 (B-E:1), SS=0.08/1.00 (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

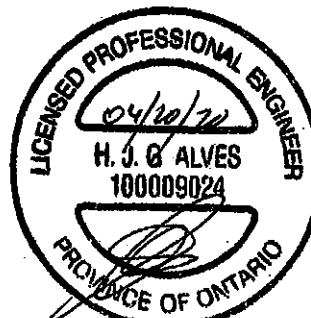
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 789 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.18 (B) (INPUT = 0.90)
JSI METAL= 0.05 (B) (INPUT = 1.00)

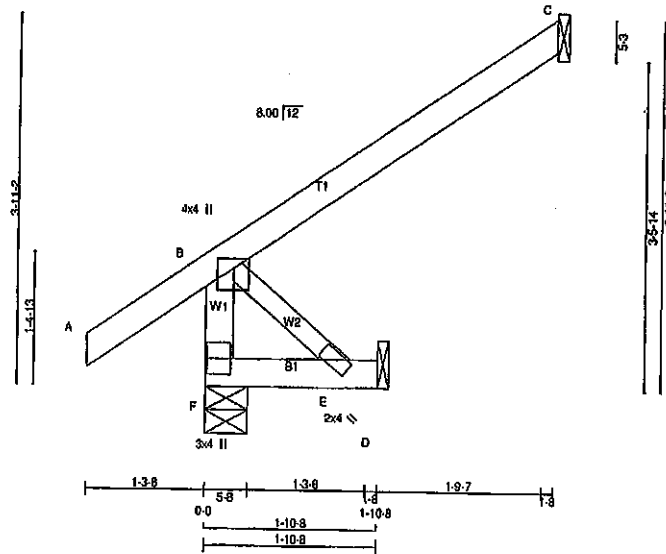


Structural component only
DWG# T-2006458

JOB NAME 408163	TRUSS NAME J2	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

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Scale = 1/22.6



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

PLATES (tablets in inches)	W	LEN	Y	X
JT TYPE				
B TMVW+p	MT20	4.0	4.0	1.25 2.00
E BMV+w	MT20	2.0	4.0	
F BMV1+p	MT20	3.0	4.0	

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

STRUCTURE DESIGNER						
BEARINGS						
	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX
JT	317	0	317	0	0	5-8
F	174	0	174	0	0	1-8
C	17	0	19	0	0	1-8

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

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	220	167 / 0	0 / 0	0 / 0	0 / 0	53 / 0	0 / 0
C	120	97 / 0	0 / 0	0 / 0	0 / 0	23 / 0	0 / 0
D	14	0 / 0	0 / 0	0 / 0	0 / 0	14 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC1)
MEMB.	FR-TO	FROM	TO	CS1 (LC)	UNBRAC LENGTH	FR-TO	FROM	TO	CS1 (LC)
F-B	-300 / 0	0.0	0.0	0.03 (1)	7.81	B-E	0 / 0	0.00 (1)	
A-B	0 / 35	-91.8	-91.8	0.13 (5)	10.00				
B-C	0 / 0	-91.8	-91.8	0.22 (1)	10.00				
F-E	0 / 0	-18.5	-18.5	0.02 (4)	10.00				
E-D	0 / 0	-18.5	-18.5	0.01 (4)	10.00				

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 3 X 12 = 35 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 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 CBC 2018, OBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CS: TC=0.22/1.00 (B-C:1), BC=0.02/1.00 (E-F:4), WB=0.00/1.00 (B-E:1), SS=0.11/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

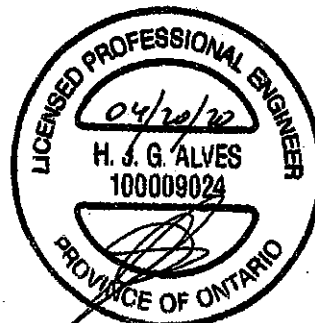
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.21 (B) (INPUT = 0.90)
JSI METAL = 0.06 (B) (INPUT = 1.00)



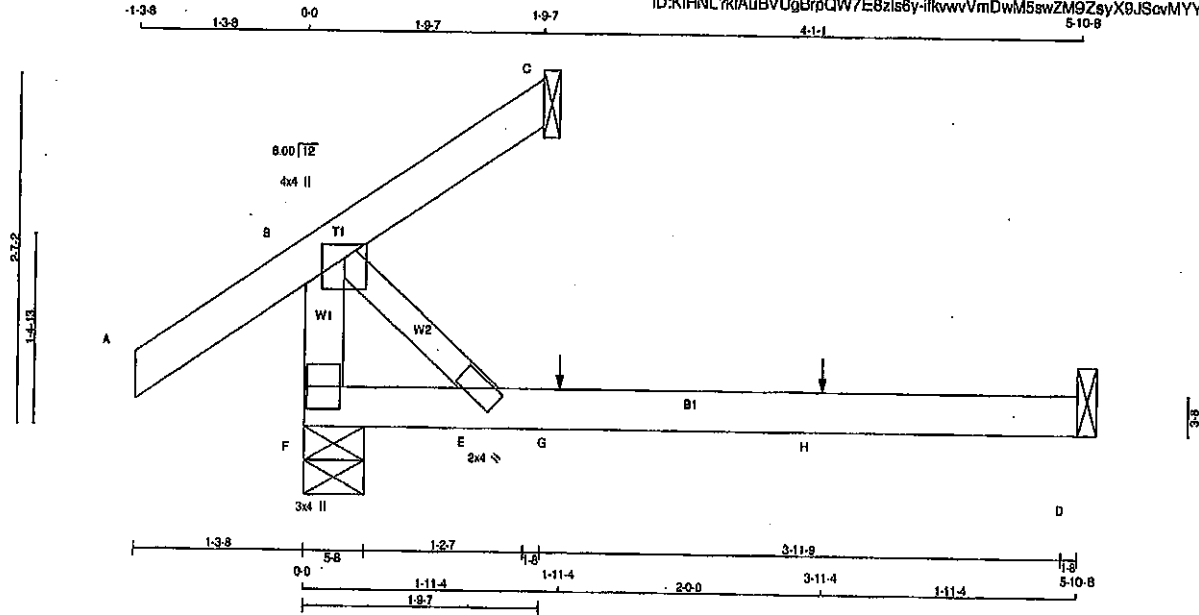
Structural component only
DWG# T-2006459

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408163	J3	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:15.8



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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	4.0	1.25 2.00
E	BMV+w	MT20	2.0	4.0	
F	BMV1+p	MT20	3.0	4.0	

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

BEARINGS		FACTORED		GROSS REACTION		MAXIMUM FACTORED		INPUT		REQD.	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	BRG	BRG	IN-SX	IN-SX
F	311	0	311	0	0	5-8	5-8	0	0	0	0
C	34	0	34	0	0	1-8	1-8	0	0	0	0
D	54	0	61	0	0	1-8	1-8	0	0	0	0

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

UNFACTORED REACTIONS

JT	1ST LOSE	MAX/MIN	COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	220	143 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	77 / 0	0 / 0
C	23	19 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	4 / 0	0 / 0
D	43	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	43 / 0	0 / 0

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

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		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	MAX. UNBRACED LENGTH FR-TO	MEMB.	FORCE (LBS)	MAX. CSI (LC)
FR-TO							
F-B	-256 / 0	0.0	0.0	0.03 (1)	7.81	B-E	0 / 0
A-B	0 / 35	-91.8	-91.8	0.13 (1)	10.00		
B-C	-27 / 0	-91.8	-91.8	0.12 (1)	6.25		
F-E	0 / 0	-18.5	-18.5	0.13 (4)	10.00		
E-G	0 / 0	-18.5	-18.5	0.19 (4)	10.00		
G-H	0 / 0	-18.5	-18.5	0.19 (4)	10.00		
H-D	0 / 0	-18.5	-18.5	0.19 (4)	10.00		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	1-11.4	1	1	---	FRONT	VERT	TOTAL	---	C1
H	3-11.4	1	1	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 3 X 13 = 40 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBCC 2015, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 085-14
- TPIC 2011, TPIC 2014

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

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. HAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.20")
CALCULATED VERT. DEFL. (LL) = L/999 (0.00")
ALLOWABLE DEFL. (TL) = L/360 (0.20")
CALCULATED VERT. DEFL. (TL) = L/999 (0.05")

CSI: TC=0.12/1.00 (A-B:1), BC=0.19/1.00 (D-E:4), WB=0.09/1.00 (B-E:1), SS=0.09/1.00 (B-C:1)

DOL LUMBER=0.98 NAIL=0.98 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

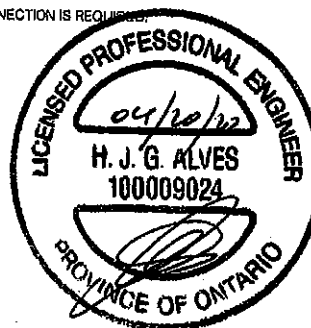
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PS) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.18 (B) (INPUT = 0.90)
JSI METAL = 0.05 (B) (INPUT = 1.00)

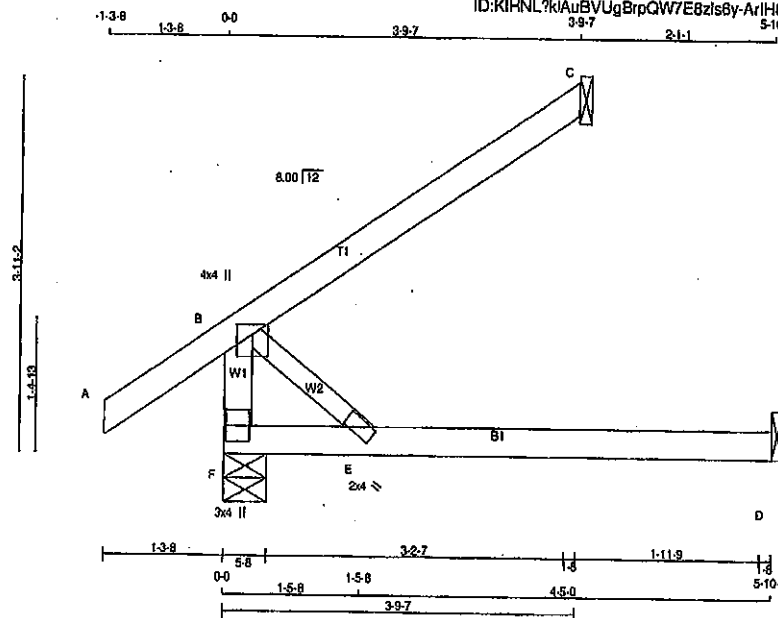


Structural component only
DWG# T-2006460

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408163	J4	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:22.3

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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	4.0	1.25 2.00
E	BMVW+p	MT20	2.0	4.0	
F	BMV1+p	MT20	3.0	4.0	

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS REACTION	HORZ	DOWN	HORZ	BRG	IN-SX	BRG	IN-SX
F	354	0	354	0	0	5-8	5-8	5-8	5-8
C	174	0	174	0	0	1-8	1-8	1-8	1-8
D	54	0	61	0	0	1-8	1-8	1-8	1-8

SEE MITEK STANDARD DETAIL 897791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS		1ST CASE		MAX/MIN COMPONENT REACTIONS		PERM LIVE		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	SNOW	LIVE	WIND	DEAD	SOIL	WIND	DEAD	SOIL	WIND	DEAD
F	250	187/0	0/0	0/0	0/0	0/0	83/0	0/0	0/0	83/0	0/0	0/0	0/0
C	120	97/0	0/0	0/0	0/0	0/0	23/0	0/0	0/0	23/0	0/0	0/0	0/0
D	43	0/0	0/0	0/0	0/0	0/0	43/0	0/0	0/0	43/0	0/0	0/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) F, 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: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)	MAX	CS1 (LC)
FR-TO		FROM	TO	FR-TO		FROM	TO
F-B	-300/0	0.0	0.0	0.03 (1)	7.81	B-E	0/0
A-B	0/35	-91.8	-91.8	0.12 (1)	10.00		
B-C	0/0	-91.8	-91.8	0.22 (1)	10.00		
F-E	0/0	-18.5	-18.5	0.14 (4)	10.00		
E-D	0/0	-18.5	-18.5	0.19 (4)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBCG 2010, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/999 (0.05")

