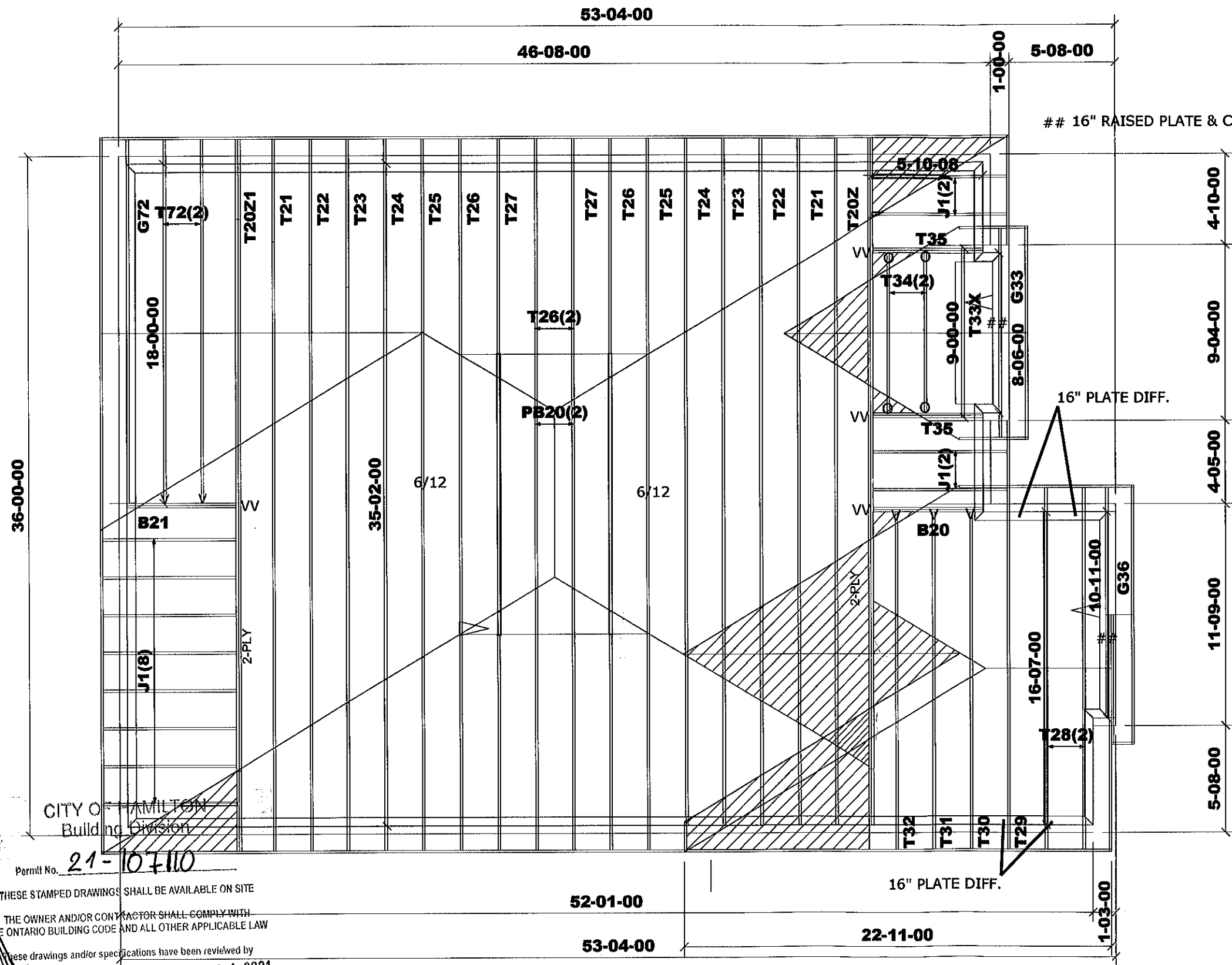


10/12 roof pitch unless noted



ASPHALT SHINGLES
FINISHED OVERHANG: 12"
2x6 EXTERIOR WALLS
2x6 FASCIA BOARD
HEEL: R.T.M.C.

All conventional framing to conform with Part 9 of O.B.C. 2012 (2019 amendment). Roof rafters that cross over or meet trusses to be min. 2x4 SPF #2 @ 24" o/c with a vertical post to the truss at each cross point. Vertical posts longer than 6' to have lateral bracing so that the distance between the post end points and lateral bracing does not exceed 6'.

DESIGN CONFORMS WITH OBC 2012 (2019 amendment) OCCUPANCY: RESIDENTIAL | PART: 9
Ss = 31.35 psf | Sr = 8.4 psf

DESIGN LOADS:
TCSL = 25.6 psf
TCDL = 6.0 psf
BCLL = 0.0 psf
BCDL = 7.4 psf

HARDWARE:
LUS24 - (O)
LJS26DS - (V)
LUS26-2-(VV)

BEAMS:
B20 = B21 = 2 - 2x10 SPF #2

 DENOTES:
CONVENTIONAL
FRAMING

CITY OF HAMILTON
Building Division
Permit No. 21-107110

THESE STAMPED DRAWINGS SHALL BE AVAILABLE ON SITE
THE OWNER AND/OR CONTRACTOR SHALL COMPLY WITH
THE ONTARIO BUILDING CODE AND ALL OTHER APPLICABLE LAW
These drawings and/or specifications have been reviewed by
MAR 01 2021
DATE
FOR CHIEF BUILDING OFFICIAL



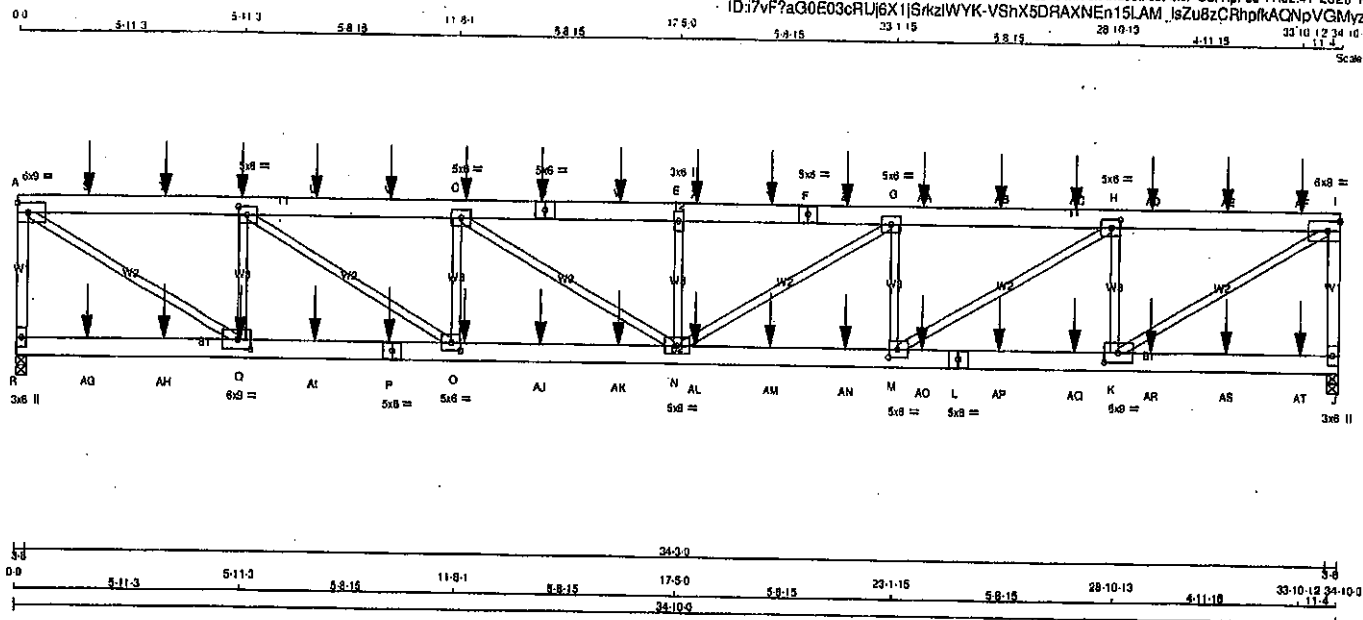
Job Track: 51225
Plan Log: 202401
Layout ID: 415061

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

Model / Elevation:
MOUNTAINASH 4-339 / 2-std or opt.

Mike ver 8.3.3.247

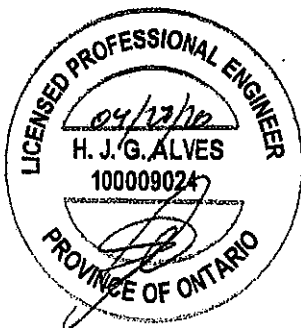
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SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERRING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

AG	0.0	-18.5	-18.5	0.08 (4)	10.00
AG-AH	0.0	-18.5	-18.5	0.08 (4)	10.00
AH-Q	0.0	-18.5	-18.5	0.08 (4)	10.00
Q-AI	-0.4328	-18.5	-18.5	0.08 (4)	10.00
I-P	-0.4328	-18.5	-18.5	0.33 (1)	10.00
P-O	-0.4328	-18.5	-18.5	0.33 (1)	10.00
O-AJ	0.8698	-18.5	-18.5	0.33 (1)	10.00
AJ-AK	0.6698	-18.5	-18.5	0.49 (1)	10.00
K-N	0.6698	-18.5	-18.5	0.49 (1)	10.00
N-AL	0.6698	-18.5	-18.5	0.49 (1)	10.00
AL-AM	0.6698	-18.5	-18.5	0.49 (1)	10.00
AM-AN	0.6698	-18.5	-18.5	0.49 (1)	10.00
AN-M	0.6698	-18.5	-18.5	0.49 (1)	10.00
M-MAO	0.4330	-18.5	-18.5	0.33 (1)	10.00
AO-L	0.4330	-18.5	-18.5	0.33 (1)	10.00
L-AP	0.4330	-18.5	-18.5	0.33 (1)	10.00
AP-AQ	0.4330	-18.5	-18.5	0.33 (1)	10.00
AQ-K	0.4330	-18.5	-18.5	0.33 (1)	10.00

JSI GRIP= 0.68 (K) (INPUT = 0.90)
JSI METAL= 0.42 (P) (INPUT = 1.00)



Structural component only
DWG# T-2007063 1/1

JOB NAME 408150	TRUSS NAME T1	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.310 S Oct 29 2019 MIT ax Industries, Inc. Sat Apr 25 11:02:47 2020 Page 2
ID:7vF7aG0E03cRUj8XtjSrkzWYK-VShX5DRAXNEn15LAM IsZu8zCRhplkAQNpVGMv2NCnc

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-1	MT20	6.0	9.0		Edge
B	TMVW-1	MT20	5.0	6.0	2.50	2.75
C	TMVW-1	MT20	5.0	6.0		
D	TS-1	MT20	5.0	6.0		
E	TMVW-w	MT20	3.0	6.0		
F	TS-1	MT20	5.0	6.0		
G	TMVW-1	MT20	5.0	6.0		
H	TMVW-1	MT20	5.0	6.0	2.50	2.75
I	TMVW-1	MT20	6.0	9.0		Edge
J	BMV1-p	MT20	3.0	6.0		
K	BMVW-1	MT20	6.0	9.0	3.00	4.25
L	BS-1	MT20	5.0	6.0		
M	BMVW-1	MT20	5.0	6.0	2.50	2.75
N	BMVW-1	MT20	5.0	6.0		
O	BMVW-1	MT20	5.0	6.0	2.50	2.75
P	BS-1	MT20	5.0	6.0		
Q	BMVW-1	MT20	6.0	9.0	3.00	4.25
R	BMV1-p	MT20	3.0	6.0		

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CSI (LC)
FR-TO		FROM TO		FR-TO		FROM TO	
K-AR	0.0	-18.5	-18.5 0.06 (4)	10.00			
AR-AS	0.0	-18.5	-18.5 0.06 (4)	10.00			
AS-AT	0.0	-18.5	-18.5 0.06 (4)	10.00			
AT-J	0.0	-18.5	-18.5 0.06 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
B	5-10-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
C	11-10-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
D	13-10-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
O	11-10-12	-28	-26	---	FRONT	VERT	TOTAL	---	C1
P	9-10-12	-28	-26	---	FRONT	VERT	TOTAL	---	C1
Q	5-10-12	-28	-26	---	FRONT	VERT	TOTAL	---	C1
S	1-10-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
T	3-10-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
U	7-10-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
V	9-10-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
W	15-10-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
X	17-10-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Y	19-10-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Z	21-10-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AA	23-10-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AB	25-10-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AC	27-10-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AD	29-10-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AE	31-10-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AF	33-10-12	-113	-113	---	FRONT	VERT	TOTAL	---	C1
AG	1-10-12	-28	-26	---	FRONT	VERT	TOTAL	---	C1
AH	3-10-12	-28	-26	---	FRONT	VERT	TOTAL	---	C1
AI	7-10-12	-28	-26	---	FRONT	VERT	TOTAL	---	C1
AJ	13-10-12	-28	-26	---	FRONT	VERT	TOTAL	---	C1
AK	15-10-12	-28	-26	---	FRONT	VERT	TOTAL	---	C1
AL	17-10-12	-28	-26	---	FRONT	VERT	TOTAL	---	C1
AM	19-10-12	-28	-26	---	FRONT	VERT	TOTAL	---	C1
AN	21-10-12	-28	-26	---	FRONT	VERT	TOTAL	---	C1
AO	23-10-12	-28	-26	---	FRONT	VERT	TOTAL	---	C1
AP	25-10-12	-28	-26	---	FRONT	VERT	TOTAL	---	C1
AQ	27-10-12	-28	-26	---	FRONT	VERT	TOTAL	---	C1
AR	29-10-12	-28	-26	---	FRONT	VERT	TOTAL	---	C1
AS	31-10-12	-28	-26	---	FRONT	VERT	TOTAL	---	C1
AT	33-10-12	-27	-27	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

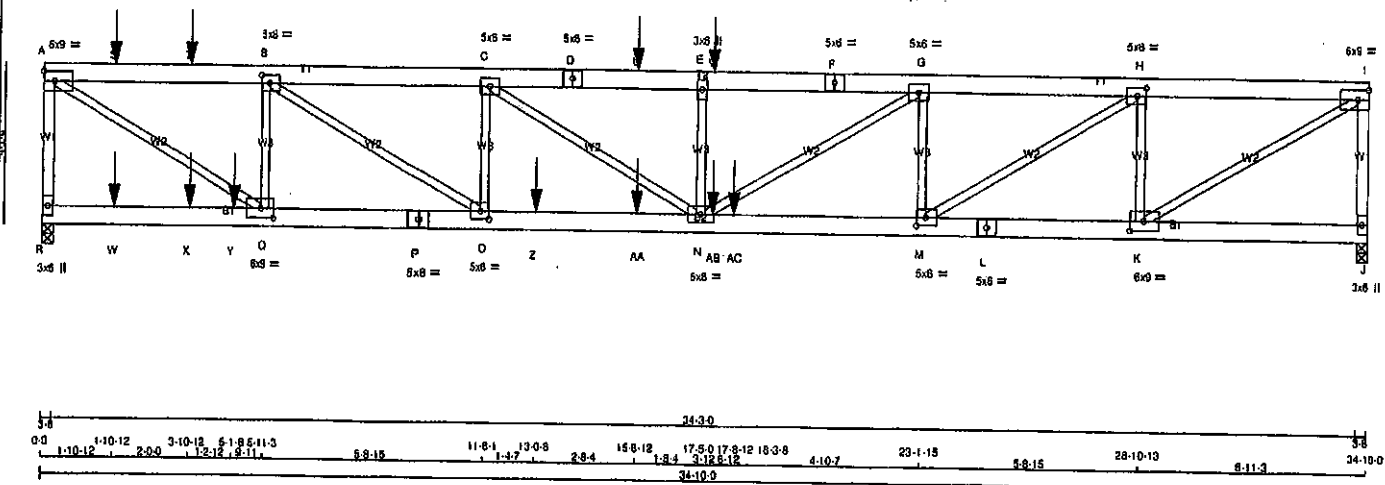
1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.



Structural component only
DWG# T-2007063 7/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408150	T1Z	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					

Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Sat Apr 25 11:02:48 2020 Page 1
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Scale = 1/4"



LUMBER	CHORDS	SIZE	DRY	LUMBER	DESCR.
N. L. G. A. RULES	R - A	2x4	DRY	No.2	SPF
	A - D	2x6	DRY	No.2	SPF
	D - F	2x6	DRY	No.2	SPF
	F - I	2x6	DRY	No.2	SPF
	J - L	2x4	DRY	No.2	SPF
	R - P	2x6	DRY	No.2	SPF
	P - L	2x6	DRY	No.2	SPF
	L - J	2x6	DRY	No.2	SPF

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

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122'x3") SPIRAL NAILS		
R - A	12	TOP
I - J	12	TOP
A - D	12	SIDE(0.0)
D - F	12	SIDE(183.1)
F - I	12	TOP
BOTTOM CHORDS: (0.122'x3") SPIRAL NAILS		
R - P	12	SIDE(0.0)
P - L	12	SIDE(183.1)
L - J	12	TOP
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.

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	IN-SX	IN-SX
R	4002	0	0	3-8
J	3192	0	0	3-8

UNFACTORED REACTIONS	1ST CASE	MAX/MIN COMPONENT REACTIONS	PERM LIVE	WIND	DEAD	SOIL
JT	COMBINED	SNOW	LIVE			
R	2824	1885 / 0	0 / 0	0 / 0	938 / 0	0 / 0
J	2212	1470 / 0	0 / 0	0 / 0	742 / 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 = 3.64 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. CSI (LC)	MAX. UNBRACED LENGTH	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
TOTAL LOAD CASES: (4)	FR-TO					FR-TO		
	R-A	-3851 / 0	0.0	0.0 0.44 (1)	6.01	K-I	0 / 5426	0.87 (1)
	A-S	-5722 / 0	-91.8	-91.8 0.25 (1)	4.72	A-Q	0 / 6717	0.83 (1)
	S-T	-5722 / 0	-91.8	-91.8 0.25 (1)	4.72	K-H	-2763 / 0	0.33 (1)
	T-B	-5722 / 0	-91.8	-91.8 0.25 (1)	4.72	Q-B	-2710 / 0	0.32 (1)
	B-C	-8846 / 0	-91.8	-91.8 -0.27 (1)	3.93	M-H	0 / 4038	0.60 (1)
	C-D	-10219 / 0	-91.8	-91.8 0.34 (1)	3.64	B-O	0 / 3700	0.46 (1)
	D-U	-10219 / 0	-91.8	-91.8 0.34 (1)	3.64	M-G	-1901 / 0	0.23 (1)
	U-E	-10219 / 0	-91.8	-91.8 0.34 (1)	3.64	O-C	-1400 / 0	0.17 (1)
	E-V	-10219 / 0	-91.8	-91.8 0.31 (1)	3.67	N-G	0 / 2591	0.32 (1)
	V-F	-10219 / 0	-91.8	-91.8 0.31 (1)	3.67	C-N	0 / 1826	0.20 (1)
	F-G	-10219 / 0	-91.8	-91.8 0.31 (1)	3.67	N-E	-710 / 0	0.08 (1)
	G-H	-8031 / 0	-91.8	-91.8 0.23 (1)	4.14			
	H-I	-4622 / 0	-91.8	-91.8 0.15 (1)	5.25			
	I-J	-3071 / 0	0.0	0.0 0.36 (1)	6.60			
	R-W	0 / 0	-18.5	-18.5 0.15 (1)	10.00			
	W-X	0 / 0	-18.5	-18.5 0.15 (1)	10.00			
	X-Y	0 / 0	-18.5	-18.5 0.15 (1)	10.00			
	Y-Q	0 / 0	-18.5	-18.5 0.15 (1)	10.00			
	Q-P	0 / 5722	-18.5	-18.5 0.44 (1)	10.00			
	P-O	0 / 5722	-18.5	-18.5 0.44 (1)	10.00			
	O-Z	0 / 8846	-18.5	-18.5 0.81 (1)	10.00			
	Z-AA	0 / 8846	-18.5	-18.5 0.81 (1)	10.00			
	AA-N	0 / 8846	-18.5	-18.5 0.81 (1)	10.00			
	N-AB	0 / 8031	-18.5	-18.5 0.74 (1)	10.00			
	AB-AC	0 / 8031	-18.5	-18.5 0.74 (1)	10.00			
	AC-M	0 / 8031	-18.5	-18.5 0.74 (1)	10.00			
	M-L	0 / 4622	-18.5	-18.5 0.33 (1)	10.00			
	L-K	0 / 4622	-18.5	-18.5 0.33 (1)	10.00			
	K-J	0 / 0	-18.5	-18.5 0.04 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)	LOC	LC1	MAX	MAX	FACE	DIR.	TYPE	HEEL	CONN.
JT	1-10-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
S	3-10-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
T	15-8-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
U	17-8-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
V	1-10-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
W	3-10-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
X	5-1-8	-727	-727	---	BACK	VERT	TOTAL	---	C1
Y	13-0-8	-727	-727	---	BACK	VERT	TOTAL	---	C1
Z	15-8-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AA	17-8-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AB				---	BACK	VERT	TOTAL	---	C1

TOTAL WEIGHT = 2 X 176 = 353 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

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, 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 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 26.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.16")
CALCULATED VERT. DEFL.(LL) = L/899 (0.28")
ALLOWABLE DEFL.(TL) = L/360 (1.16")
CALCULATED VERT. DEFL.(TL) = L/828 (0.50")

CSI: TC=0.44/1.00 (A-R:1), BC=0.61/1.00 (N-O:1)
WB=0.83/1.00 (A-Q:1), SS=0.41/1.00 (M-N:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(P) (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 = 0.88 (M) (INPUT = 0.90)
JSI METAL = 0.50 (P) (INPUT = 1.00)



Structural component only
DWG# T-2007084 1/2

CONTINUED ON PAGE 2

JOB NAME 408150	TRUSS NAME T1Z	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Sat Apr 25 11:02:49 2020 Page 2
ID:17vF7aG0E03cRUl8X1iSkzIWYK-SrplVvTQ3 UVGPVZTPnKaJDIEFIF7bWlq7 NRrzNCna

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	6.0	9.0		Edge
B	TMVW-t	MT20	5.0	6.0	2.50	2.75
C	TMVW-t	MT20	5.0	6.0		
D	TS-t	MT20	5.0	6.0		
E	TMVW-w	MT20	3.0	6.0		
F	TS-t	MT20	5.0	6.0		
G	TMVW-t	MT20	5.0	6.0		
H	TMVW-t	MT20	5.0	6.0	2.50	2.75
I	TMVW-t	MT20	6.0	9.0		Edge
J	BMV1-p	MT20	3.0	6.0		
K	BMVW-t	MT20	6.0	9.0	3.00	4.25
L	BS-t	MT20	6.0	6.0		
M	BMVW-t	MT20	5.0	6.0	2.50	2.75
N	BMVW-t	MT20	6.0	6.0		
O	BMVW-t	MT20	5.0	6.0	2.50	2.75
P	BS-t	MT20	5.0	6.0		
Q	BMVW-t	MT20	6.0	9.0	3.00	4.25
R	BMV1-p	MT20	3.0	6.0		

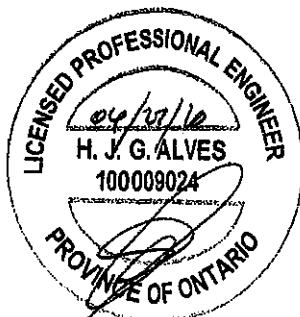
Edge - INDICATES REFERENCE CORNER OF PLATE
TOUCHES EDGE OF CHORD.

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
AC	18-3-8	-1293	-1293	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

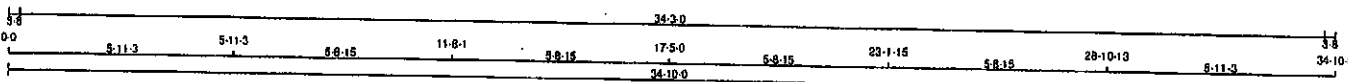
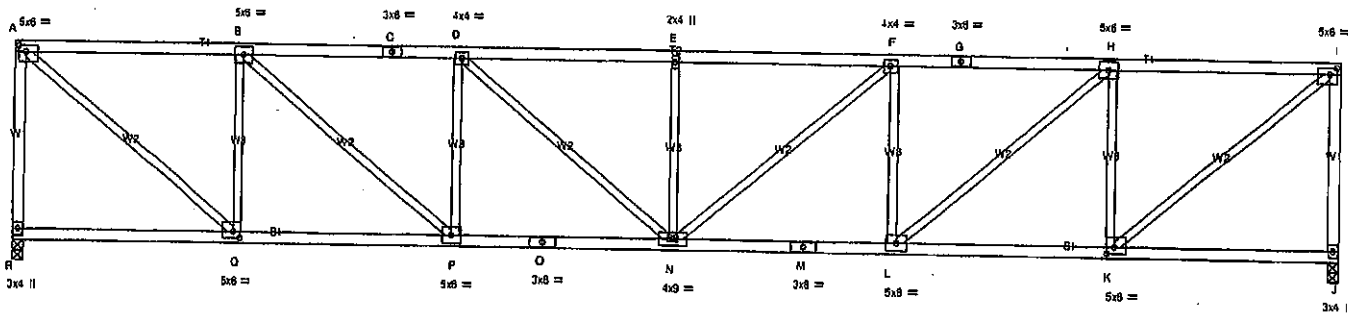
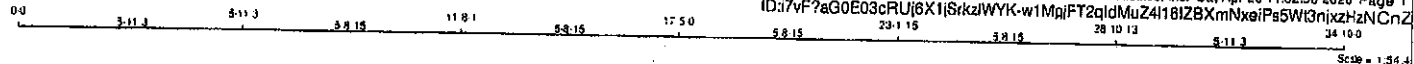


Structural component only
DWG# T-2007064 72

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRAWG NO.
408150	T2	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - A	2x4	DRY	No.2
A - C	2x4	DRY	No.2
C - G	2x4	DRY	No.2
G - I	2x4	DRY	No.2
I - J	2x4	DRY	No.2
J - O	2x4	DRY	No.2
O - M	2x4	DRY	No.2
M - J	2x4	DRY	No.2

ALL WEBS 2x3 DRY
DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-1	MT20	5.0	8.0	2.00	2.25
B	TMVW-1	MT20	5.0	6.0		
C	TS-1	MT20	3.0	6.0		
D	TMVW-1	MT20	4.0	4.0		
E	TMVW-1	MT20	2.0	4.0		
F	TMVW-1	MT20	4.0	4.0		
G	TS-1	MT20	3.0	6.0		
H	TMVW-1	MT20	5.0	6.0		
I	TMVW-1	MT20	5.0	8.0	2.00	2.25
J	BMV1+p	MT20	3.0	4.0		
K	BMVW-1	MT20	5.0	6.0	2.00	2.25
L	BMVW-1	MT20	5.0	6.0		
M	BS-1	MT20	3.0	6.0		
N	BMVW-1	MT20	4.0	6.0		
O	BS-1	MT20	3.0	6.0		
P	BMVW-1	MT20	5.0	6.0		
Q	BMVW-1	MT20	5.0	6.0	2.00	2.25
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
R	1920	0	1920	0	0
J	1920	0	1920	0	0

UNFACTORED REACTIONS					
	1ST LOOSE	MAX/MIN	COMPONENT	REACTIONS	
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND
R	1358	891/0	0/0	0/0	467/0
J	1358	891/0	0/0	0/0	467/0

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

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

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

LOADING

TOTAL LOAD CASES: (4)					
CHORDS			WEBS		
MEMB.	MAX. FACTORED	FORCE	MEMB.	MAX. FACTORED	FORCE
	(LBS)			(LBS)	
FR-TO			FR-TO		
R-A	-1875/0	0.0	K-I	0/2630	0.59 (1)
A-B	-2042/0	-91.8	A-Q	0/2630	0.59 (1)
B-C	-3149/0	-91.8	K-H	-1535/0	0.59 (1)
C-D	-3149/0	-91.8	Q-B	-1535/0	0.59 (1)
D-E	-3533/0	-91.8	B-P	0/1444	0.33 (1)
E-F	-3533/0	-91.8	L-H	0/1444	0.33 (1)
F-G	-3149/0	-91.8	P-D	-828/0	0.32 (1)
G-H	-3149/0	-91.8	H-I	-828/0	0.32 (1)
H-I	-2042/0	-91.8	I-N	0/502	0.11 (1)
I-J	-1875/0	0.0	N-E	0/502	0.11 (1)
R-Q	0/0	-18.5	N-E	-537/0	0.21 (1)
Q-P	0/2042	-18.5			
P-O	0/3149	-18.5			
O-N	0/3149	-18.5			
N-M	0/3149	-18.5			
M-L	0/3149	-18.5			
L-K	0/2042	-18.5			
K-J	0/0	-18.5			

TOTAL WEIGHT = 2 X 143 = 286 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/C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, 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 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

(65 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.16")
CALCULATED VERT. DEFL.(LL) = L/889 (0.23")
ALLOWABLE DEFL.(TL) = L/360 (1.16")
CALCULATED VERT. DEFL.(TL) = L/998 (0.42")
CSI: TC=0.83/1.00 (A-R:1), BC=0.58/1.00 (N-P:1), WB=0.59/1.00 (I-K:1), SS=0.25/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

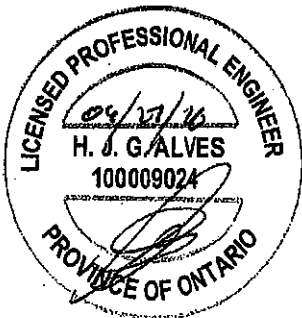
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES			
PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MT20	618	354	1687 788 1887 1858

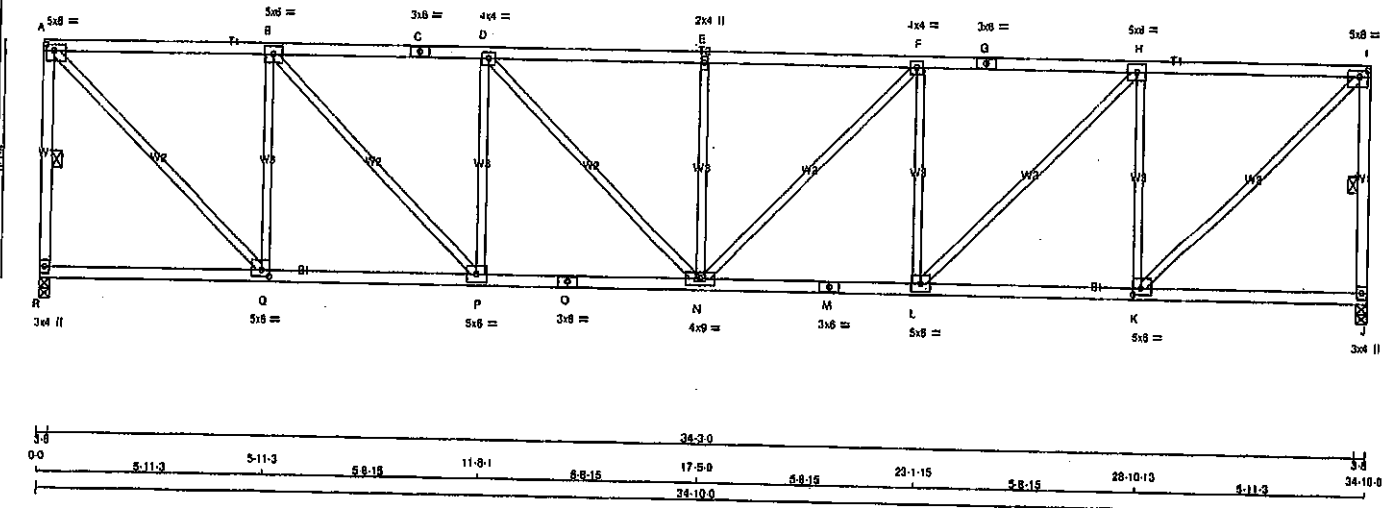
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.89 (A) (INPUT = 0.90)
JSI METAL = 0.99 (M) (INPUT = 1.00)



Structural component only
DWG# T-2007065



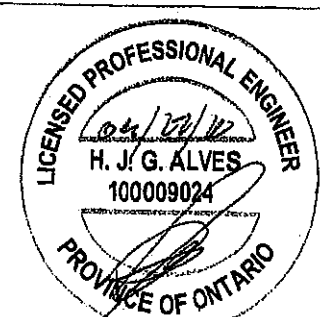
LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER
R - A	2x4	DRY No.2
A - C	2x4	DRY No.2
C - G	2x4	DRY No.2
G - I	2x4	DRY No.2
J - I	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
DRY: SEASONED LUMBER.

PLATES (table in inches)						
JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-1	MT20	5.0	6.0	2.00	2.50
B	TMVW-1	MT20	5.0	6.0		
C	TS-1	MT20	3.0	6.0		
D	TMVW-1	MT20	4.0	4.0		
E	TMVW-1	MT20	2.0	4.0		
F	TMVW-1	MT20	4.0	4.0		
G	TS-1	MT20	3.0	6.0		
H	TMVW-1	MT20	5.0	6.0		
I	TMVW-1	MT20	5.0	6.0	2.00	2.50
J	BMV1+p	MT20	3.0	4.0		
K	BMVW-1	MT20	5.0	6.0	2.00	2.50
L	BMVW-1	MT20	5.0	6.0		
M	BS-1	MT20	3.0	6.0		
N	BMVW-1	MT20	4.0	9.0		
O	BS-1	MT20	3.0	6.0		
P	BMVW-1	MT20	5.0	6.0		
Q	BMVW-1	MT20	5.0	6.0	2.00	2.50
R	BMV1+p	MT20	3.0	4.0		



Structural component only
DWG# T-2007066

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
R	1920	0	1920	0	3-8	3-8
J	1920	0	1920	0	3-8	3-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX/MIN COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
R	1358	891 / 0	0 / 0	0 / 0	0 / 0	487 / 0	0 / 0
J	1358	891 / 0	0 / 0	0 / 0	0 / 0	487 / 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 = 3.59 FT.

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

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF A-R, I-J.

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

LOADING

TOTAL LOAD CASES: (4)

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				
R-A	-1875 / 0	0.0	0.0	0.33 (1)	4.90	K-I	0 / 2388	0.53 (1)	
A-B	-1891 / 0	-91.8	-91.8	0.55 (1)	4.46	A-Q	0 / 2388	0.53 (1)	
B-C	-2808 / 0	-91.8	-91.8	0.68 (1)	3.83	K-H	-1538 / 0	0.90 (1)	
C-D	-2808 / 0	-91.8	-91.8	0.68 (1)	3.83	Q-B	-1538 / 0	0.90 (1)	
D-E	-2927 / 0	-91.8	-91.8	0.58 (1)	3.59	L-H	0 / 1304	0.29 (1)	
E-F	-2927 / 0	-91.8	-91.8	0.58 (1)	3.59	B-P	0 / 1304	0.29 (1)	
F-G	-2808 / 0	-91.8	-91.8	0.68 (1)	3.83	L-F	-828 / 0	0.48 (1)	
G-H	-2808 / 0	-91.8	-91.8	0.68 (1)	3.83	P-D	-828 / 0	0.48 (1)	
H-I	-1891 / 0	-91.8	-91.8	0.55 (1)	4.46	N-F	0 / 453	0.10 (1)	
I-J	-1875 / 0	0.0	0.0	0.33 (1)	4.90	D-N	0 / 453	0.10 (1)	
						N-E	-537 / 0	0.31 (1)	
R-Q	0 / 0	-18.5	-18.5	0.15 (4)	10.00				
Q-P	0 / 1891	-18.5	-18.5	0.35 (1)	10.00				
P-O	0 / 2808	-18.5	-18.5	0.47 (1)	10.00				
O-N	0 / 2808	-18.5	-18.5	0.47 (1)	10.00				
N-M	0 / 2808	-18.5	-18.5	0.47 (1)	10.00				
M-L	0 / 2808	-18.5	-18.5	0.47 (1)	10.00				
L-K	0 / 1891	-18.5	-18.5	0.35 (1)	10.00				
K-J	0 / 0	-18.5	-18.5	0.15 (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 6.00/12

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 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 (1.18")
CALCULATED VERT. DEFL. (LL) = L/999 (0.18")
ALLOWABLE DEFL. (TL) = L/360 (1.16")
CALCULATED VERT. DEFL. (TL) = L/999 (0.33")

CSF: TC=0.68/1.00 (F-H:1), BC=0.47/1.00 (N-P:1),
WB=0.90/1.00 (H-K:1), SSI=0.25/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

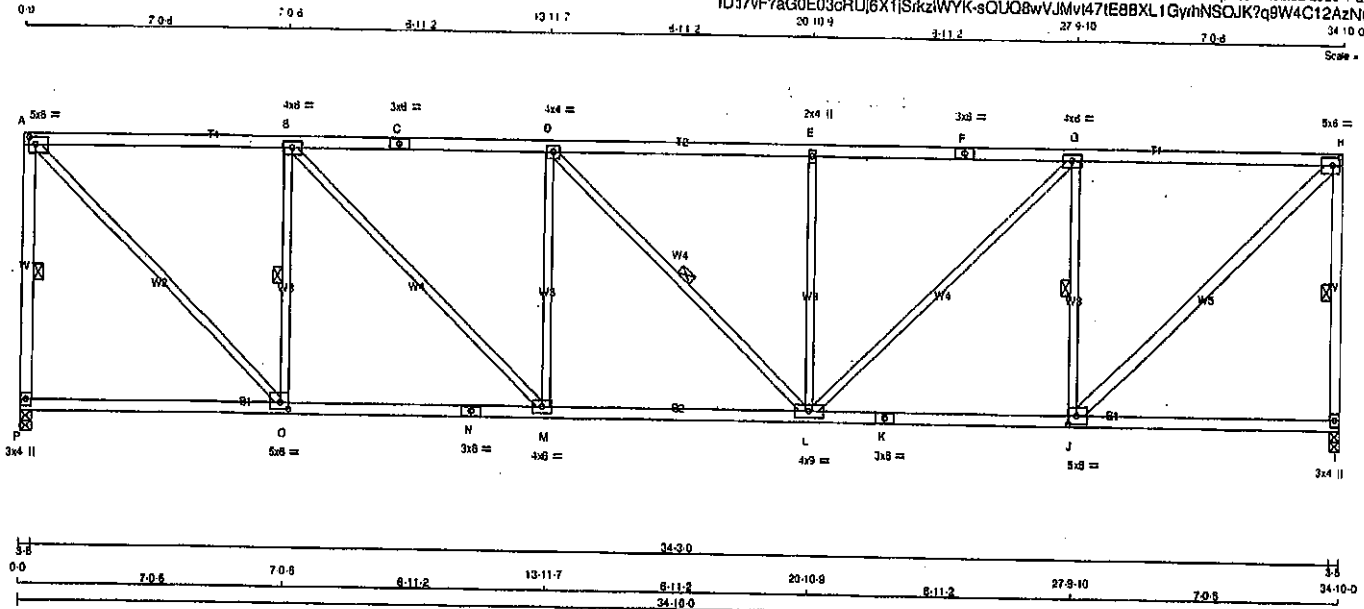
JSI METAL = 0.83 (M) (INPUT = 1.00)

JOB NAME 408150	TRUSS NAME T4	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	ORWG NO.
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Tamereck Roof Truss, Burlington

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Scale = 1/32



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

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-I	MT20	5.0	8.0	2.25	2.00
B	TMVW-I	MT20	4.0	8.0		
C	TS-I	MT20	3.0	8.0		
D	TMVW-I	MT20	4.0	4.0		
E	TMVW-I	MT20	2.0	4.0		
F	TS-I	MT20	3.0	8.0		
G	TMVW-I	MT20	4.0	8.0		
H	TMVW-I	MT20	5.0	8.0	2.50	2.50
I	BMV1+p	MT20	3.0	4.0		
J	BMVW-I	MT20	5.0	8.0	2.50	2.50
K	BS-I	MT20	3.0	8.0		
L	BMVW-I	MT20	4.0	8.0		
M	BMVW-I	MT20	4.0	8.0		
N	BS-I	MT20	3.0	8.0		
O	BMVW-I	MT20	5.0	8.0	2.00	2.50
P	BMV1+p	MT20	3.0	4.0		

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG	
P	VERT	DOWN	HORIZ	UPLIFT	IN-SX
I	1920	0	1920	0	3-8
I	1920	0	1920	0	3-8

UNFACTORED REACTIONS

JT	1ST LOASE	MAX./MIN. COMPONENT REACTIONS					
P	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
I	1358	891/0	0/0	0/0	0/0	467/0	0/0
I	1358	891/0	0/0	0/0	0/0	467/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.31 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF A-P, H-I, B-O, D-L, G-J.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
P-A	-1888/0	A-O	0/2315
A-B	-1882/0	O-B	-1468/0
B-C	-2416/0	B-M	0/1058
C-D	-2416/0	M-D	-817/0
D-E	-2415/0	D-L	-2/0
E-F	-2415/0	L-E	-816/0
F-G	-2415/0	G-L	0/1054
G-H	-1893/0	H-G	-1465/0
H-I	-1888/0	I-H	0/2316
P-O	0/0	O-N	-18.5
O-N	0/1882	N-M	-18.5
N-M	0/1662	M-L	-18.5
M-L	0/2418	L-K	-18.5
L-K	0/1863	K-J	-18.5
K-J	0/1683	J-I	-18.5
J-I	0/0		

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

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2010, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPC 2011, TPC 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 (1.16")
CALCULATED VERT. DEFL.(LL) = L/899 (0.15")
ALLOWABLE DEFL.(TL)= L/360 (1.16")
CALCULATED VERT. DEFL.(TL) = L/999 (0.29")

CSI: TC=0.98/1.00 (E-G:1), BC=0.47/1.00 (L-M:1), WB=0.54/1.00 (O-M:1), SS=0.30/1.00 (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.

