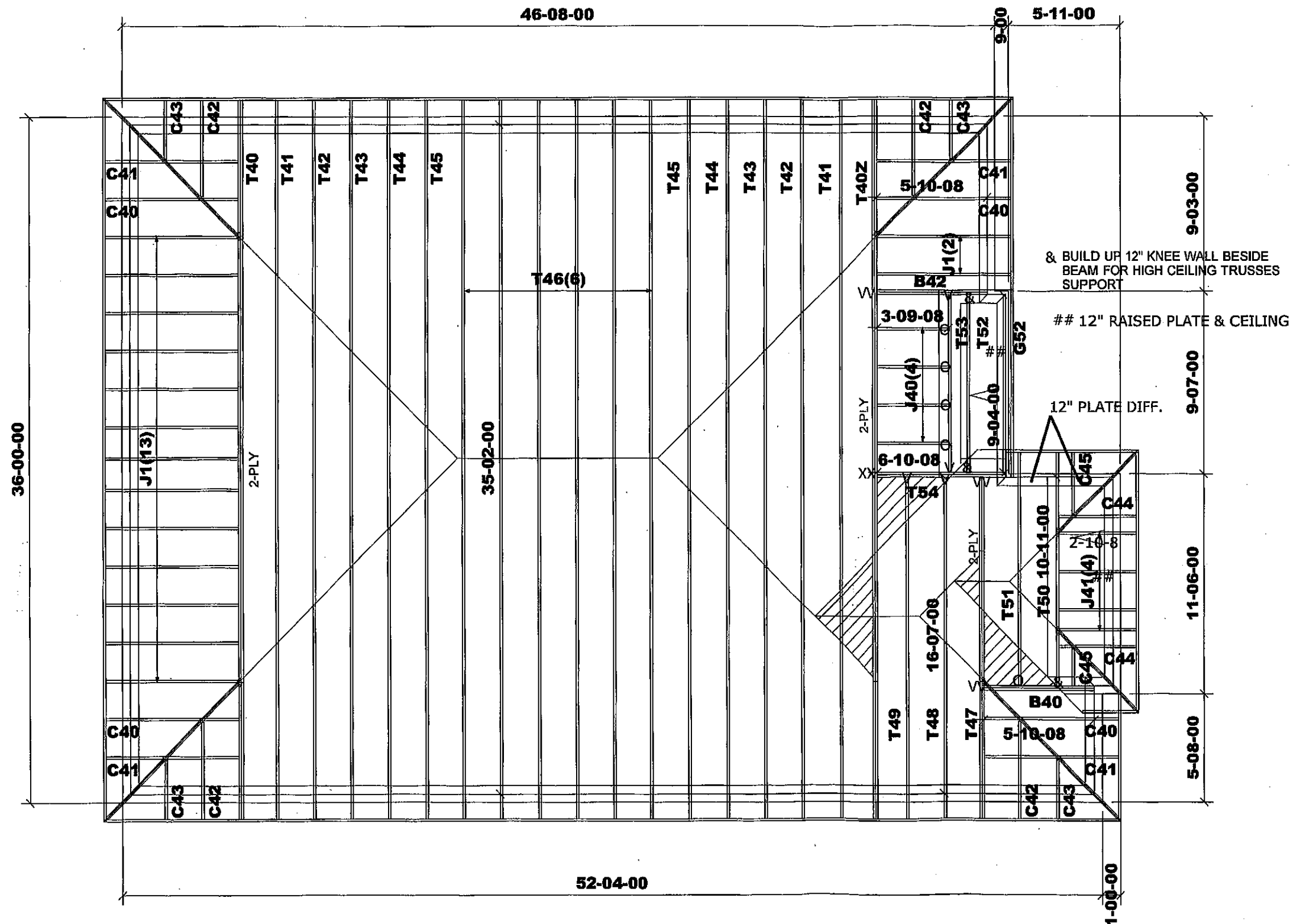


6/12 roof pitch unless noted



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

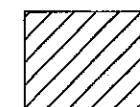
HARDWARE:

LUS24 - (O)
LJS26DS - (V)
HGUS26-2 - (XX)
LUS26-2-(VV)

BEAMS:

B40= B41= B42=
2 - 2x10 SPF #2

CITY OF HAMILTON
Building Division



DENOTES:
CONVENTIONAL
FRAMING

29-107164

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
FOR THE BUILDING OFFICIAL
DATE