CSI: TC=0.22/1.00 (B-C:1), BC=0.19/1.00 (D-E:4), WB=0.00/1.00 (B-E:1), SSI=0.11/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.21 (B) (INPUT = 0.99)
JSI METAL= 0.08 (B) (INPUT = 1.00)



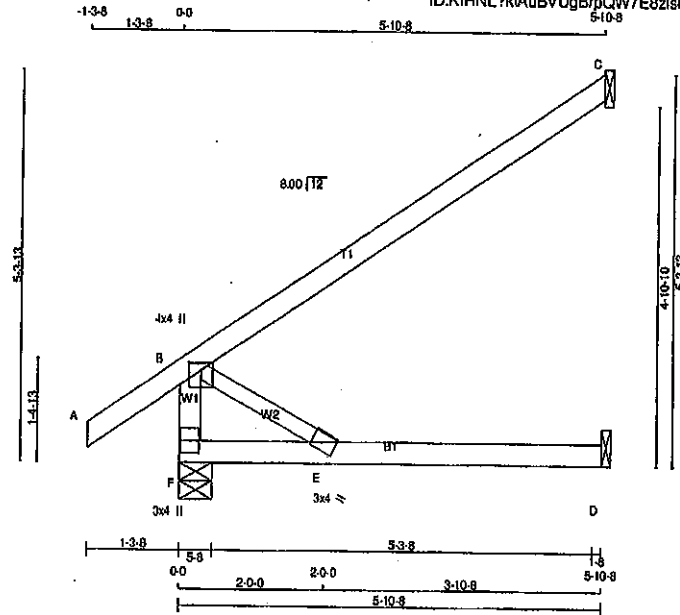
Structural component only
DWG# T-2006461

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408163	J5	11	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Fil Apr 17 08:46:28 2020 Page 1
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Scale = 1:28.5



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

<u>PLATES (table in inches)</u>						
JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
E	BMVW+w	MT20	3.0	4.0		
F	BMV1+p	MT20	3.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG
	VERT	HORZ	DOWN	HORZ
			UPLIFT	IN-SX
				IN-SX
F	450	0	450	0
C	270	0	270	0
D	54	0	61	0

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

UNFACTORED REACTIONS

1ST LCASE	MAX./MIN.	COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	316	221/0	0/0	0/0	0/0	95/0	0/0
C	188	150/0	0/0	0/0	0/0	35/0	0/0
D	43	0/0	0/0	0/0	0/0	43/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE	VERT. LOAD	MEMB.	FORCE
	(LBS)	(PLF)		(LBS)
FR-TO		FROM TO	FR-TO	
F-B	-395/0	0.0 0.0 0.04 (1)	B-E	0/0 0.00 (1)
A-B	0/35	-91.8 -91.8 0.12 (1)		
B-C	0/0	-91.8 -91.8 0.54 (1)		
F-E	0/0	-18.5 -18.5 0.17 (4)		
E-D	0/0	-18.5 -18.5 0.19 (4)		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 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, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/999 (0.05")

CSI: TC=0.54/1.00 (B-C:1), BC=0.19/1.00 (D-E:4),
WB=0.00/1.00 (B-E:1), 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
(PSI)	(PLI)	(PLI)	(PLI)
MAX	MIN	MAX	MIN
MT20	618	354	1867
			788
			1987
			1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.28 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006462

Version 8.310 S Oct 29 2019 MiTek Industries, Inc. Fri Apr 17 08:46:27 2020 Page 1
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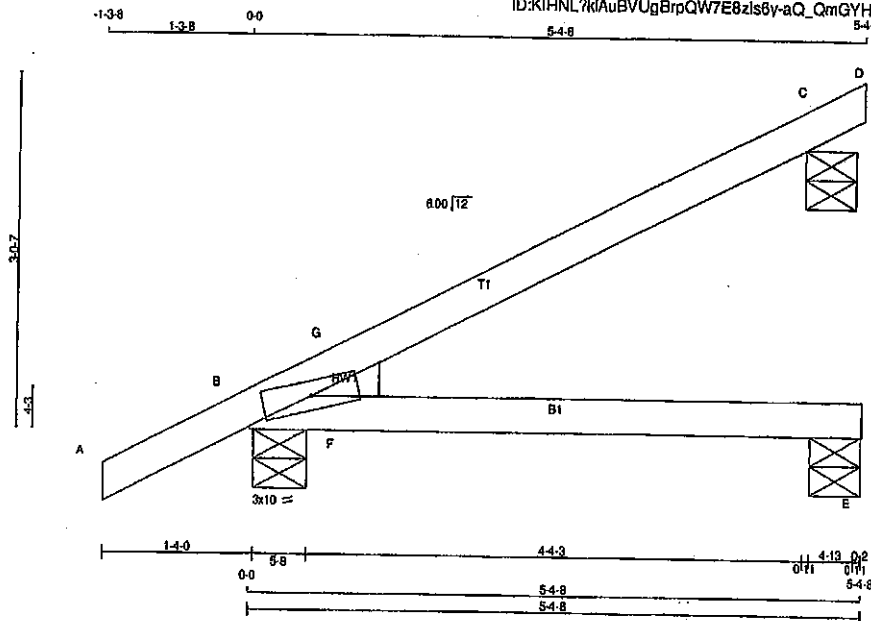


JSI GRIP= 0.15 (B) (INPUT = 0.90)
JSI METAL= 0.05 (B) (INPUT = 1.00)

Structural component only
DWG# T-2006463

JOB NAME 408163	TRUSS NAME J7	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.310 S Oct 28 2019 Mitek Industries, Inc. Fri Apr 17 08:48:28 2020 Page 1
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LUMBER
N. L. G. A. RULES
CHORDS SIZE LUMBER
A - D 2x4 DRY No.2
B - E 2x4 DRY No.2
DRY: SEASONED LUMBER.

PLATES (tablets in inches)
JT TYPE PLATES W LEN Y X
B TMBH1-m MT20 3.0 10.0

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX	HEEL WEDGE
	VERT	HORZ	DOWN	HORZ			
B	409	0	409	0	5-8	5-8	2x4 L
E	80	0	80	0	5-8	5-8	
C	235	0	235	0	5-8	5-8	

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

UNFACTORED REACTIONS

JT	COMBINED	MAX/MIN. COMPONENT REACTIONS				
		SNOW	LIVE	PERM. LIVE	WIND	DEAD
B	287	201/0	0/0	0/0	0/0	86/0
E	59	21/0	0/0	0/0	0/0	38/0
C	162	128/0	0/0	0/0	0/0	36/0

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

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)		FACTORED VERT. LOAD (PLF)		MAX. UNBRACED LENGTH (FT)	WEBS MAX. FACTORED FORCE (LBS)	
	FR-TO	FROM-TO	FR-TO	FROM-TO		FR-TO	FROM-TO
A-B	0/26	-91.8	-91.8	0.12 (1)	10.00	-191/14	0.00 (1)
B-G	-23/0	-91.8	-91.8	0.08 (4)	6.25		
G-C	0/4	-91.8	-91.8	0.30 (1)	10.00		
C-D	-7/0	-91.8	-91.8	0.01 (1)	10.00		
B-F	0/0	-18.5	-18.5	0.23 (1)	10.00		
F-E	0/0	-18.5	-18.5	0.23 (1)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.6 PSF
	OL = 6.0 PSF
BOT CH.	LL = 0.0 PSF
	OL = 7.4 PSF
TOTAL LOAD	= 39.0 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, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/360$ (0.19")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.05")
ALLOWABLE DEFL. (TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL. (TL) = $L/664$ (0.10")

CSI: TC=0.30/1.00 (C-G:1), BC=0.23/1.00 (E-F:1),
WB=0.00/1.00 (F-G:1), SS=0.16/1.00 (B-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

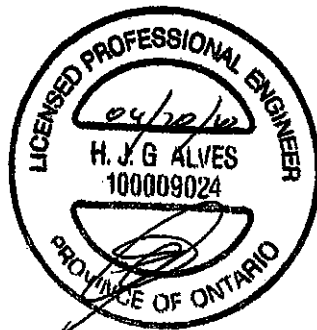
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION
(PS) (PL) (PL)
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 = 0.11 (B) (INPUT = 0.90)
JSI METAL = 0.03 (B) (INPUT = 1.00)



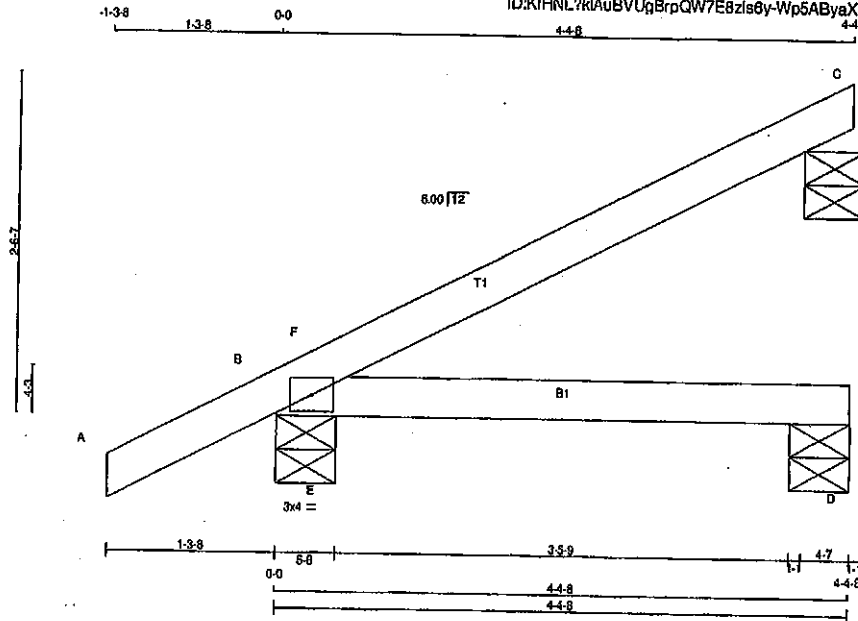
Structural component only
DWG# T-2006464

JOB NAME 408163	TRUSS NAME J8	QUANTITY 8	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 08:46:30 2020 Page 1
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Scale: 3/4"=1'



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

DRY: SEASONED LUMBER.