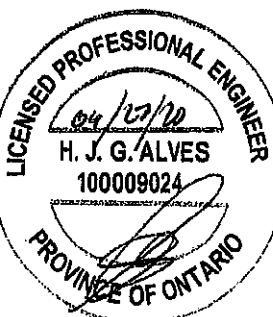
NAIL VALUES

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

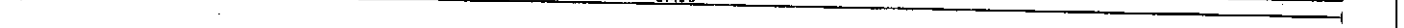
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (A) (INPUT = 0.80)
JSI METAL= 0.53 (K) (INPUT = 1.00)



Structural component only
DWG# T-2007067



DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER									
DESCR.	<u>BEARINGS</u>								
SPF	FACTORED			MAXIMUM FACTORED		INPUT	RECORD		
SPF	GROSS REACTION			GROSS REACTION		BRG	BRG		
SPF	JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
SPF	P	1920	0	1920	0	0	3-8	3-8	
SPF	I	1920	0	1920	0	0	3-8	3-8	
SPF	<u>UNFACTORED REACTIONS</u>								
SPF	1ST CASE			MAX/MIN. COMPONENT REACTIONS					
SPF	JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	
SPF	P	1358	891 / 0	0 / 0	0 / 0	0 / 0	487 / 0	0 / 0	
SPF	I	1358	891 / 0	0 / 0	0 / 0	0 / 0	487 / 0	0 / 0	
SPF	BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) P, I								

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.56 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT' OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF A-P, H-I, G-J, B-O, E-M.
END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN
THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING
TOTAL LOAD CASES: (4)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	26.6	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 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 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 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (1.18")
 CALCULATED VERT. DEFL.(LL) = $L/999$ (0.12")
 ALLOWABLE DEFL.(TL) = $L/360$ (1.18")
 CALCULATED VERT. DEFL.(TL) = $L/999$ (0.24")

CSI: TC=0.90/1.00 (B-D:1), BC=0.42/1.00 (L-M:1)
WB=0.78/1.00 (E-L:1), SS1=0.31/1.00 (A-B:1)
DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

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

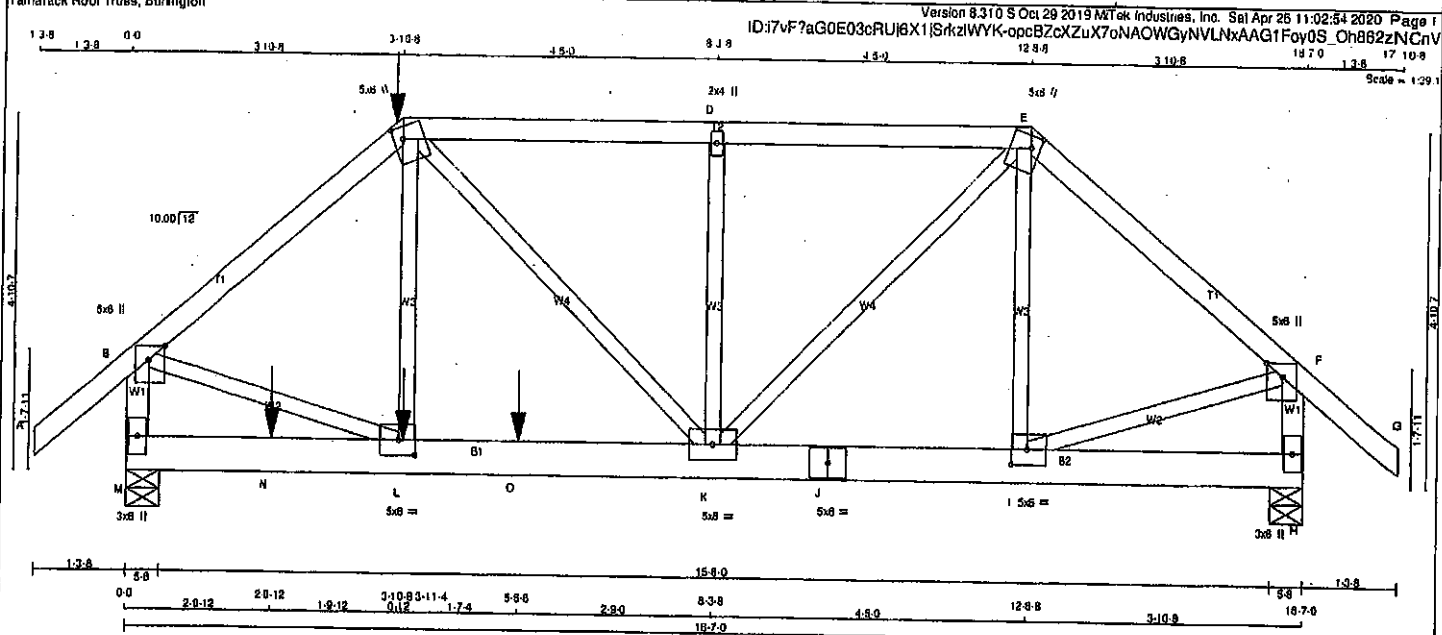
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (A) (INPUT = 0.90)
JSI METAL= 0.47 (N) (INPUT = 1.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408150	T6	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
Version 8.310 S Oct 29 2019 M/Tek Industries, Inc. Sat Apr 26 11:02:54 2020 Page 1					
ID: j7vF7aG0E03cRUj8X1S8kziWYK-opcBZcXZuX7oNAOWGyNVLNxAAG1Foy0S_Oh62zjNCnV					
Scale = 1/2" = 1'-0"					



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
E - G	2x4	DRY	No.2
M - B	2x4	DRY	No.2
H - F	2x4	DRY	No.2
M - J	2x6	DRY	No.2
J - H	2x6	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	TMW+p	MT20	5.0	6.0	Edge 2.75
C	TTWW+m	MT20	5.0	6.0	2.00 1.50
D	TMW+w	MT20	2.0	4.0	
E	TTWW+m	MT20	5.0	6.0	2.00 1.50
F	TMW+p	MT20	5.0	6.0	Edge 2.75
H	BMW1+p	MT20	3.0	6.0	
I	BMWW-1	MT20	5.0	6.0	2.50 2.75
J	BS-1	MT20	5.0	6.0	
K	BMWW-1	MT20	5.0	6.0	
L	BMWW-1	MT20	5.0	6.0	2.50 2.75
M	BMW1+p	MT20	3.0	6.0	

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

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

BEARINGS							
FACTORED				MAXIMUM FACTORED			
GROSS REACTION				GROSS REACTION			
JT	VERT	HORZ	DOWN	JT	VERT	HORZ	UP/LIFT
M	1888	0	1888	0	0	0	5-8
H	1422	0	1422	0	0	0	5-8

UNFACTORED REACTIONS							
JT	1ST CASE	MAX.	MIN.	COMPONENT	REACTIONS		
M	1320	908/0	0/0	PERM.	LIVE	WIND	DEAD
H	1001	683/0	0/0	PERM.	LIVE	WIND	DEAD

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.55 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING									
TOTAL LOAD CASES: (4)									
CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. UNBRACED LENGTH (FT)	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO					FR-TO				
A-B	0/41	-91.8	-91.8 0.14 (1)	10.00	L-C	0/383	0.09 (1)		
B-C	-1847/0	-91.8	-91.8 0.34 (1)	4.55	C-K	0/310	0.08 (1)		
C-D	-1841/0	-91.8	-91.8 0.38 (1)	4.72	K-D	-481/0	0.18 (1)		
D-E	-1841/0	-91.8	-91.8 0.38 (1)	4.72	K-E	0/1010	0.25 (1)		
E-F	-1225/0	-91.8	-91.8 0.30 (1)	5.40	I-E	-274/0	0.09 (1)		
F-G	0/41	-91.8	-91.8 0.14 (1)	10.00	B-L	0/1480	0.37 (1)		
M-B	-1926/0	0.0	0.0 0.22 (1)	6.01	I-F	0/981	0.24 (1)		
H-F	-1380/0	0.0	0.0 0.18 (1)	8.88					
M-N	0/0	-18.5	-18.5 0.24 (1)	10.00					
N-L	0/0	-18.5	-18.5 0.24 (1)	10.00					
L-O	0/1424	-18.5	-18.5 0.70 (1)	10.00					
O-K	0/1424	-18.5	-18.5 0.70 (1)	10.00					
K-J	0/932	-18.5	-18.5 0.28 (1)	10.00					
J-I	0/932	-18.5	-18.5 0.28 (1)	10.00					
I-H	0/0	-18.5	-18.5 0.04 (4)	10.00					

FACTORED CONCENTRATED LOADS (LBS)							
JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE
C	3-10.8	-241	-241	---	FRONT	VERT	TOTAL
L	3-11.4	-17	-17	---	FRONT	VERT	TOTAL
N	2-0.12	-17	-17	---	FRONT	VERT	TOTAL
O	5-6.8	-953	-953	---	FRONT	VERT	TOTAL

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

TOTAL WEIGHT = 84 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 = 23.0 IN./C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015, 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 28.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.65")
CALCULATED VERT. DEFL.(LL) = L/989 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.65")
CALCULATED VERT. DEFL.(TL) = L/989 (0.10")

CSI: TC=0.36/1.00 (C-D:1), BC=0.70/1.00 (K-L:1), WB=0.37/1.00 (B-L:1), SS=0.45/1.00 (K-L:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.89 (C) (INPUT = 0.90)
JSI METAL = 0.57 (J) (INPUT = 1.00)

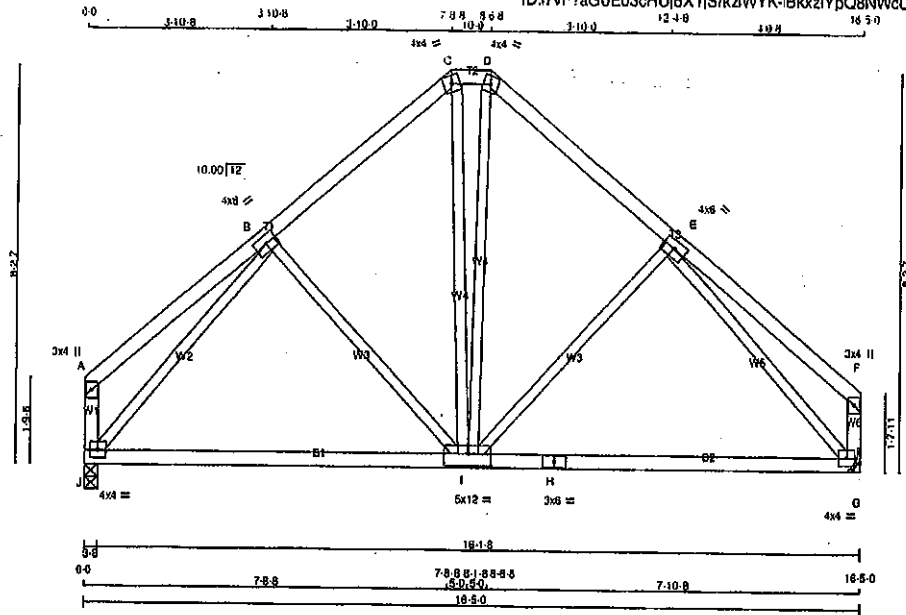


Structural component only
DWG# T-2007069

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408150	T8	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:40.5

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - C	2x4	DRY	No.2	
C - D	2x4	DRY	No.2	
D - F	2x4	DRY	No.2	
J - A	2x4	DRY	No.2	
G - F	2x4	DRY	No.2	
J - H	2x4	DRY	No.2	
H - G	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
A	TMV+p	MT20	3.0	4.0			
B	TMWW-1	MT20	4.0	6.0			
C	TTW-m	MT20	4.0	4.0			
D	TTW-m	MT20	4.0	4.0			
E	TMWW-1	MT20	4.0	6.0			
F	TMV+p	MT20	3.0	4.0			
G	BMWW-1	MT20	4.0	4.0			
H	BS-1	MT20	3.0	6.0			
I	BMWWWW-1	MT20	5.0	12.0	3.00	8.00	
J	BMWW-1	MT20	4.0	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
J 905	0	905	0
G 905	0	905	0

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

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	640	420 / 0	0 / 0	0 / 0	0 / 0	220 / 0	0 / 0
G	640	420 / 0	0 / 0	0 / 0	0 / 0	220 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRAC LENGTH	FR-TO
A-B	0 / 27	-81.8	-91.8	0.22 (1)	10.00	B-I	-163 / 0	0.11 (1)		
B-C	-849 / 0	-81.8	-91.8	0.17 (1)	8.25	I-E	-190 / 0	0.13 (1)		
C-D	-489 / 0	-81.8	-91.8	0.01 (1)	8.25	J-B	-930 / 0	0.54 (1)		
D-E	-850 / 0	-81.8	-91.8	0.18 (1)	8.25	E-G	-935 / 0	0.57 (1)		
E-F	0 / 27	-81.8	-91.8	0.23 (1)	10.00	G-I	0 / 221	0.05 (1)		
J-A	-129 / 0	0.0	0.0	0.01 (1)	7.81	I-D	0 / 222	0.05 (1)		
G-F	-137 / 0	0.0	0.0	0.01 (1)	7.81					
J-I	0 / 590	-18.5	-18.5	0.41 (4)	10.00					
I-H	0 / 608	-18.5	-18.5	0.41 (4)	10.00					
H-G	0 / 608	-18.5	-18.5	0.41 (4)	10.00					

TOTAL WEIGHT = 77 lb

[M/F]

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 8.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 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) = $L/360$ (0.55")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.02")
ALLOWABLE DEFL. (TL) = $L/360$ (0.55")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.11")

CSI: TC=0.23/1.00 (E-F:1), BC=0.41/1.00 (G-I:4), WB=0.57/1.00 (E-G:1), SSI=0.13/1.00 (D-E:1)

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.

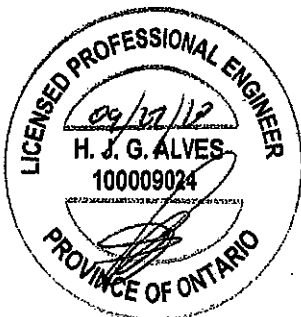
NAIL VALUES

PLATE GRIP (DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX	MIN	MAX
MT20	618	354
	1867	788
	1987	1858

PLATE PLACEMENT TOL. = 0.250 inches

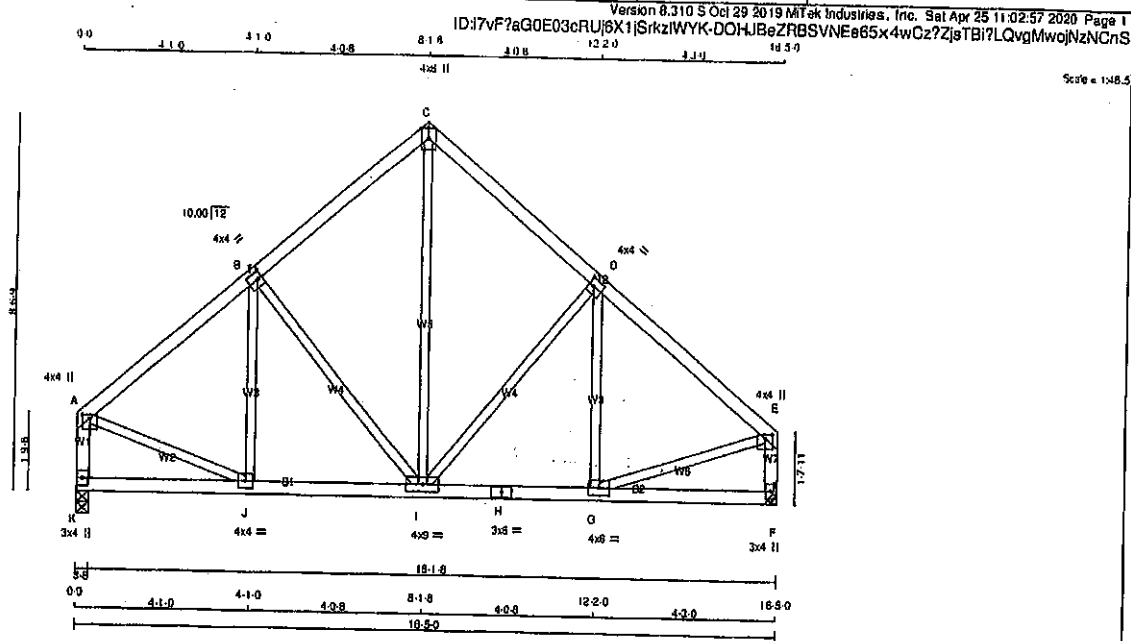
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.75 (3) (INPUT = 0.80)
JSI METAL = 0.23 (3) (INPUT = 1.00)



Structural component only
DWG# T-2007071

JOB NAME 408150	TRUSS NAME T9	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMWW-p	MT20	4.0	4.0	1.00	2.00
B	TMWW-t	MT20	4.0	4.0	2.00	1.25
C	TMWW-p	MT20	4.0	4.0	8.0	Edge
D	TMWW-t	MT20	4.0	4.0	2.00	1.25
E	TMWW-p	MT20	4.0	4.0	1.00	2.00
F	BMV1-p	MT20	3.0	4.0		
G	BMWW-t	MT20	4.0	8.0		
H	BS-t	MT20	3.0	8.0		
I	BMWW-t	MT20	4.0	8.0		
J	BMWW-t	MT20	4.0	8.0		
K	BMV1-p	MT20	3.0	4.0		

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

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
K	905	0	905	0
F	905	0	905	0

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
K	640	420 / 0	0 / 0	0 / 0	0 / 0	0 / 0	220 / 0	0 / 0
F	640	420 / 0	0 / 0	0 / 0	0 / 0	0 / 0	220 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	UNBRAC LENGTH
FR-TO				FR-TO			
A-B	-772 / 0	-91.8	-91.8 0.20 (1)	J-B	-135 / 21	0.05 (1)	8.25
B-C	-620 / 0	-91.8	-91.8 0.19 (1)	B-I	-251 / 0	0.18 (1)	8.25
C-D	-622 / 0	-91.8	-91.8 0.20 (1)	I-C	0 / 478	0.11 (1)	8.25
D-E	-795 / 0	-91.8	-91.8 0.21 (1)	I-D	-278 / 0	0.20 (1)	8.25
K-A	-873 / 0	0.0	0.0 0.10 (1)	G-D	-110 / 31	0.04 (1)	7.81
F-E	-872 / 0	0.0	0.0 0.09 (1)	A-J	0 / 653	0.15 (1)	7.81
K-J	0 / 0	-18.5	-18.5 0.07 (4)	G-E	0 / 662	0.15 (1)	7.81
J-I	0 / 815	-18.5	-18.5 0.13 (1)				10.00
I-H	0 / 633	-18.5	-18.5 0.14 (1)				10.00
H-G	0 / 833	-18.5	-18.5 0.14 (1)				10.00
G-F	0 / 0	-18.5	-18.5 0.07 (4)				10.00

TOTAL WEIGHT = 77 lb

(N/A)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	25.0	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, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2010, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2018 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) = $L/360$ (0.55")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.02")
ALLOWABLE DEFL. (TL) = $L/360$ (0.55")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.03")

CSI: TC=0.21/1.00 (D-E:1), BC=0.14/1.00 (G-I:1), WB=0.20/1.00 (D-I:1), SS=0.14/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PL)
MAX MIN	MAX MIN	MAX MIN
MT20	818 354	1887 788 1987 1056

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.97 (E) (INPUT = 0.90)
JSI METAL = 0.24 (E) (INPUT = 1.00)



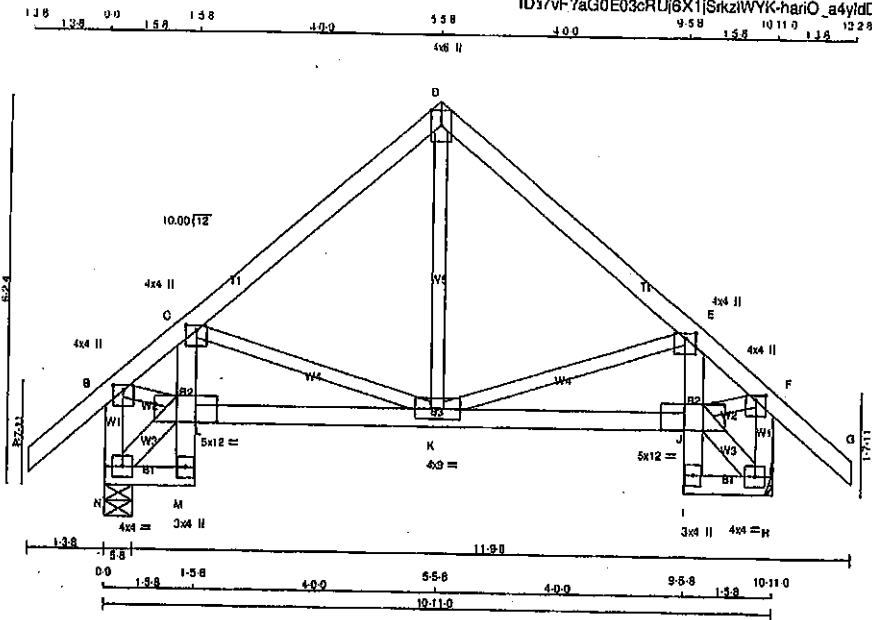
Structural component only
DWG# T-2007072

JOB NAME 408150	TRUSS NAME T10S	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1/32" = 1'-0"



TOTAL WEIGHT = 2 X 58 = 112 lb
[M/F]

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

DRY: SEASONED LUMBER.

PLATES (table in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B, C, E, F					
B	TMVW+p	MT20	3.0	4.0	1.00 2.00
D	TTW+p	MT20	4.0	6.0	Edge
H	BMVW1-t	MT20	4.0	4.0	
I	BMV+p	MT20	3.0	4.0	
J	BVMWV-I	MT20	6.0	12.0	5.00 7.75
K	BVMWV-I	MT20	4.0	9.0	
L	BVMWV-I	MT20	6.0	12.0	5.00 7.75
M	BMV+p	MT20	3.0	4.0	
N	BMVW1-t	MT20	4.0	4.0	

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

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

BEARINGS							
JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG	DOWN	HORIZ	UPLIFT
N	729	0	729	0	0	5-8	5-8
H	729	0	729	0	0	MECHANICAL	

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

UNFACTORED REACTIONS							
JT	1ST LOASE	MAX	MIN	COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE
N	513	350	0	0	0	0	0
H	513	350	0	0	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 = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.61 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)	UNBRAC LENGTH FR-TO
FR-TO				FR-TO			
A-B	0 / 41	-91.8	-91.8 0.13 (1)	10.00	C-K	-211 / 0	0.07 (1)
B-C	-847 / 0	-91.8	-91.8 0.14 (1)	6.25	K-D	0 / 229	0.05 (1)
C-D	-447 / 0	-91.8	-91.8 0.19 (1)	6.25	K-E	-210 / 0	0.07 (1)
D-E	-447 / 0	-91.8	-91.8 0.18 (1)	6.25	N-L	-26 / 0	0.00 (1)
E-F	-846 / 0	-91.8	-91.8 0.14 (1)	6.25	B-L	0 / 527	0.12 (1)
F-G	0 / 41	-91.8	-91.8 0.13 (1)	10.00	J-F	0 / 526	0.12 (1)
N-B	-701 / 0	0.0	0.0 0.07 (1)	7.61	J-H	-28 / 0	0.00 (1)
H-F	-701 / 0	0.0	0.0 0.07 (1)	7.61			
N-M	0 / 20	-18.5	-18.5 0.01 (4)	10.00			
M-L	0 / 14	0.0	0.0 0.03 (1)	10.00			
L-C	-82 / 2	0.0	0.0 0.02 (1)	7.61			
L-K	0 / 528	-18.5	-18.5 0.13 (1)	10.00			
K-J	0 / 527	-18.5	-18.5 0.13 (1)	10.00			
I-J	0 / 14	0.0	0.0 0.03 (1)	10.00			
J-E	-93 / 2	0.0	0.0 0.02 (1)	7.61			
I-H	0 / 20	-18.5	-18.5 0.01 (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. O.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 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) = $L/360$ (0.36")
CALCULATED VERT. DEFL. (LL) = $L/899$ (0.01")
ALLOWABLE DEFL. (TL) = $L/360$ (0.36")
CALCULATED VERT. DEFL. (TL) = $L/899$ (0.02")

CSI: TG=0.19/1.00 (C-D:1), BC=0.13/1.00 (K-L:1), WB=0.12/1.00 (B-L:1), SSI=0.13/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

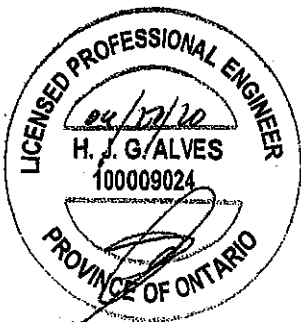
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 518 354 1887 768 1887 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.74 (F) (INPUT = 0.80)
JSI METAL = 0.20 (F) (INPUT = 1.00)

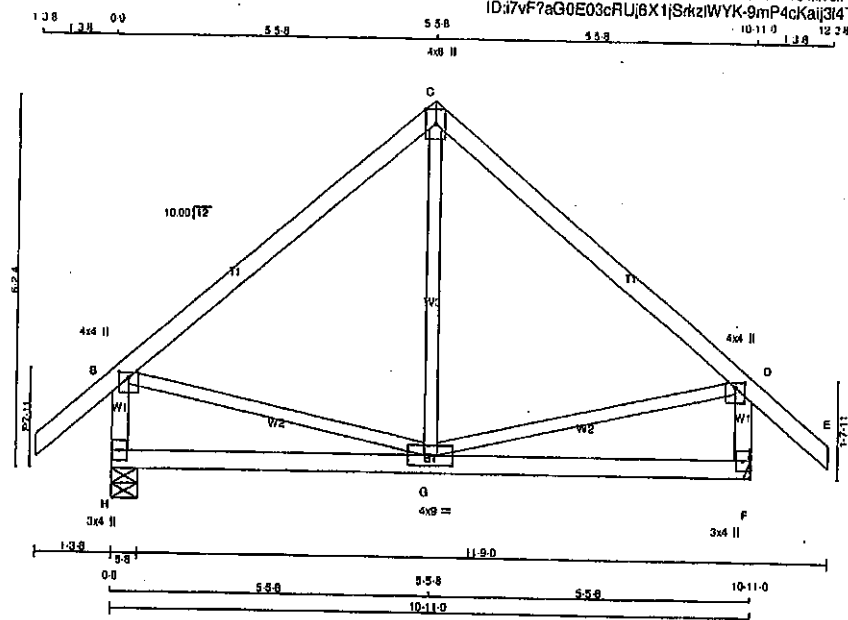


Structural component only
DWG# T-2007073

JOB NAME 408150	TRUSS NAME T11	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1/32"

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

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW+p	MT20	4.0	4.0	1.00	2.00
C TTW+p	MT20	4.0	8.0	Edge	
D TMVW+p	MT20	4.0	4.0	1.00	2.00
F BMV1+p	MT20	3.0	4.0		
G BMWWW-1	MT20	4.0	9.0		
H BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	UPLIFT	IN-SX
H	729	0	729	0
F	729	0	729	0

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
H	513	350/0	0/0	0/0	0/0	0/0	163/0	0/0
F	513	350/0	0/0	0/0	0/0	0/0	163/0	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)	MAX. CS1 (LC)	MEMB. FORCE (LBS)
FR-TO		FROM TO	LENGTH FR-TO	
A-B	0/41	-91.8 -91.8	0.13 (1)	10.00
B-C	-380/0	-91.8 -91.8	0.35 (1)	8.25
C-D	-380/0	-91.8 -91.8	0.35 (1)	8.25
D-E	0/41	-91.8 -91.8	0.13 (1)	10.00
H-B	-690/0	0.0 0.0	0.07 (1)	7.81
F-D	-690/0	0.0 0.0	0.07 (1)	7.81
H-G	0/0	-18.5 -18.5	0.16 (4)	10.00
G-F	0/0	-18.5 -18.5	0.16 (4)	10.00

TOTAL WEIGHT = 49 lb (M/F)

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 BCBC 2018, OBC 2012, ABC 2018
- PART 9 OF OBC 2012 (2018 AMENDMENT)
- CSA 088-09, CSA 086-14
- TPC 2011, TPC 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 (0.38")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.38")
CALCULATED VERT. DEFL.(TL) = L/999 (0.02")

CSI: TC=0.35/1.00 (B-C:1), BC=0.16/1.00 (G-H:4), WB=0.07/1.00 (D-G:1), SS=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

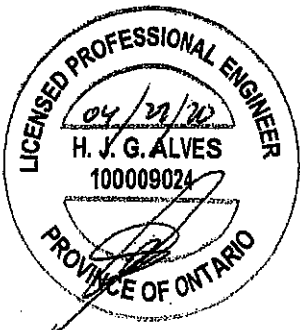
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1697 788 1997 1696

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.62 (D) (INPUT = 0.90)
JSI METAL = 0.17 (D) (INPUT = 1.00)

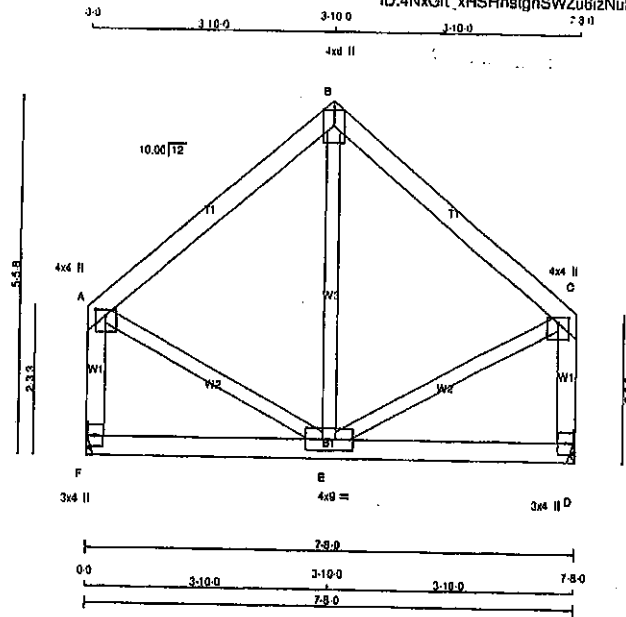


Structural component only
DWG# T-2007074

JOB NAME 408150 Tamarack Roof Truss, Burlington	TRUSS NAME T12	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Scale = 1:25



LUMBER

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

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

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

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

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

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
F	423 0	423 0	0 0	103 0
D	423 0	423 0	0 0	103 0

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
F	289	196 / 0	0 / 0	0 / 0	103 / 0	0 / 0
D	289	196 / 0	0 / 0	0 / 0	103 / 0	0 / 0

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	VERT. LOAD LO1 (PLF)	MAX. FACTORED CSI (LC)	UNBRACED LENGTH	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO						FR-TO			
A-B	-214 / 0	-91.8	-91.8	0.17 (1)	8.25	E-B	-78 / 37	0.03 (1)	
B-C	-214 / 0	-91.8	-91.8	0.17 (1)	8.25	A-E	0 / 184	0.04 (1)	
F-A	-395 / 0	0.0	0.0	0.05 (1)	7.81	E-C	0 / 184	0.04 (1)	
D-C	-395 / 0	0.0	0.0	0.05 (1)	7.81				
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				

TOTAL WEIGHT = 35 lb (M/F)

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 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 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.28")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.28")
CALCULATED VERT. DEFL.(TL) = L/999 (0.01")

CSI: TC=0.17/1.00 (B-C:1), BC=0.08/1.00 (D-E:1), WB=0.04/1.00 (A-E:1), SSI=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

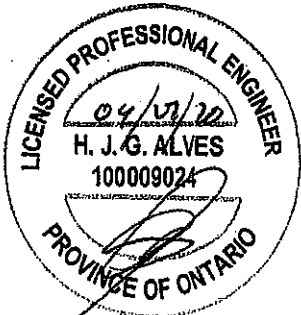
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

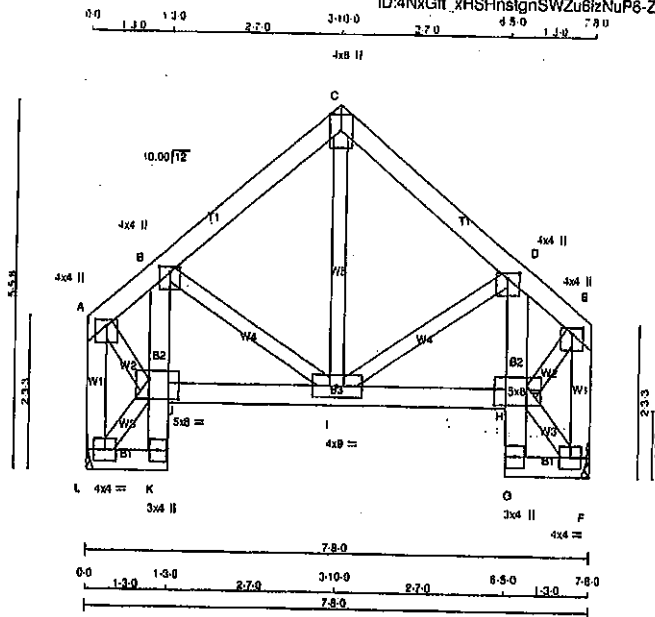
JSI GRIP=0.31 (C) (INPUT = 0.90)
JSI METAL=0.09 (C) (INPUT = 1.00)



Structural component only
DWG# T-2007075

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408150	T12S	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					

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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A, B, D, E						
A	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTW+p	MT20	4.0	8.0	Edge	
F	BMVW1-t	MT20	4.0	4.0		
G	BMV+p	MT20	3.0	4.0		
H	BVMWV-t	MT20	5.0	8.0	3.50	5.50
I	BMVWV-t	MT20	4.0	9.0		
J	BVMWV-t	MT20	5.0	8.0	3.50	5.50
K	BMV+p	MT20	3.0	4.0		
L	BMVW1-t	MT20	4.0	4.0		

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

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

BEARINGS							
	FACTORED		MAXIMUM FACTORED			INPUT	REQD
	GROSS REACTION		GROSS REACTION			BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
L	423	0	423	0	0	MECHANICAL	
F	423	0	423	0	0	MECHANICAL	

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	299	196 / 0	0 / 0	0 / 0	0 / 0	103 / 0	0 / 0
F	299	196 / 0	0 / 0	0 / 0	0 / 0	103 / 0	0 / 0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 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	CS1 (LC)	UNBRAC	MEMB.	MAX. FACTORED	WEBS	MAX. FACTORED	MEMB.	MAX. FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	FROM	TO				LENGTH	FR-TO	FORCE (LBS)	CS1 (LC)		FR-TO	FORCE (LBS)	CS1 (LC)	
A-B	-282 / 0	-91.8	-91.8	0.06 (1)	6.25	1-C	0 / 125	0.03 (1)							
B-C	-274 / 0	-91.8	-91.8	0.07 (1)	6.25	1-D	-57 / 0	0.01 (1)							
C-D	-274 / 0	-91.8	-91.8	0.07 (1)	6.25	B-1	-57 / 0	0.01 (1)							
D-E	-282 / 0	-91.8	-91.8	0.06 (1)	6.25	L-J	-13 / 0	0.00 (1)							
L-A	-404 / 0	0.0	0.0	0.05 (1)	7.81	A-J	0 / 317	0.07 (1)							
F-E	-404 / 0	0.0	0.0	0.05 (1)	7.81	H-F	-13 / 0	0.00 (1)							
L-K	0 / 0	-18.5	-18.5	0.01 (4)	10.00	H-E	0 / 317	0.07 (1)							
K-J	0 / 11	0.0	0.0	0.01 (1)	10.00										
J-B	-182 / 0	0.0	0.0	0.01 (1)	7.81										
J-I	0 / 247	-18.5	-18.5	0.08 (1)	10.00										
I-H	0 / 247	-18.5	-18.5	0.08 (1)	10.00										
G-H	0 / 11	0.0	0.0	0.01 (1)	10.00										
H-D	-182 / 0	0.0	0.0	0.01 (1)	7.81										
G-F	0 / 9	-18.5	-18.5	0.01 (4)	10.00										

TOTAL WEIGHT = 2 X 43 = 86 lb
(M/F)

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. G/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, 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 (0.26")
CALCULATED VERT. DEFL. (LL) = L/899 (0.00")
ALLOWABLE DEFL. (TL) = L/360 (0.26")
CALCULATED VERT. DEFL. (TL) = L/899 (0.01")

CSI: TC=0.07/1.00 (C-D:1), BC=0.08/1.00 (H-I:1), WB=0.07/1.00 (A-J:1), SS=0.08/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

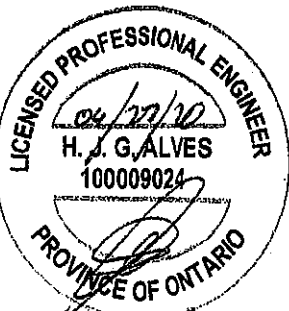
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 616 354 1667 788 1987 1668

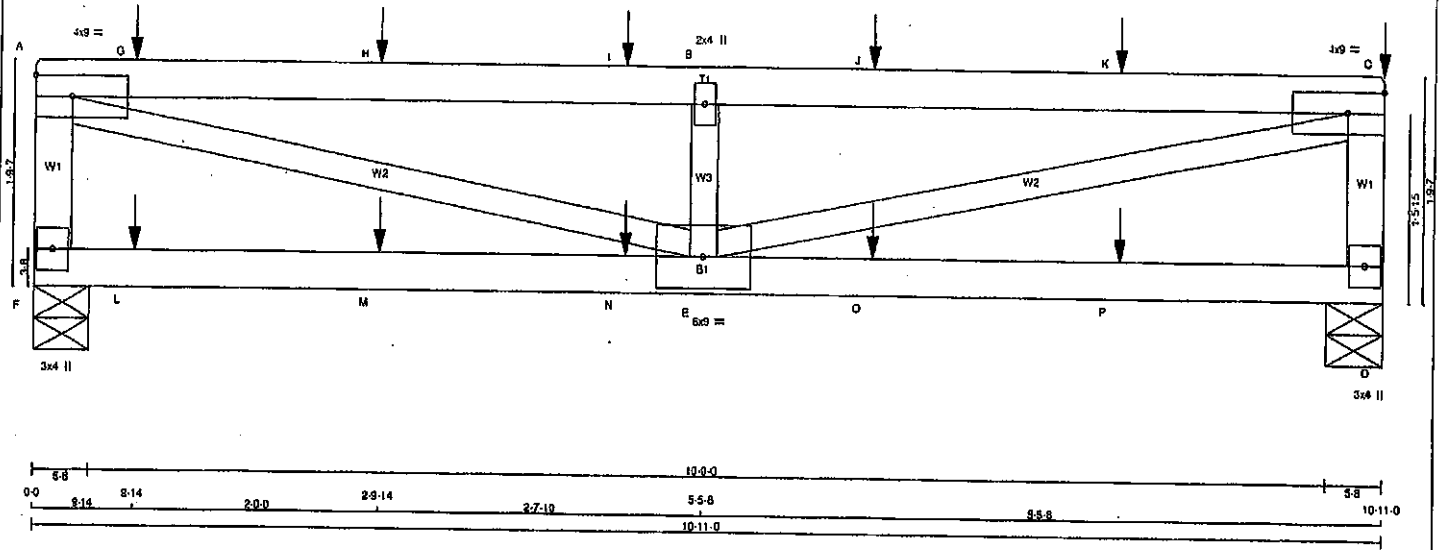
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.30 (E) (INPUT = 0.80)
JSI METAL= 0.08 (E) (INPUT = 1.00)



Structural component only
DWG# T-2007076



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
F - A	2x4	DRY	No.2	SPF
D - C	2x4	DRY	No.2	SPF
F - D	2x4	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	4.0	9.0		Edge
B	TMVW-w	MT20	2.0	4.0		
C	TMVW-t	MT20	4.0	9.0		Edge
D	BMV1+p	MT20	3.0	4.0		
E	BMVWW-t	MT20	6.0	9.0		
F	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	RECORD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
F	976	0	976	0	5-8	5-8
D	1015	0	1015	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LOASE COMBINED	MAX/MIN COMPONENT REACTIONS					
		SNOW	LIVE	PERMLIVE	WIND	DEAD	SOIL
F	690	483 / 0	0 / 0	0 / 0	0 / 0	237 / 0	0 / 0
D	716	478 / 0	0 / 0	0 / 0	0 / 0	237 / 0	0 / 0

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

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.55 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
 TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED (PLI) CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED (PLI) CSI (LC)	
FR-TO				FR-TO			
A-G	-2081 / 0	-91.8	-91.8 0.79 (1)	A-E	0 / 2157	0.53 (1)	
G-H	-2081 / 0	-91.8	-91.8 0.79 (1)	E-B	-878 / 0	0.14 (1)	
H-I	-2081 / 0	-91.8	-91.8 0.79 (1)	E-C	0 / 2157	0.53 (1)	
I-B	-2081 / 0	-91.8	-91.8 0.79 (1)				
B-J	-2081 / 0	-91.8	-91.8 0.79 (1)				
J-K	-2081 / 0	-91.8	-91.8 0.79 (1)				
K-C	-2081 / 0	-91.8	-91.8 0.79 (1)				
F-A	-869 / 0	0.0	0.0 0.10 (1)				
D-C	-938 / 0	0.0	0.0 0.11 (1)				
F-L	0 / 0	-18.5	-18.5 0.22 (4)				
L-M	0 / 0	-18.5	-18.5 0.22 (4)				
M-N	0 / 0	-18.5	-18.5 0.22 (4)				
N-E	0 / 0	-18.5	-18.5 0.22 (4)				
E-O	0 / 0	-18.5	-18.5 0.22 (4)				
O-P	0 / 0	-18.5	-18.5 0.22 (4)				
P-D	0 / 0	-18.5	-18.5 0.22 (4)				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LOC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
C	10-11-0	-123	-123	---	BACK	VERT	TOTAL	---	C1
G	9-14	-90	-90	---	BACK	VERT	TOTAL	---	C1
H	2-9-14	-82	-82	---	BACK	VERT	TOTAL	---	C1
I	4-9-14	-82	-82	---	BACK	VERT	TOTAL	---	C1
J	6-9-14	-82	-82	---	BACK	VERT	TOTAL	---	C1
K	8-9-14	-82	-82	---	BACK	VERT	TOTAL	---	C1
L	9-14	-51	-51	---	BACK	VERT	TOTAL	---	C1
M	2-9-14	-49	-49	---	BACK	VERT	TOTAL	---	C1
N	4-9-14	-49	-49	---	BACK	VERT	TOTAL	---	C1
O	6-9-14	-49	-49	---	BACK	VERT	TOTAL	---	C1
P	8-9-14	-49	-49	---	BACK	VERT	TOTAL	---	C1

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

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

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

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

THIS DESIGN COMPLIES WITH:
 - PART 9 OF BCRC 2018, OBC 2012, ABC 2019
 - PART 9 OF OBC 2012 (2018 AMENDMENT)
 - CSA 086-08, 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 (0.38")
 CALCULATED VERT. DEFL. (LL) = L/999 (0.05")
 ALLOWABLE DEFL. (TL) = L/360 (0.38")
 CALCULATED VERT. DEFL. (TL) = L/817 (0.18")

CSI: TC=0.79/1.00 (A-B:1), BC=0.22/1.00 (E-F:4), WB=0.53/1.00 (A-E:1), SS=0.39/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

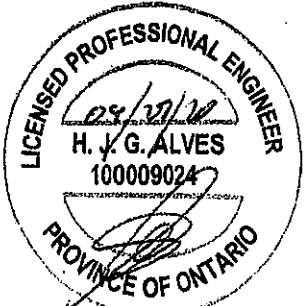
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
 PLATE GRIP (DRY) SHEAR SECTION (PSI) (PLI) (PLI)
 MAX MIN MAX MIN MAX MIN
 MT20 618 354 1687 788 1987 1858

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 3.0 Deg.