M13125



Job Track: 51225
Plan Log: 202401
Layout ID: 408152

Builder / Location:
GREEN PARK HOMES / WATERDOWN

Project: RUSSELL GARDENS PH.3

Date: 2020-04-27 Sales: Mario DiCano

Designer: JG

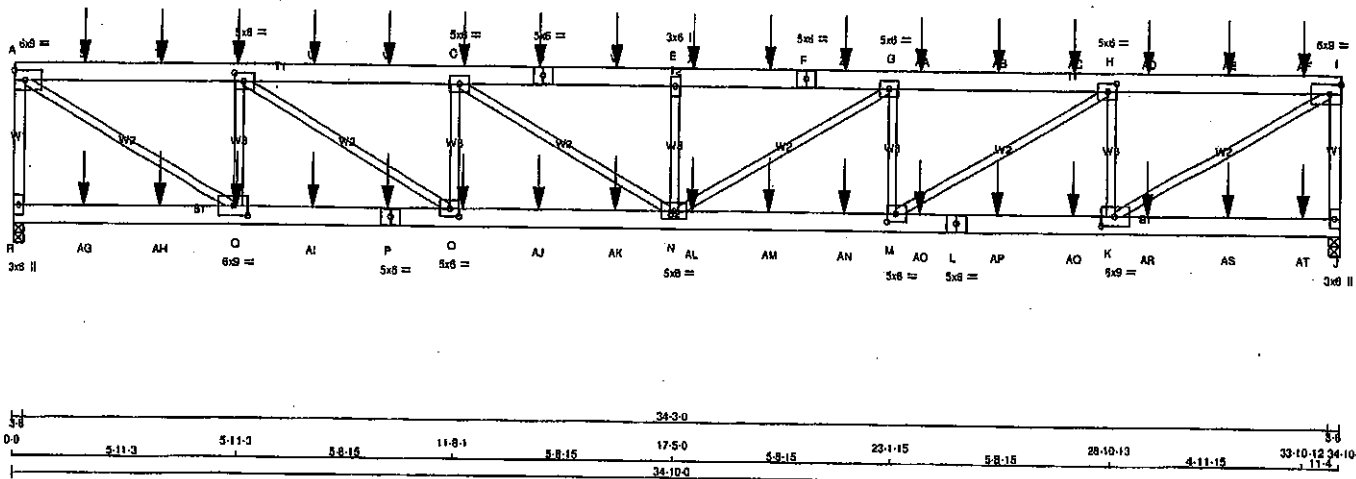
Model / Elevation:

MOUNTAINASH 4/3- std. or opt.

LOT 259

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

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 MITek Industries, Inc. Sat Apr 25 11:02:47 2020 Page 1	
ID: i7vF?aG0E03cRUj6X1jSkzIWYK-VShX5DRAXNEn1SLAM_IsZu8zCRhpIkACNpVGMzNCnc				33'10" 12'34" 10'0"	



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
R - A	2x4 DRY	No.2	SPF
A - D	2x8 DRY	No.2	SPF
D - F	2x8 DRY	No.2	SPF
F - I	2x8 DRY	No.2	SPF
J - L	2x4 DRY	No.2	SPF
R - P	2x8 DRY	No.2	SPF
P - L	2x8 DRY	No.2	SPF
L - J	2x8 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 1	12	TOP
I - J 1	12	TOP
A - D 2	12	SIDE(183.1)
D - F 2	12	SIDE(0.0)
F - I 2	12	SIDE(0.0)
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
R - P 2	12	SIDE(183.1)
P - L 2	12	SIDE(183.1)
L - J 2	12	SIDE(0.0)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3 1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	HORZ	BRG	IN-SX	BRG	IN-SX
R	3052	0	3052	0	0	3-8	3-8		
J	3118	0	3118	0	0	3-8	3-8		

UNFACTORED REACTIONS		1ST LCASE		MAX/MIN. COMPONENT REACTIONS		PERM. LIVE		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL						
R	2181	1401/0	0/0	0/0	0/0	761/0	0/0						
J	2209	1430/0	0/0	0/0	0/0	778/0	0/0						

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.25 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		FACTORED		
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	LONG. LOAD (PLF)	MAX. CS1 (LC)	UNBRAC LENGTH (FR-TO)	MEMB.	FORCE (LBS)	MAX. CS1 (LC)
FR-TO		FROM	TO			FR-TO		
R-A	-2874/0	0.0	0.0	0.34 (1)	6.88	K-I	0/5083	0.83 (1)
A-S	-4328/0	-91.8	-91.8	0.20 (1)	5.32	A-Q	0/5078	0.63 (1)
S-T	-4328/0	-91.8	-91.8	0.20 (1)	5.32	K-H	-2485/0	0.30 (1)
T-B	-4328/0	-91.8	-91.8	0.20 (1)	5.32	Q-B	-2463/0	0.29 (1)
B-U	-6898/0	-91.8	-91.8	0.25 (1)	4.43	M-H	0/2804	0.35 (1)
U-V	-6898/0	-91.8	-91.8	0.25 (1)	4.43	B-O	0/2808	0.35 (1)
V-C	-6898/0	-91.8	-91.8	0.25 (1)	4.43	M-G	-1325/0	0.16 (1)
C-D	-7505/0	-91.8	-91.8	0.23 (1)	4.25	O-C	-1326/0	0.16 (1)
D-W	-7505/0	-91.8	-91.8	0.23 (1)	4.25	N-G	0/958	0.12 (1)
W-E	-7505/0	-91.8	-91.8	0.23 (1)	4.25	C-N	0/958	0.12 (1)
E-X	-7505/0	-91.8	-91.8	0.23 (1)	4.25	N-E	-851/0	0.10 (1)
X-Y	-7505/0	-91.8	-91.8	0.23 (1)	4.25			
Y-F	-7505/0	-91.8	-91.8	0.23 (1)	4.25			
F-Z	-7505/0	-91.8	-91.8	0.23 (1)	4.25			
Z-G	-7505/0	-91.8	-91.8	0.23 (1)	4.25			
G-AA	-6898/0	-91.8	-91.8	0.26 (1)	4.42			
AA-AB	-6898/0	-91.8	-91.8	0.26 (1)	4.42			
AB-AC	-6898/0	-91.8	-91.8	0.26 (1)	4.42			
AC-H	-6898/0	-91.8	-91.8	0.26 (1)	4.42			
H-AD	-4330/0	-91.8	-91.8	0.21 (1)	5.30			
AD-AE	-4330/0	-91.8	-91.8	0.21 (1)	5.30			
AE-AF	-4330/0	-91.8	-91.8	0.21 (1)	5.30			
AF-I	-4330/0	-91.8	-91.8	0.21 (1)	5.30			
J-I	-3028/0	0.0	0.0	0.35 (1)	6.84			