PLATES (tablets in inches)	JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-1	MT20	3.0	4.0			

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
C	175	0	175	0	5-8 (4-8)	5-8
B	396	0	396	0	5-8	5-8
D	66	0	66	0	5-8 (5-7)	5-8

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

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

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
C	121	94/0	0/0	0/0	0/0	27/0	0/0
B	256	181/0	0/0	0/0	0/0	75/0	0/0
D	49	18/0	0/0	0/0	0/0	32/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) C, 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: (4)

CHORDS		FACTORED				WEBS			
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	FORCE (LBS)	MAX. CSI (LC)		
FR-TO		FROM TO			FR-TO				
A-B	0 / 26	-91.8	-91.8	0.12 (1)	10.00	E-F	-280 / 6	0.00 (1)	
B-F	-20 / 37	-91.8	-91.8	0.05 (1)	8.25				
F-C	-3 / 2	-91.8	-91.8	0.23 (1)	10.00				
B-E	0 / 0	-18.5	-18.5	0.16 (1)	10.00				
E-D	0 / 0	-18.5	-18.5	0.16 (1)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 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, NBC 2012, ABC 2019
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/899 (0.04")

CSI: TC=0.23/1.00 (C-F:1), BC=0.16/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SS=0.23/1.00 (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 = 0.29 (B) (INPUT = 0.90)
JSI METAL = 0.08 (B) (INPUT = 1.00)

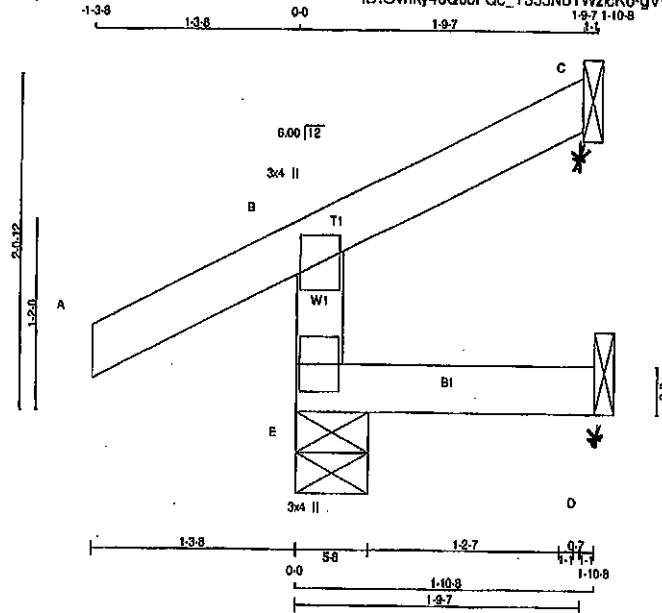


Structural component only
DWG# T-2006465

JOB NAME 408165	TRUSS NAME J21	QUANTITY 6	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 MTEK Industries, Inc. Fri Apr 17 08:44:08 2020 Page 1
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Scale = 1/16"

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

DRY: SEASONED LUMBER.

DESCR.
SPF
SPF
SPF

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
E	271	0	271	0	5-8	5-8
C	45	0	45	0	1-8	1-8
D	8	0	17	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97781H 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 CASE		MAX/MIN COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM			
E	188	141/0	0/0	0/0	0/0	47/0	0/0
C	31	24/-18	0/0	0/0	0/0	7/0	0/0
D	7	0/-8	0/0	0/0	0/0	12/0	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 = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (5)

MEMB.	CHORDS		FACTORED		WEBS		FACTORED	
	MAX. FORCE (LBS)	VERT. LOAD (LBS)	MAX. FORCE (LBS)	VERT. LOAD (LBS)	MAX. FORCE (LBS)	VERT. LOAD (LBS)	MAX. FORCE (LBS)	VERT. LOAD (LBS)
FR-TO								
E-B	-244/0	0.0	0.0	0.04 (5)	7.81			
A-B	0/28	-91.8	-91.8	0.12 (1)	10.00			
B-C	-17/0	-91.8	-91.8	0.09 (1)	6.25			
E-D	0/0	-18.5	-18.5	0.04 (5)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 6 X 7 = 42 LB

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	=	25.8	PSF
DL	=	6.0	PSF
BOT CH. LL	=	0.0	PSF
DL	=	7.4	PSF
TOTAL LOAD	=	39.0	PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 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")

CS: TC=0.12/1.00 (A-B:1), BC=0.04/1.00 (D-E:5), WB=0.00/1.00 (NA:0), SS=0.09/1.00 (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.

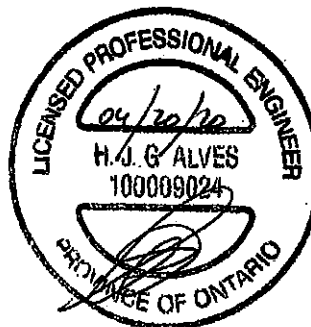
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.10 (E) (INPUT = 0.90)
JSI METAL= 0.07 (B) (INPUT = 1.00)

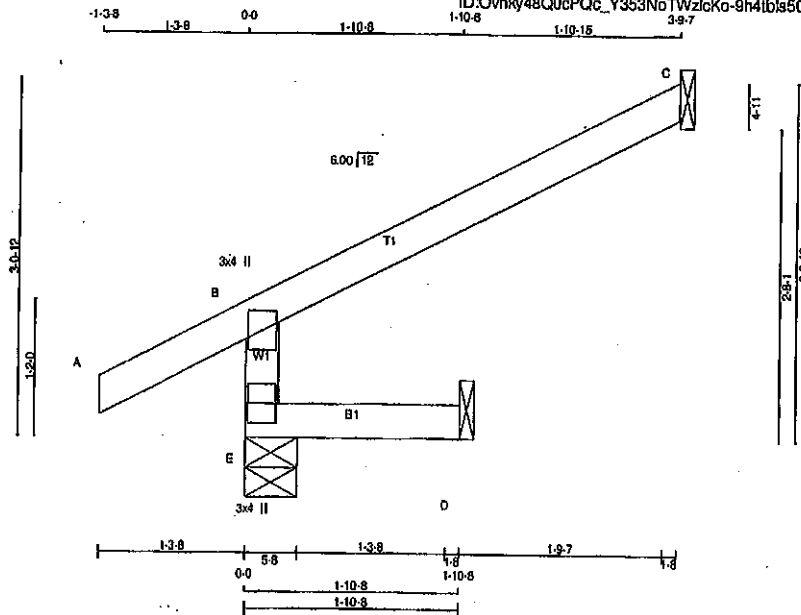


Structural component only
DWG# T-2006477

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	J22	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:18.2

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

DRY: SEASONED LUMBER.

PLATES (tablets in inches)			
JT 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
JT	GROSS REACTION	GROSS REACTION	DOWN	UP	BRG
E	361	0	361	0	5-8
C	130	0	130	0	1-8
D	16	0	17	0	1-8

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

UNFACTORED REACTIONS		1ST CASE	MAX/MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
JT	COMBINED	SNOW	LIVE	PERM. LIVE		
E	250	190/0	0/0	0/0	0/0	60/0
C	90	73/0	0/0	0/0	0/0	17/0
D	12	0/0	0/0	0/0	0/0	12/0

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: (5)

CHORDS		MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. (LBS)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	LENGTH FR-TO		
E-B	-342/0	0.0	0.0 0.01 (4)	7.81	
A-B	0/28	-91.8	-91.8 0.13 (5)	10.00	
B-C	-19/0	-91.8	-91.8 0.22 (1)	6.25	
E-D	0/0	-18.5	-18.5 0.02 (4)	10.00	

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 3 X 10 = 29 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 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, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS
OVERHANG NOT TO BE ALTERED OR CUT OFF.

(65 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 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=0.22/1.00 (B-C:1), 8C=0.02/1.00 (D-E:4),
WB=0.00/1.00 (W:0), CSI=0.15/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 768 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.14 (E) (INPUT = 0.90)
JSI METAL= 0.09 (B) (INPUT = 1.00)

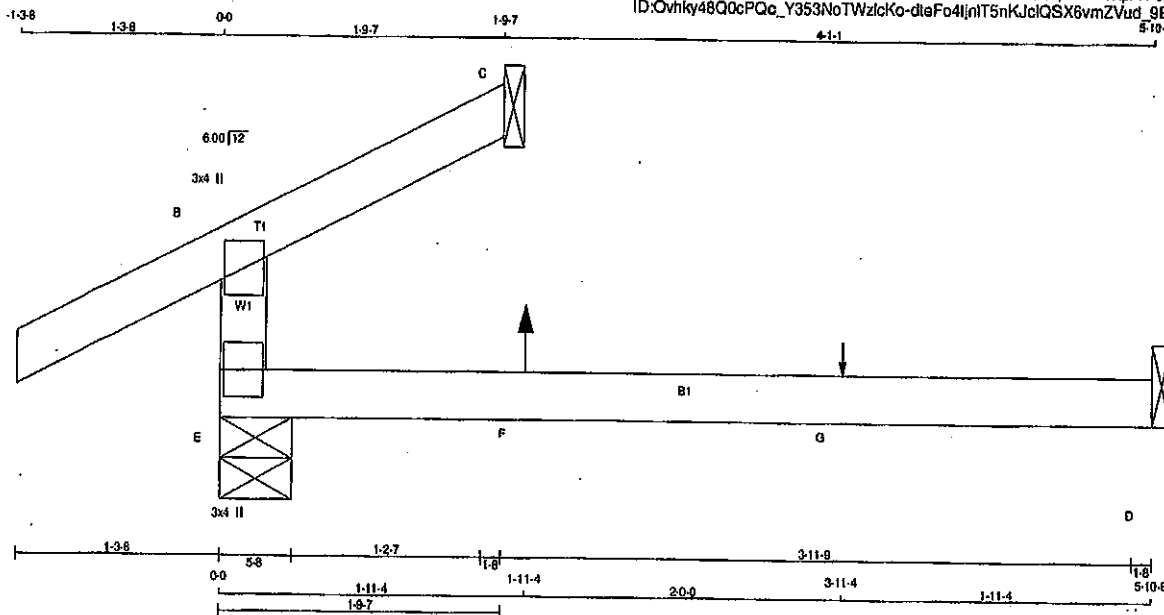


Structural component only
DWG# T-2006478

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	J23	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:13.1

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 (tablets in inches)				
JT TYPE	PLATES	W	LEN	Y
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	GROSS REACTION	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	BRG	BRG
E	284	0	0	284	0	0	5.8	5.8	
C	63	0	0	63	0	0	1.8	1.8	
D	44	0	0	52	0	0	1.8	1.8	

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

UNFACTORED REACTIONS		1ST LCASE		MAX/MIN COMPONENT REACTIONS		PERM LIVE		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	DOWN	HORZ	UPLIFT	IN-SX	BRG	BRG	DOWN	HORZ	UPLIFT	IN-SX
E	200	137.0	0.0	0.0	0.0	0.0	0.0	82.0	0.0	0.0	0.0	0.0	0.0
C	48	21.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
D	35	0.3	0.0	0.0	0.0	0.0	0.0	37.0	0.0	0.0	0.0	0.0	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 = 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		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)	MAX. CSI (LC)
FR-TO		FROM	TO	FR-TO			
E-B	-227.0	0.0	0.0	0.11 (4)	7.81		
A-B	0.28	-91.8	-91.8	0.12 (1)	10.00		
B-C	-9.9	-91.8	-91.8	0.08 (4)	10.00		
E-F	0.0	-18.5	-18.5	0.14 (4)	10.00		
F-G	0.0	-18.5	-18.5	0.14 (4)	10.00		
G-D	0.0	-18.5	-18.5	0.14 (4)	10.00		

FACTORED CONCENTRATED LOADS (LBS)		LOC		MAX		FACE		DIR.		TYPE		HEEL		CONN.	
JT	LOC	LC1	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
F	1-11.4	7	1	12	BACK	VERT	TOTAL	---	---	---	---	---	---	---	---
G	3-11.4	1	1	12	BACK	VERT	TOTAL	---	---	---	---	---	---	---	---

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. CG

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 2010, NBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2018 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = 1/360 (0.20")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.01")
ALLOWABLE DEFL.(TL) = 1/360 (0.20")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.04")

CSI: TC=0.12/1.00 (A-B:1), BC=0.14/1.00 (D-E:4), WB=0.00/1.00 (N/A:0), SSI=0.09/1.00 (A-B:1)

DOL LUMBER=0.99 NAIL=0.99 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
MT20	618	354	1667 788 1987 1668

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.10 (E) (INPUT = 0.90)
JSI METAL = 0.08 (B) (INPUT = 1.00)