ISI GRIP = 0.89 (A) (INPUT = 0.90)
 ISI METAL = 0.40 (E) (INPUT = 1.00)

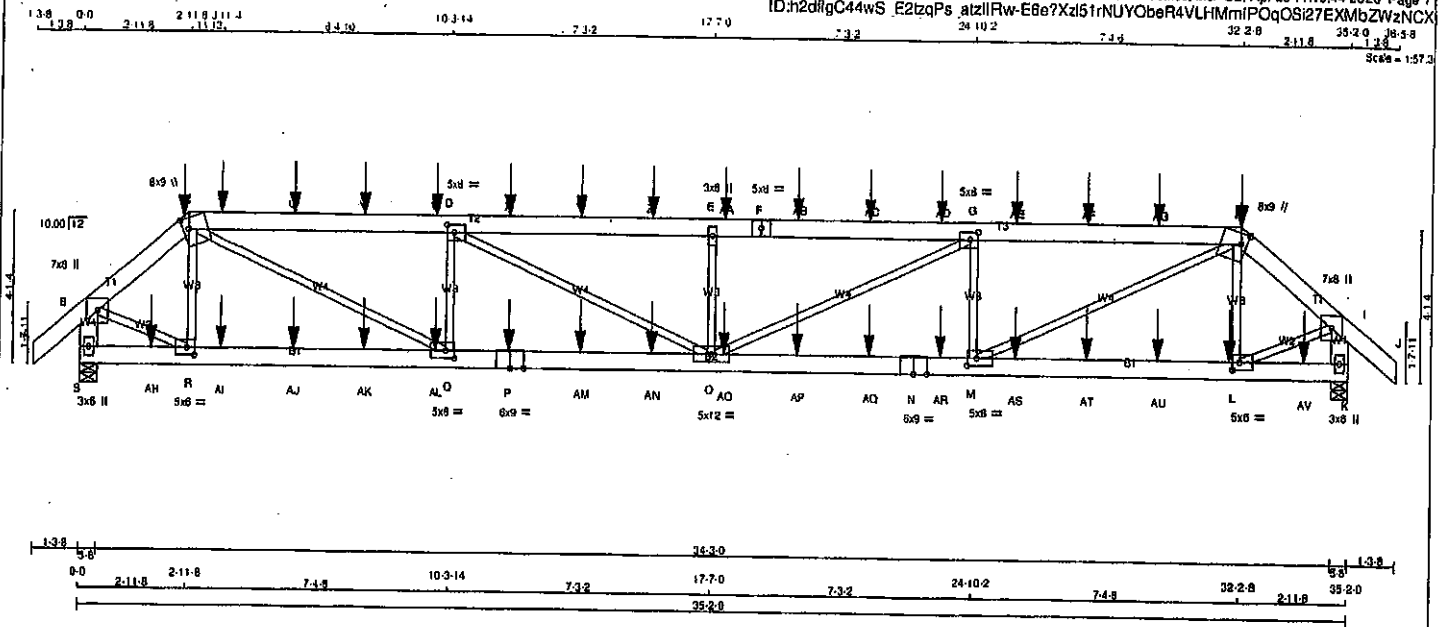


Structural component only
 DWG# T-2007077

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	T20	1	2	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x8	DRY	No.2	SPF		
C - F	2x8	DRY	No.2	SPF		
F - H	2x8	DRY	No.2	SPF		
H - J	2x8	DRY	No.2	SPF		
J - S	2x8	DRY	No.2	SPF		
S - P	2x8	DRY	1650F 1.5E	SPF		
P - N	2x8	DRY	1650F 1.5E	SPF		
N - K	2x8	DRY	1650F 1.5E	SPF		

ALL WEBS EXCEPT 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - C 2 12	SIDE(122.0)	
C - F 2 12	SIDE(81.0)	
F - H 2 12	SIDE(81.0)	
H - J 2 12	SIDE(122.0)	
J - S 2 12	TOP	
K - I 2 12	TOP	
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
S - P 2 12	SIDE(0.0)	
P - N 2 12	SIDE(0.0)	
N - K 2 12	SIDE(183.1)	
WEBS : (0.122"x3") SPIRAL NAILS		
2x3 1 6		

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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	UPLIFT	IN-SX
S	3330	0	0	5-8
K	3379	0	0	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	2354	1553 / 0	0 / 0	0 / 0	0 / 0	801 / 0	0 / 0
K	2388	1572 / 0	0 / 0	0 / 0	0 / 0	816 / 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 = 3.98 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FORCE	VERT. LOAD	LC1	MAX. FACTORED	WEBS	MAX. FACTORED	FORCE	MAX. FACTORED
MEMB.	FROM	TO	FROM	TO	MEMB.	FROM	TO	FROM	TO
FR-TO									
A-B	0 / 42		-91.8	-91.8	0.04 (1)	10.00	R-C	-682 / 0	0.08 (1)
B-C	-3359 / 0		-91.8	-91.8	0.05 (1)	6.03	C-Q	0 / 4522	0.50 (1)
C-T	-6808 / 0		-91.8	-91.8	0.38 (1)	4.32	C-Q	-1799 / 0	0.22 (1)
T-U	-6808 / 0		-91.8	-91.8	0.38 (1)	4.32	D-O	0 / 1375	0.17 (1)
U-V	-6808 / 0		-91.8	-91.8	0.38 (1)	4.32	C-E	-990 / 0	0.12 (1)
V-W	-6808 / 0		-91.8	-91.8	0.38 (1)	4.32	O-G	0 / 1388	0.17 (1)
W-D	-6808 / 0		-91.8	-91.8	0.38 (1)	4.32	M-G	-1788 / 0	0.21 (1)
D-X	-7835 / 0		-91.8	-91.8	0.42 (1)	3.98	M-H	0 / 4493	0.58 (1)
X-Y	-7835 / 0		-91.8	-91.8	0.42 (1)	3.98	L-H	-673 / 0	0.08 (1)
Y-Z	-7835 / 0		-91.8	-91.8	0.42 (1)	3.98	B-R	0 / 2729	0.34 (1)
Z-E	-7835 / 0		-91.8	-91.8	0.42 (1)	3.98	L-I	0 / 2764	0.34 (1)
E-AA	-7835 / 0		-91.8	-91.8	0.42 (1)	3.98			
AA-F	-7835 / 0		-91.8	-91.8	0.42 (1)	3.98			
F-AB	-7835 / 0		-91.8	-91.8	0.42 (1)	3.98			
AB-AC	-7835 / 0		-91.8	-91.8	0.42 (1)	3.98			
AC-AD	-7835 / 0		-91.8	-91.8	0.42 (1)	3.98			
AD-G	-7835 / 0		-91.8	-91.8	0.42 (1)	3.98			
G-AE	-6612 / 0		-91.8	-91.8	0.38 (1)	4.32			
AE-AF	-6612 / 0		-91.8	-91.8	0.38 (1)	4.32			
AF-AG	-6612 / 0		-91.8	-91.8	0.38 (1)	4.32			
AG-H	-6612 / 0		-91.8	-91.8	0.38 (1)	4.32			
H-I	-3401 / 0		-91.8	-91.8	0.05 (1)	6.00			
I-J	0 / 42		-91.8	-91.8	0.04 (1)	10.00			
S-B	-3388 / 0		0.0	0.0	0.12 (1)	7.58			
K-I	-3408 / 0		0.0	0.0	0.12 (1)	7.55			

TOTAL WEIGHT = 2 X 183 = 365 lb

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 = 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 8.00/12

*** 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 NBCC 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. O.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 26.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (1.17)
CALCULATED VERT. DEFL. (LL) = L/999 (0.20)
ALLOWABLE DEFL. (TL) = L/360 (1.17)
CALCULATED VERT. DEFL. (TL) = L/999 (0.38)

CSI: TO=0.42/1.00 (D-E:1), BC=0.32/1.00 (O-Q:1),

WB=0.58/1.00 (C-Q:1), SSI=0.22/1.00 (G-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

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

MT20 618 354 1887 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.62 (M) (INPUT = 0.90)

JSI METAL= 0.52 (P) (INPUT = 1.00)

CONTINUED ON PAGE 2



Structural component only
DWG# T-2007081 1/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	T20	1	2	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMW+p	MT20	7.0	8.0		
C TTWW+m	MT20	8.0	9.0	3.50	1.75
D TMWW-t	MT20	5.0	6.0	2.50	2.50
E TMW+w	MT20	3.0	8.0		
F TS-t	MT20	5.0	8.0		
G TMWW-t	MT20	5.0	8.0	2.50	2.50
H TTWW+m	MT20	8.0	9.0	3.50	1.75
I TMW+p	MT20	7.0	8.0		
K BMW-t	MT20	3.0	8.0		
L BMWW-t	MT20	5.0	6.0	2.50	2.25
M BMWW-t	MT20	5.0	8.0	2.50	3.00
N BS-t	MT20	8.0	9.0		
O BMWW-t	MT20	5.0	12.0		
P BS-t	MT20	6.0	9.0		
Q BMWW-t	MT20	5.0	8.0	2.50	3.00
R BMWW-t	MT20	5.0	6.0	2.50	2.25
S BMW-t	MT20	3.0	6.0		

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	MAX. UNBRAC	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO		LENGTH FR-TO			
M-AS	0 / 2579	-18.5	-18.5	0.16 (1)	10.00		
AS-AT	0 / 2579	-18.5	-18.5	0.16 (1)	10.00		
AT-AU	0 / 2579	-18.5	-18.5	0.16 (1)	10.00		
AU-L	0 / 2579	-18.5	-18.5	0.16 (1)	10.00		
L-AV	0 / 0	-18.5	-18.5	0.08 (4)	10.00		
AV-K	0 / 0	-18.5	-18.5	0.08 (4)	10.00		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	2-11-8	-38	-42	---	FRONT	VERT	DEAD	---	C1
C	2-11-8	-191	-191	---	FRONT	VERT	SNOW	---	C1
H	32-2-8	-38	-42	---	FRONT	VERT	DEAD	---	C1
H	32-2-8	-118	-118	---	FRONT	VERT	TOTAL	---	C1
H	32-2-8	-191	-191	---	FRONT	VERT	SNOW	---	C1
L	31-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
P	11-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
T	3-11-4	-111	-111	---	FRONT	VERT	TOTAL	---	C1
U	5-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
V	7-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
W	9-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
X	11-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Y	13-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Z	15-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AA	17-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AB	19-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AC	21-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AD	23-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AE	25-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AF	27-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AG	29-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AH	1-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AI	3-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AJ	5-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AK	7-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AL	9-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AM	13-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AN	15-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AO	17-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AP	19-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AQ	21-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AR	23-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AS	25-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AT	27-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AU	29-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AV	33-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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



Structural component only
DWG# T-2007081 3/1

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	T20Z	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRAUSS DESC.			

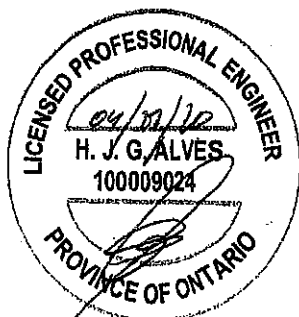
Version 8.310 S Oct 29 2019 Mitak Industries, Inc. Sat Apr 26 11:19:45 2020 Page 2
ID:h2dfiqC44wS E2tzoPs at2lIRw-UJCOUmko9VL9YAq n0ggaJuZo4EB5KGTB585vzNCX

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	7.0	8.0		
C	TTWW+m	MT20	8.0	9.0	3.50	1.75
D	TMWW-t	MT20	5.0	8.0	2.50	2.50
E	TMW+w	MT20	3.0	8.0		
F	TS-t	MT20	5.0	8.0		
G	TMWW-t	MT20	5.0	8.0	2.50	2.50
H	TTWW+m	MT20	8.0	9.0	3.50	1.75
I	TMVW+p	MT20	7.0	8.0		
K	BMV1+p	MT20	3.0	8.0		
L	BMWW-t	MT20	5.0	8.0	2.50	2.25
M	BMWW-t	MT20	5.0	8.0	2.50	2.75
N	BS-t	MT20	6.0	9.0		
O	BMWWW-t	MT20	5.0	12.0	2.75	6.00
P	BS-t	MT20	8.0	9.0		
Q	BMWW-t	MT20	5.0	8.0	2.50	2.75
R	BMWW-t	MT20	5.0	8.0	2.50	2.25
S	BMV1+p	MT20	3.0	8.0		

CONNECTION REQUIREMENTS

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

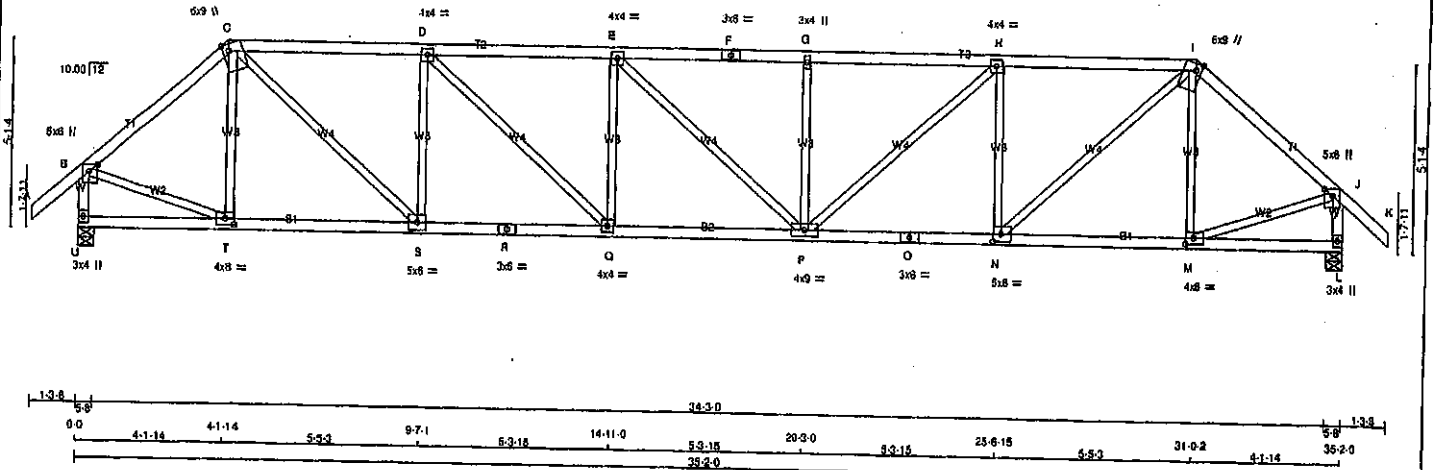


Structural component only
DWG# T-2007082 76

JOB NAME 408151	TRUSS NAME T21	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 MTek Industries, Inc. Sat Apr 25 11:19:48 2020 Page 1
ID:h2dfiqC44wS_E2izqPs_atzIRw-AVImymMZTdCnllOYUXpMmr1ECRIwaZQhrridOzNCXh
20 J 0 5.3 15 25 4 15 4.5 3 35 2 0 78 5 8 1.3 3 4
Scale = 1:57.3



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

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

PLATES (tablets in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B TMW+m	MT20	5.0	8.0	Edge 2.75	
C TTWW+p	MT20	8.0	9.0	Edge 1.75	
D, E, H					
D TMW-l	MT20	4.0	4.0		
F TS-l	MT20	3.0	8.0		
G TMW+w	MT20	2.0	4.0		
I TTWW+m	MT20	6.0	8.0	Edge 1.75	
J TMW+p	MT20	5.0	8.0	Edge 2.75	
L BMW-l	MT20	3.0	4.0		
M BMW+l	MT20	4.0	8.0	2.00 2.75	
N BMW-l	MT20	5.0	6.0	2.50 2.75	
O BS-l	MT20	3.0	8.0		
P BMW-l	MT20	4.0	9.0		
Q BMW-l	MT20	4.0	4.0		
R BS-l	MT20	3.0	8.0		
S BMW-l	MT20	5.0	8.0		
T BMW-l	MT20	4.0	8.0	2.00 2.75	
U BMW-l	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			
GROSS REACTION				GROSS REACTION			
JT	VERT	HORZ	DOWN	JT	VERT	HORZ	UPLIFT
U	2086	0	0	U	2086	0	0
L	2086	0	0	L	2086	0	0

UNFACTORED REACTIONS							
1ST LCASE MAX/MIN COMPONENT REACTIONS							
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	1458	971/0	0/0	0/0	0/0	488/0	0/0
L	1458	971/0	0/0	0/0	0/0	488/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.20 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. CSF (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSF (LC)	MAX. UNBRACED LENGTH
FR-TO				FR-TO			
A-B	0/41	-91.8	-91.8 0.13 (1)	T-C	-358/0	0.14 (1)	10.00
B-C	-1980/0	-91.8	-91.8 0.38 (1)	C-S	0/1836	0.41 (1)	4.48
C-D	-2871/0	-91.8	-91.8 0.57 (1)	S-D	-1118/0	0.43 (1)	3.59
D-E	-3508/0	-91.8	-91.8 0.65 (1)	D-Q	0/856	0.19 (1)	3.21
E-F	-3505/0	-91.8	-91.8 0.53 (1)	Q-E	-475/0	0.18 (1)	3.36
F-G	-3505/0	-91.8	-91.8 0.53 (1)	E-P	-2/0	0.00 (1)	3.36
G-H	-3505/0	-91.8	-91.8 0.57 (1)	P-G	-474/0	0.18 (1)	3.59
H-I	-2871/0	-91.8	-91.8 0.38 (1)	I-H	0/853	0.19 (1)	3.59
I-J	-1980/0	-91.8	-91.8 0.38 (1)	H-N	-1117/0	0.43 (1)	4.48
J-K	0/41	-91.8	-91.8 0.38 (1)	N-I	0/1837	0.41 (1)	10.00
U-B	-2037/0	0.0	0.0 0.22 (1)	M-I	-358/0	0.14 (1)	5.92
L-J	-2037/0	0.0	0.0 0.22 (1)	B-T	0/1571	0.35 (1)	5.92
U-T	0/0	-18.5	-18.5 0.10 (4)	M-J	0/1571	0.35 (1)	10.00
T-S	0/1484	-18.5	-18.5 0.30 (1)				
S-R	0/2871	-18.5	-18.5 0.51 (1)				
R-Q	0/2871	-18.5	-18.5 0.51 (1)				
Q-P	0/3508	-18.5	-18.5 0.62 (1)				
P-O	0/2872	-18.5	-18.5 0.51 (1)				
O-N	0/2872	-18.5	-18.5 0.51 (1)				
N-M	0/1484	-18.5	-18.5 0.30 (1)				
M-L	0/0	-18.5	-18.5 0.10 (4)				

TOTAL WEIGHT = 2 X 147 = 294 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. CG

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

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

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

(58% 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 (1.17")
CALCULATED VERT. DEFL.(LL) = L/989 (0.20")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/989 (0.39")

CSF: TC=0.66/1.00 (G-H:1), BC=0.62/1.00 (P-Q:1),
WB=0.43/1.00 (D-S:1), SS=0.23/1.00 (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

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 1857 788 1857 1858

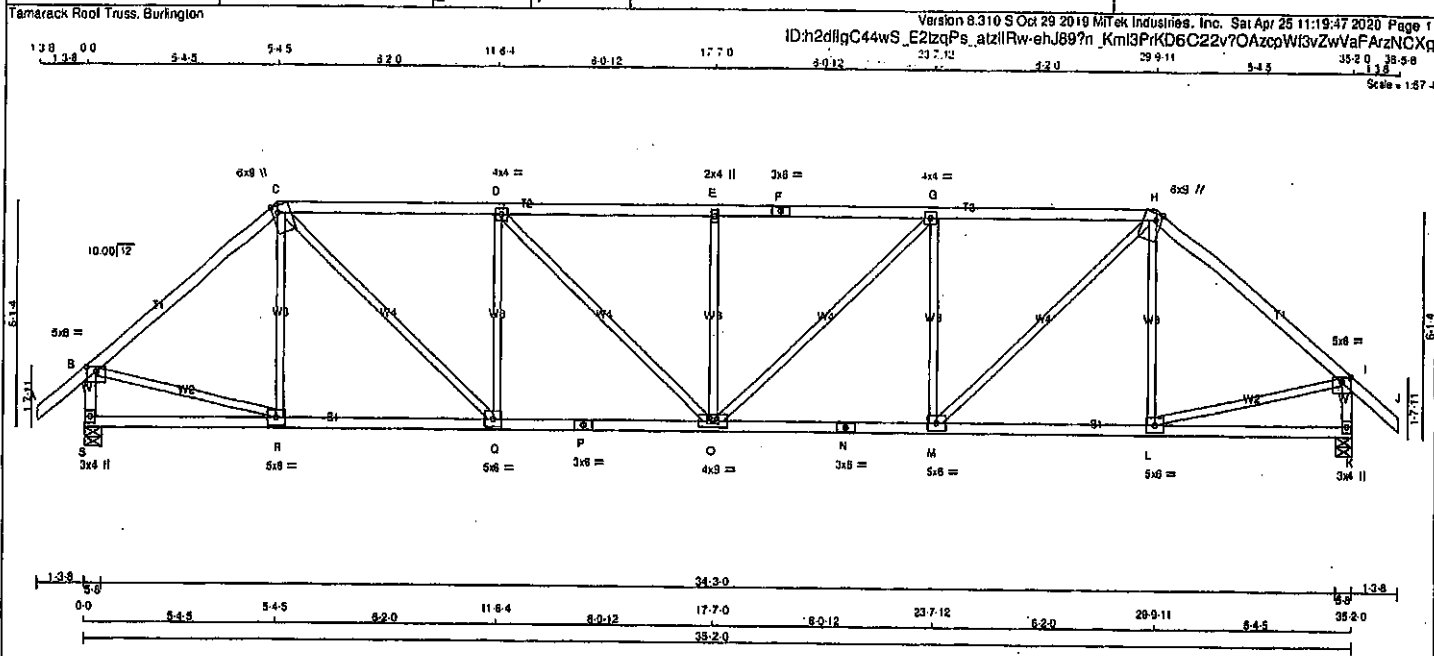
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 6.0 Deg.

JSI GRIP= 0.80 (S) (INPUT = 0.80)
JSI METAL= 0.90 (C) (INPUT = 1.00)



Structural component only
DWG# T-2007083



LUMBER

N. L. G. A. RULES

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

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMW-p	MT20	5.0	8.0	1.50	3.00
C	TTWW-m	MT20	8.0	9.0	Edge	1.75
D	TMWW-l	MT20	4.0	4.0		
E	TMW-w	MT20	2.0	4.0		
F	TS-l	MT20	3.0	8.0		
G	TMWW-l	MT20	4.0	4.0		
H	TTWW-m	MT20	8.0	9.0	Edge	1.75
I	TMWW-p	MT20	5.0	8.0	1.50	3.00
K	BMV-l-p	MT20	3.0	4.0		
L, M, O, R						
L	BMWW-l	MT20	5.0	8.0		
N	BS-l	MT20	3.0	8.0		
O	BMWW-l	MT20	4.0	9.0		
P	BS-l	MT20	3.0	8.0		
S	BMV-l-p	MT20	3.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
S	2088 0	2088 0	5-8	5-8
K	2088 0	2088 0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN COMPONENT REACTIONS	WIND	DEAD	SOIL
S	1458	971 / 0	0 / 0	488 / 0	0 / 0
K	1458	971 / 0	0 / 0	488 / 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 = 3.28 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 (PL)	MAX. CS (LC)	MEMB.	FORCE (LBS)	MAX. CS (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 41	-91.8 -91.8 0.13 (1)	10.00	R-C	-248 / 7	0.14 (1)	
B-C	-2004 / 0	-91.8 -91.8 0.84 (1)	4.11	C-D	0 / 1538	0.35 (1)	
C-D	-2853 / 0	-91.8 -91.8 0.74 (1)	3.50	D-E	-943 / 0	0.55 (1)	
D-E	-2878 / 0	-91.8 -91.8 0.78 (1)	3.28	E-F	0 / 450	0.10 (1)	
E-F	-2878 / 0	-91.8 -91.8 0.78 (1)	3.28	F-G	-513 / 0	0.30 (1)	
F-G	-2878 / 0	-91.8 -91.8 0.78 (1)	3.28	G-H	0 / 450	0.10 (1)	
G-H	-2853 / 0	-91.8 -91.8 0.74 (1)	3.50	H-I	-943 / 0	0.55 (1)	
H-I	-2004 / 0	-91.8 -91.8 0.84 (1)	4.11	I-J	0 / 1538	0.35 (1)	
I-J	0 / 41	-91.8 -91.8 0.13 (1)	10.00	J-K	-248 / 7	0.14 (1)	
S-B	-2028 / 0	0.0 0.0 0.22 (1)	5.94	B-R	0 / 1580	0.36 (1)	
K-I	-2028 / 0	0.0 0.0 0.22 (1)	5.94	L-I	0 / 1580	0.36 (1)	
S-R	0 / 0	-18.5 -18.5 0.14 (4)	10.00				
R-Q	0 / 1532	-18.5 -18.5 0.33 (1)	10.00				
Q-P	0 / 2853	-18.5 -18.5 0.49 (1)	10.00				
P-O	0 / 2853	-18.5 -18.5 0.49 (1)	10.00				
O-N	0 / 2853	-18.5 -18.5 0.49 (1)	10.00				
N-M	0 / 2853	-18.5 -18.5 0.49 (1)	10.00				
M-L	0 / 1532	-18.5 -18.5 0.33 (1)	10.00				
L-K	0 / 0	-18.5 -18.5 0.14 (4)	10.00				

TOTAL WEIGHT = 2 X 148 = 296 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

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012, 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 (1.17")
CALCULATED VERT. DEFL. (LL) = L/999 (0.18")
ALLOWABLE DEFL. (TL) = L/360 (1.17")
CALCULATED VERT. DEFL. (TL) = L/999 (0.28")

CS: TC=0.78/1.00 (D-E:1), BC=0.49/1.00 (O-Q:1), WB=0.55/1.00 (G-M:1), SS=0.27/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 .018 354 1887 788 1987 1856

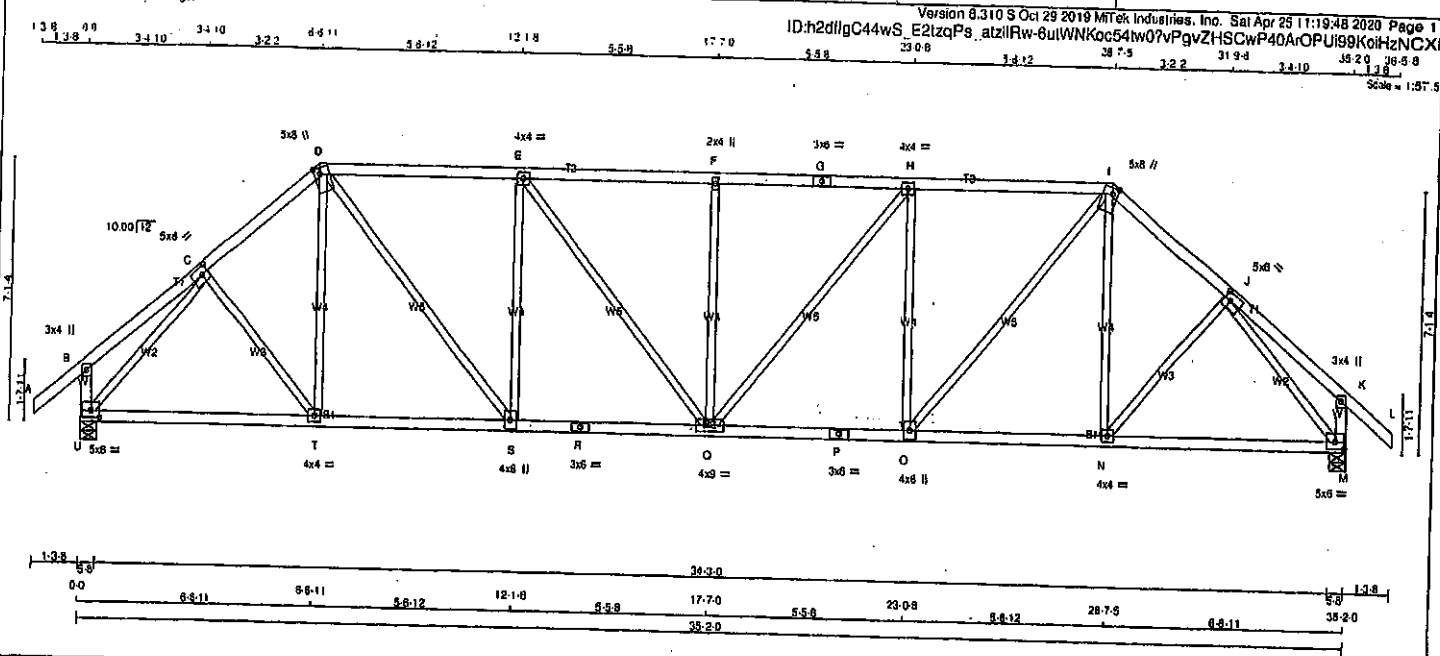
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.90 (B) (INPUT = 0.90)
JSI METAL=0.85 (N) (INPUT = 1.00)



Structural component only
DWG# T-2007084



LUMBER

N.L.G.A. RULES

CHORDS	SIZE	LUMBER
A - D	2x4	DRY No.2
E - H	2x4	DRY No.2
I - L	2x4	DRY No.2
M - K	2x4	DRY No.2
N - R	2x4	DRY No.2
S - P	2x4	DRY No.2
T - M	2x4	DRY No.2
ALL WEBS EXCEPT	2x3	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	6.0	2.50 2.25
D	TTWW+m	MT20	5.0	6.0	2.00 1.75
E	TMWW+1	MT20	4.0	4.0	
F	TMWW+1	MT20	2.0	4.0	
G	TS-1	MT20	3.0	6.0	
H	TMWW+1	MT20	4.0	4.0	
I	TTWW+m	MT20	5.0	6.0	2.00 1.75
J	TMWW+1	MT20	5.0	6.0	2.50 2.25
K	TMV+p	MT20	3.0	4.0	
M	BMVW+1	MT20	5.0	6.0	2.25 3.00
N	BMWW+1	MT20	4.0	4.0	
O	BMWW+1	MT20	4.0	6.0	
P	BS+1	MT20	3.0	6.0	
Q	BMWW+1	MT20	4.0	6.0	
R	BS+1	MT20	3.0	6.0	
S	BMWW+1	MT20	4.0	6.0	
T	BMWW+1	MT20	4.0	4.0	
U	BMVW+1	MT20	5.0	6.0	2.25 3.00

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	RECORD BRG IN-SX
	VERT	HORZ	DOWN	UPLIFT		
U	2068	0	2068	0	5-8	5-8
M	2088	0	2088	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE		MAX./MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
U	1458	971 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0
M	1458	971 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.77 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM TO		FR-TO			
A-B	0 / 41	-91.8	-91.8	0.13 (1)	C-T	0 / 158	0.04 (1)
B-C	0 / 19	-91.8	-91.8	0.14 (1)	T-D	0 / 76	0.03 (4)
C-D	-2023 / 0	-91.8	-91.8	0.20 (1)	D-S	0 / 1220	0.27 (1)
D-E	-2308 / 0	-91.8	-91.8	0.55 (1)	S-E	-850 / 0	0.74 (1)
E-F	-2534 / 0	-91.8	-91.8	0.57 (1)	E-Q	0 / 381	0.08 (1)
F-G	-2534 / 0	-91.8	-91.8	0.57 (1)	Q-F	-461 / 0	0.40 (1)
G-H	-2534 / 0	-91.8	-91.8	0.57 (1)	H-Q	0 / 381	0.08 (1)
H-I	-2308 / 0	-91.8	-91.8	0.55 (1)	O-H	-850 / 0	0.74 (1)
I-J	-2023 / 0	-91.8	-91.8	0.20 (1)	C-I	0 / 1220	0.27 (1)
J-K	0 / 19	-91.8	-91.8	0.14 (1)	N-I	0 / 76	0.03 (4)
K-L	0 / 41	-91.8	-91.8	0.13 (1)	N-J	0 / 158	0.04 (1)
U-B	-248 / 0	0.0	0.0	0.03 (1)	U-C	-2277 / 0	0.98 (1)
M-K	-248 / 0	0.0	0.0	0.03 (1)	J-M	-2277 / 0	0.98 (1)
U-T	0 / 1433	-18.5	-18.5	0.33 (1)			
T-S	0 / 1535	-18.5	-18.5	0.35 (1)			
S-R	0 / 2308	-18.5	-18.5	0.42 (1)			
R-Q	0 / 2308	-18.5	-18.5	0.42 (1)			
Q-P	0 / 2308	-18.5	-18.5	0.42 (1)			
P-O	0 / 2308	-18.5	-18.5	0.42 (1)			
O-N	0 / 1535	-18.5	-18.5	0.35 (1)			
N-M	0 / 1433	-18.5	-18.5	0.33 (1)			

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

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBCO 2018, CBC 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 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (1.17")
CALCULATED VERT. DEFL. (LL) = L/999 (0.13")
ALLOWABLE DEFL. (TL) = L/360 (1.17")
CALCULATED VERT. DEFL. (TL) = L/999 (0.23")

CSI: TO=0.57/1.00 (E-F:1), BC=0.42/1.00 (O-Q:1), WB=0.98/1.00 (J-M:1), SS=0.24/1.00 (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 1667 788 1987 1656

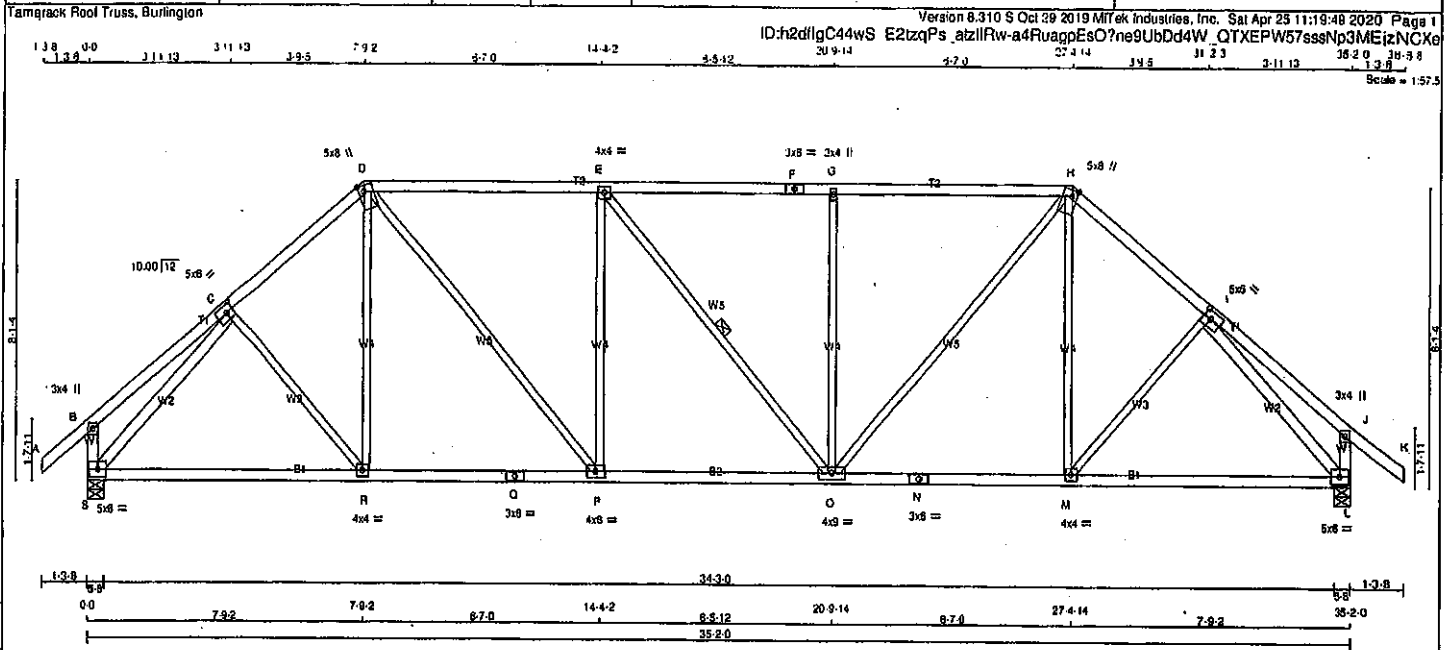
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.89 (i) (INPUT = 0.90)
JSI METAL = 0.72 (P) (INPUT = 1.00)



JOB NAME 408151	TRUSS NAME T24	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Sat Apr 25 11:19:48 2020 Page 1			



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

DRY: SEASONED LUMBER.

PLATES (table 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 2.50
D TTWW+m	MT20	5.0	6.0	2.00 1.75
E TMWW+1	MT20	4.0	4.0	
F TS-1	MT20	3.0	6.0	
G TMW+1	MT20	2.0	4.0	
H TTWW+m	MT20	5.0	6.0	2.00 1.75
I TMWW+1	MT20	5.0	6.0	2.50 2.50
J TMV+p	MT20	3.0	4.0	
L BMWW+1	MT20	5.0	6.0	
M BMWW+1	MT20	4.0	4.0	
N BS-1	MT20	3.0	6.0	
O BMWW+1	MT20	4.0	4.0	
P BMWW+1	MT20	4.0	4.0	
Q BS-1	MT20	3.0	6.0	
R BMWW+1	MT20	4.0	4.0	
S BMWW+1	MT20	5.0	6.0	

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS REACTION	GROSS REACTION	DOWN	HORZ	BRG	BRG	IN-SX	IN-SX
S	2088	0	2088	0	0	5-8	5-8		
L	2088	0	2088	0	0	5-8	5-8		

UNFACTORED REACTIONS		1ST CASE		MAX/MIN COMPONENT REACTIONS		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND				
S	1458	971 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0		
L	1458	971 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0		

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.81 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLP)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 41	-91.8	-91.8 0.13 (1)	G-R	0 / 64	0.02 (4)	
B-C	0 / 28	-91.8	-91.8 0.21 (1)	R-D	0 / 125	0.04 (4)	
C-D	-2006 / 0	-91.8	-91.8 0.29 (1)	D-P	0 / 998	0.22 (1)	
D-E	-2182 / 0	-91.8	-91.8 0.73 (1)	P-E	-650 / 0	0.82 (1)	
E-F	-2182 / 0	-91.8	-91.8 0.73 (1)	E-O	-2 / 0	0.00 (1)	
F-G	-2182 / 0	-91.8	-91.8 0.73 (1)	O-G	-649 / 0	0.82 (1)	
G-H	-2182 / 0	-91.8	-91.8 0.73 (1)	H-I	0 / 998	0.22 (1)	
H-I	-2006 / 0	-91.8	-91.8 0.29 (1)	I-J	0 / 125	0.04 (4)	
I-J	0 / 28	-91.8	-91.8 0.21 (1)	M-I	0 / 64	0.02 (4)	
J-K	0 / 41	-91.8	-91.8 0.13 (1)	S-C	-2291 / 0	0.97 (1)	
S-B	-284 / 0	0.0	0.0 0.03 (1)	L-L	-2291 / 0	0.97 (1)	
L-J	-284 / 0	0.0	0.0 0.03 (1)				

S-R	0 / 1487	-18.5	-18.5 0.38 (1)	10.00
R-Q	0 / 1519	-18.5	-18.5 0.39 (1)	10.00
Q-P	0 / 1519	-18.5	-18.5 0.39 (1)	10.00
P-O	0 / 2163	-18.5	-18.5 0.42 (1)	10.00
O-N	0 / 1519	-18.5	-18.5 0.39 (1)	10.00
N-M	0 / 1519	-18.5	-18.5 0.39 (1)	10.00
M-L	0 / 1487	-18.5	-18.5 0.38 (1)	10.00

TOTAL WEIGHT = 2 X 163 = 326 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 28.6 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 6.00/12

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-08, 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 (1.17")
CALCULATED VERT. DEFL. (LL) = L/999 (0.10")
ALLOWABLE DEFL. (TL) = L/360 (1.17")
CALCULATED VERT. DEFL. (TL) = L/999 (0.21")

CSI: TC=0.73/1.00 (D-E:1), BC=0.42/1.00 (O-P:1), WB=0.97/1.00 (I-L:1), SS=0.28/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION (PSI) (PLI) (PLJ)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 768 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

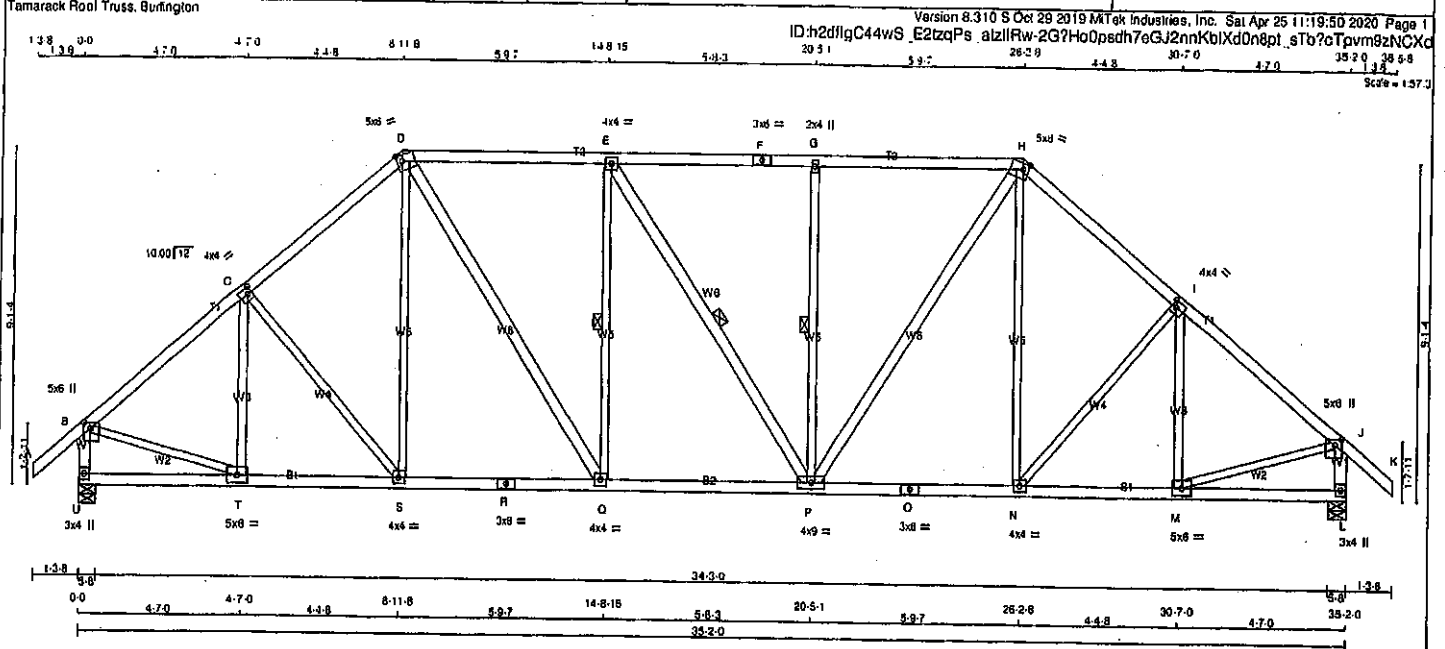
JSI GRIP= 0.87 (I) (INPUT = 0.80)

JSI METAL= 0.56 (I) (INPUT = 1.00)



Structural component only
DWG# T-2007086

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	T25	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					



LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER				TOTAL WEIGHT = 2 X 182 = 363 lb			
N. L. G. A. RULES				BEARINGS				DESIGN CRITERIA			
CHORDS	SIZE	LUMBER	DESCR.	FACTORED	MAXIMUM FACTORED	INPUT	RECORD	SPECIFIED LOADS:			
A - D	2x4	DRY	No.2	GROSS REACTION	GROSS REACTION	BRG	BRG	TOP CH. LL = 25.8 PSF			
D - F	2x4	DRY	No.2	JT VERT	DOWN	HORIZ	UPLIFT	DL = 6.0 PSF			
F - H	2x4	DRY	No.2	U 2068	0	0	0	BOT CH. LL = 0.0 PSF			
H - K	2x4	DRY	No.2	L 2068	0	0	0	DL = 7.4 PSF			
U - B	2x4	DRY	No.2	UNFACTORED REACTIONS				TOTAL LOAD = 39.0 PSF			
L - J	2x4	DRY	No.2	1ST LCASE	MAX/MIN	COMPONENT REACTIONS		SPACING = 24.0 IN. C/C			
U - R	2x4	DRY	No.2	JT COMBINED	SNOW	LIVE	PERM. LIVE	LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12			
R - O	2x4	DRY	No.2	U 1458	971.0	0.0	0.0	THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBCC 2015			
O - L	2x4	DRY	No.2	L 1458	971.0	0.0	0.0	THIS DESIGN COMPLIES WITH:			
ALL WEBS 2x3 DRY No.2				BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) U, L				- PART 9 OF CBC 2010, CBC 2012, ABC 2019			
EXCEPT				BRACING				- PART 9 OF CBC 2012 (2019 AMENDMENT)			
D - Q	2x4	DRY	No.2	TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.44 FT.				- CSA 088-00, CSA 088-14			
E - P	2x4	DRY	No.2	MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.				- TPIC 2011, TPIC 2014			
P - H	2x4	DRY	No.2	ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.				(85 % 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			
DRY: SEASONED LUMBER.				1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-Q, E-P, G-P.				ALLOWABLE DEFL.(LL) = L/360 (1.17)			