R-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	0/4326	-18.5	-18.5	0.33 (1)	10.00
AI-P	0/4326	-18.5	-18.5	0.33 (1)	10.00
P-O	0/4326	-18.5	-18.5	0.33 (1)	10.00
O-AJ	0/6898	-18.5	-18.5	0.49 (1)	10.00
AJ-AK	0/6898	-18.5	-18.5	0.49 (1)	10.00
AK-N	0/6898	-18.5	-18.5	0.49 (1)	10.00
N-AL	0/6898	-18.5	-18.5	0.49 (1)	10.00
AL-AM	0/6898	-18.5	-18.5	0.49 (1)	10.00
AM-AN	0/6898	-18.5	-18.5	0.49 (1)	10.00
AN-M	0/6898	-18.5	-18.5	0.49 (1)	10.00
M-AO	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

TOTAL WEIGHT = 2 X 176 = 353 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 CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 008-09, CSA 008-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (1.16")
CALCULATED VERT. DEFL.(LL) = L/999 (0.20")
ALLOWABLE DEFL.(TL) = L/360 (1.16")
CALCULATED VERT. DEFL.(TL) = L/999 (0.38")

CS1: TG=0.35/1.00 (I-J:1), BC=0.49/1.00 (M-N:1), WB=0.63/1.00 (K:1), SS=0.17/1.00 (H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.86 (K) (INPUT = 0.90)
JSI METAL=0.42 (P) (INPUT = 1.00)



Structural component only
DWG# T-2007063 1/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408150	T1	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:j7vF7aG0E03eRui6X1SrkzWYK-VShX5DRAXNEn15LAM IsZu8zCRhp/kAQNPVGMyzNCnd

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMWW-1	MT20	6.0	9.0		Edge
B	TMWW-1	MT20	5.0	6.0	2.50	2.75
C	TMWW-1	MT20	5.0	6.0		
D	TS-1	MT20	5.0	6.0		
E	TMWW-1	MT20	3.0	6.0		
F	TS-1	MT20	5.0	6.0		
G	TMWW-1	MT20	5.0	6.0		
H	TMWW-1	MT20	5.0	6.0	2.50	2.75
I	TMWW-1	MT20	6.0	9.0		Edge
J	BMV1+p	MT20	3.0	6.0		
K	BMWW-1	MT20	6.0	9.0	3.00	4.25
L	BS-1	MT20	5.0	6.0		
M	BMWW-1	MT20	5.0	6.0	2.50	2.75
N	BMWW-1	MT20	5.0	6.0		
O	BMWW-1	MT20	5.0	6.0	2.50	2.75
P	BS-1	MT20	5.0	6.0		
Q	BMWW-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 (LC)	MAX. (PLF)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LC)	MAX. (PLF)
FR-TO		FROM	TO	UNBRAC		LENGTH	FR-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	-26	-26	---	FRONT	VERT	TOTAL	---	C1
P	9-10-12	-28	-28	---	FRONT	VERT	TOTAL	---	C1
Q	5-10-12	-26	-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	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AH	3-10-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AI	7-10-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AJ	13-10-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AK	15-10-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AL	17-10-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AM	19-10-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AN	21-10-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AO	23-10-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AP	25-10-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AQ	27-10-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AR	29-10-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AS	31-10-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AT	33-10-12	-27	-27	---	FRONT	VERT	TOTAL	---	C1