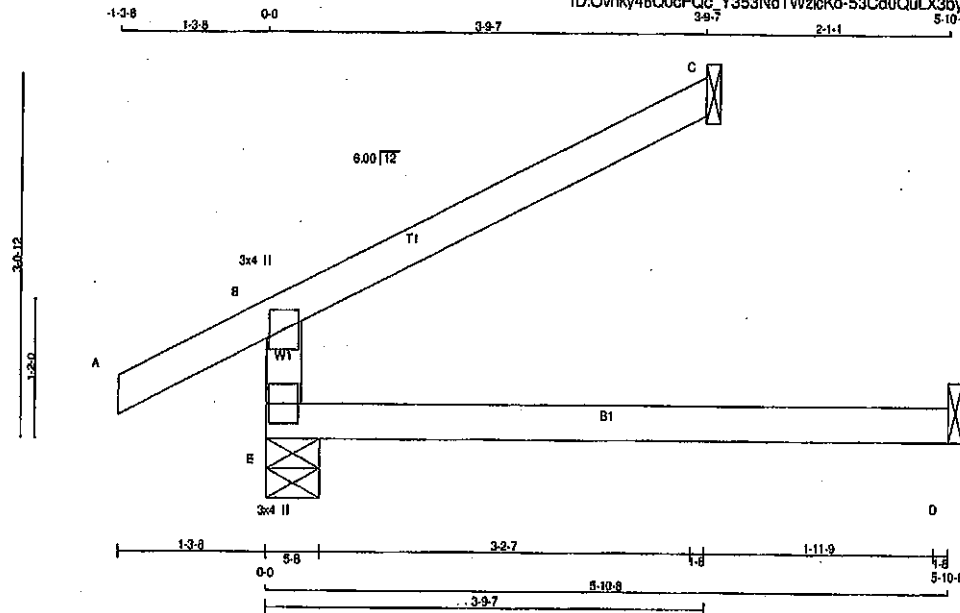


Structural component only
DWG# T-2006479

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	J24	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 14 = 28 lb

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 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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ UPLIFT		
E	405	0	405	0	5-8	5-8
C	130	0	130	0	1-8	1-8
D	45	0	50	0	1-8	1-8

SEE MITEK STANDARD DETAIL 897791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST LOASE	MAX./MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
E	286	190 / 0	0 / 0	0 / 0	0 / 0	98 / 0	0 / 0
C	90	73 / 0	0 / 0	0 / 0	0 / 0	17 / 0	0 / 0
D	36	0 / 0	0 / 0	0 / 0	0 / 0	36 / 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)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD		MAX. UNBRACED LENGTH FR-TO	WEBS MEMB. FORCE (LBS)	FACTORED MAX. FORCE (LBS)
		FROM	TO			
FR-TO						
E-B	-342 / 0	0.0	0.0	0.13 (4)	7.81	
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	
B-C	-19 / 0	-91.8	-91.8	0.22 (1)	8.25	
E-D	0 / 0	-18.5	-18.5	0.13 (4)	10.00	

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	=	25.6	PSF
DL	=	6.0	PSF
BOT CH. LL	=	0.0	PSF
DL	=	7.4	PSF
TOTAL LOAD	=	39.0	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, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 058-09, CSA 058-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.20")

CALCULATED VERT. DEFL.(LL) = L/999 (0.00")

ALLOWABLE DEFL.(TL) = L/360 (0.20")

CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CSI: TC=0.22/1.00 (B-C:1), BC=0.13/1.00 (D-E:4),

WB=0.00/1.00 (A-B:0), SSI=0.15/1.00 (B-C:1)

DOE 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.

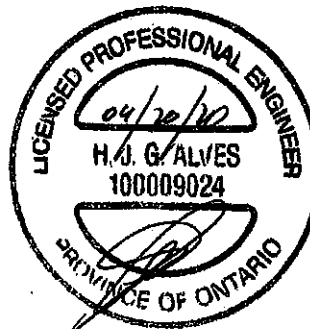
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	818 354	1687 788
		1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.14 (E) (INPUT = 0.90)
JSI METAL= 0.09 (B) (INPUT = 1.00)

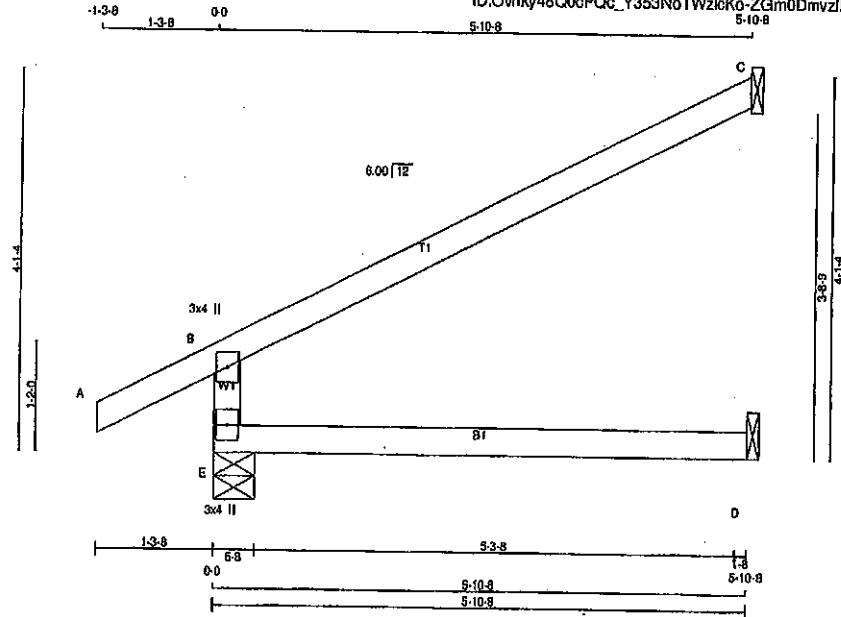


Structural component only
DWG# T-2006480

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	J25	11	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:Ovnlky48C0cPQc_Y353NoTWzckKo-ZGm0DmvzJMp0eT_QqU7BKrnShIYd7ox8avW8PzPlZX



Scale = 1:22.5

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	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	UPLIFT
E	525	0	525	0
C	202	0	202	0
D	45	0	45	0

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

UNFACTORED REACTIONS

1ST LOSE	MAX/MIN	COMPONENT REACTIONS
JT	COMBINED	SNOW
E	369	257.0
C	139	113.0
D	36	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	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LGT MAX (PLF)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	FR-TO	
E-B	-461/0	0.0	0.0	0.13 (4)
A-B	0/28	-91.8	-91.8	0.12 (1)
B-C	-30/0	-91.8	-91.8	0.04 (1)
E-D	0/0	-18.5	-18.5	0.13 (4)

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 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, NBC 2012, ABC 2019
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CSI: TC=0.64/1.00 (B-C:1), BC=0.13/1.00 (D-E:4), WB=0.00/1.00 (n/a:0), SSI=0.24/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

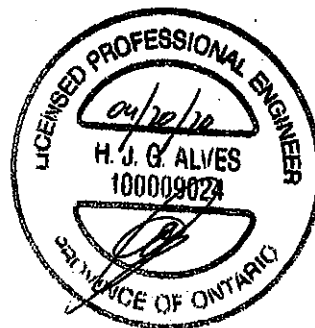
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES	PLATE (GRIP/DRY)	SHEAR (PS)	SECTION (PLI)
	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.

JSI GRIP = 0.19 (E) (INPUT = 0.90)
JSI METAL = 0.13 (B) (INPUT = 1.00)



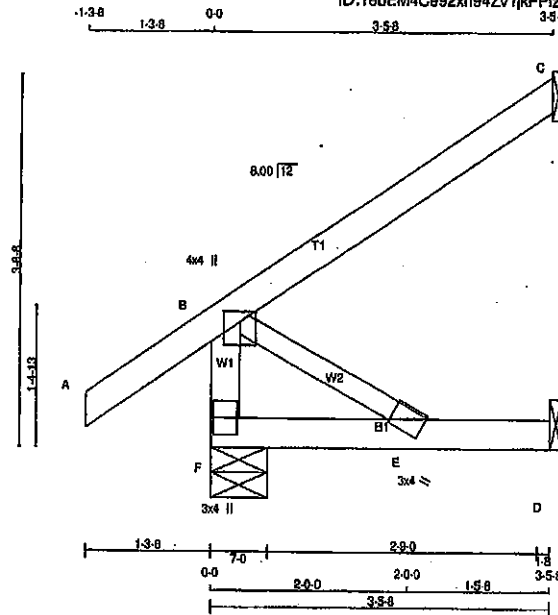
Structural component only
DWG# T-2006481

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408164	J26	9	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:21.2



TOTAL WEIGHT = 9 X 14 = 122 lb [M]

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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	4.0	1.25 2.00
E	BMVW+p	MT20	3.0	4.0	
F	BMV1+p	MT20	3.0	4.0	

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

BEARINGS					
JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG	
F	317	317	0	7-0	7-0
C	159	159	0	1-8	1-8
D	32	32	0	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			
F	222	159 / 0	0 / 0	0 / 0	0 / 0	63 / 0	0 / 0
C	109	88 / 0	0 / 0	0 / 0	0 / 0	21 / 0	0 / 0
D	26	0 / 0	0 / 0	0 / 0	0 / 0	26 / 0	0 / 0

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

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED HORZ. LOAD (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED HORZ. LOAD (LBS)
F-B	-285 / 0	0.0	0.0	B-E	0 / 0	0.0	0.0
A-B	0 / 35	-91.8	-91.8				
B-C	0 / 0	-91.8	-91.8				
F-E	0 / 0	-18.5	-18.5				
E-D	0 / 0	-18.5	-18.5				

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.10")
CALCULATED VERT. DEFL. (LL) = L/898 (0.00")
ALLOWABLE DEFL. (TL) = L/360 (0.10")
CALCULATED VERT. DEFL. (TL) = L/898 (0.01")

CSI: TC=0.10/1.00 (B-C:1), BC=0.08/1.00 (E-F:4), WB=0.00/1.00 (B-E:1), SS=0.10/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 788 1987 1658

PLATE PLACEMENT TOL. = 0.260 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.20 (B) (INPUT = 0.90)
JSI METAL = 0.06 (B) (INPUT = 1.00)

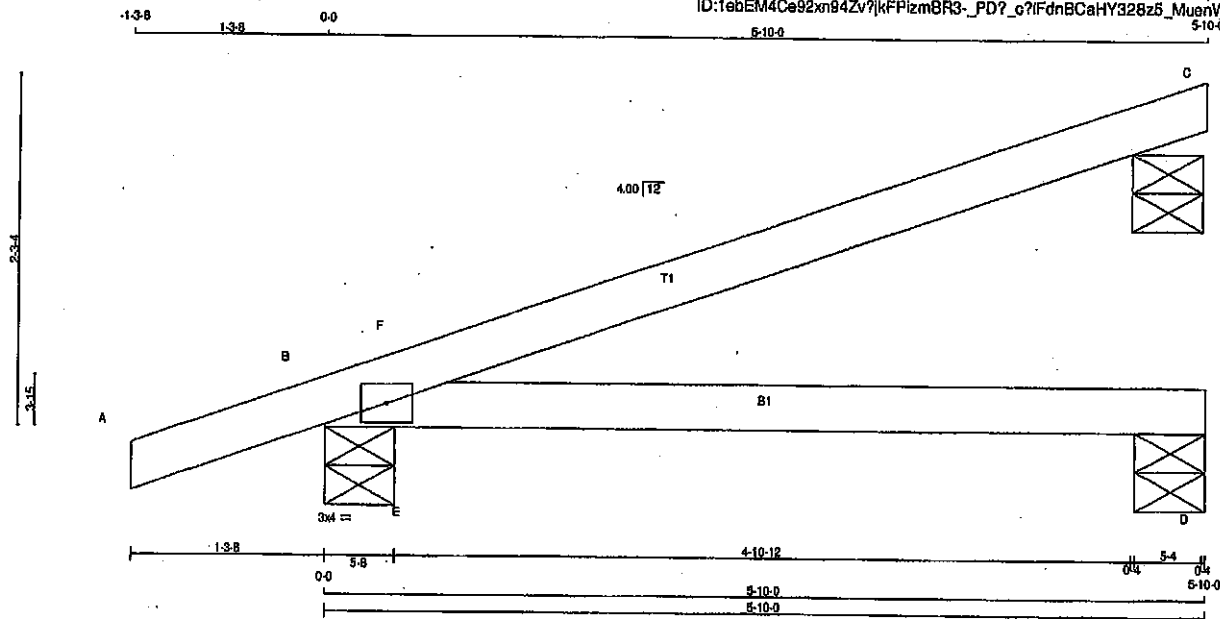


Structural component only
DWG# T-2007730

JOB NAME 408164	TRUSS NAME J27	QUANTITY 7	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 MTek Industries, Inc. Tue Apr 28 10:55:31 2020 Page 1
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LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS	2x4	DRY	SPF
A - C	2x4	DRY	SPF
B - D	2x4	DRY	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
B	TMB1-I	MT20	3.0	4.0