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW+p	MT20	5.0	6.0	2.00	2.00
C TMVW-l	MT20	4.0	4.0	2.00	1.25
D TTWW-m	MT20	5.0	6.0	2.00	1.75
E TMVW-l	MT20	4.0	4.0		
F TS-l	MT20	3.0	3.0		
G TMVW-w	MT20	2.0	4.0		
H TTWW-m	MT20	5.0	6.0	2.00	1.75
I TMVW-l	MT20	4.0	4.0	2.00	1.25
J TMVW-p	MT20	5.0	6.0	2.00	2.00
L BMV1+p	MT20	3.0	4.0		
M BMVW-l	MT20	5.0	6.0		
N, Q, S					
N BMVW-l	MT20	4.0	4.0		
O BS-l	MT20	3.0	6.0		
P BMVW-l	MT20	4.0	9.0		
R BS-l	MT20	3.0	6.0		
T BMVW-l	MT20	5.0	6.0		
U BMV1+p	MT20	3.0	4.0		

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX LC1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX LC1 (LC)	
A-B	0.0	-91.8	-91.8 0.13 (1)	T-C	-357.0	0.18 (1)	
B-C	-1984.0	-91.8	-91.8 0.30 (1)	C-S	-121.0	0.10 (1)	
C-D	-1957.0	-91.8	-91.8 0.29 (1)	S-D	0.188	0.05 (4)	
D-E	-1923.0	-91.8	-91.8 0.40 (1)	D-Q	0.810	0.13 (1)	
E-F	-1921.0	-91.8	-91.8 0.37 (1)	Q-E	-969.0	0.31 (1)	
F-G	-1921.0	-91.8	-91.8 0.40 (1)	E-P	-3.0	0.00 (1)	
G-H	-1921.0	-91.8	-91.8 0.37 (1)	P-G	-988.0	0.31 (1)	
H-I	-1957.0	-91.8	-91.8 0.29 (1)	I-H	0.807	0.13 (1)	
I-J	-1984.0	-91.8	-91.8 0.30 (1)	J-K	0.189	0.05 (4)	
J-K	0.0	0.0	0.0 0.22 (1)	K-L	-121.0	0.10 (1)	
L-M	-2028.0	0.0	0.0 0.22 (1)	M-L	-358.0	0.16 (1)	
M-L	-2028.0	0.0	0.0 0.22 (1)	L-M	0.1817	0.38 (1)	
U-T	0.0	-18.5	-18.5 0.09 (4)	T-U	0.1817	0.38 (1)	
T-S	0.1555	-18.5	-18.5 0.30 (1)	S-R			
S-R	0.1477	-18.5	-18.5 0.30 (1)	R-Q			
R-Q	0.1477	-18.5	-18.5 0.30 (1)	Q-P			
Q-P	0.1923	-18.5	-18.5 0.38 (1)	P-O			
P-O	0.1478	-18.5	-18.5 0.30 (1)	O-N			
O-N	0.1478	-18.5	-18.5 0.30 (1)	N-M			
N-M	0.1555	-18.5	-18.5 0.31 (1)	M-L			
M-L	0.0	-18.5	-18.5 0.09 (4)				

ALLOWABLE DEFL.(LL) = L/360 (1.17)
CALCULATED VERT. DEFL.(LL) = U/999 (0.08)
ALLOWABLE DEFL.(TL) = L/360 (1.17)
CALCULATED VERT. DEFL.(TL) = U/999 (0.16)

CS: TC=0.40/1.00 (D-E:1), BC=0.38/1.00 (P-Q:1), WB=0.38/1.00 (B-T:1), SB=0.25/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

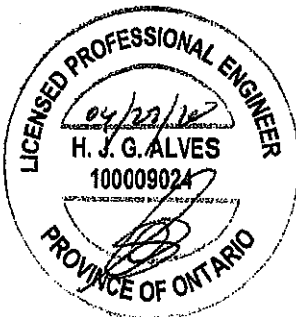
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1667 788 1987 1688

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.89 (B) (INPUT = 0.90)
JSI METAL = 0.50 (O) (INPUT = 1.00)

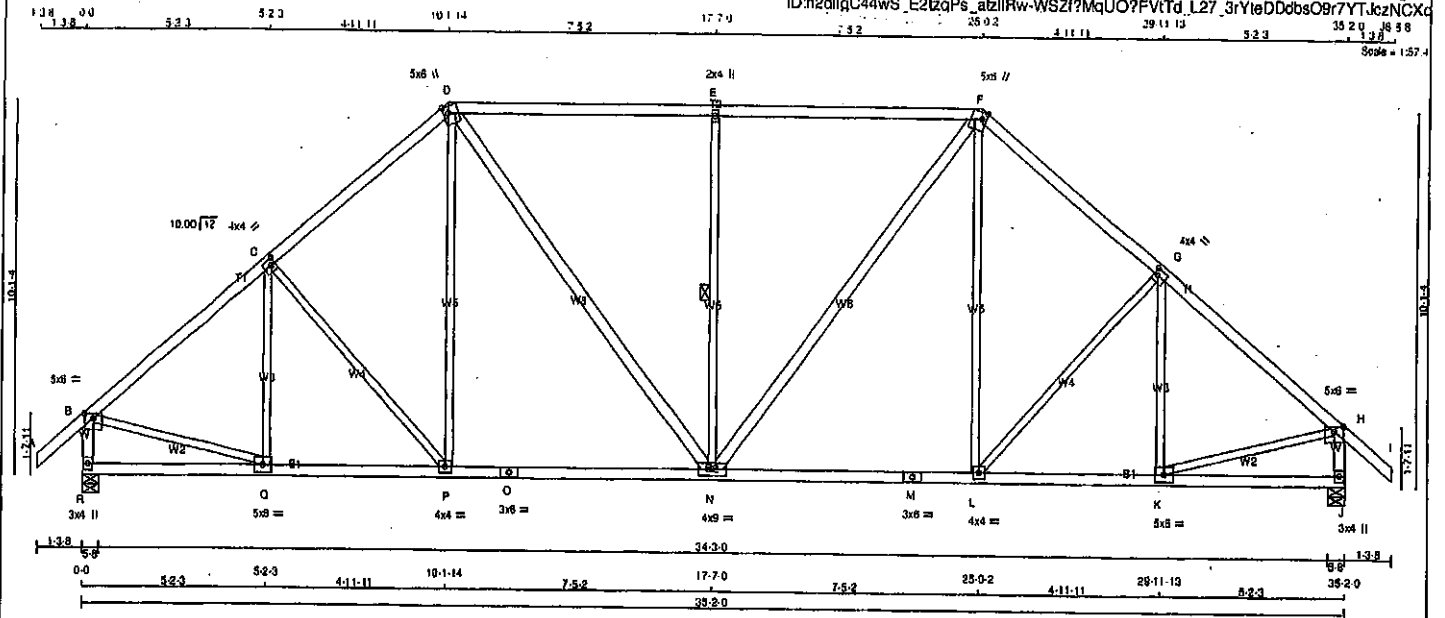


Structural component only
DWG# T-2007087

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	T26	4	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	DRY
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 - O	2x4	DRY	No.2
O - M	2x4	DRY	No.2
M - J	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
D - N	2x4	DRY	No.2
N - F	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	1.50	3.00
C	TMVW-l	MT20	4.0	4.0	2.00	1.25
D	TTWW+m	MT20	5.0	8.0	2.25	1.50
E	TMVW-w	MT20	2.0	4.0		
F	TTWW+m	MT20	5.0	8.0	2.25	1.50
G	TMVW-l	MT20	4.0	4.0	2.00	1.25
H	TMVW-p	MT20	5.0	8.0	1.50	3.00
J	BMVl-p	MT20	3.0	4.0		
K	BMVW-l	MT20	5.0	8.0		
L	BS-l	MT20	4.0	4.0		
N	BMVW-l	MT20	3.0	8.0		
O	BS-l	MT20	4.0	4.0		
P	BMVW-l	MT20	3.0	8.0		
Q	BMVW-l	MT20	5.0	8.0		
R	BMVl-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	JT	GROSS REACTION	JT	GROSS REACTION	JT	GROSS REACTION	JT	GROSS REACTION
R	2088	0	2088	0	0	5-8	5-8	5-8	5-8
J	2088	0	2088	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS

1ST CASE		MAX. MIN. COMPONENT REACTIONS	
JT	COMBINED	JT	COMBINED
R	1458	971 / 0	0 / 0
J	1458	971 / 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 = 3.88 FT.

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

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF 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		FACTORED		MEMB.		MAX. FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. (PLF)	MAX. (LBS)	MAX. (LBS)	MAX. (LBS)	MAX. (LBS)	MEMB.	FORCE (LBS)	MAX. (LBS)	MAX. (LBS)
FR-TO		FROM	TO	LENGTH	FR-TO			FR-TO			
A-B	0 / 41	-81.8	-91.8	0.13 (1)	10.00	Q-C	-302 / 0	0.17 (1)			
B-C	-2021 / 0	-81.8	-91.8	0.38 (1)	4.41	C-P	-217 / 0	0.25 (1)			
C-D	-1808 / 0	-81.8	-91.8	0.37 (1)	4.52	P-D	0 / 278	0.08 (1)			
D-E	-1809 / 0	-81.8	-91.8	0.74 (1)	3.98	D-N	0 / 815	0.10 (1)			
E-F	-1809 / 0	-81.8	-91.8	0.74 (1)	3.98	N-E	-838 / 0	0.58 (1)			
F-G	-1809 / 0	-81.8	-91.8	0.37 (1)	4.52	N-F	0 / 815	0.10 (1)			
G-H	-2021 / 0	-81.8	-91.8	0.39 (1)	4.41	L-F	0 / 278	0.08 (1)			
H-I	0 / 41	-81.8	-91.8	0.13 (1)	10.00	L-G	-217 / 0	0.25 (1)			
R-B	-2024 / 0	0.0	0.0	0.22 (1)	5.94	K-G	-302 / 0	0.17 (1)			
J-H	-2024 / 0	0.0	0.0	0.22 (1)	5.94	B-Q	0 / 1829	0.37 (1)			
R-Q	0 / 0	-18.5	-18.5	0.10 (4)	10.00	K-H	0 / 1829	0.37 (1)			
Q-P	0 / 1500	-18.5	-18.5	0.34 (1)	10.00						
P-O	0 / 1437	-18.5	-18.5	0.35 (1)	10.00						
O-N	0 / 1437	-18.5	-18.5	0.35 (1)	10.00						
N-M	0 / 1437	-18.5	-18.5	0.35 (1)	10.00						
M-L	0 / 1437	-18.5	-18.5	0.35 (1)	10.00						
L-K	0 / 1580	-18.5	-18.5	0.34 (1)	10.00						
K-J	0 / 0	-18.5	-18.5	0.10 (4)	10.00						

TOTAL WEIGHT = 4 X 173 = 693 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. O.C.

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, 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 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 (1.17')
CALCULATED VERT. DEFL.(LL) = L/999 (0.08')
ALLOWABLE DEFL.(TL) = L/360 (1.17')
CALCULATED VERT. DEFL.(TL) = L/999 (0.17')

CSI: TC=0.74/1.00 (D-E:1), BC=0.35/1.00 (L-N:1), WB=0.58/1.00 (E-N:1), SSI=0.33/1.00 (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

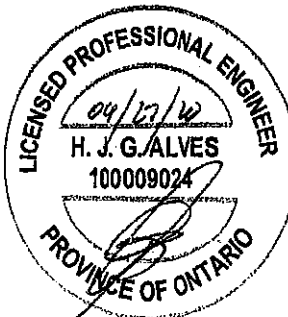
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1688

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL= 0.46 (M) (INPUT = 1.00)

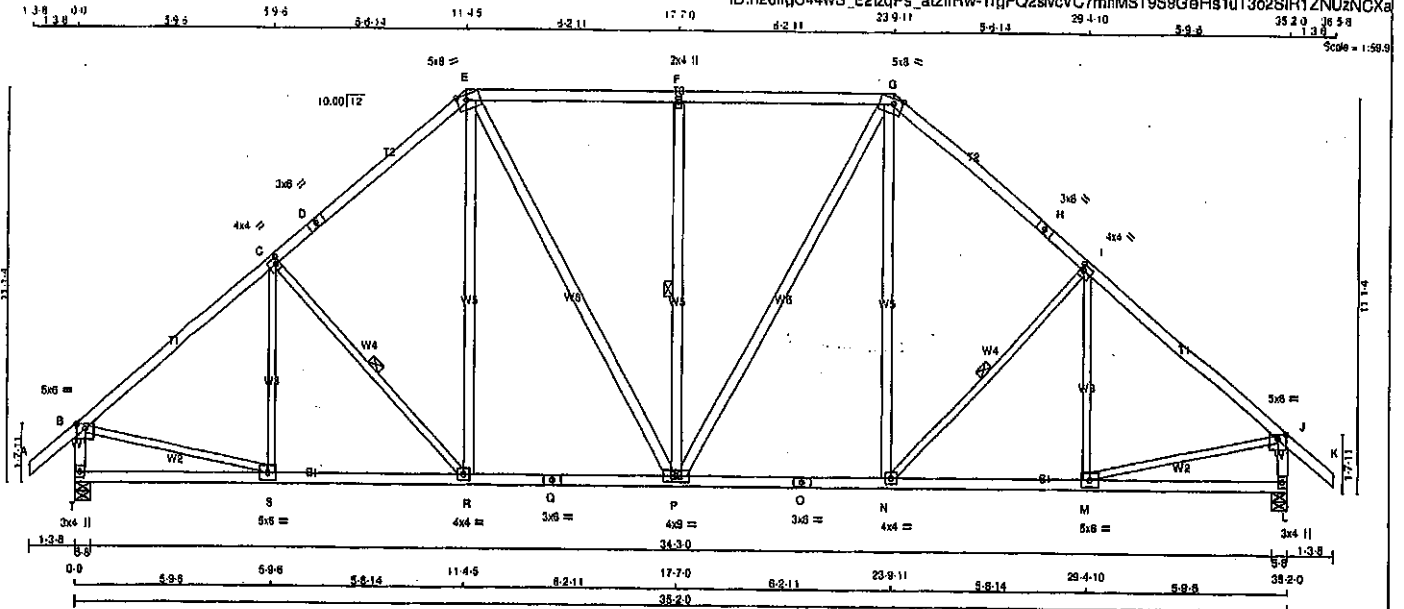


Structural component only
DWG# T-2007088

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	T27	2	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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ID:h2dlfgC44ws_E2tqPs_atzllRw-TrgPQ2slvcVC7mnMST9S9Gehs1uT3o2SIR1ZNUzNCXa



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

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.50	3.00
C	TMVW-l	MT20	4.0	4.0	2.00	1.25
D	TS-l	MT20	3.0	6.0		
E	TTWW-m	MT20	5.0	6.0	Edge	3.00
F	TMVW-w	MT20	2.0	4.0		
G	TTWW-m	MT20	6.0	8.0	Edge	3.00
H	TS-l	MT20	3.0	6.0		
I	TMVW-l	MT20	4.0	4.0	2.00	1.25
J	TMVW-p	MT20	5.0	6.0	1.50	3.00
L	BMV-l	MT20	3.0	4.0		
M	BMVW-l	MT20	5.0	6.0		
N	BMVW-l	MT20	4.0	4.0		
O	BS-l	MT20	3.0	6.0		
P	BMVW-l	MT20	4.0	4.0		
Q	BS-l	MT20	3.0	6.0		
R	BMVW-l	MT20	4.0	4.0		
S	BMVW-l	MT20	5.0	6.0		
T	BMV-l	MT20	3.0	4.0		

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS REACTION	SNOW	GROSS REACTION	DOWN	BRG	IN-SX	BRG	IN-SX
T	2068	0	0	2068	0	0	5-8	5-8	5-8
L	2068	0	0	2068	0	0	5-8	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN	COMPONENT REACTIONS	WIND	DEAD	SOIL
T	1458	971 / 0	0 / 0	0 / 0	469 / 0	0 / 0
L	1458	971 / 0	0 / 0	0 / 0	469 / 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 = 4.27 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-R, F-P, I-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. CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS (LC)
FR-TO		FROM TO	LENGTH	FR-TO		FROM TO	LENGTH
A-B	0 / 41	-91.8	-91.8 0.13 (1)	10.00	S-C	-245 / 10	0.17 (1)
B-C	-2039 / 0	-91.8	-91.8 0.50 (1)	4.27	C-R	-314 / 0	0.15 (1)
C-D	-1844 / 0	-91.8	-91.8 0.46 (1)	4.47	R-E	0 / 338	0.05 (1)
D-E	-1844 / 0	-91.8	-91.8 0.46 (1)	4.47	E-P	0 / 469	0.08 (1)
E-F	-1821 / 0	-91.8	-91.8 0.50 (1)	4.60	P-F	-699 / 0	0.45 (1)
F-G	-1621 / 0	-91.8	-91.8 0.50 (1)	4.60	P-G	0 / 469	0.08 (1)
G-H	-1844 / 0	-91.8	-91.8 0.46 (1)	4.47	N-G	0 / 338	0.05 (1)
H-I	-1844 / 0	-91.8	-91.8 0.46 (1)	4.47	N-I	-314 / 0	0.15 (1)
I-J	-2039 / 0	-91.8	-91.8 0.50 (1)	4.27	M-I	-245 / 10	0.17 (1)
J-K	0 / 41	-91.8	-91.8 0.13 (1)	10.00	B-S	0 / 1637	0.37 (1)
T-B	-2021 / 0	0.0	0.0 0.21 (1)	5.94	M-J	0 / 1637	0.37 (1)
L-J	-2021 / 0	0.0	0.0 0.21 (1)	5.94			
T-S	0 / 0	-18.5	-18.5 0.14 (4)	10.00			
S-R	0 / 1697	-18.5	-18.5 0.33 (1)	10.00			
R-Q	0 / 1387	-18.5	-18.5 0.30 (1)	10.00			
Q-P	0 / 1387	-18.5	-18.5 0.30 (1)	10.00			
P-O	0 / 1387	-18.5	-18.5 0.30 (1)	10.00			
O-N	0 / 1387	-18.5	-18.5 0.30 (1)	10.00			
N-M	0 / 1597	-18.5	-18.5 0.33 (1)	10.00			
M-L	0 / 0	-18.5	-18.5 0.14 (4)	10.00			

TOTAL WEIGHT = 2 X 190 = 380 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 8.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBC 2010, 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 (1.17')
CALCULATED VERT. DEFL.(LL) = L/989 (0.07')
ALLOWABLE DEFL.(TL) = L/360 (1.17')
CALCULATED VERT. DEFL.(TL) = L/989 (0.14')

CSI: TC=0.50/1.00 (E-F:1), BC=0.33/1.00 (M-N:1),
WB=0.45/1.00 (F-P:1), SSI=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 (PSI)	SECTION (PLI)
MT20	618	354 1687 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (J) (INPUT = 0.80)
JSI METAL= 0.47 (O) (INPUT = 1.00)



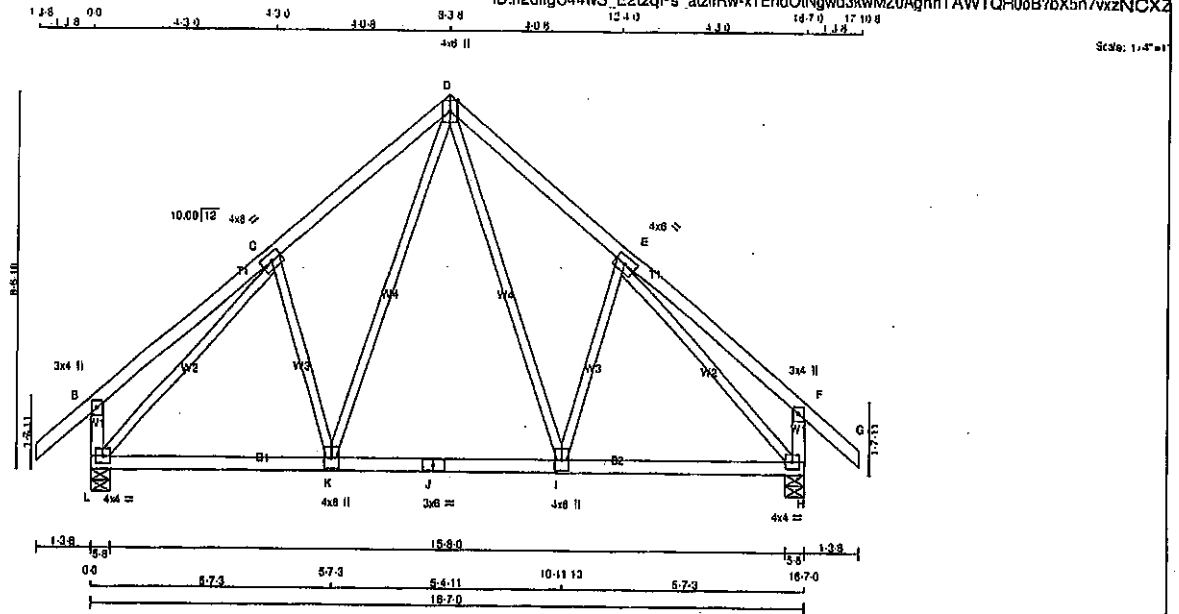
Structural component only
DWG# T-2007089

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	T28	2	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 82 = 163 lb

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

PLATES (Tables in inches)				
JT TYPE	PLATES	W	LEN	Y X
B	TMV+p	MT20	3.0	4.0
C	TMVW+1	MT20	4.0	8.0
D	TTWW+p	MT20	4.0	8.0
E	TMVW+1	MT20	4.0	8.0
F	TMV+p	MT20	3.0	4.0
H	BMVW+1	MT20	4.0	4.0
I	BMVW+1	MT20	4.0	8.0
J	BS+1	MT20	3.0	8.0
K	BMVW+1	MT20	4.0	8.0
L	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 GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX	IN-SX
L	1041	0	1041	0	0	5-8	5-8	5-8	5-8
H	1041	0	1041	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN	COMPONENT REACTIONS	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
L	734	495 / 0	0 / 0	0 / 0	0 / 0	0 / 0	239 / 0	0 / 0	0 / 0
H	734	495 / 0	0 / 0	0 / 0	0 / 0	0 / 0	239 / 0	0 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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		FROM TO		FR-TO		FROM TO	
A-B	0 / 41	-91.8 -91.8	0.13 (1)	10.00	D-I	0 / 339	0.08 (1)
B-C	0 / 29	-91.8 -91.8	0.28 (1)	10.00	E-E	-222 / 0	0.09 (1)
C-D	-784 / 0	-91.8 -91.8	0.20 (1)	8.25	K-D	0 / 339	0.08 (1)
D-E	-784 / 0	-91.8 -91.8	0.20 (1)	8.25	C-K	-222 / 0	0.09 (1)
E-F	0 / 29	-91.8 -91.8	0.28 (1)	10.00	L-C	-964 / 0	0.68 (1)
F-G	0 / 41	-91.8 -91.8	0.13 (1)	10.00	E-H	-964 / 0	0.68 (1)
L-B	-270 / 0	0.0 0.0	0.03 (1)	7.81			
H-F	-270 / 0	0.0 0.0	0.03 (1)	7.81			
L-K	0 / 832	-18.5 -18.5	0.18 (4)	10.00			
K-J	0 / 459	-18.5 -18.5	0.17 (4)	10.00			
J-I	0 / 459	-18.5 -18.5	0.17 (4)	10.00			
I-H	0 / 632	-18.5 -18.5	0.18 (4)	10.00			

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. 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 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.55")
CALCULATED VERT. DEFL.(LL) = $L/989$ (0.02")
ALLOWABLE DEFL.(TL) = $L/360$ (0.55")
CALCULATED VERT. DEFL.(TL) = $L/989$ (0.04")

CSI: TC=0.28/1.00 (B-C:1), BC=0.18/1.00 (H-I:4), WB=0.88/1.00 (E-H:1), SSI=0.14/1.00 (C-D:1)

COL 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 1666

PLATE PLACEMENT TOL. = 0.250 inches

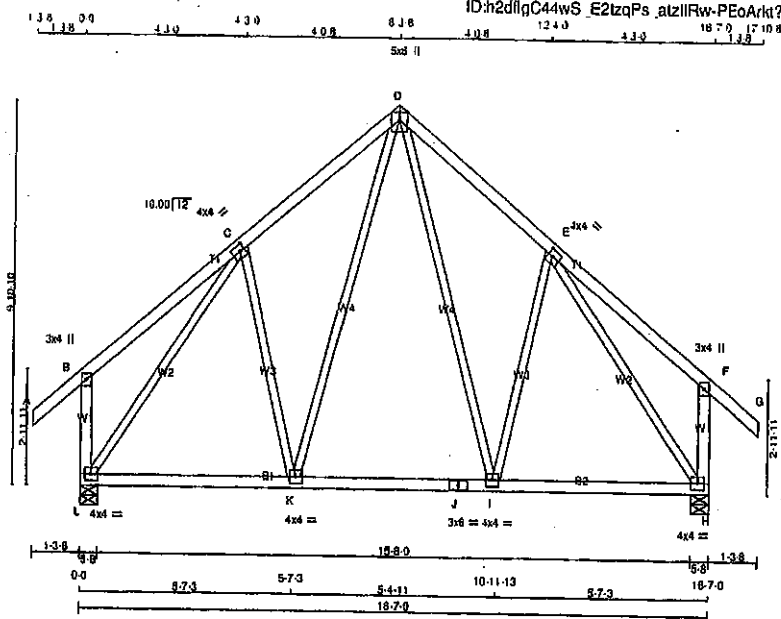
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.78 (C) (INPUT = 0.90)
JSI METAL= 0.28 (C) (INPUT = 1.00)



Structural component only
DWG# T-2007090

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	T29	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
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ID:h2dflgC44wS_E2lzpPs_atzllRw-PEoArk?RElW4xlatBwEh9qdOXaSkmlWpSNzNCXY					
Scale = 1/32"					



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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+P	MT20	3.0	4.0		
C	TMWV+I	MT20	4.0	4.0	2.00	1.50
D	TTWV+P	MT20	5.0	6.0	Edge	
E	TMWV+I	MT20	4.0	4.0	2.00	1.50
F	TMV+P	MT20	3.0	4.0		
H	BMVW+I	MT20	4.0	4.0		
I	BMVW+I	MT20	4.0	4.0		
J	BS+I	MT20	3.0	6.0		
K	BMVW+I	MT20	4.0	4.0		
L	BMVW+I	MT20	4.0	4.0		

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

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
L	1041	0	1041	0
H	1041	0	1041	0

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN	COMPONENT REACTIONS	PERM	LIVE	WIND	DEAD	SOIL
L	734	495 / 0	0 / 0	0 / 0	0 / 0	0 / 0	239 / 0	0 / 0
H	734	495 / 0	0 / 0	0 / 0	0 / 0	0 / 0	239 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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				WEB'S			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 41	-91.8 -91.8 0.13 (1)	10.00	D-I	0 / 254	0.08 (1)	
B-C	0 / 28	-91.8 -91.8 0.28 (1)	10.00	I-E	-138 / 14	0.10 (1)	
C-D	-833 / 0	-91.8 -91.8 0.20 (1)	8.25	K-D	0 / 254	0.08 (1)	
D-E	-833 / 0	-91.8 -91.8 0.20 (1)	8.25	C-K	-138 / 14	0.10 (1)	
E-F	0 / 28	-91.8 -91.8 0.26 (1)	10.00	L-C	-875 / 0	0.90 (1)	
F-G	0 / 41	-91.8 -91.8 0.13 (1)	10.00	E-H	-875 / 0	0.90 (1)	
L-B	-278 / 0	0.0 0.0 0.04 (1)	7.81				
H-F	-278 / 0	0.0 0.0 0.04 (1)	7.81				
L-K	0 / 495	-18.5 -18.5 0.17 (4)	10.00				
K-J	0 / 385	-18.5 -18.5 0.16 (4)	10.00				
J-I	0 / 385	-18.5 -18.5 0.16 (4)	10.00				
I-H	0 / 495	-18.5 -18.5 0.17 (4)	10.00				

TOTAL WEIGHT = 91 lb

(M/F)

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, 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
- TPIC 2011, TPIC 2014

(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) = $L/360$ (0.65")
CALCULATED VERT. DEFL. (LL) = $L/889$ (0.02")
ALLOWABLE DEFL. (TL) = $L/360$ (0.65")
CALCULATED VERT. DEFL. (TL) = $L/889$ (0.04")

CSI: TC=0.28/1.00 (E-F:1), BC=0.17/1.00 (K-L:4), WB=0.90/1.00 (E-H:1), SS=0.14/1.00 (E-F:1)

DDL 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.

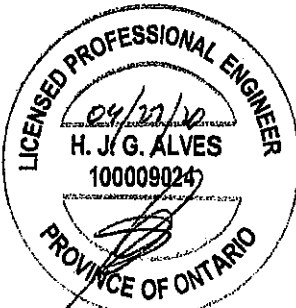
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)	(PL)
MAX	MIN	MAX	MIN
MT20	818	354	1667
	788	1697	1656

PLATE PLACEMENT TOL. = 0.250 inches

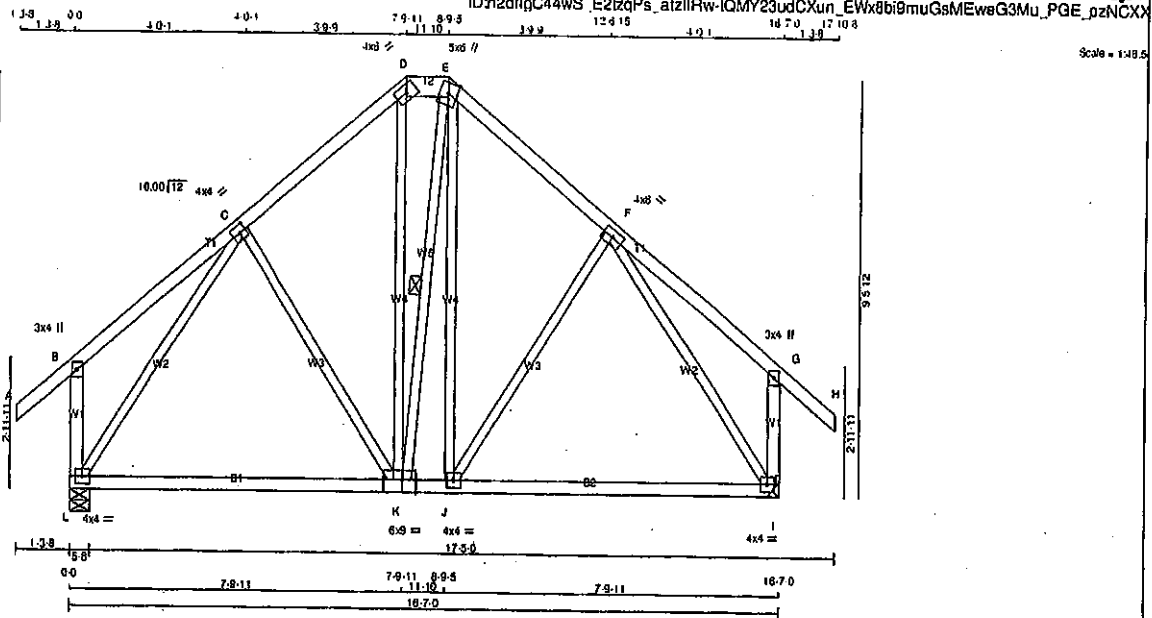
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.88 (E) (INPUT = 0.90)
JSI METAL = 0.34 (C) (INPUT = 1.00)



Structural component only
DWG# T-2007091

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	T30	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			



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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (Tables 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-h	MT20	4.0	8.0		
E TTWW-m	MT20	5.0	8.0	Edge	
F TMVW-1	MT20	4.0	6.0		
G TMV-p	MT20	3.0	4.0		
I BMVW-1	MT20	4.0	4.0		
J BMVW-1	MT20	4.0	4.0		
K BSWW-1	MT20	6.0	9.0	Edge	3.75
L 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	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
L	1041	0	1041	0
I	1041	0	1041	0

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

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	734	495/0	0/0	0/0	0/0	239/0	0/0
I	734	495/0	0/0	0/0	0/0	239/0	0/0

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

BRACING

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

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

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

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

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	FACTORED	MAX	MEMB.	MAX. FACTORED	MAX	
	FORCE	VERT. LOAD	CS1 (LO)		FORCE	CS1 (LC)	
FR-TO	(LBS)	FROM TO		FR-TO	(LBS)		
A-B	0/41	-91.8	-91.8 0.13 (1)	10.00	C-K	-98/9	0.09 (1)
B-C	0/27	-91.8	-91.8 0.23 (1)	10.00	K-D	0/104	0.04 (1)
C-D	-568/0	-91.8	-91.8 0.18 (1)	8.25	K-E	-108/0	0.07 (4)
D-E	-414/0	-91.8	-91.8 0.01 (1)	8.25	J-F	0/288	0.07 (4)
E-F	-582/0	-91.8	-91.8 0.18 (1)	8.25	J-F	-93/15	0.09 (1)
F-G	0/27	-91.8	-91.8 0.23 (1)	10.00	L-C	-946/0	0.78 (1)
G-H	0/41	-91.8	-91.8 0.13 (1)	10.00	F-I	-882/0	0.79 (1)
L-B	-285/0	0.0	0.0 0.04 (1)	7.81			
I-G	-285/0	0.0	0.0 0.04 (1)	7.81			
L-K	0/468	-18.5	-18.5 0.38 (4)	10.00			
K-J	0/424	-18.5	-18.5 0.30 (4)	10.00			
J-I	0/477	-18.5	-18.5 0.30 (4)	10.00			

TOTAL WEIGHT = 97 lb

(MIF)

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. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, CBC 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 26.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.55")

CALCULATED VERT. DEFL.(LL) = L/999 (0.01")

ALLOWABLE DEFL.(TL) = L/360 (0.55")

CALCULATED VERT. DEFL.(TL) = L/999 (0.17")

CSI: TC=0.23/1.00 (B-C:1), BC=0.36/1.00 (K-L:4), WB=0.79/1.00 (F-I:1), SS=0.14/1.00 (J-K:4)

DCL 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

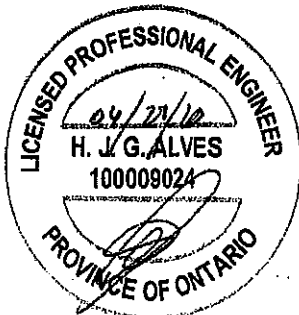
PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX	MIN	MAX	MIN
MT20	618	384	1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

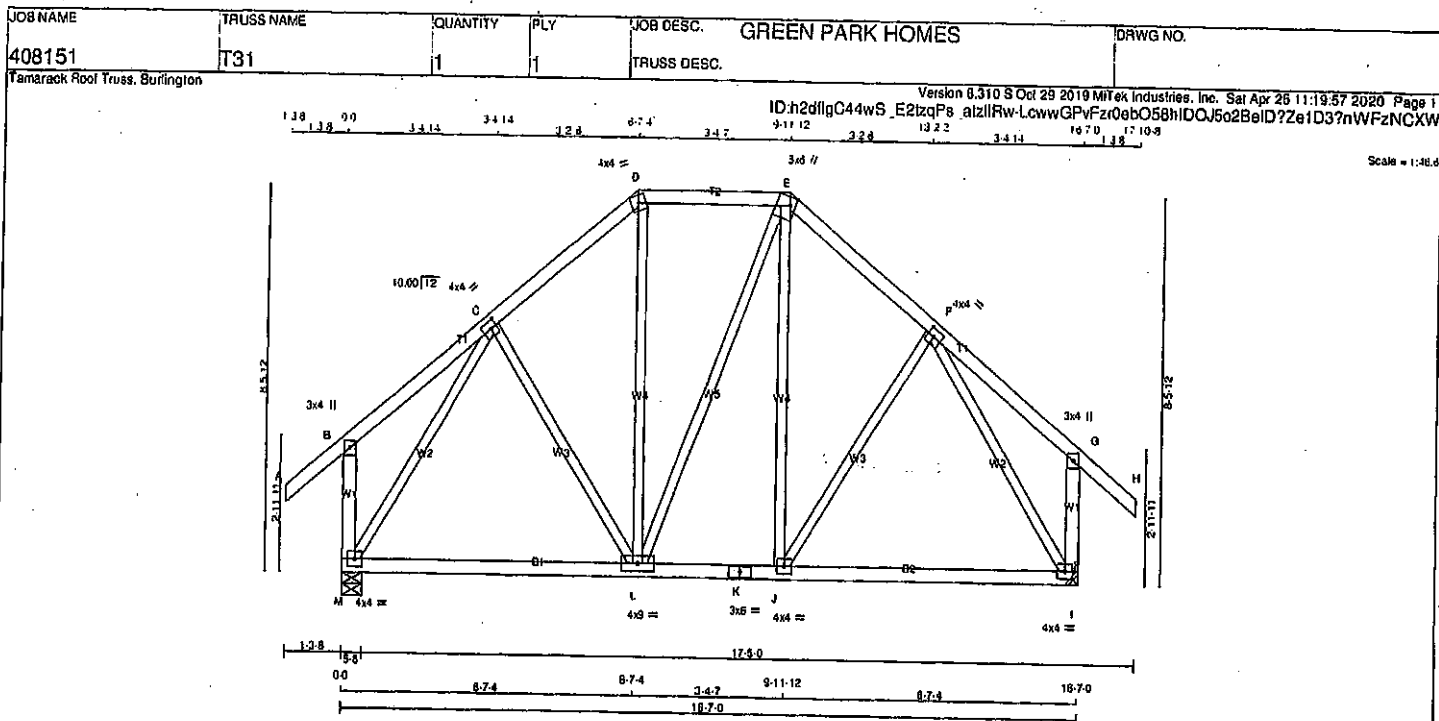
PLATE ROTATION TOL. = 5.0 Deg.

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

JSI METAL=0.21 (C) (INPUT = 1.00)



Structural component only
DWG# T-2007092



LUMBER

N. L. G. A. RULES	SIZE	DRY	LUMBER
CHORDS	2x4	DRY	No.2
A - D	2x4	DRY	No.2
D - E	2x4	DRY	No.2
E - H	2x4	DRY	No.2
M - B	2x4	DRY	No.2
I - G	2x4	DRY	No.2
M - K	2x4	DRY	No.2
K - I	2x4	DRY	No.2

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVW-1	MT20	4.0	4.0	2.00	1.75
D	TTW-m	MT20	4.0	4.0		
E	TTWV+m	MT20	5.0	6.0	2.25	1.50
F	TMVW-1	MT20	4.0	4.0	2.00	1.75
G	TMV+p	MT20	3.0	4.0		
I	BMVW1-1	MT20	4.0	4.0		
J	BMVW1-1	MT20	4.0	4.0		
K	BS-1	MT20	3.0	8.0		
L	BMVWVW-1	MT20	4.0	9.0		
M	BMVW1-1	MT20	4.0	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	BRG	BRG
M	VERT	DOWN	0	0
I	HORIZ	UPLIFT	5-8	5-8
			MECHANICAL	

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

UNFACTORED REACTIONS

JT	1ST LOSE	MAX. MIN. COMPONENT REACTIONS
M	COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
I	734	495 / 0 0 / 0 0 / 0 0 / 0 239 / 0 0 / 0
	734	495 / 0 0 / 0 0 / 0 0 / 0 239 / 0 0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC2)	MAX. FACTORED VERT. LOAD (LC3)	MAX. FACTORED VERT. LOAD (LC4)	MAX. FACTORED VERT. LOAD (LC5)	MAX. FACTORED VERT. LOAD (LC6)	MAX. FACTORED VERT. LOAD (LC7)	MAX. FACTORED VERT. LOAD (LC8)	MAX. FACTORED VERT. LOAD (LC9)	MAX. FACTORED VERT. LOAD (LC10)
FR-TO													
A-B	0 / 41	-91.8	-91.8	0.13 (1)	10.00	C-L	-10 / 34	0.01 (4)					
B-C	0 / 22	-91.8	-91.8	0.16 (1)	10.00	L-D	0 / 110	0.03 (4)					
C-D	-613 / 0	-91.8	-91.8	0.13 (1)	8.25	L-E	0 / 0	0.00 (1)					
D-E	-453 / 0	-91.8	-91.8	0.14 (1)	6.25	J-F	0 / 109	0.03 (4)					
E-F	-612 / 0	-91.8	-91.8	0.13 (1)	6.25	J-F	-11 / 34	0.01 (4)					
F-G	0 / 22	-91.8	-91.8	0.16 (1)	10.00	M-C	-673 / 0	0.60 (1)					
G-H	0 / 41	-91.8	-91.8	0.13 (1)	10.00	F-I	-673 / 0	0.60 (1)					
H-I	-245 / 0	0.0	0.0	0.04 (1)	7.81								
I-G	-245 / 0	0.0	0.0	0.04 (1)	7.81								
M-L	0 / 457	-18.5	-18.5	0.21 (4)	10.00								
L-K	0 / 453	-18.5	-18.5	0.20 (4)	10.00								
K-J	0 / 453	-18.5	-18.5	0.20 (4)	10.00								
J-I	0 / 457	-18.5	-18.5	0.21 (4)	10.00								

TOTAL WEIGHT = 92 lb

(M/F)

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 6.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR

SMALL BUILDING REQUIREMENTS OF PART 9,

NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2010, CBC 2012, ABC 2010

- PART 9 OF CBC 2012 (2010 AMENDMENT)

- CSA 086-09, CSA 088-14

- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 9.4 P.S.F. RAIN

LOAD) EQUALS 26.6 P.S.F. SPECIFIED ROOF

LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.55")

CALCULATED VERT. DEFL. (LL) = L/999 (0.01")

ALLOWABLE DEFL. (TL) = L/360 (0.55")

CALCULATED VERT. DEFL. (TL) = L/999 (0.07")

CSI: TC=0.16/1.00 (F-G:1), BC=0.21/1.00 (I-J:4).