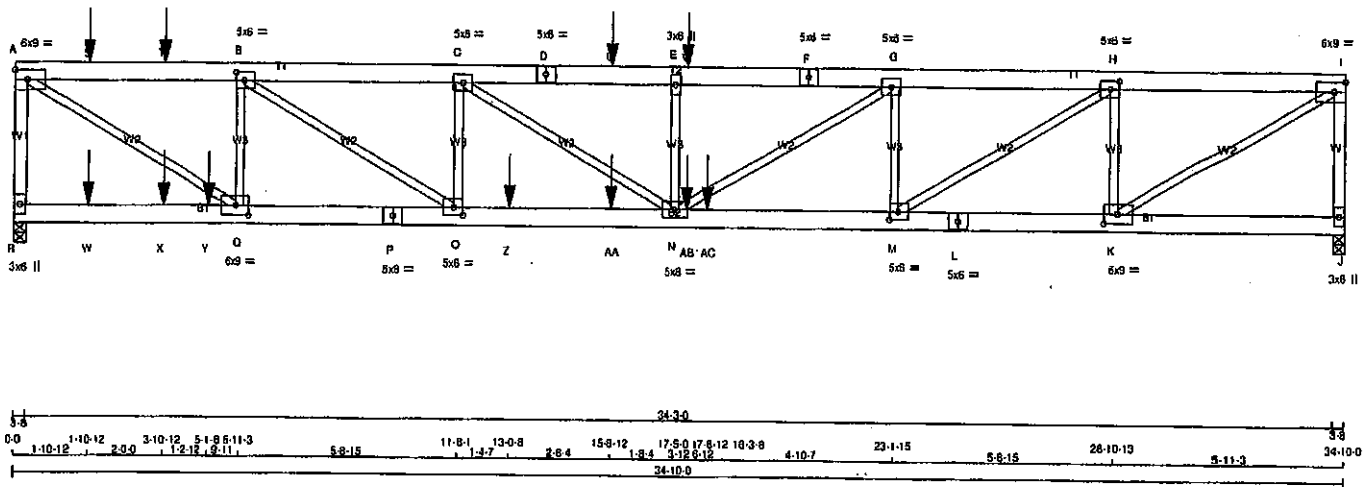
CONNECTION REQUIREMENTS

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



Structural component only
DWG# T-2007063 7/2

JOB NAME 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 MTek Industries, Inc. Sat Apr 25 11:02:49 2020 Page 1	
ID: 7Vf?aG0E03cRU6X1/SkziWYK-zfWzSolhMelfWnWnG566h7Ury008GacTEqvOzNCnb				Scale = 1/4" = 1'-0"	



CHORDS	SIZE	DRY	LUMBER	DESCR.
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	1	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 TRANSFERING. 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		INPUT		REQD	
JT	VERT	JT	HORZ	JT	HORZ	JT	HORZ	JT	HORZ	JT	HORZ
R	4002	0	4002	0	0	3-B	3-B	3-B	3-B	3-B	3-B
J	3132	0	3132	0	0	3-B	3-B	3-B	3-B	3-B	3-B

UNFACTORED REACTIONS		1ST LOASE		MAX/MIN COMPONENT REACTIONS	
JT	COMBINED	JT	SNOW	JT	LIVE
R	2824	1886	0	0	0
J	2212	1470	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 = 3.84 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				W E B S				
MAX. FACTORED		FACTORED		MAX. FACTORED		FACTORED		
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM	TO			FR-TO		
R-A	-3851 / 0	0.0	0.0	0.44 (1)	6.01	K-I	0 / 5428	0.67 (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	0.50 (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	C-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 / 1828	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	0.35 (1)	6.80			

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

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
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL. (LL) = L/360 (1.18")
CALCULATED VERT. DEFL. (LL) = L/999 (0.28")
ALLOWABLE DEFL. (TL) = L/360 (1.18")
CALCULATED VERT. DEFL. (TL) = L/328 (0.50")

CSI: TC=0.44/1.00 (A-R:1), BC=0.81/1.00 (N-O:1), WB=0.83/1.00 (A-Q:1), SSI=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
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.88 (M) (INPUT = 0.90)
JSI METAL = 0.50 (P) (INPUT = 1.00)



Structural component only
DWG# T-2007064 1/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408150	T1Z	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
A	TMVW-I	MT20	6.0	9.0		Edge
B	TMWW-I	MT20	5.0	6.0	2.50	2.75
C	TMWW-I	MT20	5.0	6.0		
D	TS-I	MT20	5.0	6.0		
E	TMW-w	MT20	3.0	6.0		
F	TS-I	MT20	5.0	6.0		
G	TMWW-I	MT20	5.0	6.0		
H	TMWW-I	MT20	5.0	6.0	2.50	2.75
I	TMVW-I	MT20	6.0	9.0		Edge
J	BMVt-p	MT20	3.0	6.0		
K	BMWW-I	MT20	6.0	9.0	3.00	4.25
L	BS-I	MT20	5.0	6.0		
M	BMWW-I	MT20	5.0	6.0	2.50	2.75
N	BMWW-I	MT20	5.0	6.0		
O	BMWW-I	MT20	5.0	6.0	2.50	2.75
P	BS-I	MT20	5.0	6.0		
Q	BMWW-I	MT20	6.0	9.0	3.00	4.25
R	BMVt-p	MT20	3.0	6.0		