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
C	234	0	234	0	5-8	5-8
B	444	0	444	0	5-8	5-8
D	88	0	88	0	5-8	5-8

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

JT	UNFACTORED REACTIONS		MAX./MIN. COMPONENT REACTIONS				
	1ST CASE	2ND CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD
C	162	128 / 0	0 / 0	0 / 0	0 / 0	36 / 0	0 / 0
B	312	218 / 0	0 / 0	0 / 0	0 / 0	84 / 0	0 / 0
D	66	23 / 0	0 / 0	0 / 0	0 / 0	42 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) C, 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: (4)

MEMB.	CHORDS		FACTORED		WEBS		FACTORED	
	MAX. FORCE (LBS)	VERT. LOAD (LBS)	VERT. LOAD (LBS)	LC1 MAX (PLF)	MAX. UNBRACED LENGTH	MEMB. FORCE (LBS)	MAX. FORCE (LBS)	MAX. UNBRACED LENGTH
FR-TO								
A-B	0 / 18	-91.8	-91.8	0.11 (1)	10.00	E-F	-324 / 12	0.00 (1)
B-F	-20 / 18	-91.8	-91.8	0.07 (4)	8.25			
F-C	-2 / 2	-91.8	-91.8	0.41 (1)	10.00			
B-E	0 / 0	-18.5	-18.5	0.28 (1)	10.00			
E-D	0 / 0	-18.5	-18.5	0.28 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. O.C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/501 (0.14")

CSI: TC=0.41/1.00 (C-F:1), BC=0.28/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SS=0.27/1.00 (B-E:1)

DOIL 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 1687 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.29 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)



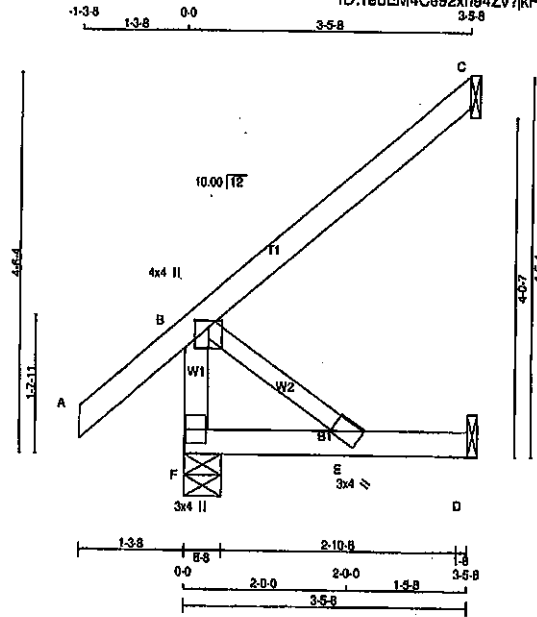
Structural component only
DWG# T-2007731

JOB NAME 408164	TRUSS NAME J28	QUANTITY 7	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1:25.4



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

PLATES (tablets in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	4.0	1.00 2.00
E	BMW+w	MT20	3.0	4.0	
F	BMV1+p	MT20	3.0	4.0	

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ	IN-SX	IN-SX
F	318	0	318	0	5-8	5-8
C	159	0	159	0	1-8	1-8
D	32	0	32	0	1-8	1-8

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

UNFACTORED REACTIONS

JT	1ST CASE		MAX/MIN COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE	0/0	0/0	0/0
F	222	159/0	0/0	0/0	0/0	83/0	0/0
C	108	88/0	0/0	0/0	0/0	21/0	0/0
D	26	0/0	0/0	0/0	0/0	28/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (6)

MEMB.	CHORDS		FACTORED		WEBS		FACTORED	
	MAX. FORCE (LBS)	VERT. LOAD (PLF)	MAX. CS1 (LC)	UNBRAC LENGTH FR-TO	MEMB.	MAX. FORCE (LBS)	MAX. CS1 (LC)	UNBRAC LENGTH FR-TO
F-B	-288/0	0.0	0.0	0.03 (1)	7.81	B-E	0/0	0.00 (1)
A-B	0/41	-91.8	-91.8	0.14 (5)	10.00			
B-C	0/0	-91.8	-91.8	0.19 (1)	10.00			
F-E	0/0	-18.5	-18.5	0.08 (4)	10.00			
E-D	0/0	-18.5	-18.5	0.08 (4)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 7 X 14 = 101 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	=	25.8	PSF
DL	=	6.0	PSF
BOT CH. LL	=	0.0	PSF
DL	=	7.4	PSF
TOTAL LOAD	=	39.0	PSF

SPACING = 24.0 IN. O.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, CBC 2012, ABC 2019
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL)	=	L/360 (0.19")
CALCULATED VERT. DEFL. (LL)	=	L/899 (0.00")
ALLOWABLE DEFL. (TL)	=	L/360 (0.19")
CALCULATED VERT. DEFL. (TL)	=	L/999 (0.01")

CS1: TC=0.19/1.00 (B-C:1), BC=0.08/1.00 (E-F:4), WB=0.00/1.00 (B-E:1), SS=0.10/1.00 (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)	(PL)	(PL)	(PL)
MAX	MIN	MAX	MIN
MT20	618	354	1687
	788	1987	1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.22 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)



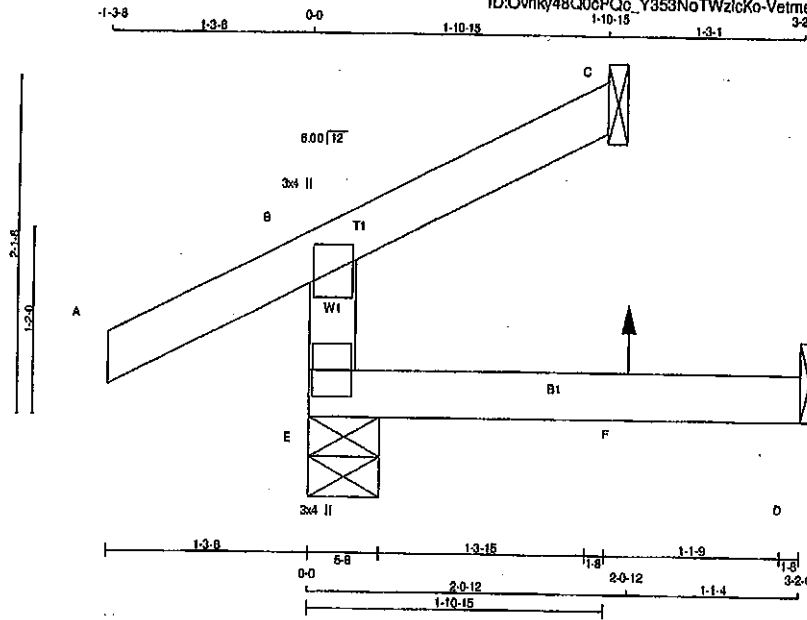
Structural component only
DWG# T-2007732

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	J31	2	1	TRUSS DESC.		

Tamrack Roof Truss, Burlington

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Scale = 1:13.4



LUMBER				
N. L. & A. RULES				
CHORDS	SIZE		LUMBER	
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)

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

1920461596789084

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
E	284	0	284	0
C	65	0	65	0
D	21	0	28	0

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

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	185	129.0	0.0	0.0	0.0	57.0	0.0
C	46	37.0	0.0	0.0	0.0	9.0	0.0
D	15	12.0	0.0	0.0	0.0	2.0	0.0

HORIZONTAL REACTIONS

6205	0.31493984989102080	0.0	0.0	0.0	0.0	0.0	0.0
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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: (8)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED HORZ. LOAD (LC1)	MAX. FACTORED UNBRACED LENGTH (FT)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)
E-B		-234.0	0.0	0.0	0.03 (4)		7.81	
A-B		0.28	-91.8	-91.8	0.13 (5)		10.00	
B-C		-10.0	-91.8	-91.8	0.06 (1)		10.00	
E-F		0.0	-18.5	-18.5	0.04 (4)		10.00	
F-D		0.0	-18.5	-18.5	0.04 (4)		10.00	

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
F	2-0-12	7	1	12	FRONT	VERT	TOTAL		C1

CONNECTION REQUIREMENTS

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

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN.

TOTAL WEIGHT = 2 X 9 = 17 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 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, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/360$ (0.19")
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-5), BC=0.04/1.00 (D-E-4),
WB=0.00/1.00 (n/a:0), SSI=0.10/1.00 (A-B-5)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1607 788 1987 1658

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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

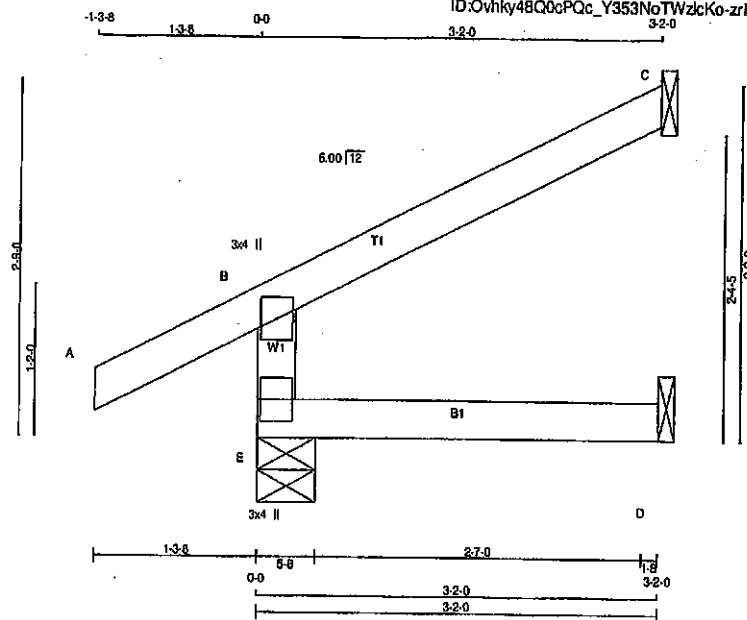


Structural component only
DWG# T-2006482

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	J32	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:16.4

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		FACTORED	MAXIMUM FACTORED	INPUT	RECORD
JT	GROSS REACTION	DOWN	HORZ	UPLIFT	IN-SX
E	339	0	339	0	0
C	109	0	109	0	0
D	25	0	25	0	0

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

UNFACTORED REACTIONS

JT	1ST LOOSE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	237	171/0	0/0	0/0	0/0	0/0	67/0	0/0
C	75	61/0	0/0	0/0	0/0	0/0	14/0	0/0
D	20	0/0	0/0	0/0	0/0	0/0	20/0	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: (6)

CHORDS		MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB. FORCE (LBS)	MAX
FR-TO		FROM	TO	LENGTH	FR-TO
E-B	-306/0	0.0	0.0	0.03 (4)	7.81
A-B	0/28	-91.8	-91.8	0.13 (5)	10.00
B-C	-16/0	-91.8	-91.8	0.16 (1)	6.25
E-D	0/0	-18.5	-18.5	0.04 (4)	10.00

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 3 X 10 = 31 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 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 2010, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPO 2011, TPO 2014

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

(55% OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/899 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/999 (0.00")

CSI: TC=0.18/1.00 (B-C:1), BC=0.04/1.00 (D-E:4), WB=0.00/1.00 (A:0), SS=0.13/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