WB=0.80/1.00 (C-M:1), SS=0.12/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT

RESPONSIBLE FOR QUALITY CONTROL IN THE

TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE GRIP (DRY) SHEAR SECTION

(PS) (PL) (PL)

MAX MIN MAX MIN MAX MIN

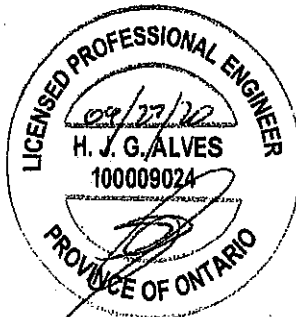
MT20 619 354 1687 788 1987 1688

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.67 (C) (INPUT = 0.80)

JSI METAL= 0.31 (C) (INPUT = 1.00)

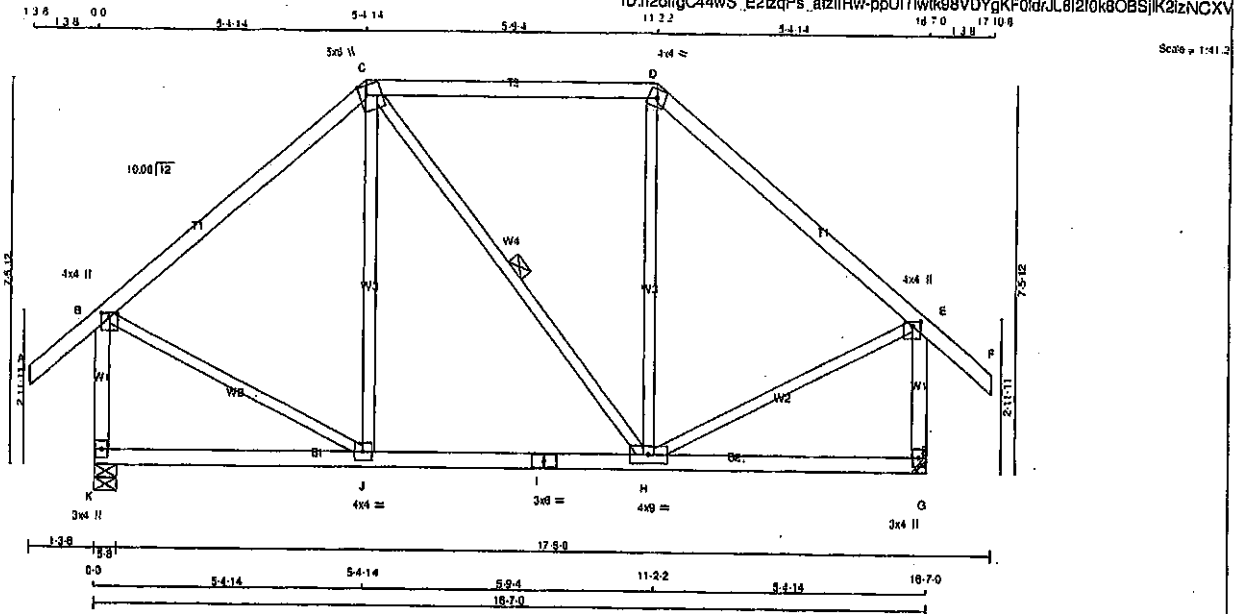


Structural component only
DWG# T-2007093

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	T32	1	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 79 b

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	
K - B	2x4	DRY	No.2	SPF	
G - E	2x4	DRY	No.2	SPF	
K - I	2x4	DRY	No.2	SPF	
I - G	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMW+p	MT20	4.0	4.0	1.00	2.00
C	TTWW+m	MT20	5.0	6.0	2.25	1.50
D	TTW-m	MT20	4.0	4.0		
E	TMW+p	MT20	4.0	4.0	1.00	2.00
G	BMV1+p	MT20	3.0	4.0		
H	BMWW-1	MT20	4.0	4.0		
I	BS-1	MT20	3.0	6.0		
J	BMWW-1	MT20	4.0	4.0		
K	BMV1+p	MT20	3.0	4.0		

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS	REACTION	DOWN	HORIZ	UPLIFT	IN-SX	IN-SX	
K	1041	0	1041	0	0	5-8	5-8		
G	1041	0	1041	0	0	MECHANICAL			

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN	COMPONENT REACTIONS						
K	734	495/0	0/0	0/0	0/0	239/0	0/0	0/0	0/0
G	734	495/0	0/0	0/0	0/0	239/0	0/0	0/0	0/0

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)	MAX	LC1 MAX
FR-TO				FR-TO			
A-B	0/41	-91.8	-91.8 0.13 (1)	10.00	J-C	-115/46	0.12 (1)
B-C	-619/0	-91.8	-91.8 0.35 (1)	6.25	C-H	0/0	0.00 (1)
C-D	-473/0	-91.8	-91.8 0.39 (1)	6.25	H-D	-115/46	0.12 (1)
D-E	-619/0	-91.8	-91.8 0.35 (1)	6.25	B-J	0/526	0.12 (1)
E-F	0/41	-91.8	-91.8 0.13 (1)	10.00	H-E	0/526	0.12 (1)
K-B	-1000/0	0.0	0.0 0.16 (1)	7.81			
G-E	-1000/0	0.0	0.0 0.16 (1)	7.81			
K-J	0/0	-18.5	-18.5 0.13 (4)	10.00			
J-I	0/473	-18.5	-18.5 0.17 (4)	10.00			
I-H	0/473	-18.5	-18.5 0.17 (4)	10.00			
H-G	0/0	-18.5	-18.5 0.13 (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 6.00/12

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, OBC 2012, ABC 2018
- 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) = $L/380$ (0.56")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.01")
ALLOWABLE DEFL.(TL) = $L/380$ (0.55")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.03")

CSI: TC=0.39/1.00 (C-D:1), BC=0.17/1.00 (H-J:4), WB=0.12/1.00 (B-J:1), SS=0.21/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.82 (B) (INPUT = 0.90)
JSI METAL = 0.23 (B) (INPUT = 1.00)

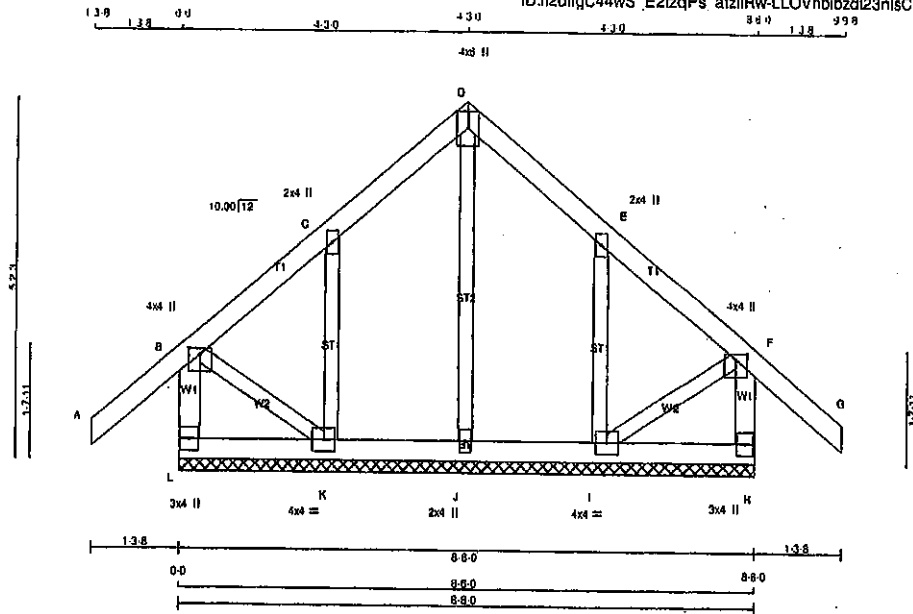


Structural component only
DWG# T-2007094

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	G33	1	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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Scale = 1:30

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

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

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMW+p	MT20	4.0	4.0	1.00	2.00
C TMW+w	MT20	2.0	4.0		
D TTW+p	MT20	4.0	6.0	Edge	
E TMW+w	MT20	2.0	4.0		
F TMW+p	MT20	4.0	4.0	1.00	2.00
H BMV1+p	MT20	3.0	4.0		
I BMW1-l	MT20	4.0	4.0		
J BMW1+w	MT20	2.0	4.0		
K BMW1-l	MT20	4.0	4.0		
L BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED UNBRACED LENGTH (FT)	FACTORED LC1 MAX CSI (LC)
FR-TO		FROM TO		FR-TO			
L-B	-231/0	0.0	0.0 0.02 (1)	J-D	-123/0	7.81	0.05 (1)
A-B	0/41	-91.8	-91.8 0.13 (1)	K-C	-236/0	10.00	0.05 (1)
B-C	-11/0	-91.8	-91.8 0.07 (1)	I-E	-236/0	6.25	0.05 (1)
C-D	-32/0	-91.8	-91.8 0.07 (1)	B-K	0/23	6.25	0.01 (1)
D-E	-32/0	-91.8	-91.8 0.07 (1)	F-F	0/23	6.25	0.01 (1)
E-F	-11/0	-91.8	-91.8 0.07 (1)				
F-G	0/41	-91.8	-91.8 0.13 (1)				
H-F	-231/0	0.0	0.0 0.02 (1)				
L-K	0/0	-18.5	-18.5 0.02 (4)				
K-J	0/13	-18.5	-18.5 0.02 (4)				
J-I	0/13	-18.5	-18.5 0.02 (4)				
I-H	0/0	-18.5	-18.5 0.02 (4)				

TOTAL WEIGHT = 42 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.6 PSF
DL	= 8.0 PSF
BOY 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, 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 086-08, 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

CSH: TC=0.13/1.00 (F-G:1), BC=0.02/1.00 (J-K:4), WB=0.06/1.00 (C-K:1), SS=0.06/1.00 (F-G:1)

OOL 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.

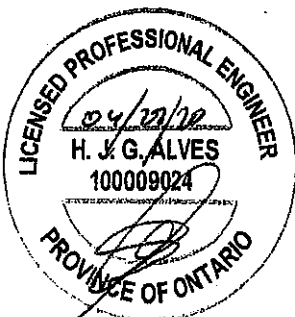
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

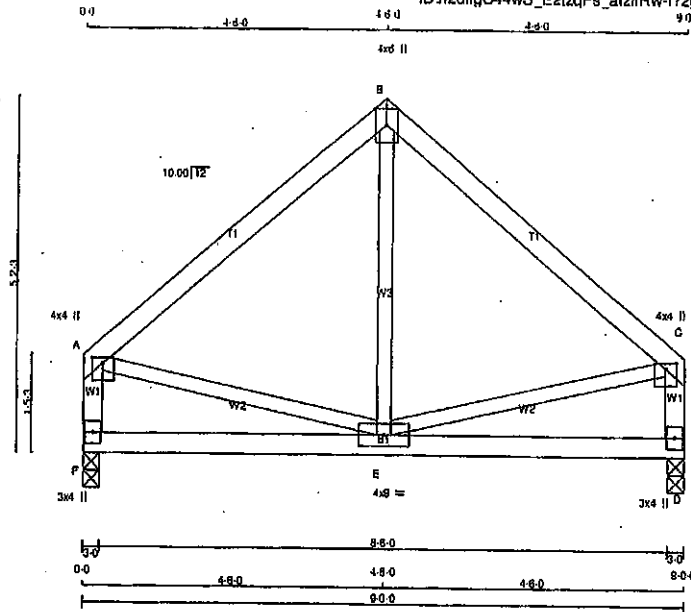
JSI GRIP= 0.18 (C) (INPUT = 0.80)
JSI METAL= 0.13 (C) (INPUT = 1.00)



Structural component only
DWG# T-2007078

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	T33X	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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Scale = 1/2" = 1'-0"

TOTAL WEIGHT = 37 lb

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

PLATES (table in inches)				
JT	TYPE	PLATES	W	LEN Y X
A	TMVW+p	MT20	4.0	4.0 1.00 2.00
B	TTW+p	MT20	4.0	8.0 Edge
C	TMVW+p	MT20	4.0	4.0 1.00 2.00
D	BMV+p	MT20	3.0	4.0
E	BMVW+p	MT20	4.0	9.0
F	BMV+p	MT20	3.0	4.0

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	BRG	IN-SX	BRG	IN-SX
F	498	0	498	0	0	3-0	3-0	3-0	3-0
D	498	0	498	0	0	3-0	3-0	3-0	3-0

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	351	230 / 0	0 / 0	0 / 0	0 / 0	0 / 0	121 / 0	0 / 0
D	351	230 / 0	0 / 0	0 / 0	0 / 0	0 / 0	121 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	MAX. FACTORED	VERT. LOAD	MAX. FACTORED	MEMB.	MAX. FACTORED	VERT. LOAD	MAX. FACTORED
	FORCE (LBS)	FROM TO	PLF (LBS)		FORCE (LBS)	FROM TO	PLF (LBS)
FR-TO				FR-TO			
A-B	-311 / 0	-91.8	-91.8 0.24 (1)	E-B	-14 / 72	0.03 (4)	
B-C	-311 / 0	-91.8	-91.8 0.24 (1)	A-E	0 / 248	0.08 (1)	
F-A	-484 / 0	0.0	0.0 0.05 (1)	E-C	0 / 248	0.08 (1)	
D-C	-484 / 0	0.0	0.0 0.05 (1)				
F-E	0 / 0	-18.5	-18.5 0.11 (4)				
E-D	0 / 0	-18.5	-18.5 0.11 (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, 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

ALLOWABLE DEFL. (LL) = $L/360$ (0.30")
CALCULATED VERT. DEFL. (LL) = $L/889$ (0.00")
ALLOWABLE DEFL. (TL) = $L/360$ (0.30")
CALCULATED VERT. DEFL. (TL) = $L/889$ (0.01")

CSI: TC=0.24/1.00 (A-B:1), BC=0.11/1.00 (E-F:4), WB=0.08/1.00 (C-E:1), SS=0.12/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1687 788 1987 1686

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.42 (A) (INPUT = 0.90)
JSI METAL = 0.12 (A) (INPUT = 1.00)

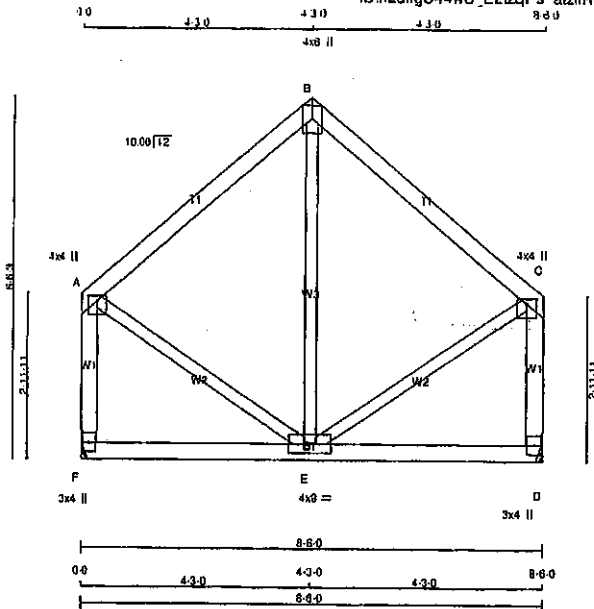


Structural component only
DWG# T-2007095

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	ORWG NO.
408151	T34	2	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.00	2.00
B	TTW+p	MT20	4.0	8.0	Edge	
C	TMVW+p	MT20	4.0	4.0	1.00	2.00
D	BMV1+p	MT20	3.0	4.0		
E	BMWWW-t	MT20	4.0	9.0		
F	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
F	469	0	469	0
D	469	0	469	0

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	331	217.0	0.0	0.0	0.0	114.0	0.0
D	331	217.0	0.0	0.0	0.0	114.0	0.0

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO		FR-TO			
A-B	-218 / 0	-91.8	-91.8 0.21 (1)	6.25	E-B	-111 / 32	0.07 (1)
B-C	-218 / 0	-91.8	-91.8 0.21 (1)	6.25	A-E	0 / 197	0.04 (1)
F-A	-438 / 0	0.0	0.0 0.07 (1)	7.81	E-C	0 / 197	0.04 (1)
D-C	-438 / 0	0.0	0.0 0.07 (1)	7.81			
F-E	0 / 0	-18.5	-18.5 0.09 (4)	10.00			
E-D	0 / 0	-18.5	-18.5 0.09 (4)	10.00			

TOTAL WEIGHT = 2 X 41 = 82 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. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBC 2010, NBC 2012, ABC 2010
- PART 9 OF NBC 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 (0.28")
CALCULATED VERT. DEFL. (LL) = L/999 (0.00")
ALLOWABLE DEFL. (TL) = L/360 (0.28")
CALCULATED VERT. DEFL. (TL) = L/999 (0.01")

CSI: TC=0.21/1.00 (A-B:1), BC=0.09/1.00 (E-F:4), WB=0.07/1.00 (B-E:1), SS=0.12/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.33 (A) (INPUT = 0.90)
JSI METAL = 0.09 (A) (INPUT = 1.00)

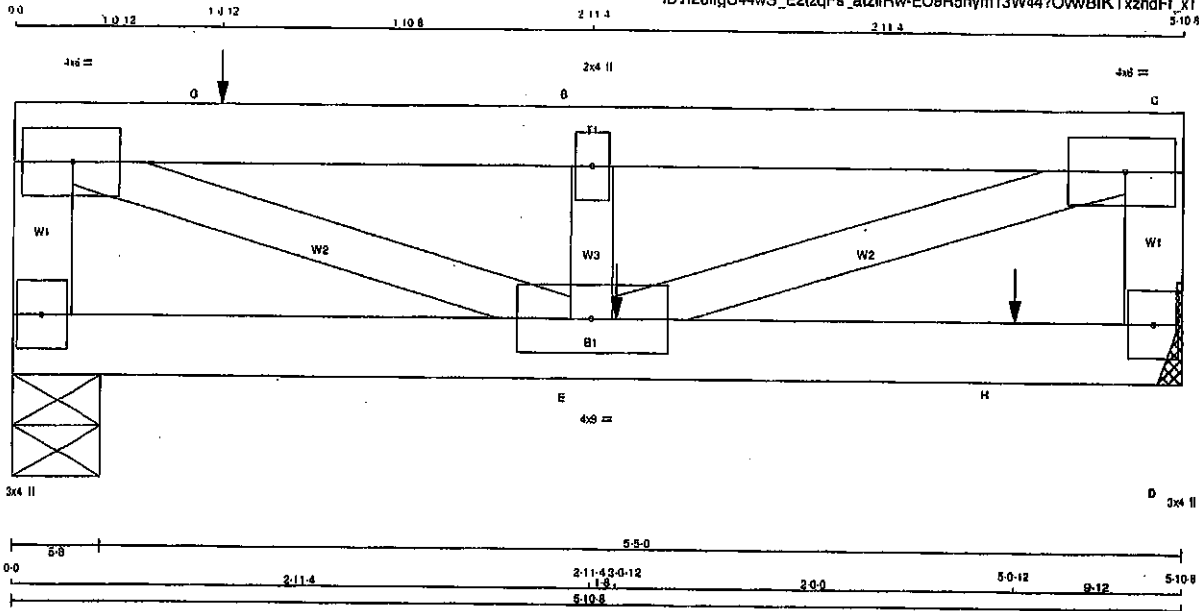


Structural component only
DWG# T-2007096

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408151	T35	2	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/10.4

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

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

CHORDS #ROWS	SURFACE SPACING (IN.)	LOAD(PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS		
F-A 1	12	TOP
A-C 1	12	TOP
C-D 1	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
F-D 1	11	SIDE(97.1)
WEBS: (0.122"x3") SPIRAL NAILS		
B-E 1	8	SIDE(20.3)
2x3	8	

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
A	TMVW-1	MT20	4.0	8.0			
B	TMVW-1	MT20	2.0	4.0			
C	TMVW-1	MT20	4.0	8.0			
D	BMV1-1	MT20	3.0	4.0			
E	BMVWV-1	MT20	4.0	8.0			

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
F	1010	0	1010	0
D	1085	0	1085	0

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

UNFACTORED REACTIONS	1ST LOOSE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	COMBINED						
F	726	438/0	0/0	0/0	0/0	280/0	0/0
D	772	479/0	0/0	0/0	0/0	293/0	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 = 6.23 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	LOI MAX GSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX GSI (LC)
FR-TO		FROM	TO		FR-TO		
F-A	-885/0	0.0	0.0	0.05 (1)	7.81	A-E	0/1810 0.22 (1)
A-G	-1708/0	-91.8	-91.8	0.28 (1)	8.23	E-B	-482/0 0.04 (1)
G-B	-1708/0	-91.8	-91.8	0.28 (1)	8.23	E-C	0/1810 0.22 (1)
B-C	-1708/0	-91.8	-91.8	0.08 (1)	8.25		
D-C	-707/0	0.0	0.0	0.04 (1)	7.81		
F-E	0/0	-43.5	-43.5	0.05 (4)	10.00		
E-H	0/0	-43.5	-43.5	0.22 (1)	10.00		
H-D	0/0	-43.5	-43.5	0.22 (1)	10.00		

FACTORED CONCENTRATED LOADS (LBS)	JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
E	3-0-12	-480	-450	---	---	FRONT	VERT	TOTAL	---	C1
G	1-0-12	-404	-404	---	---	TOP	VERT	TOTAL	---	C1
H	5-0-12	-452	-452	---	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 4 X 20 = 80 lb

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
OL	=	8.0	PSF
BOY CH. LL	=	0.0	PSF
OL	=	7.4	PSF
TOTAL LOAD	=	39.0	PSF

SPACING = 24.0 IN. CG

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

*** 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, NBC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, NBC 2012, ABC 2019
- PART 9 OF NBC 2012 (2018 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/380 (0.20")
CALCULATED VERT. DEFL. (LL) = U/899 (0.02")
ALLOWABLE DEFL. (TL) = L/380 (0.20")
CALCULATED VERT. DEFL. (TL) = U/999 (0.03")

CSI: TC=0.28/1.00 (A-B:1), BC=0.22/1.00 (D-E:1), WB=0.22/1.00 (A-E:1), SS=0.16/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

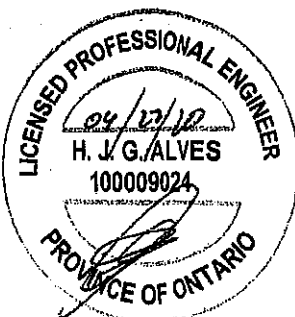
NAIL VALUES	PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX MIN	MAX MIN	MAX MIN	
MT20	618 354	1667 788	1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.59 (C) (INPUT = 0.80)
JSI METAL = 0.21 (C) (INPUT = 1.00)

CONTINUED ON PAGE 2

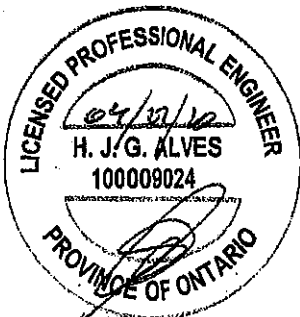


Structural component only
DWG# T-2007097 1/2

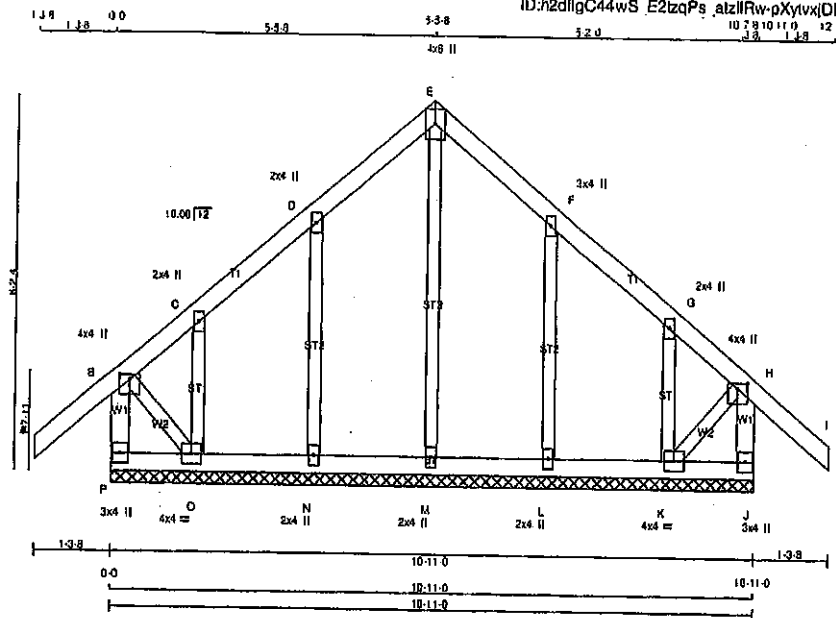
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	T35	2	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:h2dflgC44wS E2lzoPs atzllRw-EO9R5nym13W44?Qyw8lKTxzhdFf xTUd8gz l1zNCXS

PLATES (table is in inches)
JT TYPE PLATES W LEN Y X
F BMV1+p MT20 3.0 4.0



Structural component only
DWG# T-2007097 312



Scale = 1/32

LUMBER
N.L.G.A. RULES
CHORDS SIZE LUMBER
P - B 2x4 DRY No.2
A - I 2x4 DRY No.2
E - H 2x4 DRY No.2
J - J 2x4 DRY No.2
ALL WEBS 2x3 DRY No.2
ALL GABLE WEBS 2x3 DRY No.2
DRY: SEASONED LUMBER.
GABLE STUDS SPACED AT 2'-0" OC.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER
BEARINGS
THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.
THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.
BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S)
BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

TOTAL WEIGHT = 63 lb

PLATES (table in inches)

PLATE TYPE	PLATES	W	LEN	Y	X
B TMVW+p	MT20	4.0	4.0	1.00	2.00
C, D, F, G					
O TMVW+w	MT20	2.0	4.0		
E TTW+p	MT20	4.0	6.0	Edge	
H TMVW+p	MT20	4.0	4.0	1.00	2.00
J BMV1+p	MT20	3.0	4.0		
K BMWW1-i	MT20	4.0	4.0		
L, M, N					
O BMV1+w	MT20	2.0	4.0		
P BMWW1-i	MT20	4.0	4.0		
P BMV1+p	MT20	3.0	4.0		

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (L/C)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (L/C)	UNBRACED LENGTH (FT)
FR-TO				FR-TO			
P-B	-274 / 0	0.0	0.03 (1)	M-E	-139 / 0	0.08 (1)	7.81
A-B	0 / 41	-91.8	-91.8 (1)	N-D	-223 / 0	0.07 (1)	10.00
B-C	-57 / 0	-91.8	-91.8 (1)	O-C	-75 / 0	0.01 (1)	8.25
C-D	-4 / 0	-91.8	-91.8 (1)	L-F	-223 / 0	0.07 (1)	10.00
D-E	-22 / 0	-91.8	-91.8 (1)	K-G	-75 / 0	0.01 (1)	8.25
E-F	-22 / 0	-91.8	-91.8 (1)	B-O	0 / 20	0.00 (1)	8.25
F-G	-4 / 0	-91.8	-91.8 (1)	K-H	0 / 20	0.00 (1)	10.00
G-H	-57 / 0	-91.8	-91.8 (1)				
H-I	0 / 41	-91.8	-91.8 (1)				
J-H	-274 / 0	0.0	0.03 (1)				
P-O	0 / 0	-18.5	-18.5 (4)				10.00
O-N	0 / 12	-18.5	-18.5 (4)				10.00
N-M	0 / 7	-18.5	-18.5 (4)				10.00
M-L	0 / 7	-18.5	-18.5 (4)				10.00
L-K	0 / 12	-18.5	-18.5 (4)				10.00
K-J	0 / 0	-18.5	-18.5 (4)				10.00

DESIGN CRITERIA
SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
BOT CH. LL = 6.0 PSF
DL = 0.0 PSF
TOTAL LOAD = 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, A8C 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 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.13/1.00 (H-K), BC=0.02/1.00 (K-L), WB=0.08/1.00 (E-M), SS=0.08/1.00 (A-B:1)
DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 788 1887 1558

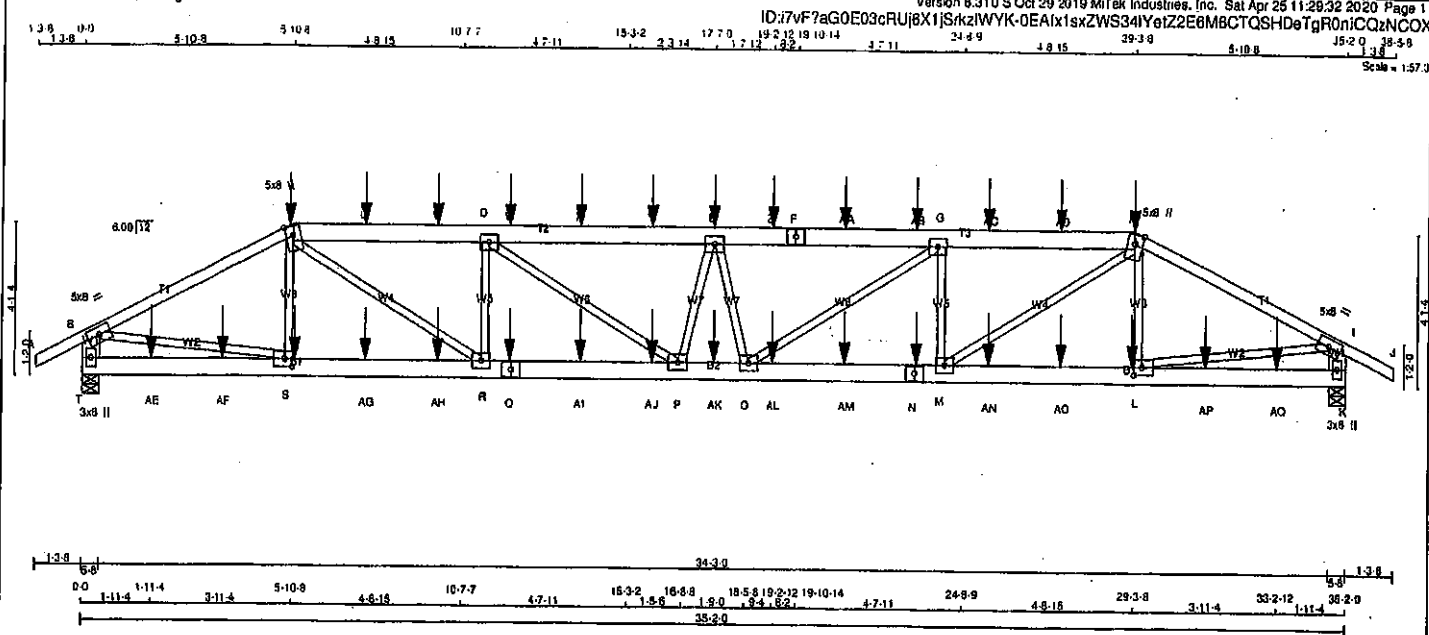
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.21 (B) (INPUT = 0.90)
JSI METAL= 0.12 (F) (INPUT = 1.00)



Structural component only
DWG# T-2007079



LUMBER

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

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - C	12	SIDE(81.0)
H - J	12	SIDE(81.0)
C - F	12	SIDE(81.0)
F - H	12	SIDE(81.0)
T - B	12	TOP
K - I	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
T - Q	12	SIDE(183.1)
Q - N	12	SIDE(0.0)
N - K	12	SIDE(183.1)

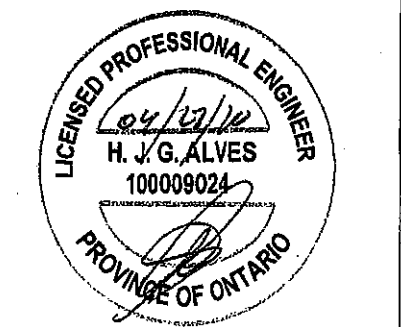
WEBS : (0.122"x3") SPIRAL NAILS

2x3 1 6

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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



Structural component only
DWG# T-2007107 1/2

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

FACTORED	MAXIMUM FACTORED		INPUT	REQD
	GROSS REACTION	GROSS REACTION		
JOINT	VERT	HORZ	BRG	BRG
T	3331	0	0	5-8
K	3331	0	0	5-8

UNFACTORED REACTIONS

1ST CASE	MAX.	MIN.	COMPONENT REACTIONS
JOINT	COMBINED	SNOW	LIVE
T	2356	1544 / 0	0 / 0
K	2356	1544 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.87 FT.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	LENGTH
FR-TO				FR-TO			
A-B	0 / 28	-91.8	-91.8 0.07 (1)	10.00	S-C	-427 / 8	0.05 (1)
B-C	-5077 / 0	-91.8	-91.8 0.52 (1)	3.87	C-R	0 / 3083	0.38 (1)
C-U	-7106 / 0	-91.8	-91.8 0.23 (1)	4.33	R-D	-1565 / 0	0.19 (1)
U-V	-7106 / 0	-91.8	-91.8 0.23 (1)	4.33	O-G	0 / 1071	0.13 (1)
V-D	-7106 / 0	-91.8	-91.8 0.23 (1)	4.33	M-G	-1565 / 0	0.19 (1)
D-W	-7894 / 0	-91.8	-91.8 0.27 (1)	4.10	L-H	-427 / 8	0.05 (1)
W-X	-7894 / 0	-91.8	-91.8 0.27 (1)	4.10	B-S	0 / 4592	0.57 (1)
X-Y	-7894 / 0	-91.8	-91.8 0.27 (1)	4.10	L-I	0 / 4592	0.57 (1)
Y-E	-7994 / 0	-91.8	-91.8 0.27 (1)	4.10	D-P	0 / 1071	0.13 (1)
E-Z	-7894 / 0	-91.8	-91.8 0.27 (1)	4.10	M-H	0 / 3083	0.38 (1)
Z-F	-7994 / 0	-91.8	-91.8 0.27 (1)	4.10	P-E	-505 / 0	0.06 (1)
F-AA	-7894 / 0	-91.8	-91.8 0.27 (1)	4.10	E-O	-505 / 0	0.06 (1)
AA-AB	-7894 / 0	-91.8	-91.8 0.27 (1)	4.10			
AB-G	-7894 / 0	-91.8	-91.8 0.27 (1)	4.10			
G-AC	-7106 / 0	-91.8	-91.8 0.23 (1)	4.33			
AC-AD	-7106 / 0	-91.8	-91.8 0.23 (1)	4.33			
AD-H	-7106 / 0	-91.8	-91.8 0.23 (1)	4.33			
H-I	-5077 / 0	-91.8	-91.8 0.52 (1)	3.87			
I-J	0 / 28	-91.8	-91.8 0.07 (1)	10.00			
T-B	-3255 / 0	0.0	0.0 0.11 (1)	7.69			
K-I	-3255 / 0	0.0	0.0 0.11 (1)	7.69			
T-AE	0 / 0	-18.5	-18.5 0.08 (4)	10.00			
AE-AF	0 / 0	-18.5	-18.5 0.08 (4)	10.00			
AF-S	0 / 0	-18.5	-18.5 0.08 (4)	10.00			
S-AG	0 / 4563	-18.5	-18.5 0.34 (1)	10.00			
AG-AH	0 / 4563	-18.5	-18.5 0.34 (1)	10.00			
AH-R	0 / 4563	-18.5	-18.5 0.34 (1)	10.00			
R-Q	0 / 7105	-18.5	-18.5 0.52 (1)	10.00			
Q-AI	0 / 7105	-18.5	-18.5 0.52 (1)	10.00			
AI-AJ	0 / 7105	-18.5	-18.5 0.52 (1)	10.00			
AJ-P	0 / 7105	-18.5	-18.5 0.52 (1)	10.00			
P-AK	0 / 8119	-18.5	-18.5 0.58 (1)	10.00			
AK-O	0 / 8119	-18.5	-18.5 0.58 (1)	10.00			
O-AL	0 / 7105	-18.5	-18.5 0.52 (1)	10.00			
AL-AM	0 / 7105	-18.5	-18.5 0.52 (1)	10.00			
AM-N	0 / 7105	-18.5	-18.5 0.52 (1)	10.00			
N-M	0 / 7105	-18.5	-18.5 0.52 (1)	10.00			
M-AN	0 / 4563	-18.5	-18.5 0.34 (1)	10.00			
AN-AO	0 / 4563	-18.5	-18.5 0.34 (1)	10.00			
AO-L	0 / 4563	-18.5	-18.5 0.34 (1)	10.00			
L-AP	0 / 0	-18.5	-18.5 0.08 (4)	10.00			
AP-AQ	0 / 0	-18.5	-18.5 0.08 (4)	10.00			

TOTAL WEIGHT = 2 X 170 = 341 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

BOT CH. LL = 0.0 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CBA 088-08, CSA 088-14
- 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/880 (1.17")

CALCULATED VERT. DEFL. (LL) = L/889 (0.21")

ALLOWABLE DEFL. (TL) = L/880 (1.17")

CALCULATED VERT. DEFL. (TL) = L/889 (0.38")

CSI: TO=0.52/1.00 (H-I), BC=0.58/1.00 (O-P), I, WB=0.57/1.00 (B-S), SS=0.19/1.00 (D-E, I)

DOL LUMBER=1.00 NAIL=1.00 LB 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 GRP(DRY) SHEAR SECTION (PS) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

MT20 618 354 1837 768 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.84 (S) (INPUT = 0.80)

JSI METAL = 0.84 (N) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408152	T40	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID: iZvF?aG0E03cRUj6X1IS/k2WYK-0EAix1sxZWS34IYeiZ2E6M6CTQSHDeTqR0nIQ0zNCOX

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWV-t	MT20	5.0	8.0		
C	TTWW+m	MT20	5.0	8.0	Edge	
D, E, G						
D	TMWV-t	MT20	5.0	8.0		
F	TS-t	MT20	5.0	6.0		
H	TTWW+m	MT20	5.0	8.0	Edge	
I	TMWV-t	MT20	5.0	8.0		
K	BMV1+p	MT20	3.0	8.0		
L	BMWV-t	MT20	5.0	8.0	2.50	2.50
M, O, P, R						
M	BMWV-t	MT20	5.0	8.0		
N	BS-t	MT20	5.0	8.0		
Q	BS-t	MT20	5.0	8.0		
S	BMWV-t	MT20	5.0	8.0	2.50	2.50
T	BMV1+p	MT20	3.0	8.0		

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	FACTORED (PLF)	MAX. CS (LC)	MEMB. FORCE (LBS)	MAX. CS (LC)	FACTORED (PLF)
FR-TO	FROM	TO	LENGTH	FR-TO	FROM	TO	LENGTH
AQ-K	0.0	-18.5	-18.5	0.08 (4)	10.00		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX.	FACE	DIF.	TYPE	HEEL	CONN.
C	5-10-8	-438	-438	---	FRONT	VERT	TOTAL	---	C1
E	17-7-0	-110	-110	---	FRONT	VERT	TOTAL	---	C1
H	29-3-8	-438	-438	---	FRONT	VERT	TOTAL	---	C1
L	28-2-12	-28	-28	---	FRONT	VERT	TOTAL	---	C1
N	23-2-12	-28	-28	---	FRONT	VERT	TOTAL	---	C1
Q	11-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
S	5-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
U	7-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
V	9-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
W	11-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
X	13-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Y	15-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Z	19-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AA	21-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AB	23-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AC	25-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AD	27-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AE	1-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AF	3-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AG	7-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AH	9-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AI	13-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AJ	15-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AK	17-7-0	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AL	19-2-12	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AM	21-2-12	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AN	23-2-12	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AO	27-2-12	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AP	31-2-12	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AQ	33-2-12	-28	-28	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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



Structural component only
DWG# T-2007107 3/2

Tamarack Roof Truss, Burlington

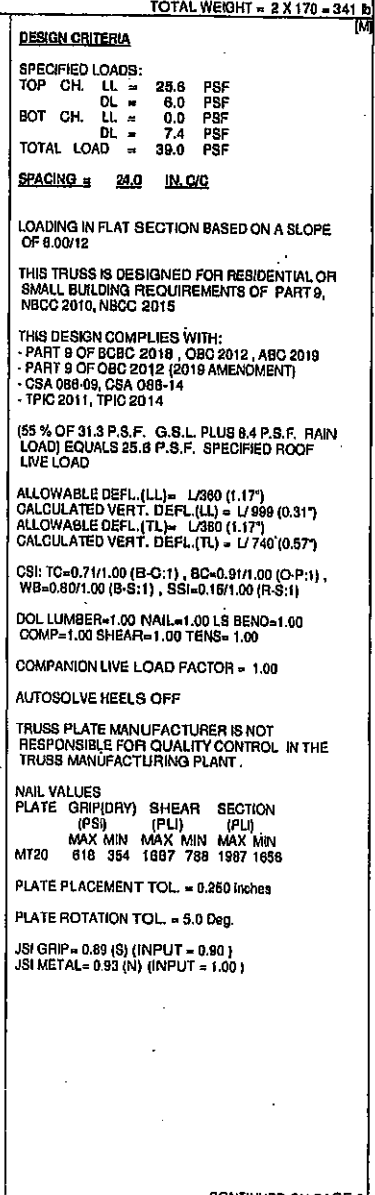
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1.38 0.0 5.108 2.114 10.77 15.32 17.70 19.10 23.14 23.14 24.49 29.38 35.20 38.58

1.38 5.108 2.12 2.83 4.71 2.34 2.34 4.71 3.81 5.108 1.38

Scale = 1:57.2



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408152	T40Z	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	2.00	3.50
C	TTWW+m	MT20	8.0	9.0	Edge	
D, E, G						
D	TMVW-l	MT20	5.0	8.0		
F	TS-l	MT20	5.0	8.0		
H	TTWW+m	MT20	8.0	9.0	Edge	
I	TMVW-p	MT20	5.0	8.0	2.00	3.50
K	BMV1+p	MT20	3.0	6.0		
L	BMVW-l	MT20	5.0	8.0	2.50	3.50
M	BMVW-l	MT20	5.0	8.0	2.50	2.00
N	BS-l	MT20	5.0	8.0		
O	BMVW-l	MT20	5.0	8.0	2.75	2.75
P	BMVW-l	MT20	6.0	8.0	2.75	2.75
Q	BS-l	MT20	5.0	8.0		
R	BMVW-l	MT20	5.0	8.0	2.50	2.00
S	BMVW-l	MT20	5.0	8.0	2.50	3.50
T	BMV1+p	MT20	3.0	6.0		

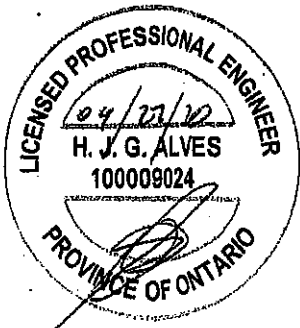
Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

FACTORED CONCENTRATED LOADS (LBS)

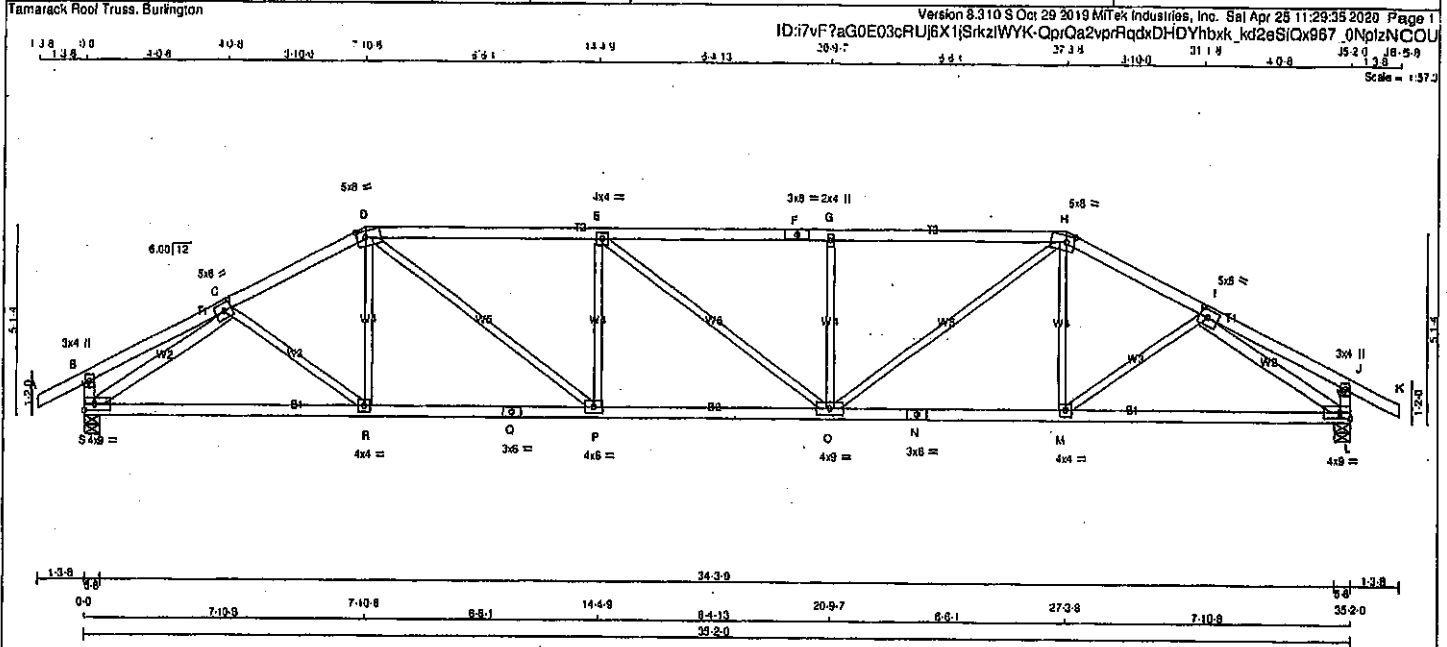
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
X	14-9-12	-82	-82	---	BACK	VERT	TOTAL	---	C1
Y	18-9-12	-82	-82	---	BACK	VERT	TOTAL	---	C1
Z	1-11-4	-25	-26	---	BACK	VERT	TOTAL	---	C1
AA	3-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
AB	7-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
AC	8-10-8	-639	-639	---	BACK	VERT	TOTAL	---	C1
AD	10-9-12	-17	-17	---	BACK	VERT	TOTAL	---	C1
AE	12-9-12	-17	-17	---	BACK	VERT	TOTAL	---	C1
AF	14-9-12	-17	-17	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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