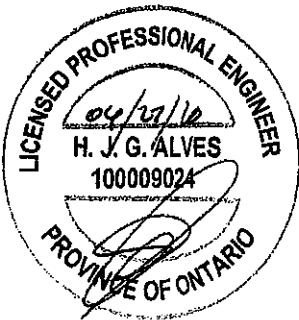
Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

FACTORED CONCENTRATED LOADS (LBS)

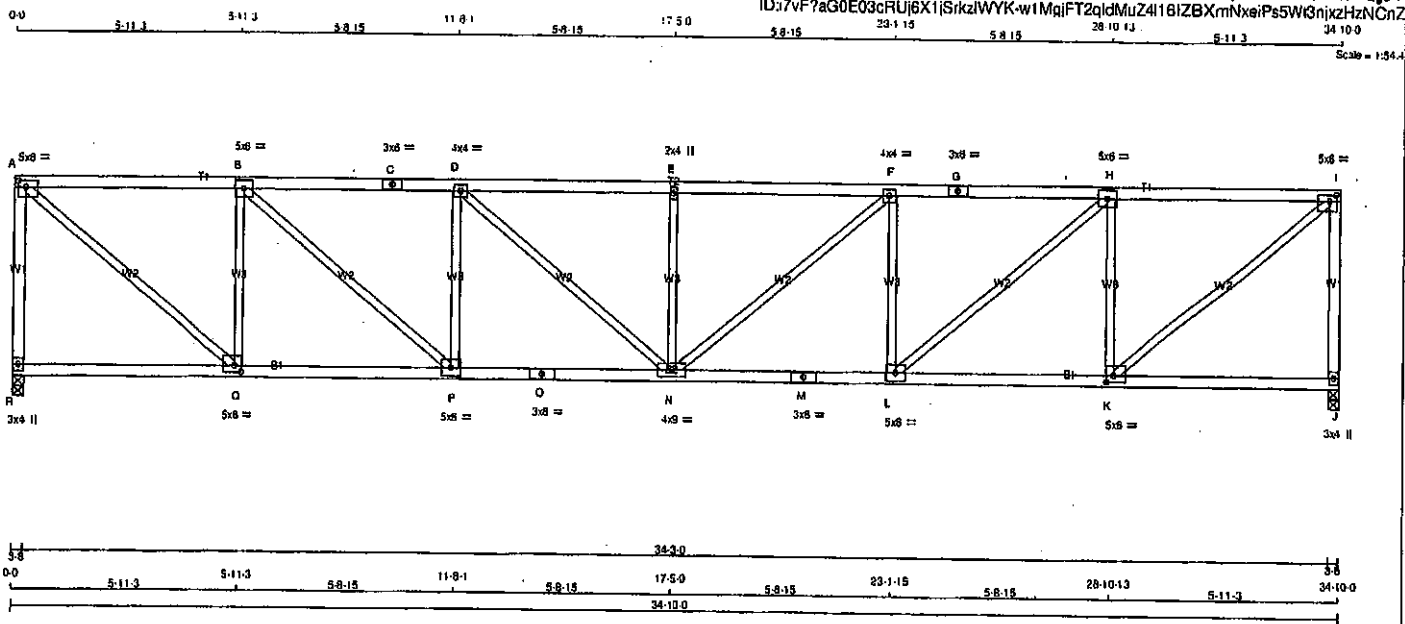
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
AC	18-3-8	-1293	-1293		BACK	VERT	TOTAL		CI

CONNECTION REQUIREMENTS

1) CT: A SUITABLE HANGER MECHANICAL CONNECTION IS REQUIRED.



Structural component only
DWG# T-2007064 32



LUMBER

N. L. G. A. RULES

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-I	MT20	5.0	8.0	2.00 2.25
B	TMVW-I	MT20	5.0	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	TMVW-I	MT20	4.0	4.0	
G	TS-I	MT20	3.0	8.0	
H	TMVW-I	MT20	5.0	8.0	
I	TMVW-I	MT20	5.0	8.0	2.00 2.25
J	BMV1+P	MT20	3.0	4.0	
K	BMVW-I	MT20	5.0	8.0	2.00 2.25
L	BMVW-I	MT20	5.0	8.0	
M	BS-I	MT20	3.0	8.0	
N	BMVW-I	MT20	4.0	9.0	
O	BS-I	MT20	3.0	8.0	
P	BMVW-I	MT20	5.0	8.0	
Q	BMVW-I	MT20	5.0	8.0	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 GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
R	1920	0	1920	0
J	1920	0	1920	0