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

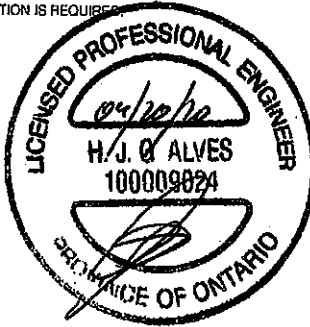
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.13 (E) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006483

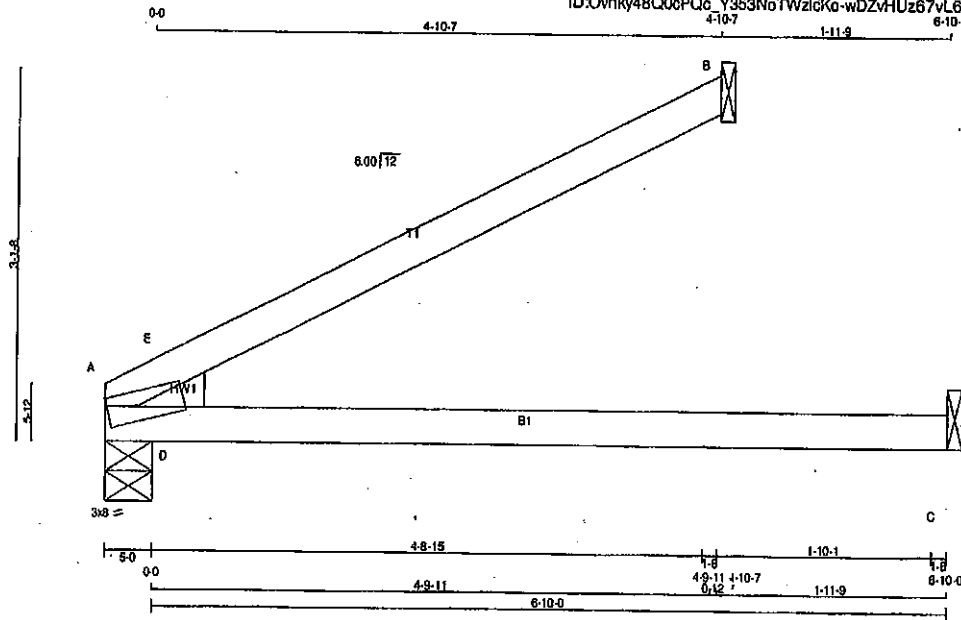


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	J34	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:Ovhky48Q0cPQc_Y353NoTWzicKo-wDZvHUz67vL67PLYGO4AuNZhki75IO1glsdHndzPZS

Scale = 1:17.9



TOTAL WEIGHT = 16 lb
(M/F)

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
	A	TBMH1-m	MT20	3.0	8.0	Edge

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX	HEEL WEDGE
	VERT	HORZ	DOWN	HORZ			
A	314	0	314	0	5-0	5-0	2x4 L
B	225	0	225	0	1-8	1-8	
C	80	0	80	0	1-8	1-8	

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

UNFACTORED REACTIONS

JT	1ST LOASE COMBINED	MAX/MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
A	223	140/0	0/0	0/0	0/0	83/0	0/0
B	157	117/0	0/0	0/0	0/0	40/0	0/0
C	81	13/0	0/0	0/0	0/0	48/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CS1 (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CS1 (LC)		
FR-TO		FROM TO			FR-TO				
A-E	-73 / 0	-91.8 -91.8	0.12 (4)	8.25	D-E	-143 / 92	0.00 (1)		
E-B	0 / 7	-91.8 -91.8	0.38 (1)	10.00					
A-D	0 / 0	-18.5 -18.5	0.17 (1)	10.00					
D-C	0 / 0	-18.5 -18.5	0.23 (1)	10.00					

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
DL = 6.0 PSF
ROT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. OC

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBCO 2018, CBCO 2012, ABC 2019
- PART 9 OF CBCO 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.24")
CALCULATED VERT. DEFL. (LL) = L/989 (0.08")
ALLOWABLE DEFL. (TL) = L/360 (0.24")
CALCULATED VERT. DEFL. (TL) = L/455 (0.19")

CSI: TC=0.38/1.00 (B-E:1), BC=0.23/1.00 (C-D:1), WB=0.00/1.00 (D-E:1), SS=0.16/1.00 (B-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

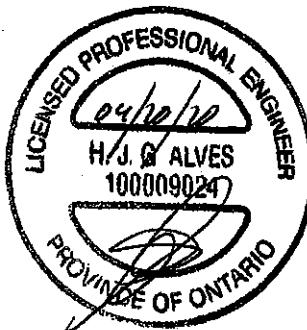
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.15 (A) (INPUT = 0.90)
JSI METAL = 0.02 (A) (INPUT = 1.00)



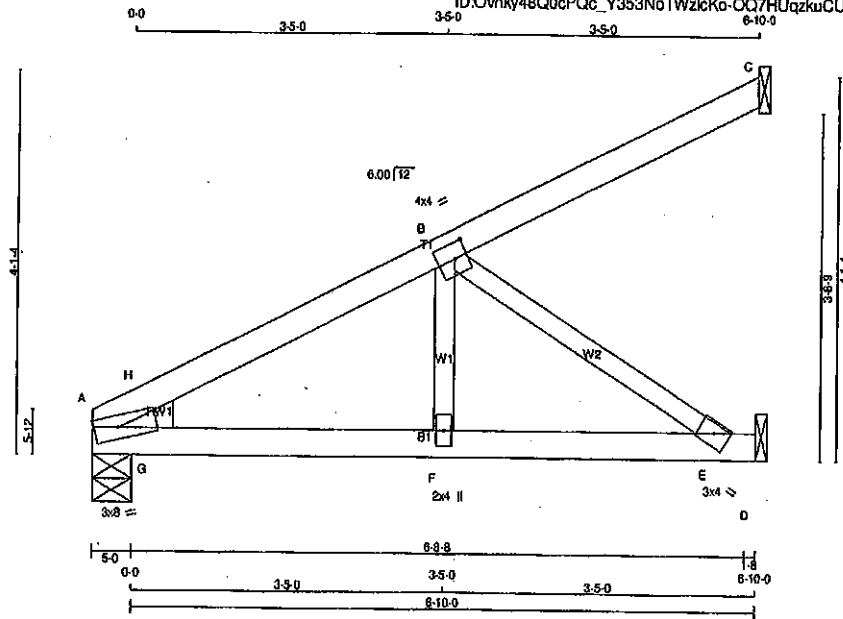
Structural component only
DWG# T-2006485

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	J35	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 9.310 S Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 08:44:18 2020 Page 1
ID:Ovhy48Q0cPQc_Y353NoTWzicKo-QQ7HUqzkuCUzkZw8m5bPQb5wZ6LI1pBqXWMqJ9zPlZR

Scale = 1:22.7



<u>LUMBER</u>					
N. L. G. A. RULES					
CHORDS		SIZE	LUMBER		DESCR
A - C	2x4	DRY	No.2	SPF	
A - D	2x4	DRY	No.2	SPF	
ALL WEBS		2x3	DRY	No.2	SPF
DRY: SEASONED LUMBER.					

PLATES (table is in inches)						
JT	TYPE	PLATES	W	LEN	Y	X
A	TBMH1-m	MT20	3.0	8.0		Edge
B	TMWV-t	MT20	4.0	4.0	2.00	1.75
E	BMW+w	MT20	3.0	4.0		
F	BMW+w	MT20	2.0	4.0		

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG	HEEL WEDGE
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
A	400	0	400	0	0
C	125	0	125	0	0
D	275	0	275	0	0

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

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
A	263	185 / 0	0 / 0	0 / 0	0 / 0	97 / 0	0 / 0
C	86	69 / 0	0 / 0	0 / 0	0 / 0	17 / 0	0 / 0
D	196	118 / 0	0 / 0	0 / 0	0 / 0	80 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED MEMB. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	LC2 MAX	MEMB. FORCE (LBS)	MAX. FACTORED MEMB. FORCE (LBS)	CS1 (LC)	UNBRACED LENGTH	FR-TO
A-H	-517 / 0	-91.8	-91.8	0.02 (1)	6.25	F-B	0 / 147	0.04 (4)	
H-B	-461 / 0	-91.8	-91.8	0.12 (1)	6.25	B-E	-518 / 0	0.13 (1)	
B-C	-14 / 0	-91.8	-91.8	0.11 (1)	6.25	G-H	-61 / 16	0.00 (1)	
A-G	0 / 424	-18.5	-18.5	0.13 (1)	10.00				
G-F	0 / 424	-18.5	-18.5	0.14 (1)	10.00				
F-E	0 / 424	-18.5	-18.5	0.24 (1)	10.00				
E-D	0 / 0	-18.5	-18.5	0.17 (1)	10.00				

TOTAL WEIGHT = 3 X 23 = 68 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 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 2010, NBC 2012, ABC 2010
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.24")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.24")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CS1: TC=0.12/1.00 (B-H:1), BC=0.24/1.00 (E-F:1), WB=0.13/1.00 (B-E:1), SS=0.21/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.35 (E) (INPUT = 0.80)
JSI METAL = 0.19 (E) (INPUT = 1.00)



Structural component only
DWG# T-2006486

LUL/LUS/LJS/HUS/HHUS/HGUS**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:

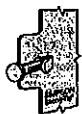
- Use all specified fasteners; see General Notes.
- Nails must be driven at an angle through the joist or truss into the header to achieve the tabulated resistances (except LUL).
- Where 16d commons are specified, 10d commons may be used at 0.83 of the tabulated factored resistance.
- Not designed for 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 0.64 of the table value where 16d nails are specified and 0.77 where 10d nails are specified.

Options:

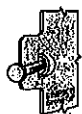
- LUS, LJS, LUL and HUS hangers cannot be modified.
- Other sizes available; consult your Simpson Strong-Tie representative.
- See Hanger Options information on p. 126.



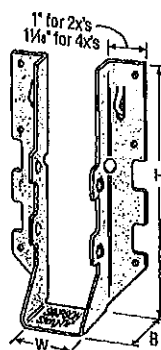
Double-Shear
Nailing
Top View



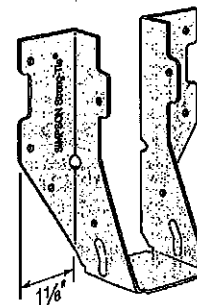
Double-Shear
Nailing
Side View;
Do not
bend tab



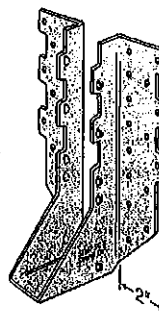
Dome Double-Shear
Nailing Side View
(available on
some models)
U.S. Patent 5,603,580



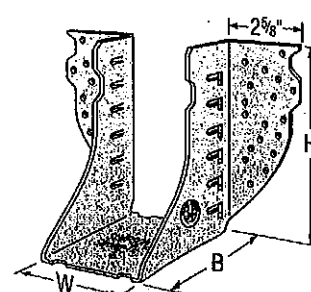
✓ LUS26



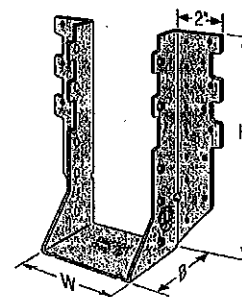
LU26L



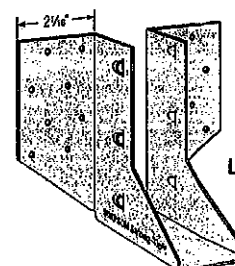
✓ HUS210
(HUS26, HUS28,
and HHUS similar)



✓ HGUS28-2

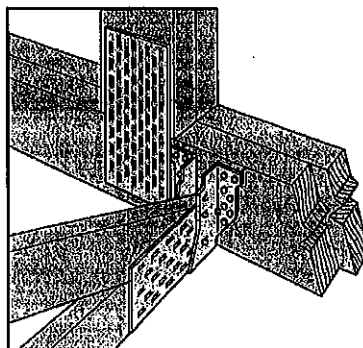


✓ HHUS210-2



LJS26DS

Typical HUS26
Installation
with Reduced
Heel Height
(Truss Designer
to provide
fastener quantity
for connecting
multiple members
together)



Plated Truss Connectors

LUL/LUS/LJS/HUS/HHUS/HGUS

HHUS/HGUS

See Hanger Options information on pp. 125–127.