Structural component only
DWG# T-2007108



LUMBER
 N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMW+p	MT20	3.0	4.0		
O TMWV-1	MT20	5.0	8.0	2.50	2.75
D TMWV-1	MT20	5.0	8.0	2.25	2.75
F TMWV-1	MT20	4.0	4.0		
G TS-1	MT20	2.0	4.0		
Q TMWV-1	MT20	2.0	4.0		
H TMWV-1	MT20	5.0	8.0	2.25	2.75
I TMWV-1	MT20	5.0	8.0	2.50	2.75
J TMW+p	MT20	3.0	4.0		
L BMWV-1	MT20	4.0	9.0		
M BMWV-1	MT20	4.0	4.0		Edge
N BS-1	MT20	3.0	6.0		
O BMWV-1	MT20	4.0	9.0		
P BMWV-1	MT20	4.0	6.0		
Q BS-1	MT20	3.0	6.0		
R BMWV-1	MT20	4.0	4.0		
S 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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	RECORD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
S	2083	0	2063	0	5-8	5-8
L	2083	0	2063	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE		MAX. MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
S	1457	989 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0
L	1457	989 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.84 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CS1 (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS1 (LC)
FR-TO		FROM TO			FR-TO		
A-B	0 / 28	-91.8	-91.8 0.12 (1)	10.00	C-R	0 / 93	0.03 (4)
B-C	0 / 16	-91.8	-91.8 0.20 (1)	10.00	R-D	0 / 121	0.04 (4)
C-D	-2793 / 0	-91.8	-91.8 0.32 (1)	3.88	D-P	0 / 1267	0.29 (1)
D-E	-3508 / 0	-91.8	-91.8 0.95 (1)	2.94	P-E	-843 / 0	0.25 (1)
E-F	-3507 / 0	-91.8	-91.8 0.93 (1)	2.94	E-O	-2 / 0	0.00 (1)
F-G	-3507 / 0	-91.8	-91.8 0.94 (1)	2.94	O-H	-843 / 0	0.25 (1)
G-H	-3507 / 0	-91.8	-91.8 0.94 (1)	2.94	H-I	0 / 1268	0.28 (1)
H-I	-2793 / 0	-91.8	-91.8 0.32 (1)	3.88	I-H	0 / 121	0.04 (4)
I-J	0 / 18	-91.8	-91.8 0.20 (1)	10.00	M-H	0 / 93	0.03 (4)
J-K	0 / 28	-91.8	-91.8 0.12 (1)	10.00	S-C	-2974 / 0	0.83 (1)
S-B	-270 / 0	0.0	0.0 0.03 (1)	7.81	I-L	-2974 / 0	0.83 (1)
L-J	-270 / 0	0.0	0.0 0.03 (1)	7.81			
S-R	0 / 2417	-18.5	-18.5 0.53 (1)	10.00			
R-Q	0 / 2489	-18.5	-18.5 0.54 (1)	10.00			
Q-P	0 / 2489	-18.5	-18.5 0.54 (1)	10.00			
P-O	0 / 3509	-18.5	-18.5 0.84 (1)	10.00			
O-N	0 / 2489	-18.5	-18.5 0.54 (1)	10.00			
N-M	0 / 2489	-18.5	-18.5 0.54 (1)	10.00			
M-L	0 / 2417	-18.5	-18.5 0.53 (1)	10.00			

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. C/C

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

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

THIS DESIGN COMPLIES WITH:
 - PART 9 OF BCBC 2018, 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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.21")
 ALLOWABLE DEFL.(TL) = L/360 (1.17")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.41")

CS1: TC=0.95/1.00 (D-E:1), BC=0.84/1.00 (O-P:1), WB=0.83/1.00 (I-L:1), SS=0.28/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

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

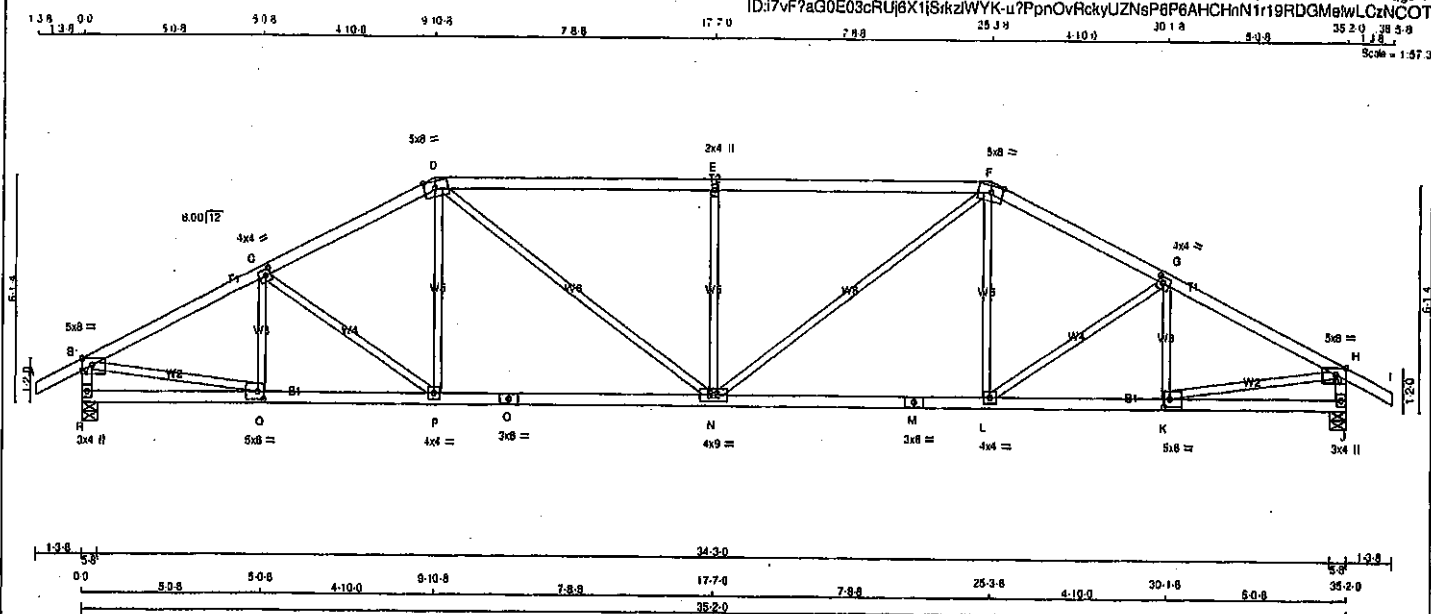
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
 DWG# T-2007109



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMWW-p	MT20	5.0	8.0	Edge 3.50
C	TMWW-t	MT20	4.0	4.0	2.00 1.75
D	TTWW-m	MT20	5.0	8.0	2.25 3.75
E	TMWW-w	MT20	2.0	4.0	
F	TTWW-m	MT20	5.0	8.0	2.25 3.75
G	TMWW-t	MT20	4.0	4.0	2.00 1.75
H	TMWW-p	MT20	5.0	8.0	Edge 3.50
J	BMV1-p	MT20	3.0	4.0	
K	BMWW-t	MT20	5.0	8.0	2.50 2.00
L	BMWW-t	MT20	4.0	4.0	
M	BS-t	MT20	3.0	8.0	
N	BMWW-w	MT20	4.0	4.0	
O	BS-t	MT20	3.0	8.0	
P	BMWW-t	MT20	4.0	4.0	
Q	BMWW-t	MT20	5.0	8.0	2.50 2.00
R	BMV1-p	MT20	3.0	4.0	

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

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

BEARINGS

JT	VERT	HORZ	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
R	2083	0	2083	0	5-8	5-8
J	2083	0	2083	0	5-8	5-8

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
R	1457	969 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0
J	1457	969 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.78 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORZ. LOAD (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORZ. LOAD (LBS)
FR-TO				FR-TO			
A-B	0 / 28	-91.8	-91.8 0.12 (1)	O-C	-353 / 0	0.08 (1)	
B-C	-2834 / 0	-91.8	-91.8 0.39 (1)	C-P	-210 / 0	0.13 (1)	
C-D	-2687 / 0	-91.8	-91.8 0.37 (1)	P-D	0 / 246	0.08 (4)	
D-E	-3060 / 0	-91.8	-91.8 0.97 (1)	D-N	0 / 844	0.19 (1)	
E-F	-3060 / 0	-91.8	-91.8 0.97 (1)	N-E	-872 / 0	0.51 (1)	
F-G	-2687 / 0	-91.8	-91.8 0.37 (1)	N-F	0 / 844	0.19 (1)	
G-H	-2834 / 0	-91.8	-91.8 0.39 (1)	L-F	0 / 246	0.08 (4)	
H-I	0 / 28	-91.8	-91.8 0.12 (1)	L-G	-210 / 0	0.13 (1)	
R-B	-2018 / 0	0.0	0.0 0.20 (1)	K-G	-353 / 0	0.08 (1)	
J-H	-2018 / 0	0.0	0.0 0.20 (1)	B-Q	0 / 2591	0.58 (1)	
				K-H	0 / 2591	0.58 (1)	
R-Q	0 / 0	-18.5	-18.5 0.10 (4)				
O-P	0 / 2555	-18.5	-18.5 0.51 (1)				
P-O	0 / 2388	-18.5	-18.5 0.49 (1)				
O-N	0 / 2388	-18.5	-18.5 0.49 (1)				
N-M	0 / 2388	-18.5	-18.5 0.49 (1)				
M-L	0 / 2388	-18.5	-18.5 0.49 (1)				
L-K	0 / 2555	-18.5	-18.5 0.51 (1)				
K-J	0 / 0	-18.5	-18.5 0.10 (4)				

TOTAL WEIGHT = 2 X 139 = 277 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. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, 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 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = L/989 (0.17")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/989 (0.34")

CSI: TC=0.97/1.00 (D-E:1), BC=0.51/1.00 (K-L:1),
WB=0.58/1.00 (H-K:1), SS=0.34/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 L3 BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

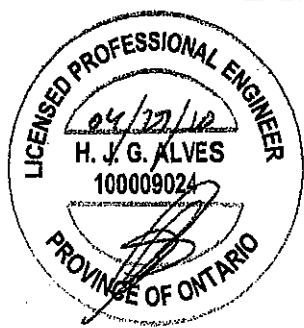
NAIL VALUES

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

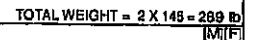
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.87 (D) (INPUT = 0.90)
JSI METAL = 0.75 (O) (INPUT = 1.00)



Structural component only
DWG# T-2007110



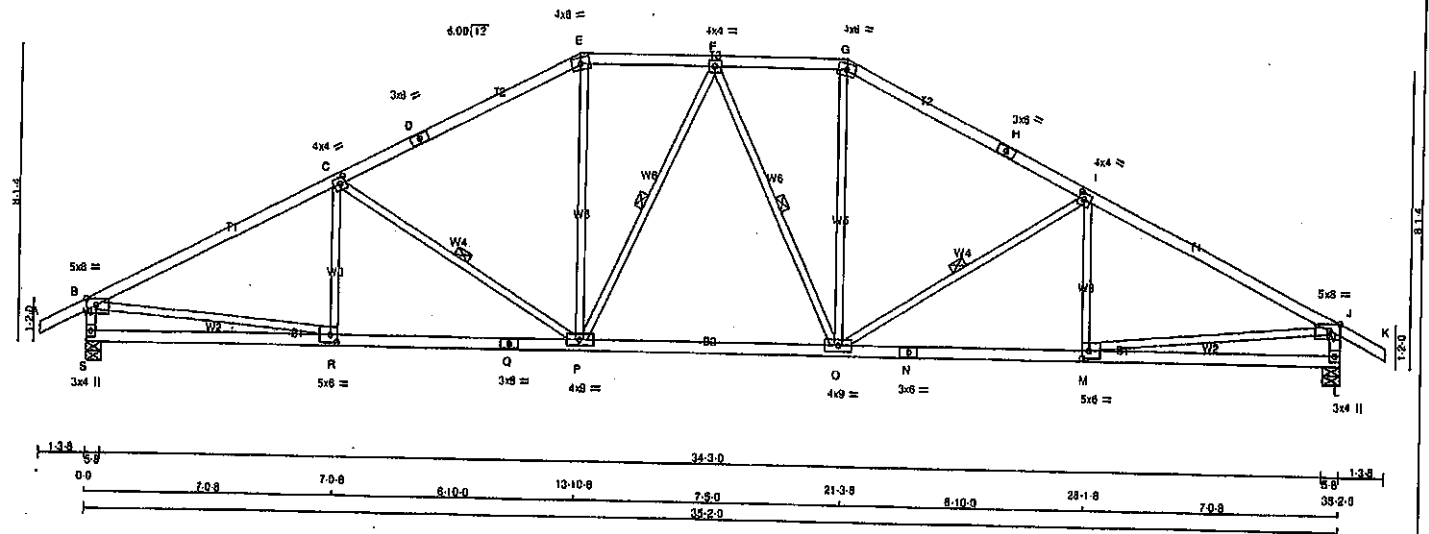
JSI GRIP = 0.89 (Q) (INPUT = 0.80)
JSI METAL = 0.69 (M) (INPUT = 1.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408152	T44	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 Mitex Industries, Inc. Sat Apr 25 11:29:38 2020 Page 1
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LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	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
S - B	2x4	DRY	No.2
L - J	2x4	DRY	No.2
S - N	2x4	DRY	No.2
Q - N	2x4	DRY	No.2
N - L	2x4	DRY	No.2

ALL WEBS 2x3 DRY No.2
EXCEPT
SPF

DRY: SEASONED LUMBER.

PLATES (tablets in inches)					
JT	TYPE	PLATES	W	LEN	Y X
S	TMVW-p	MT20	5.0	8.0	Edge 3.60
C	TMVW-l	MT20	4.0	4.0	2.00 1.75
D	TS-l	MT20	3.0	8.0	
E	TTW-m	MT20	4.0	8.0	
F	TMVW-l	MT20	4.0	4.0	
G	TTW-m	MT20	4.0	8.0	
H	TS-l	MT20	3.0	8.0	
I	TMVW-l	MT20	4.0	4.0	2.00 1.75
J	TMVW-p	MT20	5.0	8.0	Edge 3.50
L	BMV-l	MT20	3.0	4.0	
M	BMVW-l	MT20	5.0	8.0	2.50 2.25
N	BS-l	MT20	3.0	8.0	
O	BMVW-l	MT20	4.0	8.0	
P	BMVW-l	MT20	4.0	8.0	
Q	BS-l	MT20	3.0	8.0	
R	BMVW-l	MT20	5.0	8.0	2.50 2.25
S	BMV-l	MT20	3.0	4.0	

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	BRG
S	2083	0	0	2083	0	0	0	5-8	5-8
L	2083	0	0	2083	0	0	0	5-8	5-8

UNFACTORED REACTIONS							
JT	1ST CASE	MAX	MIN	COMPONENT	REACTIONS		
S	COMBINED	1457	989 / 0	SNOW	0 / 0	LIVE	0 / 0
L	COMBINED	1457	989 / 0	SNOW	0 / 0	LIVE	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF C-P, F-P, F-O, I-O.

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

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 28	-91.8 -91.8	0.12 (1)	10.00	R-G	-182 / 52	0.08 (1)
B-C	-2908 / 0	-91.8 -91.8	0.83 (1)	3.25	C-P	-637 / 0	0.29 (1)
C-D	-2373 / 0	-91.8 -91.8	0.72 (1)	3.68	P-E	0 / 674	0.15 (1)
D-E	-2373 / 0	-91.8 -91.8	0.72 (1)	3.68	F-F	-222 / 0	0.11 (1)
E-F	-2100 / 0	-91.8 -91.8	0.19 (1)	4.63	F-O	-222 / 0	0.11 (1)
F-G	-2100 / 0	-91.8 -91.8	0.19 (1)	4.63	O-G	0 / 674	0.15 (1)
G-H	-2373 / 0	-91.8 -91.8	0.72 (1)	3.68	C-I	-637 / 0	0.29 (1)
H-I	-2373 / 0	-91.8 -91.8	0.72 (1)	3.68	M-I	-182 / 52	0.08 (1)
I-J	-2908 / 0	-91.8 -91.8	0.83 (1)	3.25	B-R	0 / 2649	-0.80 (1)
J-K	0 / 28	-91.8 -91.8	0.12 (1)	10.00	M-J	0 / 2649	0.80 (1)
S-B	-2008 / 0	0.0 0.0	0.20 (1)	5.96			
L-J	-2008 / 0	0.0 0.0	0.20 (1)	5.96			
S-R	0 / 0	-18.5 -18.5	0.20 (4)	10.00			
R-Q	0 / 2630	-18.5 -18.5	0.52 (1)	10.00			
Q-P	0 / 2630	-18.5 -18.5	0.52 (1)	10.00			
P-O	0 / 2193	-18.5 -18.5	0.45 (1)	10.00			
O-N	0 / 2630	-18.5 -18.5	0.52 (1)	10.00			
N-M	0 / 2630	-18.5 -18.5	0.52 (1)	10.00			
M-L	0 / 0	-18.5 -18.5	0.20 (4)	10.00			

TOTAL WEIGHT = 2 X 145 = 291 b

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 8.00/12

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, 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 26.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (1.17)
CALCULATED VERT. DEFL. (LL) = L/999 (0.14)
ALLOWABLE DEFL. (TL) = L/360 (1.17)
CALCULATED VERT. DEFL. (TL) = L/999 (0.30)

CSI: TC=0.83/1.00 (I-J:1), BC=0.52/1.00 (M-O:1),
WB=0.80/1.00 (B-R:1), SS=0.28/1.00 (I-J:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

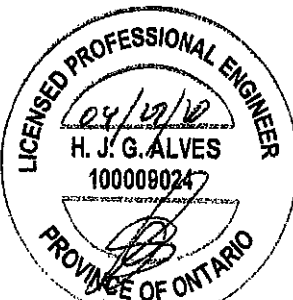
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP (ORY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1857 788 1997 1856

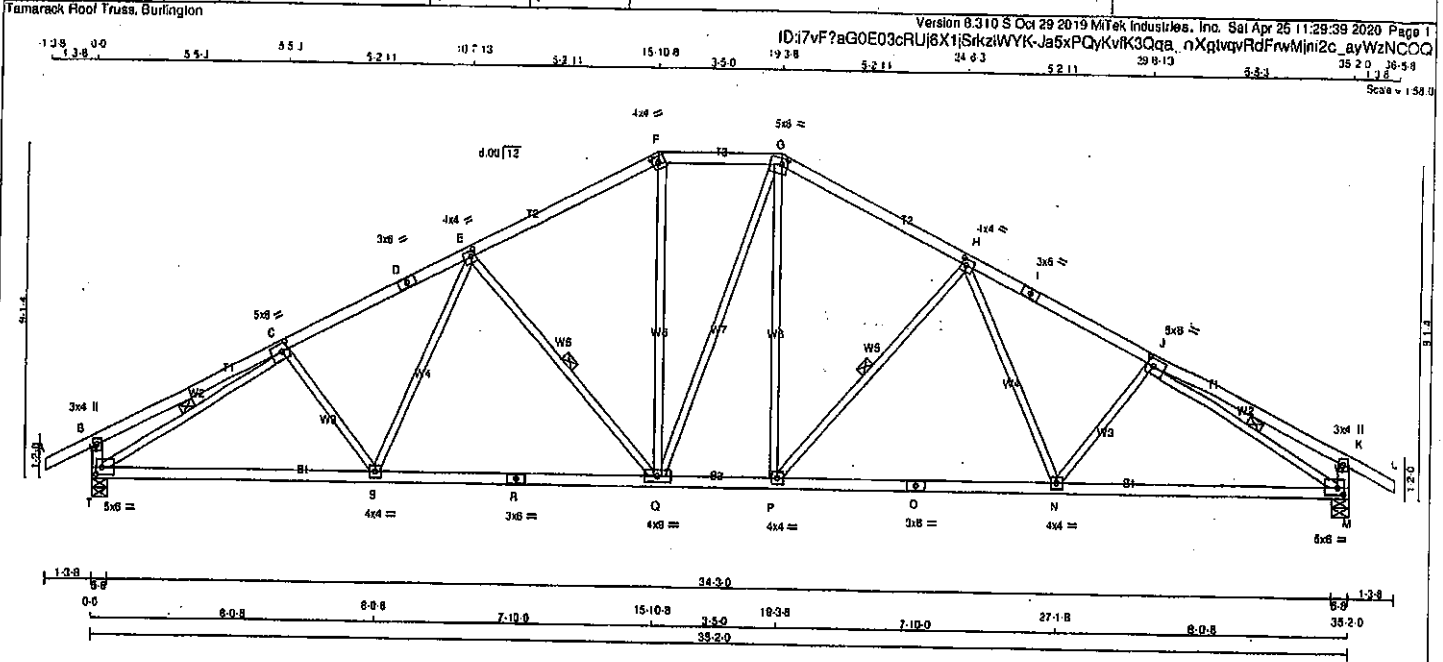
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.88 (M) (INPUT = 0.80)
JSI METAL = 0.79 (N) (INPUT = 1.00)



Structural component only
DWG# T-2007112



LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER				TOTAL WEIGHT = 2 X 151 = 302 b			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.	BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD	DESIGN CRITERIA	
A - D	2x4	DRY	No.2	SPF	GROSS REACTION	VERT	GROSS REACTION	BRG	BRG	SPECIFIED LOADS:	
D - F	2x4	DRY	No.2	SPF	DOWN	HORIZ	DOWN	HORIZ	UPLIFT	TOP CH. LL = 25.8 PSF	
F - G	2x4	DRY	No.2	SPF	0	0	0	0	5-8	DL = 6.0 PSF	
G - I	2x4	DRY	No.2	SPF	2063	0	2063	0	5-8	BOT CH. LL = 0.0 PSF	
I - L	2x4	DRY	No.2	SPF	0	0	0	0	5-8	DL = 7.4 PSF	
L - B	2x4	DRY	No.2	SPF	0	0	0	0	5-8	TOTAL DL = 39.0 PSF	
B - K	2x4	DRY	No.2	SPF	0	0	0	0	5-8	SPACING = 24.0 IN. C/C	
K - R	2x4	DRY	No.2	SPF	0	0	0	0	5-8	LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12	
R - O	2x4	DRY	No.2	SPF	0	0	0	0	5-8	THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015	
O - M	2x4	DRY	No.2	SPF	0	0	0	0	5-8	THIS DESIGN COMPLIES WITH:	
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF	0	0	0	0	5-8	- PART 9 OF CBC 2015, OBC 2012, ABC 2019	
										- PART 9 OF OBC 2012 (2019 AMENDMENT)	
										- CSA 088-09, CSA 088-14	
										- TPIC 2011, TPIC 2014	

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVW-t	MT20	5.0	8.0	2.50	2.25
D	TS-t	MT20	3.0	6.0		
E	TMVW-t	MT20	4.0	4.0	2.00	1.50
F	TTW-h	MT20	4.0	4.0	2.00	1.75
G	TTWV-m	MT20	5.0	8.0	2.00	2.00
H	TMVW-t	MT20	4.0	4.0	2.00	1.50
I	TS-t	MT20	3.0	6.0		
J	TMVW-t	MT20	5.0	8.0	2.50	2.25
K	TMV+p	MT20	3.0	4.0		
L	BMVW-t	MT20	5.0	8.0	2.25	2.00
M	P, S					
N	BMVW-t	MT20	4.0	4.0		
O	BS-t	MT20	3.0	6.0		
P	BMVW-t	MT20	4.0	4.0		
Q	BS-t	MT20	3.0	6.0		
R	BMVW-t	MT20	5.0	8.0	2.25	2.00

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.88 FT.

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

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-Q, H-P, C-T, J-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 LC1 (PLF)	MAX. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM TO		UNBRAC LENGTH FR-TO			
A-B	0 / 28	-31.8 -31.8	0.12 (1)	10.00	C-S	-110 / 37	0.04 (1)
B-C	0 / 19	-31.8 -31.8	0.32 (1)	10.00	S-E	0 / 278	0.06 (1)
C-D	-2759 / 0	-31.8 -31.8	0.40 (1)	3.88	E-Q	-681 / 0	0.31 (1)
D-E	-2759 / 0	-31.8 -31.8	0.40 (1)	3.88	Q-F	0 / 613	0.14 (1)
E-F	-2167 / 0	-31.8 -31.8	0.38 (1)	4.30	Q-G	0 / 4	0.00 (1)
F-G	-1925 / 0	-31.8 -31.8	0.18 (1)	4.71	P-G	0 / 609	0.14 (1)
G-H	-2166 / 0	-31.8 -31.8	0.36 (1)	4.30	P-H	-682 / 0	0.31 (1)
H-I	-2780 / 0	-31.8 -31.8	0.40 (1)	3.88	H-N	0 / 278	0.06 (1)
I-J	-2780 / 0	-31.8 -31.8	0.40 (1)	3.88	N-J	-110 / 37	0.04 (1)
J-K	0 / 19	-31.8 -31.8	0.32 (1)	10.00	T-C	-3040 / 0	0.85 (1)
K-L	0 / 28	-31.8 -31.8	0.12 (1)	10.00	J-M	-3041 / 0	0.85 (1)
T-B	-328 / 0	0.0	0.0	0.03 (1)			
M-K				7.81			

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 8, 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 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.17")
CALCULATED VERT. DEFL(LL) = L/999 (0.15")
ALLOWABLE DEFL.(TL)= L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/999 (0.32")

CSF: TC=0.40/1.00 (H-J); BC=0.56/1.00 (M-N);
WB=0.88/1.00 (J-M); SS=0.20/1.00 (B-C);

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.

Structural component only
DWG# T-2007113

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

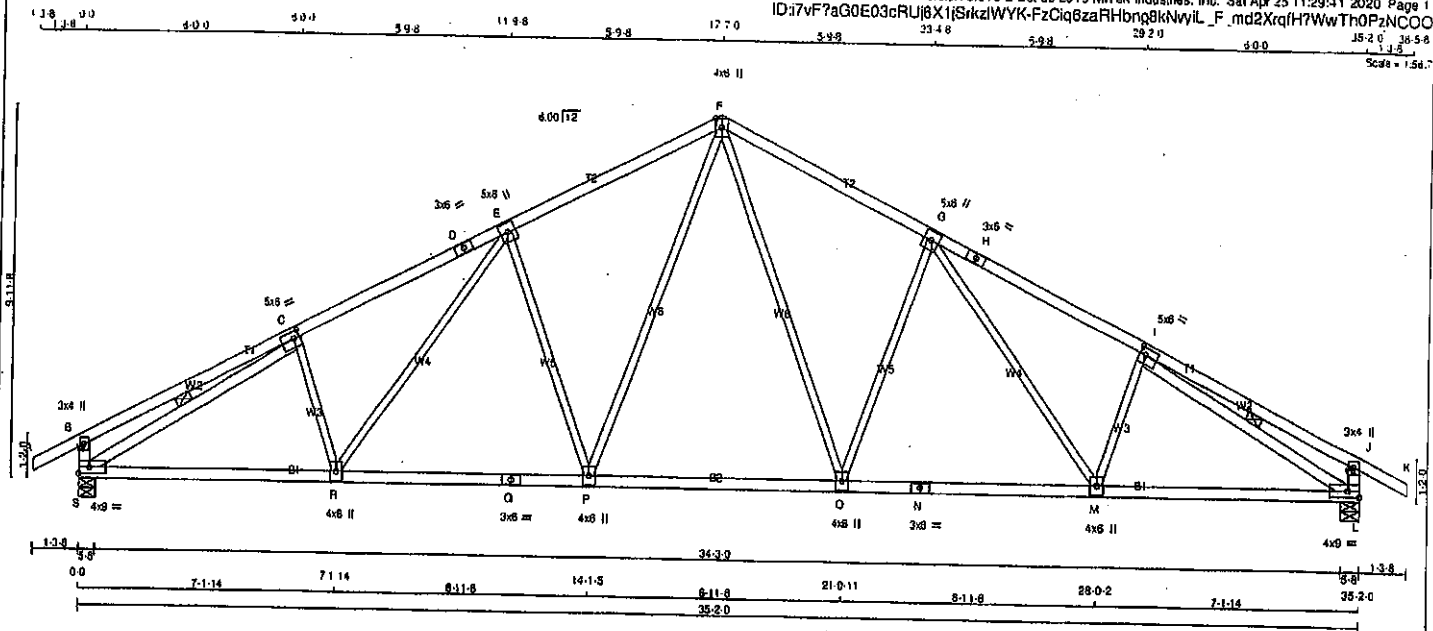
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.89 (M) (INPUT = 0.90)
JSI METAL = 0.83 (O) (INPUT = 1.00)

Tamarack Roof Truss, Burlington

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LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (tablets in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+P	MT20	3.0	4.0		
C	TMWW-I	MT20	5.0	8.0	2.25	2.00
D	TS-I	MT20	3.0	8.0		
E	TMWW+H	MT20	5.0	8.0		
F	TTWW+P	MT20	4.0	8.0		Edge
G	TMWW+H	MT20	5.0	8.0		
H	TS-I	MT20	3.0	8.0		
I	TMWW-I	MT20	5.0	8.0	2.25	2.00
J	TMV+P	MT20	3.0	4.0		
L	BMVW-I	MT20	4.0	9.0		Edge
M, O, P, R						
M	BMWW+H	MT20	4.0	8.0		
N	BS-I	MT20	3.0	8.0		
Q	BS-I	MT20	3.0	8.0		
S	BMVW-I	MT20	4.0	9.0		Edge

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

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
S	2063	0	2063	0	5-8	5-8
L	2063	0	2063	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LOSE		MAX/MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
S	1457	989 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0
L	1457	989 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.75 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.

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MAX. UNSRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
FR-TO					FR-TO		
A-B	0 / 28	-91.8	-91.8 0.12 (1)	10.00	F-O	0 / 868	0.19 (1)
B-C	0 / 22	-91.8	-91.8 0.40 (1)	10.00	O-G	-728 / 0	0.72 (1)
C-D	-2808 / 0	-91.8	-91.8 0.49 (1)	3.75	G-M	0 / 391	0.09 (1)
D-E	-2808 / 0	-91.8	-91.8 0.49 (1)	3.75	M-I	-192 / 18	0.05 (1)
E-F	-2322 / 0	-91.8	-91.8 0.46 (1)	4.07	P-F	0 / 868	0.19 (1)
F-G	-2322 / 0	-91.8	-91.8 0.46 (1)	4.07	E-P	-728 / 0	0.72 (1)
G-H	-2808 / 0	-91.8	-91.8 0.49 (1)	3.75	R-E	0 / 391	0.09 (1)
H-I	-2808 / 0	-91.8	-91.8 0.49 (1)	3.75	C-R	-192 / 18	0.05 (1)
I-J	0 / 22	-91.8	-91.8 0.40 (1)	10.00	S-C	-3084 / 0	0.72 (1)
J-K	0 / 28	-91.8	-91.8 0.12 (1)	10.00	I-L	-3084 / 0	0.72 (1)
S-B	-344 / 0	0.0	0.0 0.03 (1)	7.81			
L-J	-344 / 0	0.0	0.0 0.03 (1)	7.81			
S-R	0 / 2574	-18.5	-18.5 0.53 (1)	10.00			
R-Q	0 / 2291	-18.5	-18.5 0.47 (1)	10.00			
Q-P	0 / 2291	-18.5	-18.5 0.47 (1)	10.00			
P-O	0 / 1762	-18.5	-18.5 0.38 (1)	10.00			
O-N	0 / 2291	-18.5	-18.5 0.47 (1)	10.00			
N-M	0 / 2291	-18.5	-18.5 0.47 (1)	10.00			
M-L	0 / 2574	-18.5	-18.5 0.53 (1)	10.00			

TOTAL WEIGHT = 6 X 152 = 910 lb (M/F)

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./G

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 (2015 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 (1.17")
CALCULATED VERT. DEFL. (LL) = L/989 (0.14")
ALLOWABLE DEFL. (TL) = L/360 (1.17")
CALCULATED VERT. DEFL. (TL) = L/989 (0.28")

CSI: TO=0.48/1.00 (C-E:1), BC=0.53/1.00 (L-M:1), WB=0.72/1.00 (E-P:1), SS=0.22/1.00 (N-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 SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1687 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.87 (C) (INPUT = 0.90)
JSI METAL = 0.77 (I) (INPUT = 1.00)



Structural component only
DWG# T-2007114

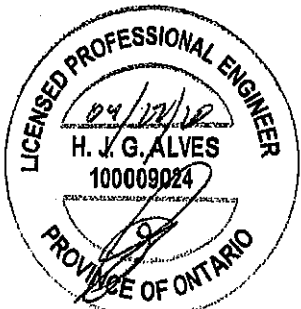
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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408152	T47	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	4.0	6.0	1.00	3.00
C	TTWW-m	MT20	5.0	6.0	2.25	2.00
D	TMW-w	MT20	2.0	4.0		
E	TTWW-m	MT20	5.0	6.0	2.25	2.00
F	TMVW-p	MT20	4.0	4.0	1.50	2.00
G	BMV1-p	MT20	3.0	6.0		
H	BMWW-i	MT20	5.0	6.0		
I	BS-i	MT20	5.0	6.0		
J	BMWWW-i	MT20	5.0	8.0		
K	BMWW-i	MT20	5.0	6.0		
L	BMV1-p	MT20	3.0	6.0		



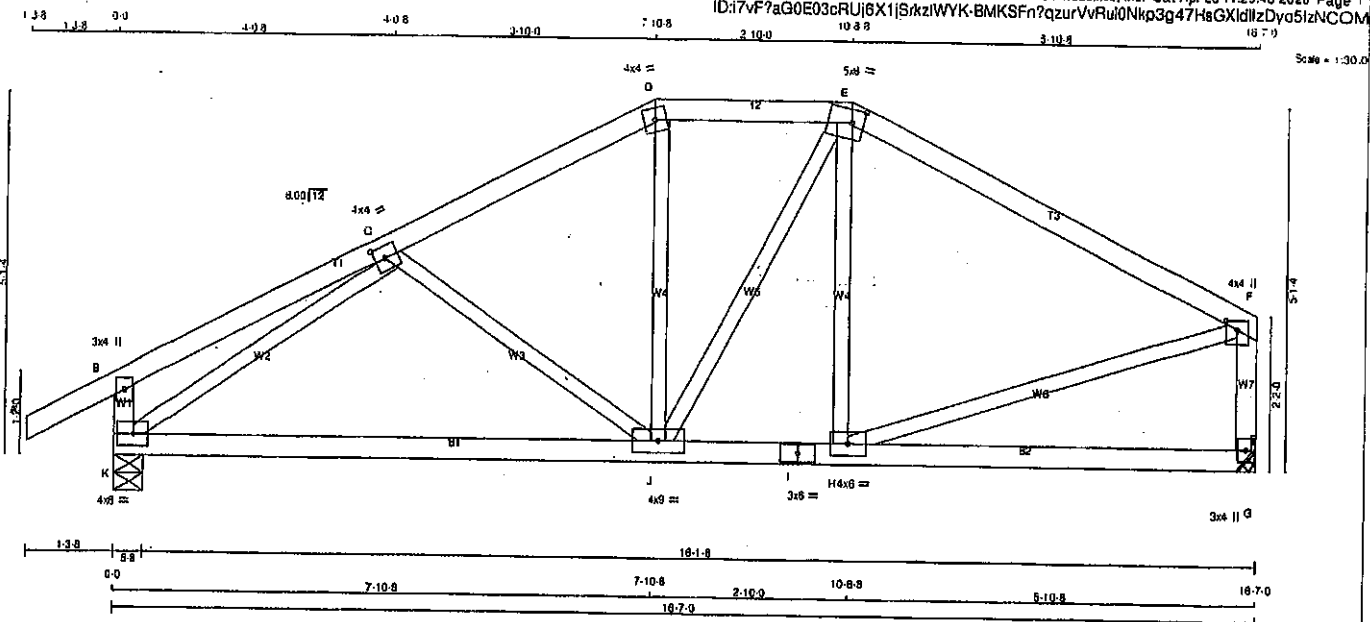
Structural component only
DWG# T-2007115 *3/2*

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408152	T48	1	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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LUMBER TOTAL WEIGHT = 68 lb

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

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	4.0	4.0	2.00	1.75
D	TTVW-m	MT20	4.0	4.0		
E	TTVW-m	MT20	5.0	6.0	2.25	2.00
F	TMVW+p	MT20	4.0	4.0	1.50	2.00
G	BMV1+p	MT20	3.0	4.0		
H	BMWW-1	MT20	4.0	6.0		
I	BS-1	MT20	3.0	6.0		
J	BMWWW-1	MT20	4.0	9.0		
K	BMVW1-1	MT20	4.0	6.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG
K	VERT	DOWN	HORIZ	UPLIFT
K	1039	0	1039	0
G	914	0	914	0

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	732	494.0	0.0	0.0	0.0	238.0	0.0
G	848	424.0	0.0	0.0	0.0	222.0	0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. FURLIN SPACING = 6.12 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	0.728	-91.8	-91.8 0.12 (1)	10.00	C-J	-232.0	0.10 (1)
B-C	0.718	-91.8	-91.8 0.22 (1)	10.00	J-D	0.134	0.03 (4)
C-D	-918.0	-91.8	-91.8 0.18 (1)	8.24	J-E	0.152	0.03 (1)
D-E	-808.0	-91.8	-91.8 0.10 (1)	6.25	H-E	-183.0	0.06 (1)
E-F	-821.0	-91.8	-91.8 0.42 (1)	6.12	K-C	-1221.0	0.47 (1)
K-B	-285.0	0.0	0.0 0.03 (1)	7.81	H-F	0.789	0.17 (1)
G-F	-868.0	0.0	0.0 0.10 (1)	7.81			
K-J	0.793	-18.5	-18.5 0.32 (4)	10.00			
J-I	0.731	-18.5	-18.5 0.31 (4)	10.00			
I-H	0.731	-18.5	-18.5 0.31 (4)	10.00			
H-G	0.7	-18.5	-18.5 0.16 (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

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.55")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.55")
CALCULATED VERT. DEFL.(TL) = L/999 (0.13")

CS1: TC=0.42/1.00 (E-F:1), BC=0.32/1.00 (J-K:4), WB=0.47/1.00 (C-K:1), SS1=0.19/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

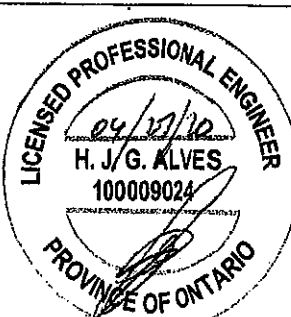
NAIL VALUES

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

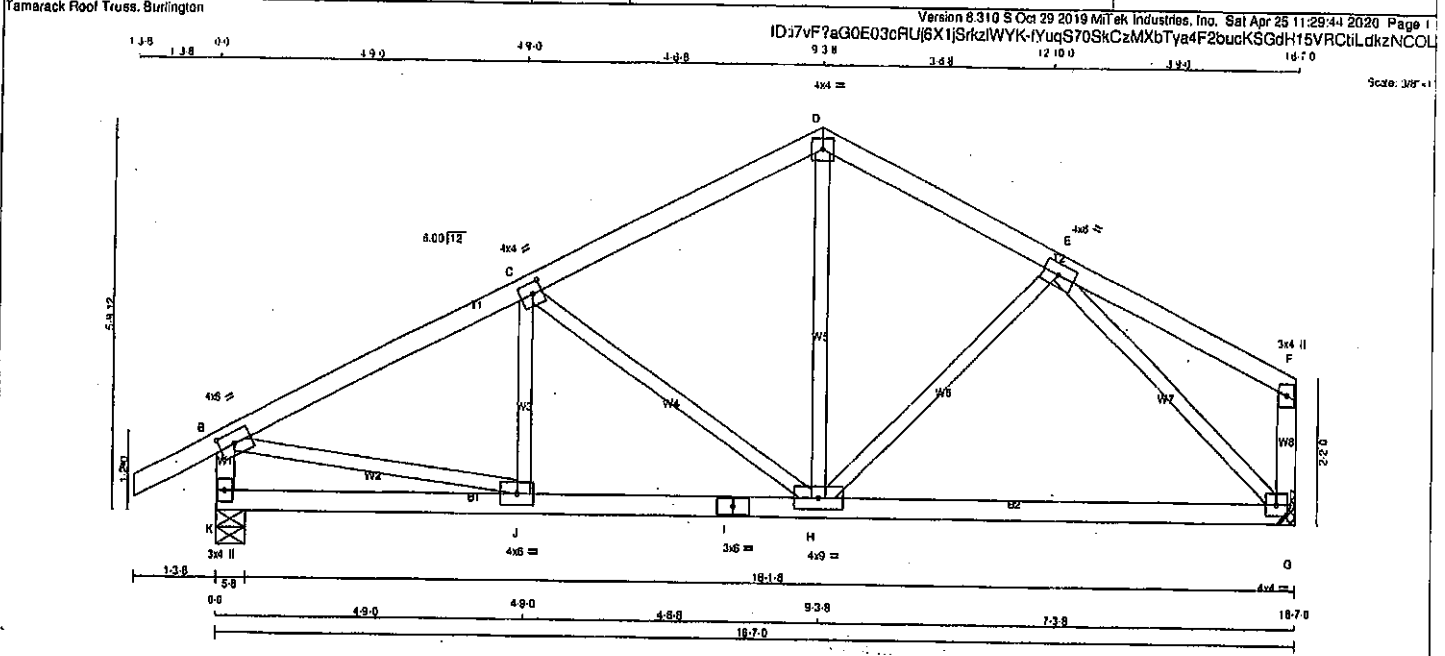
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.87 (C) (INPUT = 0.90)
JSI METAL = 0.41 (C) (INPUT = 1.00)



Structural component only
DWG# T-2007116



LUMBER

N.L.G.A. RULES

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

SPF

DRY: SEASONED LUMBER.