UNFACTORED REACTIONS

	1ST LOSE	MAX MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
R	1358	891 / 0	0 / 0	0 / 0	0 / 0	467 / 0	0 / 0
J	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) 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.	FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	FACTORED LCI MAX (LBS)	MEMB.	FACTORED FORCE (LBS)	FACTORED MAX CSI (LC)	MAX CSI (LC)
FR-TO		FROM	TO	FR-TO			
R-A	-1875 / 0	0.0	0.0 0.83 (1)	6.13	K-I	0 / 2630	0.59 (1)
A-B	-2042 / 0	-91.8	-91.8 0.59 (1)	4.10	A-Q	0 / 2630	0.59 (1)
B-C	-3149 / 0	-91.8	-91.8 0.74 (1)	3.28	K-H	-1535 / 0	0.59 (1)
C-D	-3149 / 0	-91.8	-91.8 0.74 (1)	3.28	Q-B	-1535 / 0	0.59 (1)
D-E	-3533 / 0	-91.8	-91.8 0.68 (1)	3.23	L-H	0 / 1444	0.33 (1)
E-F	-3533 / 0	-91.8	-91.8 0.68 (1)	3.23	B-P	0 / 1444	0.33 (1)
F-G	-3149 / 0	-91.8	-91.8 0.74 (1)	3.28	L-P	-828 / 0	0.32 (1)
G-H	-3149 / 0	-91.8	-91.8 0.74 (1)	3.28	P-D	-828 / 0	0.32 (1)
H-I	-2042 / 0	-91.8	-91.8 0.59 (1)	4.10	N-F	0 / 502	0.11 (1)
J-I	-1875 / 0	0.0	0.0 0.83 (1)	6.13	D-N	0 / 502	0.11 (1)
					N-E	-537 / 0	0.21 (1)
R-Q	0 / 0	-18.5	-18.5 0.15 (4)	10.00			
Q-P	0 / 2042	-18.5	-18.5 0.40 (1)	10.00			
P-O	0 / 3149	-18.5	-18.5 0.56 (1)	10.00			
O-N	0 / 3149	-18.5	-18.5 0.56 (1)	10.00			
N-M	0 / 3149	-18.5	-18.5 0.56 (1)	10.00			
M-L	0 / 3149	-18.5	-18.5 0.56 (1)	10.00			
L-K	0 / 2042	-18.5	-18.5 0.40 (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, 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 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/380 (1.16")
CALCULATED VERT. DEFL.(LL) = L/899 (0.23")
ALLOWABLE DEFL.(TL) = L/380 (1.16")
CALCULATED VERT. DEFL.(TL) = L/986 (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), SE=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

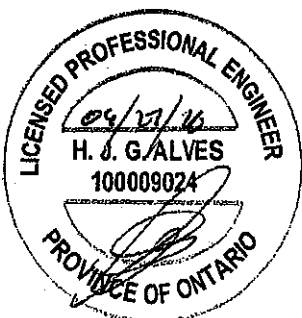
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 816 354 1807 788 1987 1656

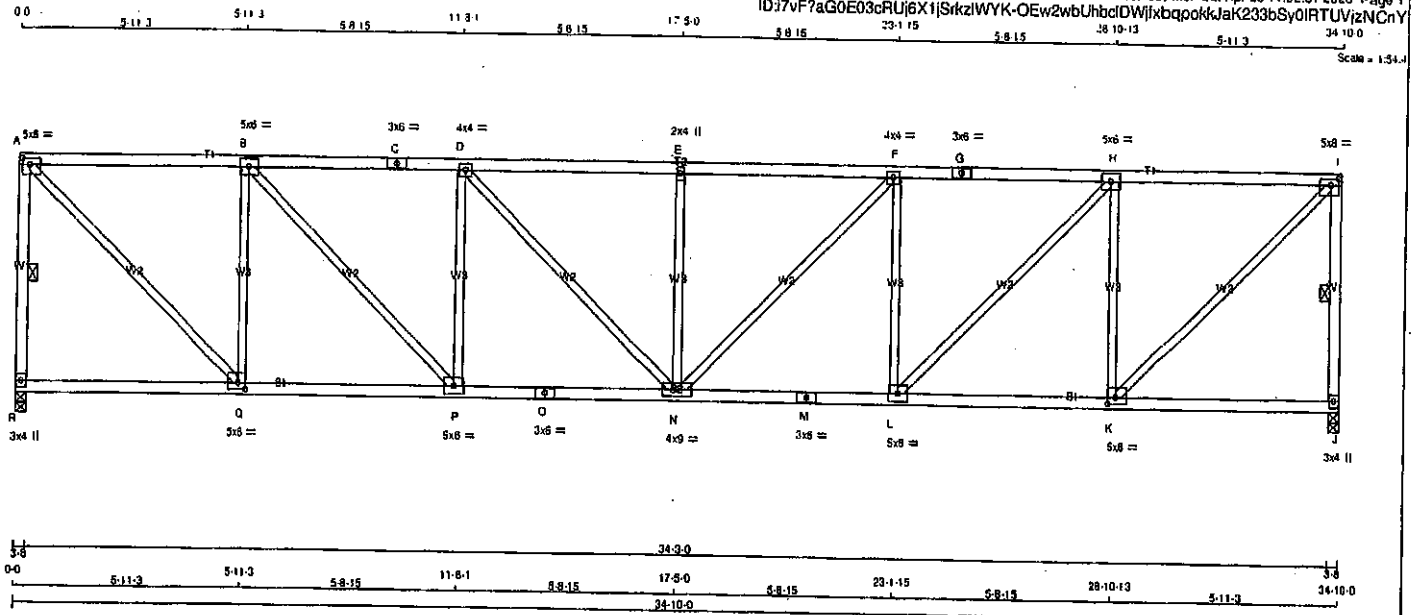
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (A) (INPUT = 0.90)
JSI METAL= 0.99 (M) (INPUT = 1.00)