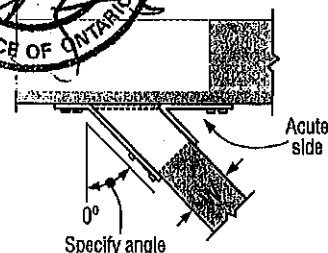
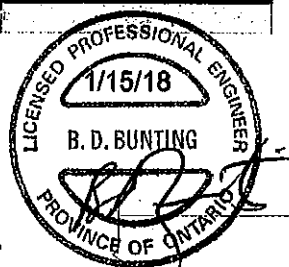
HHUS — Sloped and/or Skewed Seat

- 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	0.62 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 Resistance			
		W	H	B	d _g ¹	Header	Joist	D-Fir-L		S-P-F	
								Uplift	Normal	Uplift	Normal
								(K _D = 1.15) lb. kN	(K _D = 1.00) lb. kN	(K _D = 1.15) lb. kN	(K _D = 1.00) lb. kN
Single 2x Sizes											
LUS24	18	1 1/8	3 1/2	1 1/4	2 1/4	(4) 10d	(2) 10d	710 3.16	1625 7.23	645 2.87	1155 5.14
LU24L	22	1 1/8	3	1 1/4	2 1/8	(4) 10d	(2) 10d x 1 1/2"	360 1.60	1020 4.54	320 1.42	725 3.22
LU26L	22	1 1/8	5	1 1/4	4 1/4	(6) 10d	(4) 10d x 1 1/2"	720 3.20	1605 7.14	645 2.87	1140 5.07
LUS26	18	1 1/8	4 3/4	1 1/4	3 3/4	(4) 10d	(4) 10d	1420 6.32	2170 9.65	1290 5.74	1630 7.25
HUS26	16	1 1/8	5 1/2	3	3 1/8	(14) 16d	(6) 16d	2705 11.30	4940 21.97	2065 9.20	3875 17.24
LJS26DS	18	1 1/8	5	3 1/2	4 1/4	(16) 16d	(8) 16d	2055 9.14	4265 18.97	1460 6.49	4115 18.31
HGUS26	12	1 1/8	5 1/2	5	4 1/4	(20) 16d	(8) 16d	2685 11.96	6625 29.51	2685 11.96	5700 25.35
LU28L	20	1 1/8	6 3/4	1 1/4	5 1/4	(8) 10d	(6) 10d x 1 1/2"	1140 5.07	2185 9.72	1020 4.54	1550 6.89
LUS28	18	1 1/8	6 3/4	1 1/4	3 3/4	(6) 10d	(4) 10d	1420 6.32	2520 11.21	1290 5.74	1790 7.96
HUS28	16	1 1/8	7 1/2	3	6 1/8	(22) 16d	(8) 16d	3605 16.04	5365 23.86	2675 11.90	4345 19.33
HGUS28	12	1 1/8	7 1/2	5	6 3/4	(36) 16d	(12) 16d	3310 14.74	7675 34.19	3310 14.74	6900 30.73
LU210L	20	1 1/8	8	1 1/4	7 1/4	(10) 10d	(6) 10d x 1 1/2"	1140 5.07	2495 11.10	1020 4.54	1770 7.87
LUS210	18	1 1/8	7 1/2	1 1/4	3 3/4	(8) 10d	(4) 10d	1420 6.32	2785 12.39	1290 5.74	2210 9.83

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.

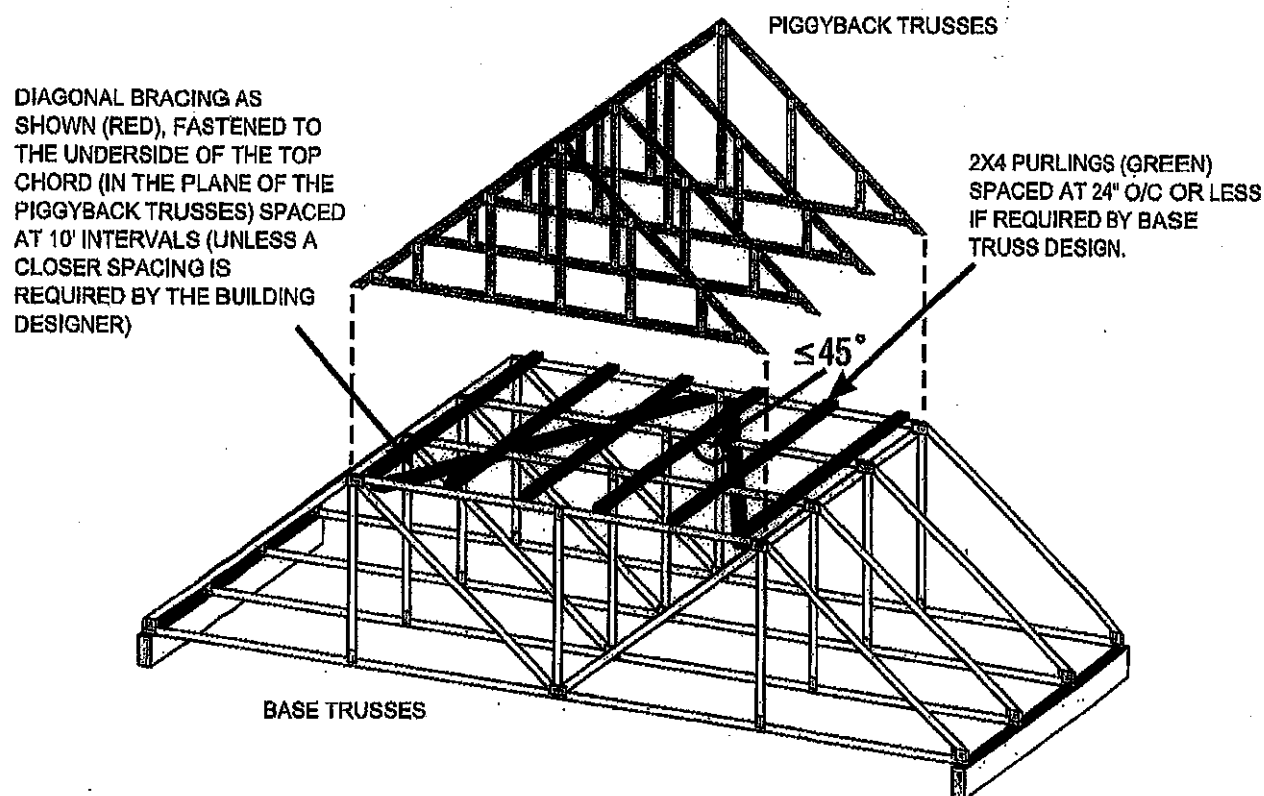
Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance					
		W	H	B	d _e ³	Header	Joist	D,Flr-L		S-P-F			
								Uplift	Normal	Uplift	Normal		
								(K _D = 1.15) lb.	(K _D = 1.00) lb.	(K _D = 1.15) lb.	(K _D = 1.00) lb.		
kN													
Double 2x Sizes													
LUS24-2	18	3 1/8	3 1/8	2	1 1/2	(4) 16d	(2) 16d	835	2020	590	1435		
								3.71	8.99	2.62	6.38		
								1720	2595	1545	1920		
LUS26-2	18	3 1/8	4 1/8	2	4	(4) 16d	(4) 16d	7.65	11.54	6.87	8.54		
								2850	7335	2065	5205		
								12.68	32.63	9.20	23.15		
HHUS26-2	14	3 1/8	5 1/8	3	3 1/8	(14) 16d	(6) 16d	4385	8950	3110	6355		
								19.51	39.81	13.83	28.27		
								1720	3325	1545	2575		
HGUS26-2	12	3 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355		
								19.51	39.81	13.83	28.27		
								1720	3325	1545	2575		
LUS28-2	18	3 1/8	7	2	4	(6) 16d	(4) 16d	7.65	14.79	6.87	11.45		
								3765	8940	2675	6345		
								16.75	39.77	11.90	28.22		
HHUS28-2	14	3 1/8	7 1/8	3	6 1/8	(22) 16d	(8) 16d	3765	8940	2675	6345		
								16.75	39.77	11.90	28.22		
								6070	12980	4310	9215		
HGUS28-2	12	3 1/8	7 1/8	4	8 1/8	(36) 16d	(12) 16d	27.00	57.74	19.17	40.99		
								27.00	57.74	19.17	40.99		
								27.00	57.74	19.17	40.99		
LUS210-2	18	3 1/8	9	2	6	(8) 16d	(6) 16d	2580	4500	2320	3195		
								11.48	20.02	10.32	14.21		
								4670	9660	4235	7000		
HHUS210-2	14	3 1/8	9 1/8	3	8	(30) 16d	(10) 16d	20.77	42.97	18.84	31.14		
								6840	14015	4855	10270		
								30.43	62.34	21.60	45.69		
HGUS210-2	12	3 1/8	9 1/8	4	8 1/8	(46) 16d	(16) 16d	6840	14015	4855	10270		
								30.43	62.34	21.60	45.69		
								6840	14015	4855	10270		
Triple 2x Sizes													
HGUS28-3	12	4 1/8	5 1/2	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355		
								19.51	39.81	13.83	28.27		
								6070	12980	4310	9215		
HGUS28-3	12	4 1/8	7 1/4	4	6 3/8	(36) 16d	(12) 16d	6070	12980	4310	9215		
								27.00	57.74	19.17	40.99		
								27.00	57.74	19.17	40.99		
HHUS210-3	14	4 1/8	9	3	7 1/8	(30) 16d	(10) 16d	4670	9670	4235	6865		
								20.77	43.02	18.84	30.54		
								6840	14645	4855	10400		
HGUS210-3	12	4 1/8	9 1/4	4	8 3/8	(46) 16d	(16) 16d	6840	14645	4855	10400		
								30.43	65.14	21.60	46.26		
								6840	14645	4855	10400		
Quadruple 2x Sizes													
HGUS26-4	12	6 3/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355		
								19.51	39.81	13.83	28.27		
								6070	12980	4310	9215		
HGUS28-4	12	6 3/8	7 1/8	4	6 3/8	(36) 16d	(12) 16d	6070	12980	4310	9215		
								27.00	57.74	19.17	40.99		
								27.00	57.74	19.17	40.99		
HHUS210-4	14	6 3/8	8 1/8	3	7 1/8	(30) 16d	(10) 16d	4670	10155	4235	7210		
								20.77	45.17	18.84	32.07		
								6840	14645	4855	10400		
HGUS210-4	12	6 3/8	9 3/8	4	8 3/8	(46) 16d	(16) 16d	6840	14645	4855	10400		
								30.43	65.14	21.60	46.26		
								6840	14645	4855	10400		
HGUS212-4	12	6 3/8	10 3/8	4	10 3/8	(56) 16d	(20) 16d	7640	14995	5425	10645		
								33.98	66.70	24.13	47.35		
								10130	16400	7195	11645		
HGUS214-4	12	6 3/8	12 3/8	4	11 3/8	(66) 16d	(22) 16d	10130	16400	7195	11645		
								45.06	72.95	32.00	51.80		
								10130	16400	7195	11645		
4x Sizes													
LUS46	18	3 1/8	4 3/4	2	3 1/8	(4) 16d	(4) 16d	1720	2595	1545	1920		
								7.65	11.54	6.87	8.54		
								2540	7335	2065	5205		
HHUS46	14	3 1/8	5 1/4	3	3 1/8	(14) 16d	(6) 16d	11.30	32.63	9.20	23.15		
								4385	8950	3110	6355		
								19.51	39.81	13.83	28.27		
HGUS46	12	3 1/8	5 1/4	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355		
								19.51	39.81	13.83	28.27		
								1720	3325	1545	2575		
LUS48	18	3 1/8	6 3/4	2	3 1/8	(6) 16d	(4) 16d	7.65	14.79	6.87	11.45		
								3765	8940	2675	6345		
								16.75	39.77	11.90	28.22		
HHUS48	14	3 1/8	7 1/8	3	6 1/8	(22) 16d	(8) 16d	3765	8940	2675	6345		
								16.75	39.77	11.90	28.22		
								6070	12980	4310	9215		
HGUS48	12	3 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d	27.00	57.74	19.17	40.99		
								27.00	57.74	19.17	40.99		
								27.00	57.74	19.17	40.99		
LUS410	18	3 1/8	8 3/4	2	5 1/8	(8) 16d	(6) 16d	2580	4500	2320	3195		
								11.48	20.02	10.32	14.21		
								4670	9660	4235	7000		
HGUS410	12	3 1/8	9	4	8 1/8	(46) 16d	(16) 16d	6840	14015	4855	10270		
								30.43	62.34	21.60	45.69		
								6840	14015	4855	10270		
HGUS412	12	3 1/8	10 3/8	4	10 1/8	(56) 16d	(20) 16d	7640	14995	5425	10645		
								33.98	66.70	24.13	47.35		
								10130	16400	7195	11645		
HGUS414	12	3 1/8	12 3/8	4	11 1/8	(66) 16d	(22) 16d	10130	16400	7195	11645		
								45.06	72.95	32.00	51.80		
								10130	16400	7195	11645		