PLATES (tablets in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-1	MT20	4.0	8.0	2.00	3.00
C	TMVW-1	MT20	4.0	4.0	2.00	1.75
D	TTW-p	MT20	4.0	4.0		
E	TMVW-1	MT20	4.0	4.0		
F	TMV-p	MT20	3.0	4.0		
G	BMVW-1	MT20	4.0	4.0		
H	BMVW-1	MT20	4.0	9.0		
I	BS-1	MT20	3.0	8.0		
J	BMVW-1	MT20	4.0	8.0		
K	BMV-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	REQD BRG
JT	VERT	DOWN	5-8	5-8
K	HORZ	HORZ	5-8	5-8
G	UP/LIFT	UP/LIFT	MECHANICAL	MECHANICAL

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

UNFACTORED REACTIONS

1ST CASE	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	732	494 / 0	0 / 0	0 / 0	0 / 0	238 / 0	0 / 0
K	846	424 / 0	0 / 0	0 / 0	0 / 0	222 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.66 FT.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				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 / 28	-91.8 -91.8	0.12 (1)	J-C	-114 / 23	0.02 (1)	
B-C	-1135 / 0	-91.8 -91.8	0.28 (1)	C-H	-418 / 0	0.22 (1)	
C-D	-799 / 0	-91.8 -91.8	0.25 (1)	H-D	0 / 407	0.09 (1)	
D-E	-793 / 0	-91.8 -91.8	0.15 (1)	H-E	-39 / 37	0.02 (1)	
E-F	0 / 17	-91.8 -91.8	0.19 (1)	B-J	0 / 1051	0.24 (1)	
K-B	-998 / 0	0.0 0.0	0.10 (1)	E-G	-1028 / 0	0.44 (1)	
G-F	-128 / 0	0.0 0.0	0.02 (1)				
K-J	0 / 0	-18.5 -18.5	0.10 (4)				
J-I	0 / 1034	-18.5 -18.5	0.28 (4)				
I-H	0 / 1034	-18.5 -18.5	0.29 (4)				
H-G	0 / 722	-18.5 -18.5	0.28 (4)				

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 = 38.0 PSF

SPACING = 24.0 IN. O.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 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 (0.55")

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

ALLOWABLE DEFL.(TL) = L/360 (0.65")

CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TC=0.28/1.00 (B-C:1), BC=0.29/1.00 (H-J:4), WB=0.44/1.00 (E-G:1), SI=0.19/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

MAX MIN MAX MIN MAX MIN

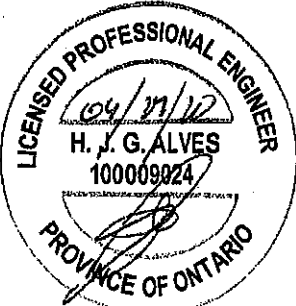
MT20 618 354 1687 788 1987 1658

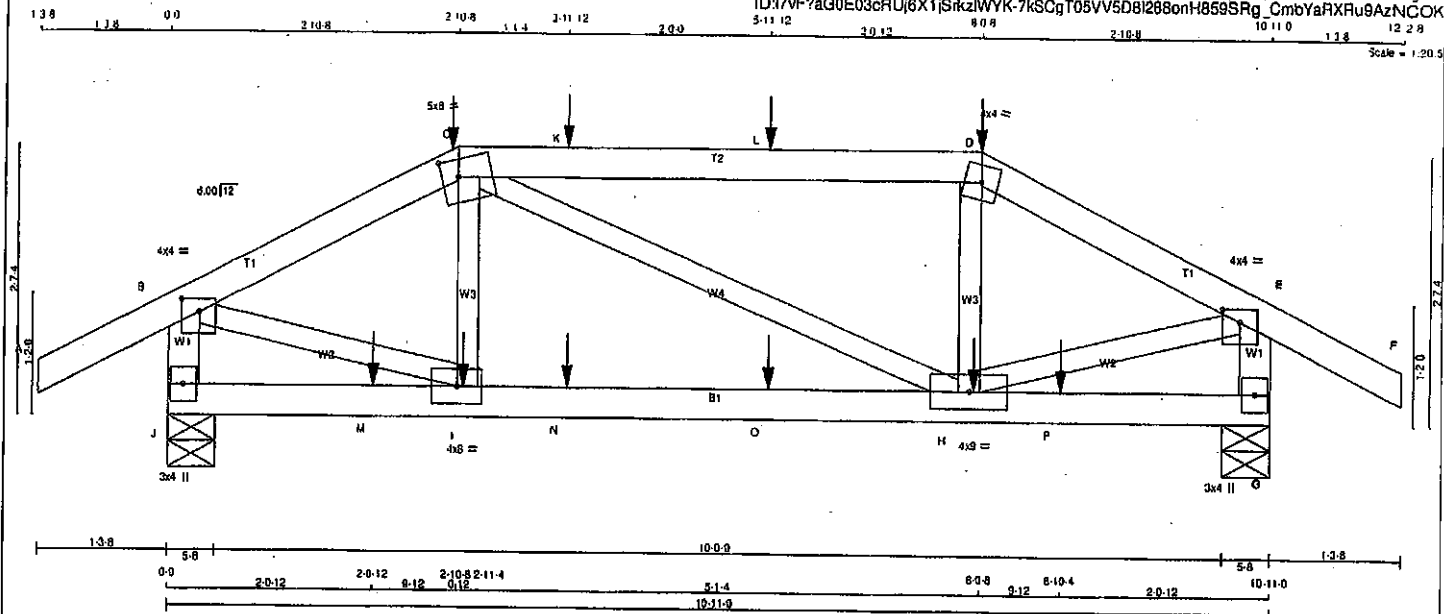
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.84 (G) (INPUT = 0.80)

JSI METAL = 0.36 (I) (INPUT = 1.00)





LUMBER

N.L.G.A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table in inches)						
JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	4.0	4.0	1.50	2.00
C	TTWW-m	MT20	5.0	5.0	2.00	2.00
D	TTW-m	MT20	4.0	4.0		
E	TMVW-p	MT20	4.0	4.0	1.50	2.00
G	BMVt-p	MT20	3.0	4.0		
H	BMWWW-t	MT20	4.0	9.0		
I	BMWW-t	MT20	4.0	8.0		
J	BMVt-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	REQD BRG
JT	VERT	DOWN	5-8	5-8
J	HORIZ	UPLIFT	5-8	5-8
G	HORIZ	UPLIFT	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
JT	COMBINED					
J	611	416 / 0	0 / 0	0 / 0	195 / 0	0 / 0
G	810	415 / 0	0 / 0	0 / 0	194 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.08 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 / 28	-91.8	-91.8 0.13 (1)	10.00	I-C	-121 / 32	0.02 (1)
B-C	-837 / 0	-91.8	-91.8 0.15 (1)	8.25	C-H	0 / 2	0.00 (4)
C-K	-743 / 0	-91.8	-91.8 0.50 (1)	8.09	H-D	-116 / 34	0.02 (1)
K-L	-743 / 0	-91.8	-91.8 0.50 (1)	8.09	B-I	0 / 776	0.19 (1)
L-D	-743 / 0	-91.8	-91.8 0.50 (1)	8.09	H-E	0 / 783	0.19 (1)
D-E	-844 / 0	-91.8	-91.8 0.15 (1)	8.25			
E-F	0 / 28	-91.8	-91.8 0.13 (1)	10.00			
J-B	-848 / 0	0.0	0.0 0.09 (1)	7.81			
G-E	-844 / 0	0.0	0.0 0.09 (1)	7.81			
J-M	0 / 0	-18.5	-18.5 0.08 (4)	10.00			
M-I	0 / 0	-18.5	-18.5 0.08 (4)	10.00			
I-N	0 / 742	-18.5	-18.5 0.18 (1)	10.00			
N-O	0 / 742	-18.5	-18.5 0.18 (1)	10.00			
O-H	0 / 742	-18.5	-18.5 0.18 (1)	10.00			
H-P	0 / 0	-18.5	-18.5 0.08 (4)	10.00			
P-G	0 / 0	-18.5	-18.5 0.08 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	OIR.	TYPE	HEEL	CONN.
D	2-10-8	-119	-119	---	FRONT	VERT	TOTAL	---	C1
H	8-0-8	-119	-119	---	FRONT	VERT	TOTAL	---	C1
I	2-11-12	-5	-5	---	FRONT	VERT	TOTAL	---	C1
K	2-11-4	-5	-5	---	FRONT	VERT	TOTAL	---	C1
L	3-11-12	-7	-7	---	FRONT	VERT	TOTAL	---	C1
M	5-11-12	-7	-7	---	FRONT	VERT	TOTAL	---	C1
N	2-0-12	-5	-5	---	FRONT	VERT	TOTAL	---	C1
O	3-11-12	-5	-5	---	FRONT	VERT	TOTAL	---	C1
P	5-11-12	-5	-5	---	FRONT	VERT	TOTAL	---	C1
P	8-10-4	-5	-5	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 43 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

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 688-09, CSA 688-14
- 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 (0.38")
CALCULATED VERT. DEFL. (LL) = L/889 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.38")
CALCULATED VERT. DEFL. (TL) = L/999 (0.03")

CSI: TC=0.50/1.00 (C-D:1), BC=0.18/1.00 (H-I:1), WB=0.19/1.00 (E-H:1), SSI=0.21/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

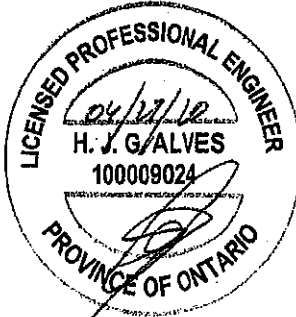
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)	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 = 0.77 (E) (INPUT = 0.80)
JSI METAL = 0.28 (E) (INPUT = 1.00)

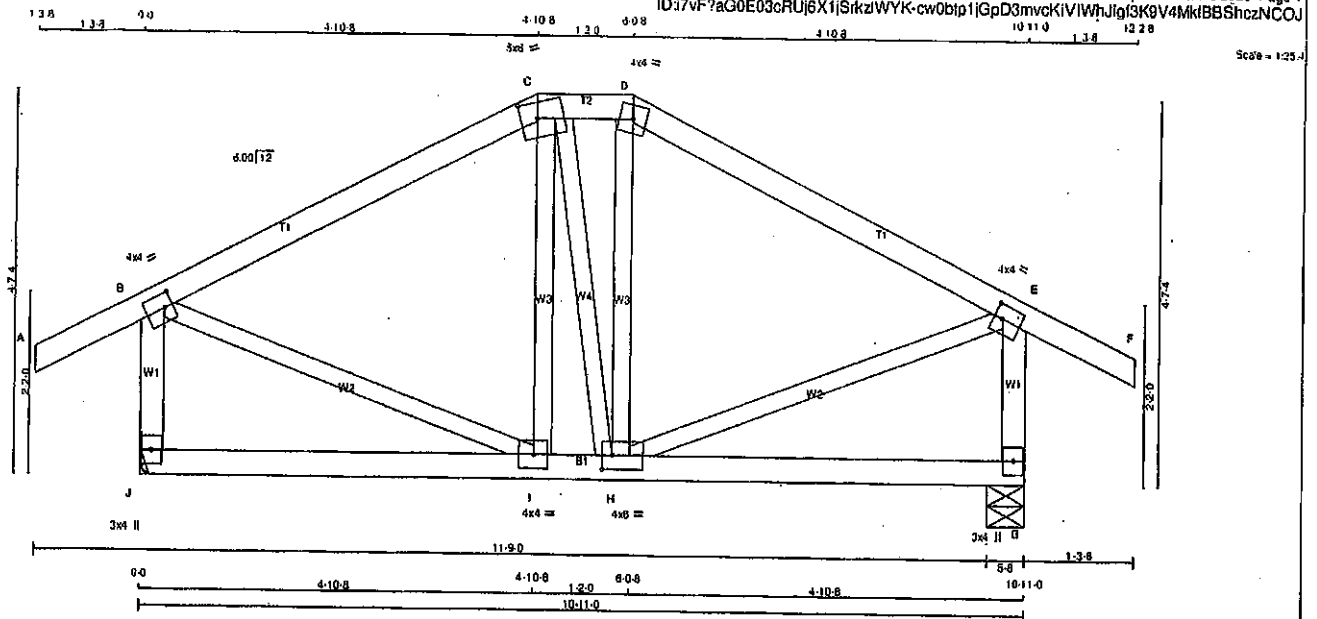


Structural component only
DWG# T-2007118

JOB NAME 408152	TRUSS NAME T51	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:37vF?aG0E03cRUj6X1SikzWYK-cw0btp1GpD3mwcKIViWhJlgf3K9V4MkBBShczNCOJ



TOTAL WEIGHT = 52 lb (M/F)

LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - C	2x4 DRY	No.2	SPF
C - D	2x4 DRY	No.2	SPF
D - F	2x4 DRY	No.2	SPF
J - B	2x4 DRY	No.2	SPF
G - E	2x4 DRY	No.2	SPF
J - G	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	TMVV-1	MT20	4.0	4.0	2.00 1.25
C	TIWW-m	MT20	5.0	6.0	2.25 2.25
D	TTW-m	MT20	4.0	4.0	
E	TMVV-1	MT20	4.0	4.0	2.00 1.25
G	BMV1-p	MT20	3.0	4.0	
H	BMWWV-1	MT20	4.0	6.0	2.00 1.50
I	BMWW-1	MT20	4.0	4.0	
J	BMV1-p	MT20	3.0	4.0	

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

BEARINGS							
FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT		REQD	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	BRG	IN-SX
J	728	0	728	0	0	MECHANICAL	
G	728	0	728	0	0	5-8	5-8

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

UNFACTORED REACTIONS							
1ST CASE MAX/MIN COMPONENT REACTIONS							
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	511	349/0	0/0	0/0	0/0	163/0	0/0
G	511	349/0	0/0	0/0	0/0	163/0	0/0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0/28	-91.8 -91.8 0.12 (1)	10.00	I-C	-78/18	0.02 (1)	
B-C	-435/0	-91.8 -91.8 0.28 (1)	8.25	C-H	-4/0	0.00 (1)	
C-D	-388/0	-91.8 -91.8 0.02 (1)	6.25	H-D	-82/19	0.03 (1)	
D-E	-434/0	-91.8 -91.8 0.28 (1)	8.25	B-I	0/415	0.09 (1)	
E-F	0/28	-91.8 -91.8 0.12 (1)	10.00	H-E	0/414	0.09 (1)	
J-B	-888/0	0.0 0.0 0.08 (1)	7.81				
G-E	-888/0	0.0 0.0 0.08 (1)	7.81				
J-I	0/0	-18.5 -18.5 0.10 (4)	10.00				
I-H	0/387	-18.5 -18.5 0.14 (4)	10.00				
H-G	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. G/G

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012, 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 (0.36")
CALCULATED VERT. DEFL.(LL) = L/899 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.36")
CALCULATED VERT. DEFL.(TL) = L/899 (0.02")

CSI: TO=0.28/1.00 (B-C:1), SC=0.14/1.00 (H-I:4),
WB=0.09/1.00 (B-I:1), SS=0.18/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

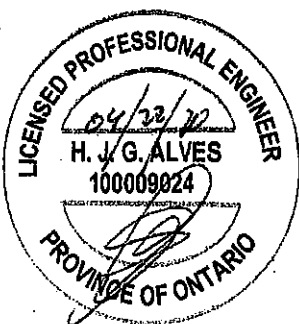
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

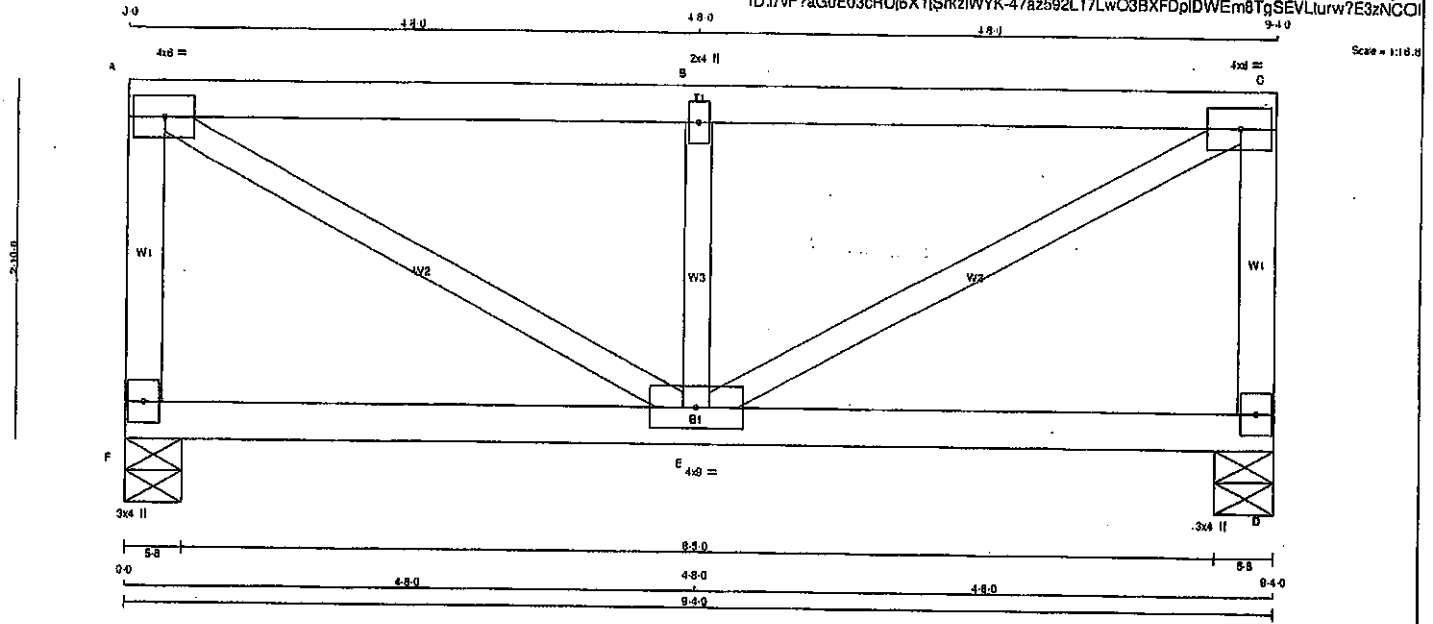
JSI GRIP= 0.66 (B) (INPUT = 0.90)
JSI METAL= 0.22 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007119

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 38 lb (M/R)

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

PLATES (tab/s in inches)	JT TYPE	PLATES	W	LEN	Y	X
A - TMVW-t	MT20	4.0	6.0			
B - TMW-w	MT20	2.0	4.0			
C - TMVW-t	MT20	4.0	6.0			
D - BMV1-p	MT20	3.0	4.0			
E - BMVWW-t	MT20	4.0	6.0			
F - BMV1-p	MT20	3.0	4.0			

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER
PROVIDE ADEQUATE DRAINAGE TO PREVENT PONDING

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
GROSS REACTION	GROSS REACTION	BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ
F	820	0	820	0
D	820	0	820	0

UNFACTORED REACTIONS

1ST LOASE	MAX./MIN. COMPONENT REACTIONS
JT	COMBINED
F	448
D	448

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.52 FT.
MAX. UNSBRACED 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	VERT. LOAD	LC1	MAX	MAX.	UNBRAC	MEMB.	MAX. FACTORED	FORCE	MAX
FR-TO	FROM	TO	FROM	TO	LENGTH	FR-TO	FROM	TO	FR-TO	FROM	TO	LENGTH
F-A	-583 / 0	0.0	0.0	0.11 (1)	7.81	A-E	0 / 792	0.24 (1)				
A-B	-895 / 0	-114.3	-114.3	0.55 (1)	5.52	E-B	-895 / 0	0.15 (1)				
B-C	-695 / 0	-114.3	-114.3	0.55 (1)	5.52	E-C	0 / 792	0.24 (1)				
D-C	-583 / 0	0.0	0.0	0.11 (1)	7.81							
F-E	0 / 0	-18.5	-18.5	0.13 (4)	10.00							
E-D	0 / 0	-18.5	-18.5	0.13 (4)	10.00							

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 15.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 48.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN PLAT SECTION BASED ON A SLOPE OF 0.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 8 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 (0.31")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.31")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CSI: TC=0.55/1.00 (B-C:1), BC=0.13/1.00 (E-F:4), WB=0.24/1.00 (A-E:1), SS=0.34/1.00 (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
PLAT ROOF FACTOR = 0.75

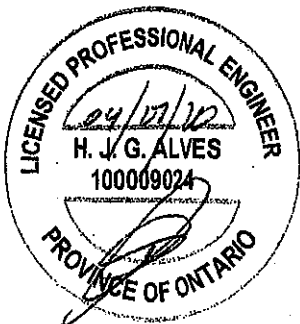
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

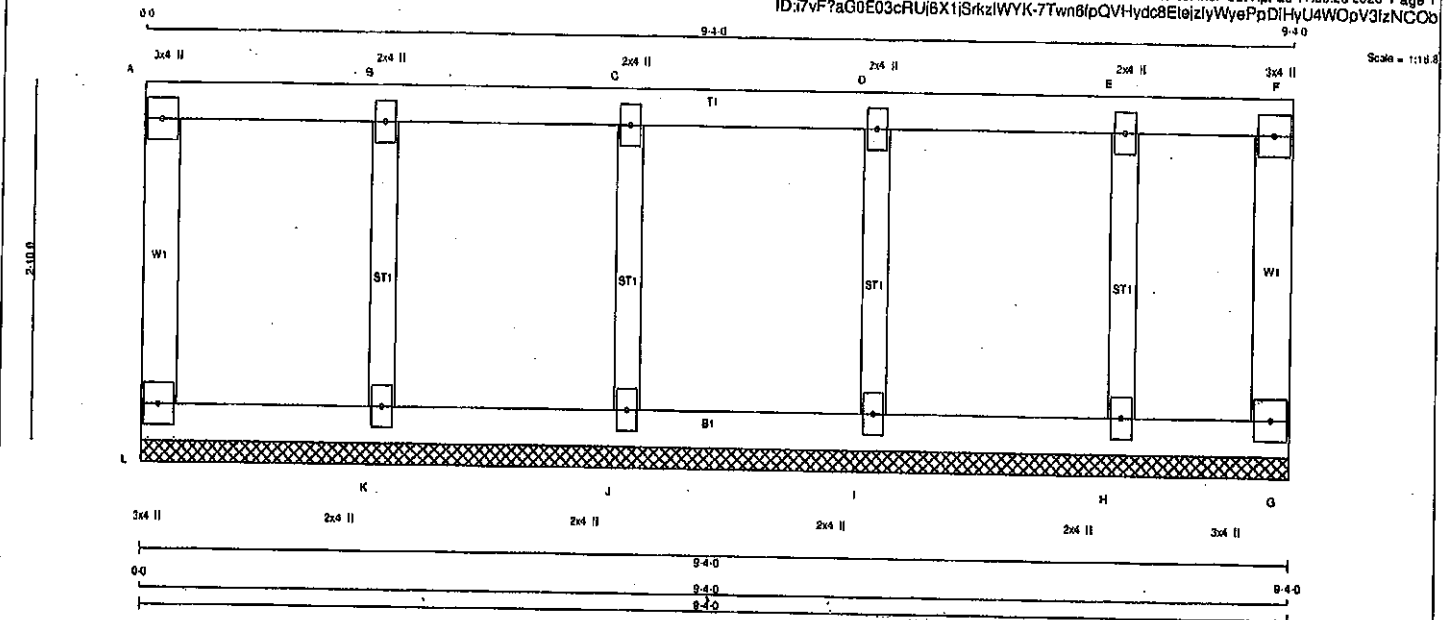
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.81 (A) (INPUT = 0.90)
JSI METAL = 0.24 (A) (INPUT = 1.00)



Structural component only
DWG# T-2007120

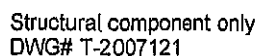
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408152	G52	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
Version 8.310 S Oct 29 2019 MITek Industries, Inc. Sat Apr 25 11:28:28 2020 Page 1					
ID: i7vF7aG0E03cRUj6X1jSrkzWYK-7Twn8lpQVHydc8ElejzlyWyePpDiHyU4WOpV3izNCOo					
Scale = 1:10.8					



LUMBER N. L. G. A. RULES CHORDS SIZE LUMBER L - A 2x4 DRY No.2 A - F 2x4 DRY No.2 G - F 2x4 DRY No.2 L - G 2x4 DRY No.2 ALL WEBS 2x3 DRY No.2 ALL GABLE WEBS 2x3 DRY No.2 DRY: SEASONED LUMBER. GABLE STUDS SPACED AT 2'-0" OC.				DESIGN CRITERIA SPECIFIED LOADS: TOP CH. LL = 25.8 PSF DL = 15.0 PSF BOT CH. LL = 0.0 PSF DL = 7.4 PSF TOTAL LOAD = 48.0 PSF SPACING = 24.0 IN. C/C LOADING IN FLAT SECTION BASED ON A SLOPE OF 0.00/12 THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015 THIS DESIGN COMPLIES WITH: - PART 9 OF CBC 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 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD CSI: TC=0.08/1.00 (A-B:1), BC=0.02/1.00 (K-L:4), WB=0.08/1.00 (B-K:1), SSI=0.13/1.00 (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 FLAT ROOF FACTOR = 0.75 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 1858 PLATE PLACEMENT TOL. = 0.250 inches PLATE ROTATION TOL. = 5.0 Deg. JSI GRIP = 0.17 (K) (INPUT = 0.80) JSI METAL = 0.07 (K) (INPUT = 1.00)				LOADING TOTAL LOAD CASES: (4) CHORDS MEMB. MAX. FACTORED FORCE (LBS) FACTORED VERT. LOAD LC1 MAX (PLF) CSI (LC) UNBRAC MAX. FACTORED FORCE (LBS) CSI (LC) FR-TO FROM TO LENGTH FR-TO L-A -101/0 0.0 0.0 0.03 (1) 7.81 K-B -245/0 0.08 (1) A-B -8/0 -114.3 -114.3 0.08 (1) 10.00 J-C -224/0 0.05 (1) B-C -8/0 -114.3 -114.3 0.08 (1) 10.00 I-D -237/0 0.05 (1) C-D -8/0 -114.3 -114.3 0.07 (1) 10.00 H-E -198/0 0.04 (1) D-E -8/0 -114.3 -114.3 0.07 (1) 10.00 E-F -8/0 -114.3 -114.3 0.05 (1) 10.00 G-F -84/0 0.0 0.0 0.02 (1) 7.81 L-K 0/8 -18.5 -18.5 0.02 (4) 10.00 K-J 0/8 -18.5 -18.5 0.02 (4) 10.00 J-I 0/8 -18.5 -18.5 0.02 (4) 10.00 I-H 0/8 -18.5 -18.5 0.02 (4) 10.00 H-G 0/8 -18.5 -18.5 0.02 (1) 10.00				PLATES (table in inches) JT TYPE PLATES W LEN Y X A TMV+p MT20 3.0 4.0 B, C, D, E B TMV+w MT20 2.0 4.0 F TMV+p MT20 3.0 4.0 G BMV1+p MT20 3.0 4.0 H, I, J, K H BMV1+w MT20 2.0 4.0 L BMV1+p MT20 3.0 4.0				PLATE PLACEMENT TOL. = 0.250 inches PLATE ROTATION TOL. = 5.0 Deg. JSI GRIP = 0.17 (K) (INPUT = 0.80) JSI METAL = 0.07 (K) (INPUT = 1.00)			
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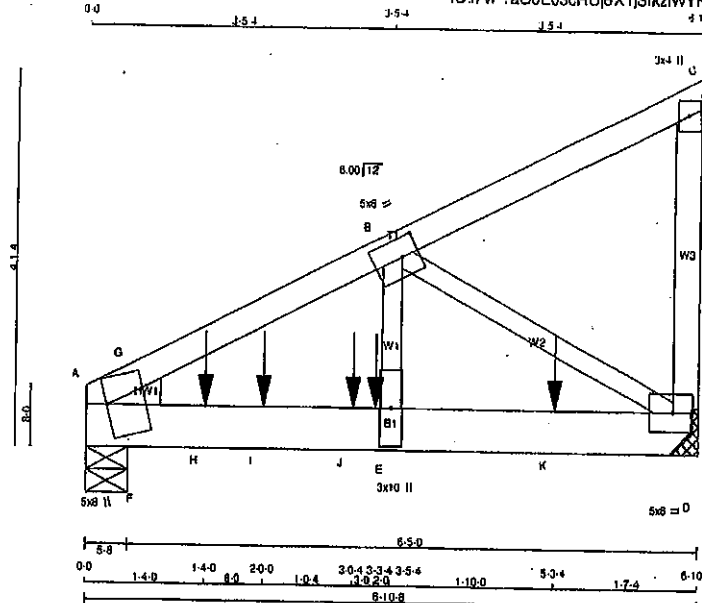


Structural component only
DWG# T-2007104



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408152	T54	1	2	GREEN PARK HOMES	
Tamareck Roof Truss, Burlington					

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LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
D - C	2x4	DRY	No.2	SPF
A - D	2x6	DRY	No.2	SPF

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

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS			
A - C	1	12	TOP
C - D	1	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS			
A - D	2	12	SIDE (0.0)
WEBS: (0.122"x3") SPIRAL NAILS			
2x3	1	8	

NAILED TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TBMH1+m	MT20	5.0	8.0	3.50	
B	TMWW-1	MT20	5.0	8.0	2.50	2.25
C	TMV+p	MT20	3.0	4.0		
D	BMVW1-1	MT20	5.0	8.0	2.50	2.75
E	BMV+w	MT20	3.0	10.0		

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

BEARINGS

JT	GROSS REACTION	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG	HEEL WEDGE
A	3467 0	3467 0	3467 0	5-8	5-8	2x4 L
D	2454 0	2454 0	2454 0	MECHANICAL		

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 4'-0.

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
A	2449	1622 / 0	0 / 0	0 / 0	0 / 0	828 / 0	0 / 0
D	1735	1144 / 0	0 / 0	0 / 0	0 / 0	591 / 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 = 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.

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-G	-4978 / 0	-91.8 -91.8 0.19 (1)	4.16	E-B	0 / 3385	0.42 (1)	
G-B	-3863 / 0	-91.8 -91.8 0.17 (1)	4.66	B-D	-4035 / 0	0.53 (1)	
B-C	-13 / 0	-91.8 -91.8 0.07 (1)	6.25	F-G	0 / 1740	0.00 (1)	
D-C	-129 / 0	0.0 0.0 0.02 (1)	7.81				
A-F	0 / 3490	-18.5 -18.5 0.25 (1)	10.00				
F-H	0 / 3490	-18.5 -18.5 0.88 (1)	10.00				
H-I	0 / 3490	-18.5 -18.5 0.68 (1)	10.00				
I-J	0 / 3490	-18.5 -18.5 0.68 (1)	10.00				
J-E	0 / 3490	-18.5 -18.5 0.68 (1)	10.00				
E-K	0 / 3490	-18.5 -18.5 0.49 (1)	10.00				
K-D	0 / 3490	-18.5 -18.5 0.49 (1)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
H	1-4-0	-1378	-1378	---	BACK	VERT	TOTAL	---	C1
I	2-0-0	-1000	-1000	---	FRONT	VERT	TOTAL	---	C1
J	3-0-4	-894	-894	---	FRONT	VERT	TOTAL	---	C1
J	3-3-4	-898	-898	---	BACK	VERT	TOTAL	---	C1
K	5-3-4	-898	-898	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 2 X 30 = 60 lb

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, ORC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIO 2011, TPIO 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 (0.23")
CALCULATED VERT. DEFL. (LL) = L/999 (0.03")
ALLOWABLE DEFL. (TL) = L/360 (0.23")
CALCULATED VERT. DEFL. (TL) = L/999 (0.05")

CSI: TC=0.19/1.00 (A-G:1), BC=0.68/1.00 (E-F:1), WB=0.53/1.00 (B-D:1), SG=0.80/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

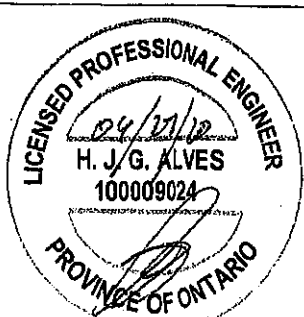
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

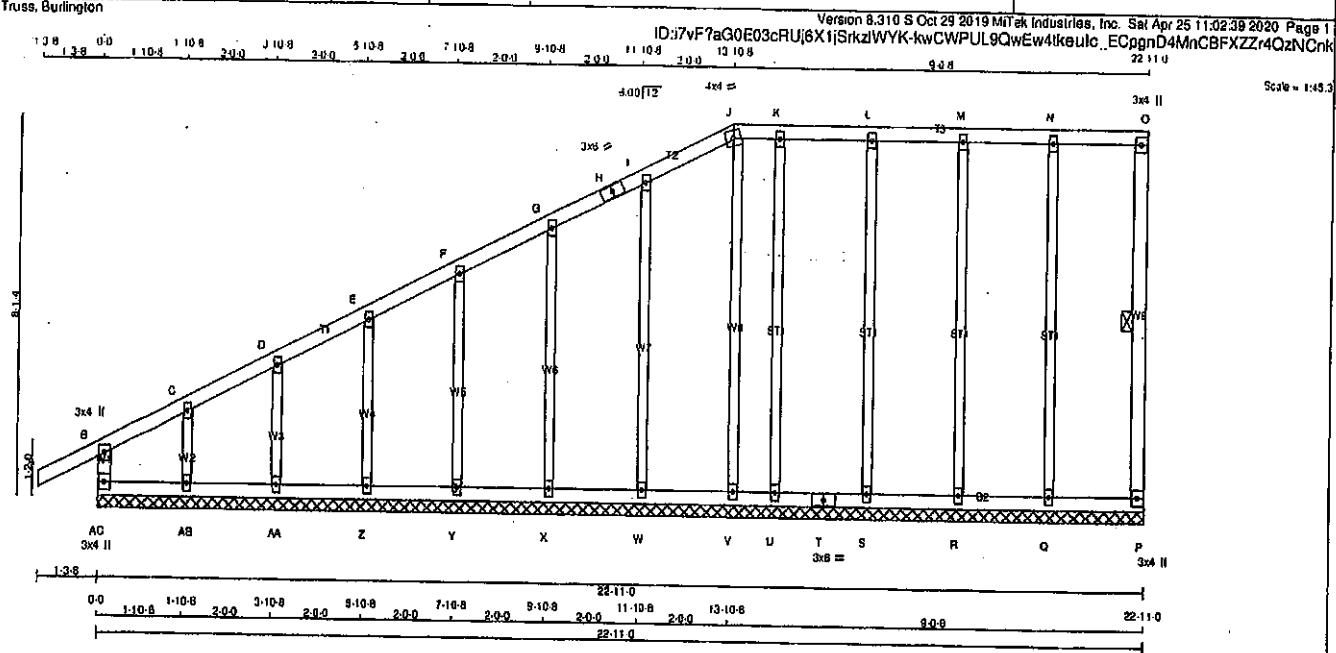
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.88 (B) (INPUT = 0.90)
JSI METAL = 0.70 (A) (INPUT = 1.00)



Structural component only
DWG# T-2007122

JOB NAME 408150	TRUSS NAME G60	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			



LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
AC - B	2x4	DRY No.2	SPF
A - H	2x4	DRY No.2	SPF
H - J	2x4	DRY No.2	SPF
J - O	2x4	DRY No.2	SPF
P - O	2x4	DRY No.2	SPF
AC - T	2x4	DRY No.2	SPF
T - P	2x4	DRY No.2	SPF
ALL WEBS	2x3	DRY No.2	SPF
ALL GABLE WEBS	2x3	DRY No.2	SPF
DRY: SEASONED LUMBER.			
GABLE STUDS SPACED AT 2'-0" OC.			

PLATES (table in inches)			
JT TYPE	PLATES	W	LEN Y X
B TMV+p	MT20	3.0	4.0
C D, E, F, G, I, K, L, M, N	MT20	2.0	4.0
H TS-t	MT20	3.0	6.0
J TTW-m	MT20	4.0	4.0
O TMV+p	MT20	3.0	4.0
P BMV+p	MT20	3.0	4.0
Q, R, S, U, V, W, X, Y, Z, AA, AB	MT20	2.0	4.0
T BS-t	MT20	3.0	6.0
AC BMV+p	MT20	3.0	4.0

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF O.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)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
AC-B	-224 / 0	0.0 0.0	0.02 (1)	Q-N	-195 / 0	0.25 (1)	
A-B	0 / 28	-91.8 -91.8	0.12 (1)	R-M	-183 / 0	0.23 (1)	
B-C	-26 / 0	-91.8 -91.8	0.04 (1)	S-L	-188 / 0	0.24 (1)	
C-D	-19 / 0	-91.8 -91.8	0.04 (1)	U-K	-138 / 0	0.17 (1)	
D-E	-15 / 0	-91.8 -91.8	0.04 (1)	V-J	-131 / 0	0.17 (1)	
E-F	-11 / 0	-91.8 -91.8	0.04 (1)	W-I	-185 / 0	0.17 (1)	
F-G	-8 / 0	-91.8 -91.8	0.04 (1)	X-G	-183 / 0	0.11 (1)	
G-H	-8 / 0	-91.8 -91.8	0.04 (1)	Y-F	-182 / 0	0.07 (1)	
H-I	-8 / 0	-91.8 -91.8	0.04 (1)	Z-E	-182 / 0	0.05 (1)	
I-J	-8 / 0	-91.8 -91.8	0.04 (1)	AA-D	-183 / 0	0.03 (1)	
J-K	-2 / 0	-91.8 -91.8	0.03 (1)	AB-C	-178 / 0	0.03 (1)	
K-L	-2 / 0	-91.8 -91.8	0.04 (1)				
L-M	-2 / 0	-91.8 -91.8	0.04 (1)				
M-N	-2 / 0	-91.8 -91.8	0.04 (1)				
N-O	-2 / 0	-91.8 -91.8	0.04 (1)				
P-O	-81 / 0	0.0 0.0	0.01 (1)				
AC-AB	0 / 24	-18.5 -18.5	0.02 (4)				
AB-AA	0 / 17	-18.5 -18.5	0.02 (4)				
AA-Z	0 / 13	-18.5 -18.5	0.02 (4)				
Z-Y	0 / 10	-18.5 -18.5	0.02 (4)				
Y-X	0 / 7	-18.5 -18.5	0.01 (4)				
X-W	0 / 5	-18.5 -18.5	0.01 (4)				
W-V	0 / 4	-18.5 -18.5	0.02 (4)				
V-U	0 / 2	-18.5 -18.5	0.01 (4)				
U-T	0 / 2	-18.5 -18.5	0.02 (4)				
T-S	0 / 2	-18.5 -18.5	0.02 (4)				
S-R	0 / 2	-18.5 -18.5	0.02 (4)				
R-Q	0 / 2	-18.5 -18.5	0.02 (4)				
Q-P	0 / 2	-18.5 -18.5	0.02 (4)				

TOTAL WEIGHT = 4 X 116 = 464 lb (M)

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 8.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2010, CBC 2012, ABC 2019
- PART 9 OF CBC 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 9.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.12/1.00 (A-B:1), BC=0.02/1.00 (C-R:4), WB=0.25/1.00 (N-Q:1), 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

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	1897 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

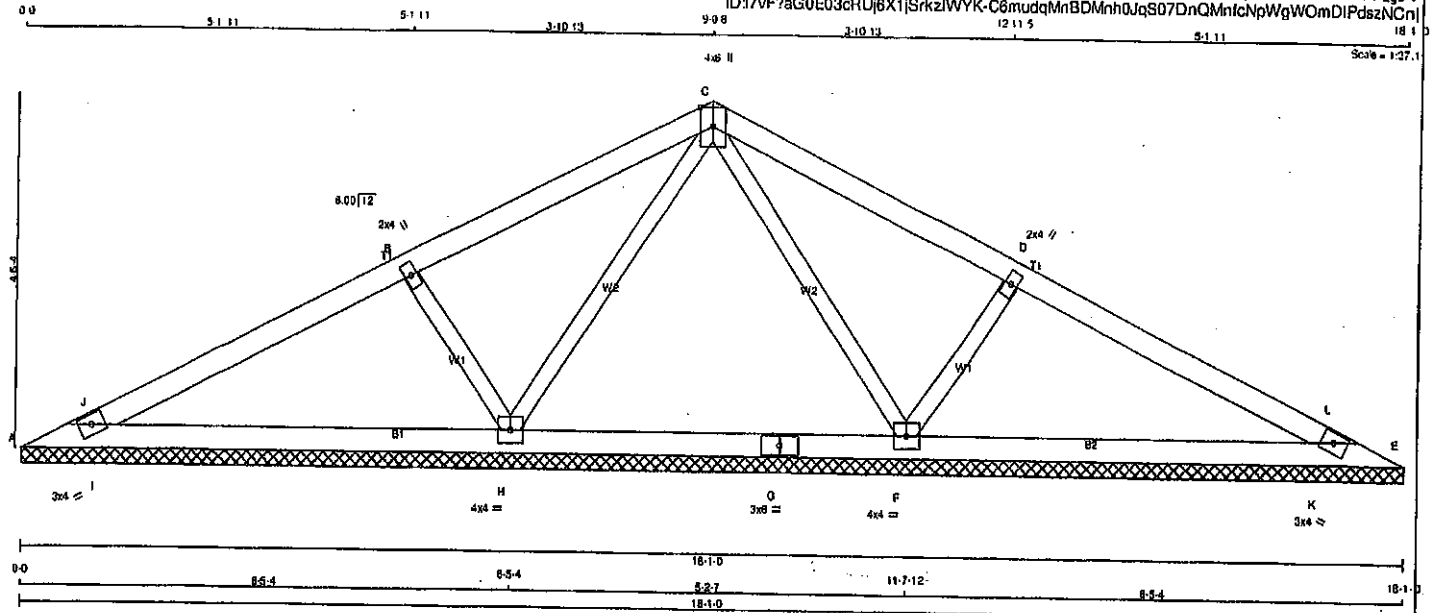
JSI GRIP= 0.80 (J) (INPUT = 0.80)
JSI METAL= 0.08 (I) (INPUT = 1.00)



Structural component only
DWG# T-2007057

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408150	GP1	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:17vF7aG0E03cRUj6X1SRkzIWK-C6mudqMnBDMnh0JqS07DnQMfcNpWgWOMDIPdszNCn



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

PLATES (table in (n) inches)				
JT	TYPE	PLATES	W	LEN Y X
A	TBM1-h	MT20	3.0	4.0
B	TMW+w	MT20	2.0	4.0
C	TTWW+p	MT20	4.0	8.0
D	TMW+w	MT20	2.0	4.0
E	TBM1-h	MT20	3.0	4.0
F	BMWW1-l	MT20	4.0	4.0
G	BS-l	MT20	3.0	6.0
H	BMWW1-l	MT20	4.0	4.0

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

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

BEARINGS		FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
A	134	0	134	0	0
E	134	0	134	0	0
F	883	0	883	0	0
H	883	0	883	0	0

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
A	94	88/0	0/0	0/0	0/0	28/0	0/0
E	94	88/0	0/0	0/0	0/0	28/0	0/0
F	611	385/0	0/0	0/0	0/0	218/0	0/0
H	611	385/0	0/0	0/0	0/0	218/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD	LCI MAX (PLF)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FROM	TO	FR-TO	
A-J	0/240	-91.8	-91.8 0.12 (1)	C-F	-428/0
J-B	0/301	-91.8	-91.8 0.34 (1)	F-D	-438/0
B-C	0/603	-91.8	-91.8 0.37 (1)	H-C	-428/0
C-D	0/503	-91.8	-91.8 0.37 (1)	B-H	-438/0
D-L	0/301	-91.8	-91.8 0.34 (1)	I-J	-78/35
L-E	0/240	-91.8	-91.8 0.12 (1)	K-L	-78/35
A-I	-255/0	-18.5	-18.5 0.11 (1)		
I-H	-243/0	-18.5	-18.5 0.13 (4)		
H-G	-246/0	-18.5	-18.5 0.13 (4)		
G-F	-246/0	-18.5	-18.5 0.13 (4)		
F-K	-243/0	-18.5	-18.5 0.13 (4)		
K-E	-255/0	-18.5	-18.5 0.11 (1)		

TOTAL WEIGHT = 2 X 54 = 107 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/G

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

OSL: TC=0.37/1.00 (C-D:1), BC=0.13/1.00 (F-K:4), WB=0.18/1.00 (C-H:1), SSI=0.17/1.00 (D-L:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1668