JOB NAME 408150	TRUSS NAME T3	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.310 8 Oct 29 2019 MITEX Industries, Inc. Sat Apr 25 11:02:51 2020 Page 1	ID:7vF7aG0E03cRUj6X1jSkzWYK-OEW2wbUhcDWjxbqpkKJaK233bSy0iRTUVjzNCnY



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
R - A	2x4	DRY No.2	SPF
A - C	2x4	DRY No.2	SPF
C - G	2x4	DRY No.2	SPF
G - I	2x4	DRY No.2	SPF
I - J	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
DRY: SEASONED LUMBER.			

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
R	1920	0	0	1920	0	0	0	3-8	3-8
J	1920	0	0	1920	0	0	0	3-8	3-8

UNFACTORED REACTIONS

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

CHORDS		FACTORED		MAX. FACTORED		WEBS		FACTORED		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT.	LC1	MAX	CS1 (LC)	MEMB.	FORCE (LBS)	VERT.	LC1	MAX	CS1 (LC)
FR-TO		FROM	TO			FR-TO		FROM	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 / 2368	0.53 (1)			
B-C	-2808 / 0	-91.8	-91.8	0.66 (1)	3.63	K-H	-1536 / 0	0.50 (1)			
C-D	-2808 / 0	-91.8	-91.8	0.66 (1)	3.63	Q-B	-1536 / 0	0.50 (1)			
D-E	-2827 / 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	0.66 (1)	3.63	L-F	-828 / 0	0.48 (1)			
G-H	-2808 / 0	-91.8	-91.8	0.66 (1)	3.63	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)			
R-Q	0 / 0	-18.5	-18.5	0.15 (4)	10.00	N-E	-537 / 0	0.31 (1)			
Q-P	0 / 1691	-18.5	-18.5	0.35 (1)	10.00						
P-O	0 / 2608	-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 / 1691	-18.5	-18.5	0.35 (1)	10.00						
K-J	0 / 0	-18.5	-18.5	0.15 (4)	10.00						

TOTAL WEIGHT = 2 X 153 = 305 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 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 086-09, CSA 088-14
- TPIC 2011, TPIC 2014

(5% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.16")
CALCULATED VERT. DEFL.(LL) = L/899 (0.16")
ALLOWABLE DEFL.(TL) = L/360 (1.16")
CALCULATED VERT. DEFL.(TL) = L/899 (0.33")

CS1: TC=0.68/1.00 (F-H:1), BC=0.47/1.00 (N-P:1), WB=0.90/1.00 (H-K:1), SS1=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 1867 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

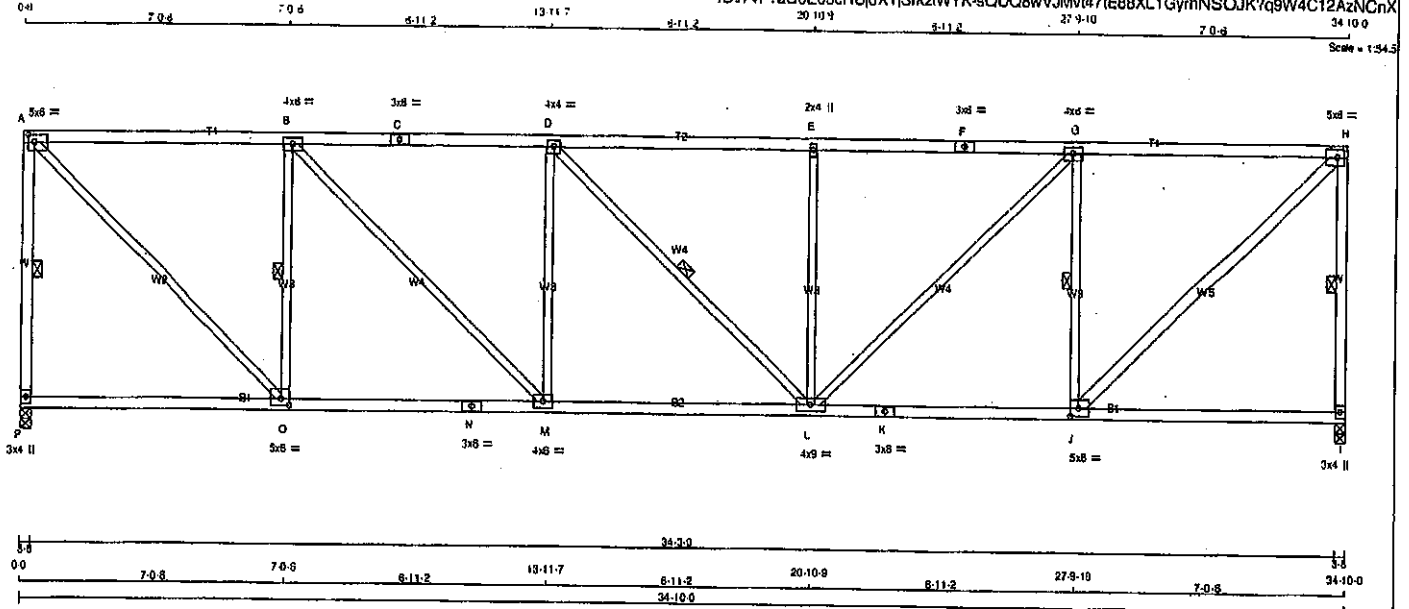
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (1) (INPUT = 0.90)
JSI METAL= 0.83 (M) (INPUT = 1.00)