Overview:

Where piggybacks are connected overtop of base trusses, 2x4 purlins must be first added to the flat portion of the base truss at a spacing no more than 24" o/c. These purlins not only provide support for the piggyback trusses above, but are required to laterally support the top chord of the base truss which will not have the sheathing directly connected to the flat portion of the base truss. This ensures the top chord, most often in compression, will not buckle laterally.

Further, the purlins in the plane of the flat portion require diagonal bracing to prevent lateral displacement of the purlins themselves where under certain conditions, the trusses may in fact all buckle in the same direction if this additional bracing is not added in the plane of the purlins.

Detail:



NOTE: THE SLOPED PORTION OF THE TOP CHORD OF THE BASE TRUSS AND PIGGYBACK TRUSS IN THIS SKETCH IS ASSUMED TO BE SHEATHED IN ACCORDANCE WITH THE OBC.

SKETCH FROM BCSI-CANADA 2013

Disclaimer:

OWTFA Tech Notes are intended to provide guidance to the design community both within the membership as well as to third party designers who might benefit from the information. The details have been developed by the OWTFA technical committee and although there may be professional engineers involved in development, the information contained in the tech-note are not intended to be used without having a professional engineer review the information for a specific application. The OWTFA takes no responsibility with respect to the information provided but has developed this tech-note to offer guidance where it is not currently readily available.

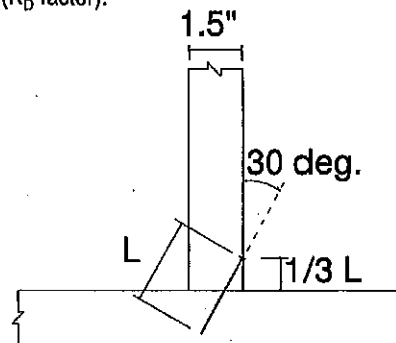
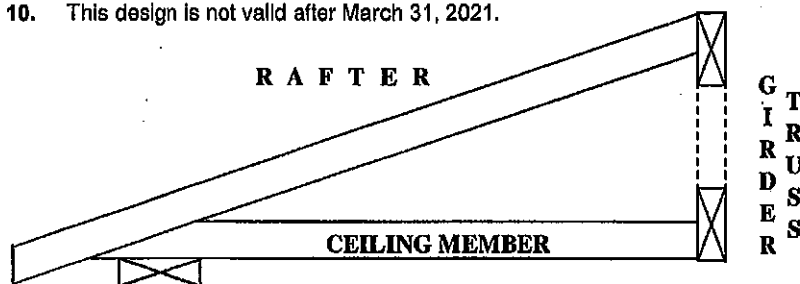
BEARING ANCHORAGE BY TOE-NAILS FOR LATERAL CAPACITY

B97791H1

NAIL TYPE	LENGTH (IN)	DIAMETER (IN)	NAIL LATERAL CAPACITY (LB)	
			S-P-F	D. FIR
COMMON WIRE	3.00	0.144	132	147
	3.25	0.144	132	147
	3.50	0.160	159	177
COMMON SPIRAL	3.00	0.122	97	108
	3.25	0.122	97	108
	3.50	0.152	145	162

NOTES:

1. Rafter and ceiling members may be anchored to top and bottom chords of girder truss by toe-nailing rafter and ceiling members to girder chords provided the reaction does not exceed the lateral capacities in the table. Hangers (specified by others) are required for reactions higher than the maximum toe-nail capacity. Reactions are based on factored loads.
2. Toe nail capacities shown in the table are for **one** toe-nail. For additional toe-nails multiply values in table by the number of toe-nails used. Toe-nail capacities take into account toe-nailing factor J_A in CSA O86-14, section 12.9.4.1.
3. For 9- 3/4 gauge 3.25" common wire gun nails (diameter = 0.120") use 3" common spiral nail values.
4. Maximum number of toe-nails allowed depends on the lumber size & species to be toe-nailed to supporting member and nail diameter, as shown in tables below.
5. Nail values in table are based on the following relative lumber densities: G = 0.42 (SPF), G = 0.49 (D. Fir).
6. Toe-nails shall be driven at approximately 1/3 the nail length from the edge of the joist/truss chord and driven at an angle of 30° to the grain of the member (See next page for nailing on bearing plate).
7. For loads due to wind the nail lateral capacity in this table may be multiplied by 1.15 (K_D factor).
8. Lumber must be dry (< 19% moisture content) at the time of nail installation.
9. Nail values in this table comply with CSA O86-14, section 12.9.4
10. This design is not valid after March 31, 2021.



TOE-NAIL INSTALLATION

Nail type	Common wire	Common spiral	Common wire	Common spiral
Nail dia. (in)	0.160	0.152	0.144	0.122
	(3.5" nail)		(3" and 3.25" nail)	
LUMBER SIZE	MAXIMUM NUMBER OF TOE-NAILS			
2X4 SPF	2	2	3	3
2X4 D. Fir	2	2	2	2
2X6 SPF	4	4	4	5
2X6 D. Fir	3	3	3	4

MiTek® MiTek Canada Inc
100 Industrial Rd.
Bradford, Ontario L3Z 3G7

December 2, 2019

BEARING ANCHORAGE BY TOE-NAILS FOR WIND LOADING

B97791H2

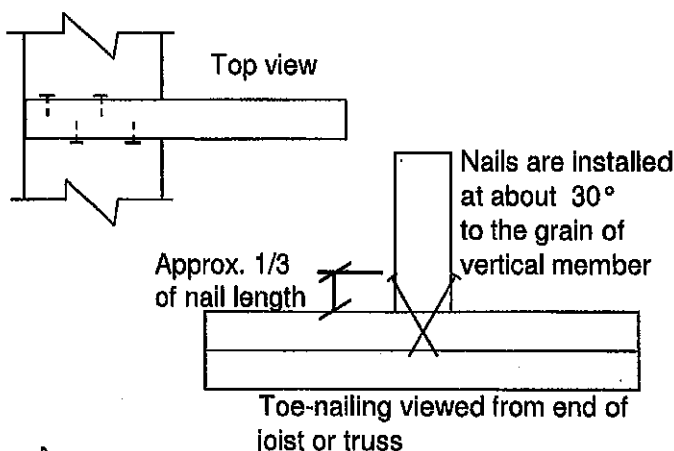
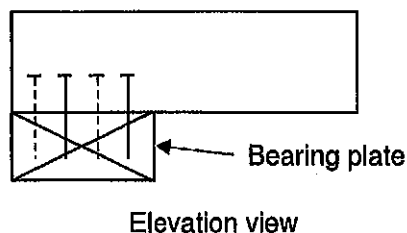
NAIL TYPE	LENGTH (IN)	DIAMETER (IN)	NAIL WITHDRAWAL CAPACITY (LB)	
			S-P-F	D. FIR
COMMON WIRE	3.00	0.144	30	42
	3.25	0.144	32	45
	3.50	0.160	38	52
COMMON SPIRAL	3.00	0.122	26	36
	3.25	0.122	28	40
	3.50	0.152	36	50

Note: If using truss with D. Fir lumber and S-P-F bearing plate, use values in table for S-P-F.

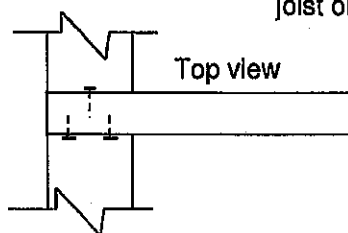
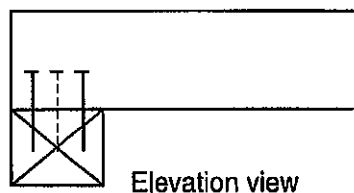
NOTES:

1. Truss chord, rafter, or ceiling members may be anchored to bearing plate by toe-nails, provided that the actual factored uplift force due to **wind** or **earthquake** load does not exceed the withdrawal capacities in the table. Hangers (specified by others) are required for uplift forces that are higher than the maximum toe-nail withdrawal capacity.
2. Toe nail capacities shown in the table are for **one** toe-nail. For additional toe-nails multiply values in table by the number of toe-nails used. Toe-nail capacities take into account toe-nailing factor J_A in CSA O86-14, section 12.9.5.2.
3. For 9- 3/4 gauge 3.25" common wire gun nails (diameter = 0.120") use 3" common spiral nail values.
4. Maximum number of toe-nails allowed depends on the lumber size & species to be toe-nailed to supporting member and nail diameter, as shown in table above.
5. Nail values in table are based on the following relative lumber densities: $G = 0.42$ (SPF), $G = 0.49$ (D. Fir).
6. Toe-nails shall be driven at approximately 1/3 the nail length from the edge of the joist/truss chord and driven at an angle of 30° to the grain of the member (See drawing on detail B37579H1).
7. Lumber must be dry (< 19% moisture content) at the time of nail installation.
8. Nail values in this table comply with CSA O86-14, section 12.9.5
9. This design is not valid after March 31, 2021.

Toe-nailing on 2x6 Bearing Plate



Toe-nailing on 2x4 Bearing Plate



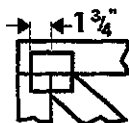
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MiTek Canada Inc
100 Industrial Rd.
Bradford, Ontario L3Z 3G7

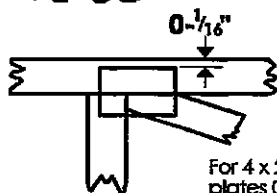
December 2, 2019

Symbols

PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0-1/16" from outside edge of truss.



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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING LOCATION



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

BEARING

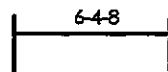


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

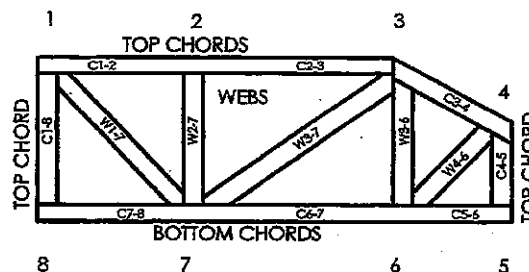
Industry Standards:

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

Numbering System



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



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

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

PRODUCT CODE APPROVALS

CCMC Reports:

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

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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



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 MII7473C REV.10-08 attached for information on symbols, numbering system and General Safety notes.

T-1800213

Feb 09, 2018