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

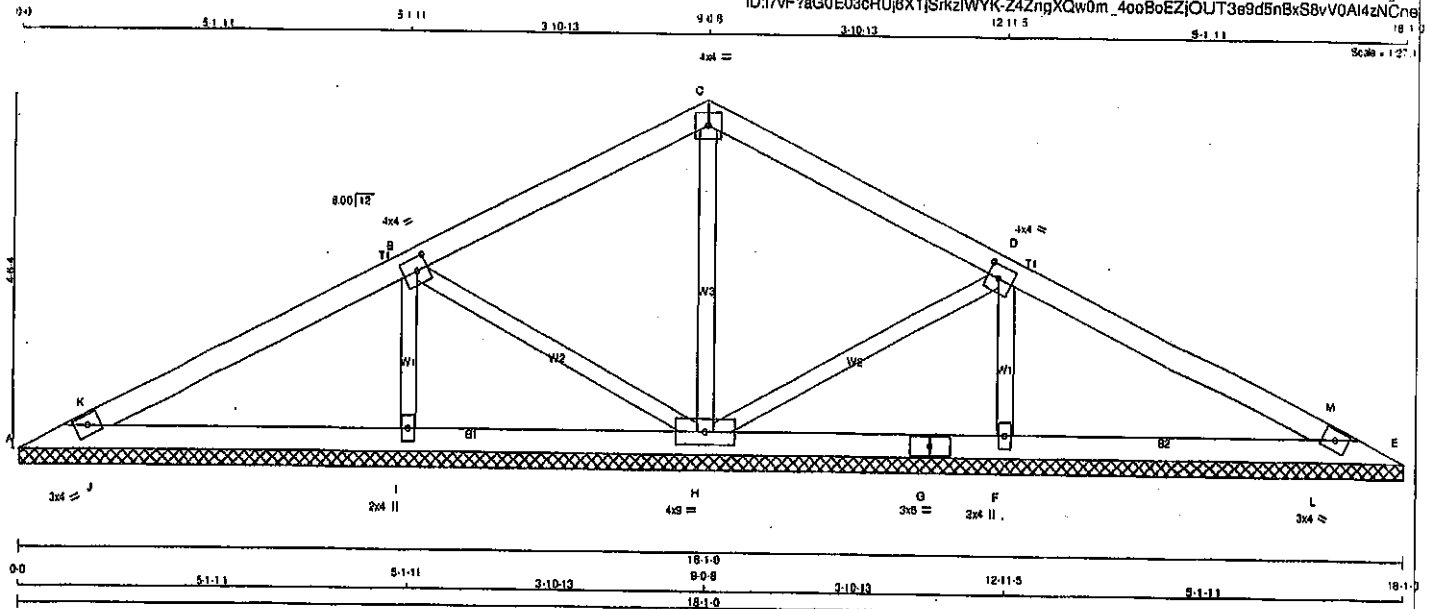
JSI GRIP= 0.48 (H) (INPUT = 0.80)
JSI METAL= 0.15 (C) (INPUT = 1.00)



Structural component only
DWG# T-2007058

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408150	P1	17	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
A - G	2x4	DRY	No.2
G - E	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	TBM1-h	MT20	3.0	4.0	
B	TW1-w	MT20	4.0	4.0	2.00 1.75
C	TTW-p	MT20	4.0	4.0	
D	TW1-w	MT20	4.0	4.0	2.00 1.75
E	TBM1-h	MT20	3.0	4.0	
F	BMW1-w	MT20	2.0	4.0	
G	BS-1	MT20	3.0	6.0	
H	BMW1-w	MT20	4.0	9.0	
I	BMW1-w	MT20	2.0	4.0	

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

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	GROSS REACTION	JT	GROSS REACTION	BRG	BRG	BRG	BRG
	VERT		DOWN	IN-SX	IN-SX		
A	124	0	124	0	0	18-1-0 (11-11) 18-1-0	
E	124	0	124	0	0	18-1-0 (11-11) 18-1-0	
H	415	0	415	0	0	18-1-0 (11-11) 18-1-0	
F	688	0	688	0	0	18-1-0 (11-11) 18-1-0	
I	688	0	688	0	0	18-1-0 (11-11) 18-1-0	

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
A	87	59/0	0/0	0/0	28/0	0/0
E	87	59/0	0/0	0/0	28/0	0/0
H	283	192/0	0/0	0/0	101/0	0/0
F	471	307/0	0/0	0/0	184/0	0/0
I	471	307/0	0/0	0/0	184/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-K	0/248	-91.8 -91.8 0.07 (1)	10.00	H-C	-445/0	0.13 (1)	
K-B	0/292	-91.8 -91.8 0.32 (1)	10.00	H-D	0/59	0.01 (1)	
B-C	0/188	-91.8 -91.8 0.30 (1)	10.00	F-D	-528/0	0.08 (1)	
C-D	0/188	-91.8 -91.8 0.30 (1)	10.00	S-H	0/59	0.01 (1)	
D-M	0/292	-91.8 -91.8 0.32 (1)	10.00	I-B	-528/0	0.08 (1)	
M-E	0/248	-91.8 -91.8 0.07 (1)	10.00	J-K	-128/6	0.00 (1)	
				L-M	-128/6	0.00 (1)	
A-J	-258/0	-18.5 -18.5 0.14 (1)	6.25				
J-I	-240/0	-18.5 -18.5 0.14 (1)	6.25				
I-H	-240/0	-18.5 -18.5 0.11 (1)	6.25				
H-G	-240/0	-18.5 -18.5 0.11 (1)	6.25				
G-F	-240/0	-18.5 -18.5 0.11 (1)	6.25				
F-L	-240/0	-18.5 -18.5 0.14 (1)	6.25				
L-E	-258/0	-18.5 -18.5 0.14 (1)	6.25				

TOTAL WEIGHT = 17 X 55 = 943 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. 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 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

CSI: TG=0.32/1.00 (D-M:1), BC=0.14/1.00 (F-L:1).
WB=0.13/1.00 (C-H:1), SS=0.17/1.00 (D-M:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 518 354 1667 788 1997 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.51 (B) (INPUT = 0.90)
JSI METAL= 0.13 (C) (INPUT = 1.00)

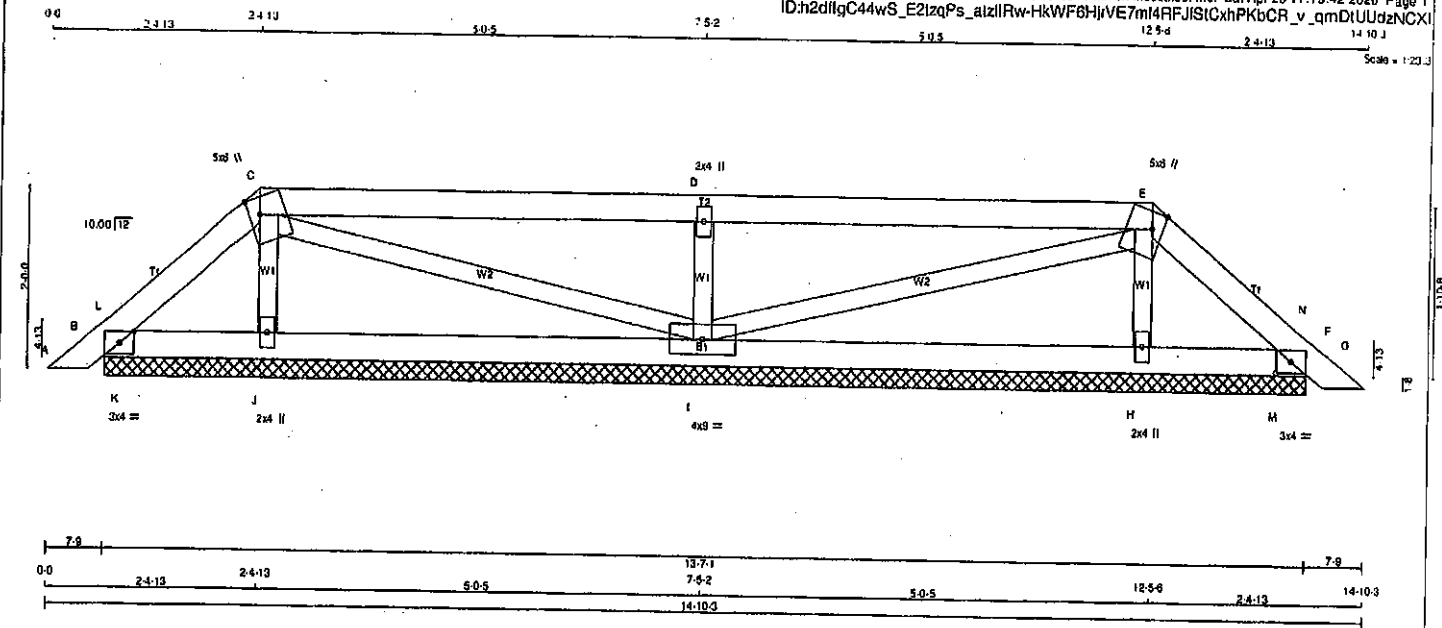


Structural component only
DWG# T-2007062

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408151	PB20	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:h2dlfgC44wS_E2l2qPs_alzllRw-HkWF6HjVE7m4RfJStCxbPKbCR_v_qmDtUUDzNCXl
12.5-d 14-10.1
Scale = 1/20.1



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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y
B	TM81-I	MT20	3.0	4.0	1.60
C	TTWW+m	MT20	5.0	6.0	2.25
D	TMW+m	MT20	2.0	4.0	
E	TTWW+m	MT20	5.0	6.0	2.25
F	TM81-I	MT20	3.0	4.0	1.60
G	BMW1-w	MT20	2.0	4.0	
H	BMW1-w	MT20	2.0	4.0	
I	BMW1-w	MT20	2.0	4.0	
J	BMW1-w	MT20	2.0	4.0	

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

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
B	169	0	169	0	0	13-7-1	13-7-1
F	169	0	169	0	0	13-7-1	13-7-1
J	288	0	288	0	0	13-7-1	13-7-1
H	288	0	288	0	0	13-7-1	13-7-1

UNFACTORED REACTIONS

JT	1ST LOASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
B	118	93/0	0/0	0/0	0/0	23/0	0/0	0/0
F	118	93/0	0/0	0/0	0/0	23/0	0/0	0/0
J	207	118/0	0/0	0/0	0/0	89/0	0/0	0/0
H	481	327/0	0/0	0/0	0/0	154/0	0/0	0/0
I	207	118/0	0/0	0/0	0/0	89/0	0/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MAX. FACTORED		FACTORED		MAX. FACTORED			
MEMB.	FORCE	VERT. LOAD	CS1 (LC)	MEMB.	FORCE	MAX	
	(LBS)	(PLF)	(LC)		(LBS)	CS1 (LC)	
FR-TO		FROM	TO	FR-TO			
A-B	0/14	-91.8	-91.8 0.02 (1)	10.00	J-C	-194/0 0.03 (1)	
B-L	-31/4	-91.8	-91.8 0.01 (1)	6.25	C-I	-22/0 0.01 (1)	
L-C	-60/0	-91.8	-91.8 0.03 (1)	8.25	I-D	-578/0 0.08 (1)	
C-D	-8/0	-91.8	-91.8 0.39 (1)	10.00	D-E	-22/0 0.01 (1)	
D-E	-8/0	-91.8	-91.8 0.39 (1)	10.00	E-H	-184/0 0.03 (1)	
E-N	-60/0	-91.8	-91.8 0.03 (1)	6.25	H-K	-121/0 0.00 (1)	
N-F	-31/4	-91.8	-91.8 0.01 (1)	6.25	M-N	-121/0 0.00 (1)	
F-G	0/14	-91.8	-91.8 0.02 (1)	10.00			
B-K	0/42	-18.5	-18.5 0.04 (1)	10.00			
K-J	0/42	-18.5	-18.5 0.07 (4)	10.00			
J-I	0/29	-18.5	-18.5 0.10 (4)	10.00			
I-H	0/29	-18.5	-18.5 0.10 (4)	10.00			
H-M	0/42	-18.5	-18.5 0.07 (4)	10.00			
M-F	0/42	-18.5	-18.5 0.04 (1)	10.00			

TOTAL WEIGHT = 2 X 45 = 90 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 6.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBC 2010, NBC 2012, ABC 2019
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- 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

CSI: TC=0.39/1.00 (C-D:1), SC=0.10/1.00 (I-J:4), WB=0.08/1.00 (D-I:1), SSI=0.22/1.00 (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 (PSI)	SECTION (PLI)
MT20	618	354	1867
	788	1867	1868

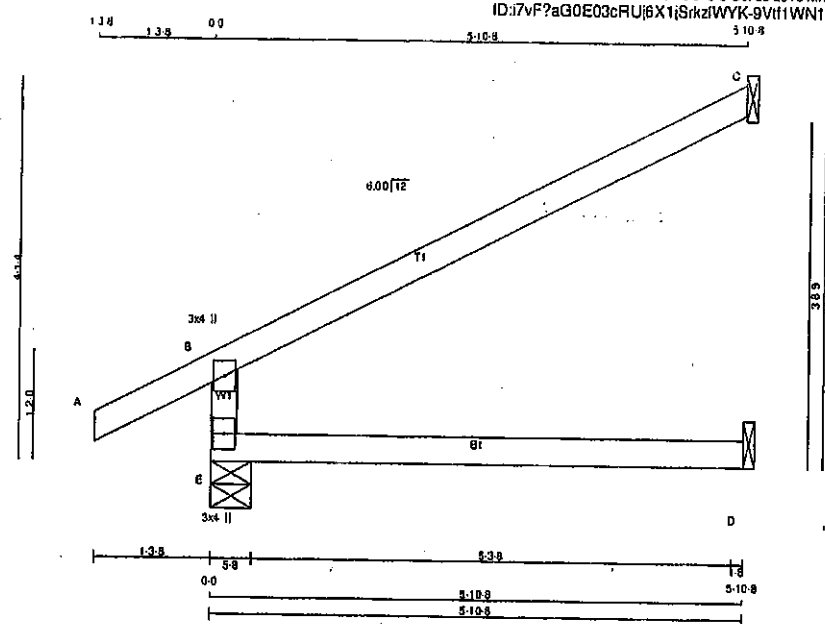
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.30 (D) (INPUT = 0.90)
JSI METAL = 0.12 (D) (INPUT = 1.00)



Structural component only
DWG# T-2007080



TOTAL WEIGHT = 21 X 17 = 353 lb

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	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	REQD
GROSS REACTION	GROSS REACTION	BRG	BRG
JT VERT	HORZ	DOWN	HORZ
E	525	0	5-8
C	202	0	1-8
D	45	0	1-8

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	369	257 / 0	0 / 0	0 / 0	0 / 0	111 / 0	0 / 0
C	139	113 / 0	0 / 0	0 / 0	0 / 0	28 / 0	0 / 0
D	38	0 / 0	0 / 0	0 / 0	0 / 0	38 / 0	0 / 0

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

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

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

LOADING
 TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	MAX. UNBRAC LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRAC LENGTH FR-TO
E-B	-481 / 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	-30 / 0	-91.8	-91.8	0.54 (1)	6.25		
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. OC

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

THIS DESIGN COMPLIES WITH:
 - PART 9 OF BCBC 2019, CBC 2012, ABC 2019
 - PART 9 OF OBC 2012 (2019 AMENDMENT)
 - CSA 086-09, CSA 086-14
 - TPC 2011, TPC 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=0.84/1.00 (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 (PL)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1687 788

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)

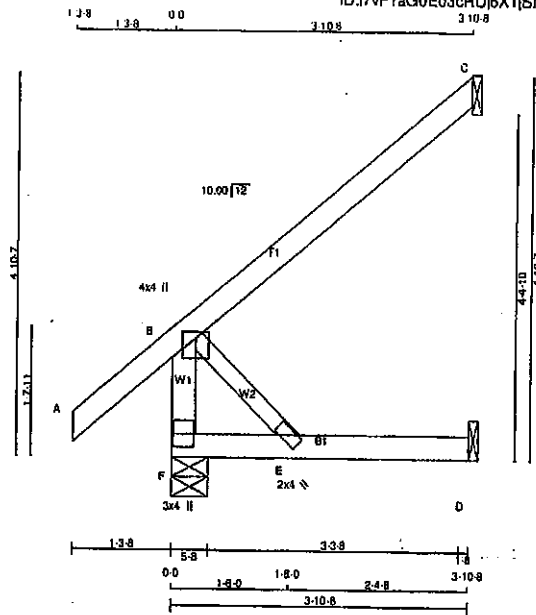


Structural component only
 DWG# T-2007059

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408150	J2	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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Scale = 1:27.0



LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
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 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	2.0	4.0		
F BMV+p	MT20	3.0	4.0		

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

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
GROSS REACTION		GROSS REACTION		BRG		BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
F	341	0	341	0	0	5-8	5-8
C	178	0	178	0	0	1-8	1-8
D	38	0	40	0	0	1-8	1-8

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

UNFACTORED REACTIONS		MAX/MIN COMPONENT REACTIONS	
1ST LCASE		SNOW	LIVE
JT	COMBINED		
F	239	170/0	0/0
C	122	89/0	0/0
D	29	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 = 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		FACTORED		WEBS	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)
FR-TO		FROM	TO	FR-TO	
F-B	-305/0	0.0	0.0 0.03 (1)	B-E	0/0
A-B	0/41	-91.8	-91.8 0.14 (5)		
B-C	0/0	-91.8	-91.8 0.23 (1)		
F-E	0/0	-18.5	-18.5 0.08 (4)		
E-D	0/0	-18.5	-18.5 0.08 (4)		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 15 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
OL = 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, NBCC 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 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 26.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.18")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.18")
CALCULATED VERT. DEFL.(TL) = L/999 (0.01")

CSI: TC=0.23/1.00 (B-C:1), BC=0.08/1.00 (D-E: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) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1937 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 6.0 Deg.

JSI GRIP = 0.24 (B) (INPUT = 0.90)
JSI METAL = 0.08 (B) (INPUT = 1.00)



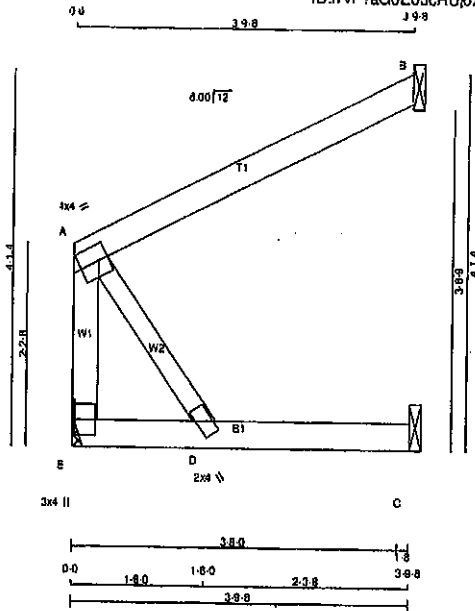
Structural component only
DWG# T-2007080

Structural component only
DWG# T-2007061

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408152	J40	4	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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Scale = 1:23.2



LUMBER

N. L. G. A. RULES

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

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-1	MT20	4.0	4.0	2.00	1.25
D	BMW-w	MT20	2.0	4.0		
E	BMV1-p	MT20	3.0	4.0		

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

BEARINGS

JT	VERT	HORZ	DOWN	HORZ	UPLIFT	BRG	REQD
E	209	0	209	0	0	IN-SX	IN-SX
B	174	0	174	0	0	MECHANICAL	
C	35	0	35	0	0	1-8	1-8

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

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	148	97/0	0/0	0/0	0/0	0/0	51/0	0/0
B	120	97/0	0/0	0/0	0/0	0/0	23/0	0/0
C	28	0/0	0/0	0/0	0/0	0/0	28/0	0/0

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (PLF)	LC1 MAX. CSI (LC)
FR-TO				FR-TO			
E-A	-174/0	0.0	0.02 (1)	A-D	0/0	0.00 (1)	
A-B	0/0	-91.8	-91.8 0.22 (1)				
E-D	0/0	-18.5	-18.5 0.07 (4)				
D-C	0/0	-18.5	-18.5 0.08 (4)				

TOTAL WEIGHT = 4 X 13 = 52 lb (M/F)

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/R

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 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 (0.01")

CSI: TC=0.22/1.00 (A-B:1), BC=0.08/1.00 (C-D:4), WB=0.00/1.00 (A-D:1), SSI=0.12/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.11 (A) (INPUT = 0.90)
JSI METAL = 0.03 (A) (INPUT = 1.00)

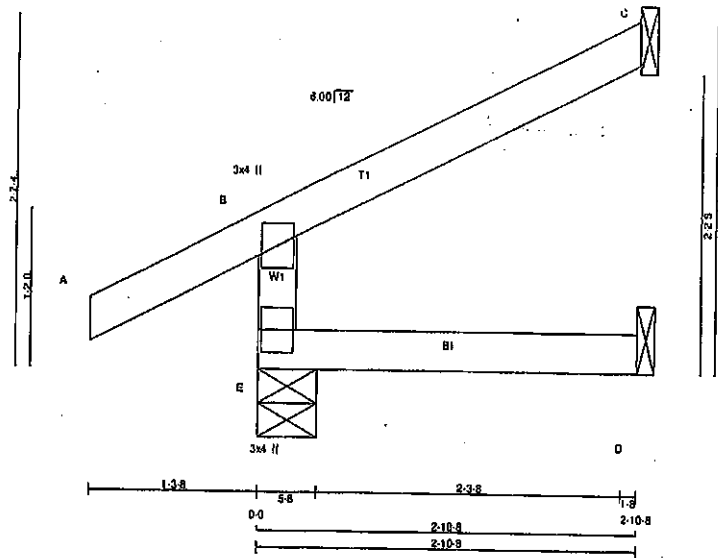


Structural component only
DWG# T-2007105

JOB NAME 408152	TRUSS NAME J41	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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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.

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

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
JT	VERT	HORZ	DOWN	HORZ	UP/LIFT	IN-SX	IN-SX	IN-SX	IN-SX
E	319	0	319	0	0	5-8	5-8		
C	99	0	99	0	0	1-8	1-8		
D	23	0	23	0	0	1-8	1-8		

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

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
E	223	181/0	0/0	0/0	0/0	82/0	0/0
C	68	55/0	0/0	0/0	0/0	13/0	0/0
D	18	0/0	0/0	0/0	0/0	18/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS		FACTORED		WEBS	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)
FR-TO		FROM	TO	FR-TO	
E-B	-289/0	0.0	0.02 (4)	7.81	
A-B	0/28	-91.8	-91.8 0.13 (5)	10.00	
B-C	-15/0	-91.8	-91.8 0.13 (1)	8.25	
E-D	0/0	-18.5	-18.5 0.03 (4)	10.00	

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 4 X 10 = 38 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

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 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) = $L/360$ (0.18")
CALCULATED VERT. DEFL.(LL) = $L/899$ (0.00")
ALLOWABLE DEFL.(TL) = $L/360$ (0.18")
CALCULATED VERT. DEFL.(TL) = $L/899$ (0.00")

CSI: TO=0.13/1.00 (B-C:1), BC=0.03/1.00 (D-E:4), WB=0.00/1.00 (n/a:0), 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)	(PLI)
MAX	MIN	MAX	MIN
MT20	618	354	1887 788 1987 1888

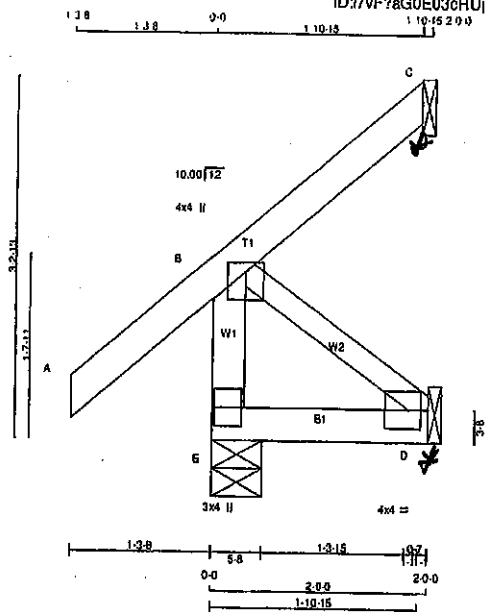
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP=0.12 (E) (INPUT = 0.90)
JSI METAL=0.08 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007106



PLATES (tablets in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	4.0	1.00 2.00
D	BMVW-t	MT20	4.0	4.0	2.00 1.25
E	BMV1+p	MT20	3.0	4.0	

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT	REQRD
GROSS REACTION		GROSS REACTION				BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
E	278	0	278	0	0	5-8	5-8
C	42	0	42	0	-38	1-8	1-8
D	18	0	20	0	0	1-8	1-8

PROVIDE ANCHORAGE AT BEARING JOINT G FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS		MAX./MIN. COMPONENT REACTIONS					
JT	1ST LCASE COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	194	145/0	0/0	0/0	0/0	48/0	0/0
C	29	23/-26	0/0	0/0	0/0	5/0	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) 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: (6)

CHORDS				WEBBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
FR-TO		FROM TO			B-D		
E-B	-281 / 0	0.0	0.0	0.03 (1)	7.81		
A-B	0 / 41	-91.8	-91.8	0.13 (1)	10.00	0 / 0	0.00 (1)
B-C	-29 / 0	-91.8	-91.8	0.12 (1)	6.25		
E-D	0 / 0	-18.5	-18.5	0.02 (4)	10.00		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

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,
NBCG 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018 , OBC 2012 , ABC 2019
- PART 9 OF OBC 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 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.007")

CSI: TC=0.13/1.00 (A-B:1) , BC=0.02/1.00 (D-E:4) ,
WS=0.00/1.00 (B-D:1) , SSI=0.03/1.00 (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.

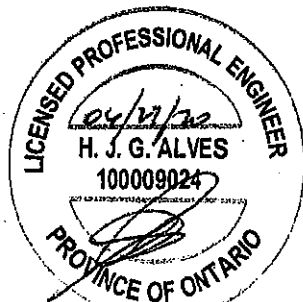
NAIL VALUES

PLATE	GRIP (DRY)		SHEAR		SECTION	
	(PSI)		(PLI)		(PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	818	354	1687	788	1987	1858

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

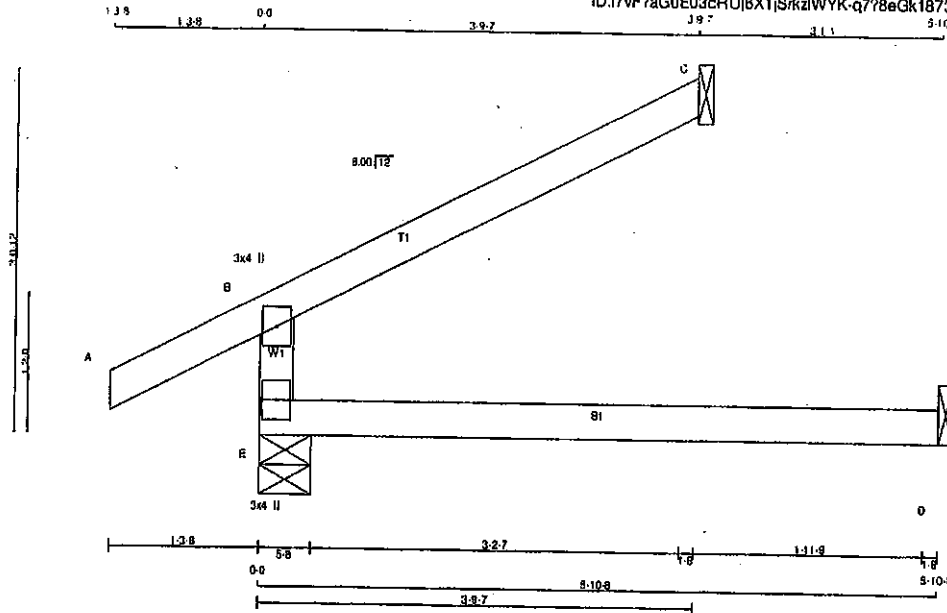
JSI GRIP= 0.20 (B) (INPUT = 0.90)
JSI METAL= 0.05 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007056

JOB NAME 408152	TRUSS NAME C40	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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Scale = 1:12.5

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.

PLATES (table 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	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	BRG	IN-SX	BRG
E	405	0	405	0	0	5-8	5-8	5-8	5-8
C	130	0	130	0	0	1-8	1-8	1-8	1-8
D	45	0	50	0	0	1-8	1-8	1-8	1-8

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

UNFACTORED REACTIONS		1ST CASE		MAX/MIN. COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND
E	288	190 / 0	0 / 0	0 / 0	98 / 0
C	90	73 / 0	0 / 0	0 / 0	17 / 0
D	38	0 / 0	0 / 0	0 / 0	38 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD LC1 (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		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)	6.25	
E-D	0 / 0	-18.5	-18.5 0.13 (4)	10.00	

TOTAL WEIGHT = 4 X 14 = 57 lb (M)

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/G

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 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: TO=0.22/1.00 (B-C:1), BC=0.13/1.00 (D-E:4), WB=0.00/1.00 (A:0), SSI=0.15/1.00 (B-C:1)

DCL 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.

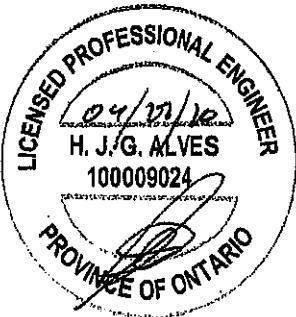
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

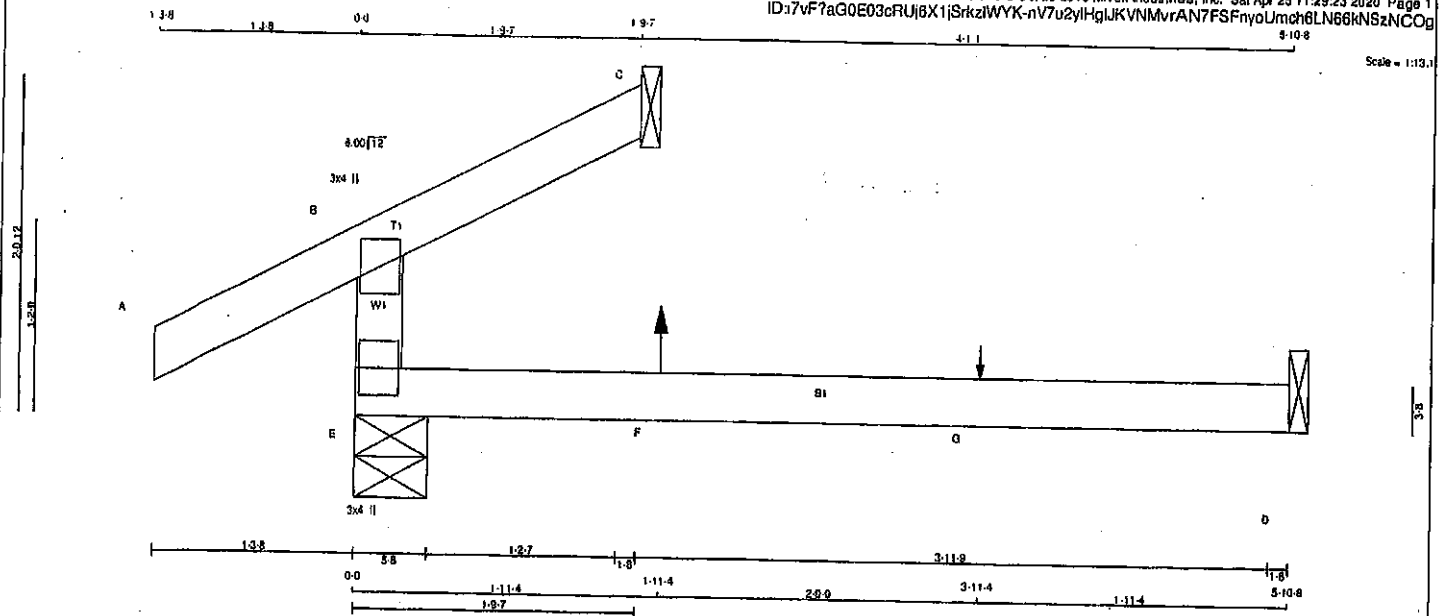
JSI GRIP = 0.14 (E) (INPUT = 0.90)
JSI METAL = 0.09 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007098

JOB NAME 408152	TRUSS NAME C41	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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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.

PLATES (tablets 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		

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	RECORD BRG
	VERT	HORZ	DOWN	HORZ		
E	284	0	284	0	5-8	5-8
C	63	0	63	0	1-8	1-8
D	44	0	52	0	1-8	1-8

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

UNFACTORED REACTIONS

JT	1ST LOSE COMBINED	MAX/MIN COMPONENT REACTIONS					
		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	200	137/0	0/0	0/0	62/0	0/0	0/0
C	46	21/0	0/0	0/0	25/0	0/0	0/0
D	35	0/-3	0/0	0/0	37/0	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)

MEMB.	FR-TO	CHORDS		WEBS	
		MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
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)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
F	1-11.4	7	1	12	BACK	VERT	TOTAL	--	C1
G	3-11.4	1	1	--	BACK	VERT	TOTAL	--	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 4 X 12 = 48 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

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

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(85 % 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 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.20")
CALCULATED VERT. DEFL. (TL) = L/999 (0.04")

CSI: TC=0.12/1.00 (A-B:1), SC=0.14/1.00 (D-E:4),
WB=0.00/1.00 (n/a:0), SS=0.09/1.00 (A-B: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.

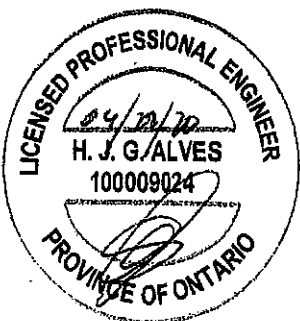
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.10 (E) (INPUT = 0.90)
JSI METAL = 0.05 (B) (INPUT = 1.00)



Structural component only.
DWG# T-2007099



TOTAL WEIGHT = 4 X 10 = 38 lb

DRY: SEASONED LUMBER.

DESCR.	SPF
	SPF
	SPF

COILS AND BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ	UPLIFT IN-SX	IN-SX
E	381	0	381	0	0	5-8
C	130	0	130	0	0	1-8
D	18	0	17	0	0	1-8

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

UNFACTORED REACTIONS

1ST CASE		MAX/MIN COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	250	190/0	0/0	0/0	0/0	80/0	0/0
C	90	73/0	0/0	0/0	0/0	17/0	0/0
D	12	0/0	0/0	0/0	0/0	12/0	0/0

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

BRACING

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

C H O R D S				W E B S			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM	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)	6.23		
E-D	0 / 0	-18.5	-18.5	0.02 (4)	10.00		

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,
NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012, ABC 2018
- 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.

(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=0.22/1.00 (B-C:1), BC=0.02/1.00 (D-E:4),
WB=0.00/1.00 (n/a:0), SSI=0.16/1.00 (B-C:1)

COL 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) (PSI)		SHEAR (PLI)		SECTION (PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1067	788	1987	1658

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

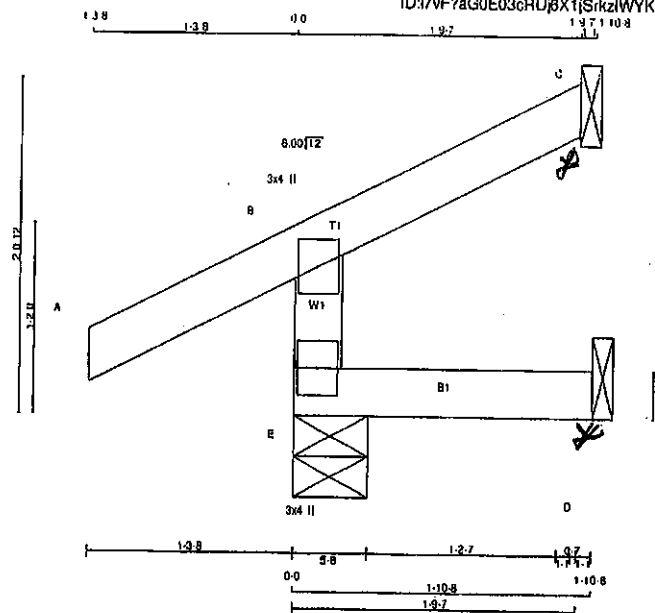
JSI GRIP= 0.14 (E) (INPUT = 0.90)
JSI METAL= 0.09 (B) (INPUT = 1.00)



JOB NAME 408152	TRUSS NAME C43	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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Scale = 1/12.1



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

DRY: SEASONED LUMBER.

PLATES (table 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 GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX		REQD BRG IN-SX	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	BRG	IN-SX	BRG	IN-SX
E	271	0	271	0	0	5-8	5-8	5-8	5-8
C	45	0	45	0	-23	1-8	1-8	1-8	1-8
D	8	0	17	0	-2	1-8	1-8	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H 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		1ST LCASE		MAX/MIN. COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND
E	188	141/0	0/0	0/0	0/0
C	31	24/-18	0/0	0/0	0/0
D	7	0/-8	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 = 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		FACTORED		WEBS	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. FACTORED (LBS)	MEMB.	FORCE (LBS)
FR-TO				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 = 4 X 7 = 28 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. 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 CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 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 (0.19")
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=0.04/1.00 (D-E:5),
WB=0.02/1.00 (A-B:0), SB=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.

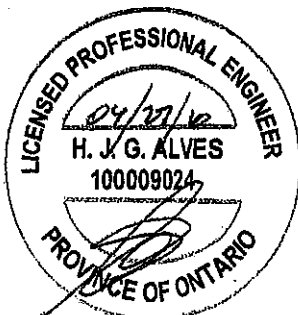
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

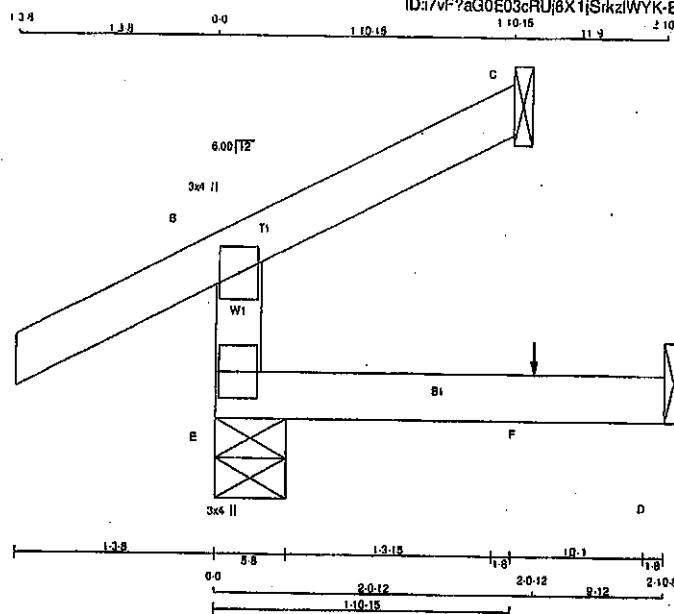
PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2007101

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408152	C44	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)			
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

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		RECORD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
E	264	0	264	0	0	5-8	5-8
C	66	0	66	0	0	1-8	1-8
D	23	0	23	0	0	1-8	1-8

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

UNFACTORED REACTIONS		MAX./MIN. COMPONENT REACTIONS		1ST CASE		2ND CASE		3RD CASE	
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	COMBINED	SNOW
E	185	130/0	0/0	0/0	0/0	65/0	0/0	185	130/0
C	46	37/0	0/0	0/0	0/0	9/0	0/0	46	37/0
D	18	0/0	0/0	0/0	0/0	18/0	0/0	18	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: (5)

CHORDS		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PL)	LC1 MAX (PL)	MAX. UNBRACED LENGTH	MEMB.	FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM	TO		FR-TO		
E-B	-234/0	0.0	0.0	0.02 (4)	7.81		
A-B	0/23	-91.8	-91.8	0.13 (5)	10.00		
B-C	-10/0	-91.8	-91.8	0.08 (1)	10.00		
E-F	0/0	-18.5	-18.5	0.03 (4)	10.00		
F-D	0/0	-18.5	-18.5	0.03 (4)	10.00		

FACTORED CONCENTRATED LOADS (LBS)		FACE		DIR.		TYPE		HEEL		CONN.	
JT	LOC.	LC1	MAX.	MAX+	FRONT	VERT	TOTAL				CI
F	2-0-12	1	1	...							

CONNECTION REQUIREMENTS

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

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 2 X 8 = 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 CBC 2018, CBC 2012, ABC 2018
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- 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 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/360$ (0.19")
CALCULATED VERT. DEFL. (LL) = $L/989$ (0.00")
ALLOWABLE DEFL. (TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL. (TL) = $L/989$ (0.00")

CSI: TC=0.13/1.00 (A-B:5), BC=0.03/1.00 (D-E:4), WB=0.00/1.00 (N/A:0), SS=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

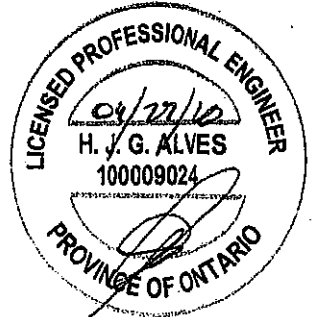
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 788 1987 1858

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.10 (E) (INPUT = 0.90)
JSI METAL = 0.05 (B) (INPUT = 1.00)

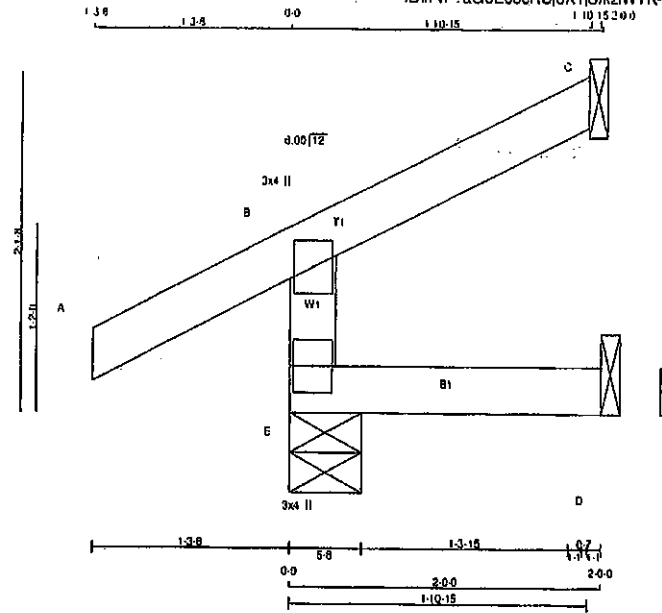


Structural component only
DWG# T-2007102

JOB NAME 408152	TRUSS NAME C45	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1/16"

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

DRY: SEASONED LUMBER.

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	HORZ	BRG	IN-SX	BRG	IN-SX
E	254	0	254	0	0	5-8	5-8	5-8	5-8
C	68	0	68	0	0	1-8	1-8	1-8	1-8
D	16	0	16	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	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND
E	177	130/0	0/0	0/0	0/0
C	48	37/0	0/0	0/0	0/0
D	13	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: (5)

CHORDS		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LCI MAX	MAX. UNBRAC	MEMB. FORCE (LBS)	MAX. UNBRAC	CSI (LC)
FR-TO		FROM	TO	LENGTH	FR-TO		
E-B	-234/0	0.0	0.0	0.01 (4)	7.81		
A-B	0/28	-91.8	-91.8	0.12 (1)	10.00		
B-C	-107/0	-91.8	-91.8	0.08 (1)	10.00		
E-D	0/0	-18.5	-18.5	0.02 (4)	10.00		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 2 X 7 = 14 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, NBCC 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 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 (0.19")
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 (D-E:4), WB=0.00/1.00 (N/A:0), SS=0.08/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (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 = 0.10 (E) (INPUT = 0.90)
JSI METAL = 0.05 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007103