Structural component only
DWG# T-2007066

JOB NAME 408150	TRUSS NAME T4	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	ORWG NO.
Tamarack Roof Truss, Burlington				Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Sat Apr 25 11:02:52 2020 Page 1 ID:7vF7aG0E03cRU8X1ISkziWYK-sOUQ8wVJmV47IE88XL1GyrhNSOJK7q9W4C12AzNCnX	



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
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 - N	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

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
A	TMWV-1	MT20	5.0	8.0 2.25 2.00
B	TMWV-1	MT20	4.0	8.0
C	TS-1	MT20	3.0	8.0
D	TMWV-1	MT20	4.0	4.0
E	TMWV-1	MT20	2.0	4.0
F	TS-1	MT20	3.0	8.0
G	TMWV-1	MT20	4.0	8.0
H	TMWV-1	MT20	5.0	8.0 2.50 2.50
I	BMV1-p	MT20	3.0	4.0
J	BMWV-1	MT20	5.0	8.0 2.50 2.50
K	BS-1	MT20	3.0	8.0
L	BMWV-1	MT20	4.0	9.0
M	BMWV-1	MT20	4.0	6.0
N	BS-1	MT20	3.0	6.0
O	BMWV-1	MT20	5.0	6.0 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

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	GROSS REACTION	GROSS REACTION	BRG	BRG	BRG	BRG	BRG
P	1920	0	1920	0	0	3-8	3-8
I	1920	0	1920	0	0	3-8	3-8

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	DEAD	SOIL
P	1358	891 / 0	0 / 0	0 / 0	0 / 0	467 / 0	0 / 0	0 / 0	0 / 0
I	1358	891 / 0	0 / 0	0 / 0	0 / 0	467 / 0	0 / 0	0 / 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		FACTORED		WIND		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. (PLF)	MAX. (LBS)	MEMB.	FORCE (LBS)	MAX. (LBS)
FR-TO					FR-TO		
P-A	-1888 / 0	0.0	0.0 0.43 (1)	4.91	A-O	0 / 2315	0.52 (1)
A-B	-1882 / 0	-91.8	-91.8 0.82 (1)	4.04	O-B	-1466 / 0	0.47 (1)
B-C	-2416 / 0	-91.8	-91.8 0.95 (1)	3.33	B-M	0 / 1058	0.24 (1)
C-D	-2416 / 0	-91.8	-91.8 0.95 (1)	3.33	M-D	-817 / 0	0.54 (1)
D-E	-2415 / 0	-91.8	-91.8 0.74 (1)	3.73	D-L	-2 / 0	0.00 (1)
E-F	-2415 / 0	-91.8	-91.8 0.66 (1)	3.31	L-E	-616 / 0	0.54 (1)
F-G	-2415 / 0	-91.8	-91.8 0.66 (1)	3.31	L-G	0 / 1054	0.24 (1)
G-H	-1663 / 0	-91.8	-91.8 0.82 (1)	4.02	J-G	-1465 / 0	0.47 (1)
H-I	-1868 / 0	0.0	0.0 0.43 (1)	4.91	J-H	0 / 2316	0.37 (1)
P-O	0 / 0	-18.5	-18.5 0.22 (4)	10.00			
O-N	0 / 1662	-18.5	-18.5 0.39 (1)	10.00			
N-M	0 / 1662	-18.5	-18.5 0.39 (1)	10.00			
M-L	0 / 2418	-18.5	-18.5 0.47 (1)	10.00			
L-K	0 / 1663	-18.5	-18.5 0.39 (1)	10.00			
K-J	0 / 1663	-18.5	-18.5 0.39 (1)	10.00			
J-I	0 / 0	-18.5	-18.5 0.22 (4)	10.00			

TOTAL WEIGHT = 2 X 157 = 313 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 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 25.8 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=0.96/1.00 (E-G:1), BC=0.47/1.00 (L-M:1), WB=0.54/1.00 (D-M:1), SS=0.30/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00.

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

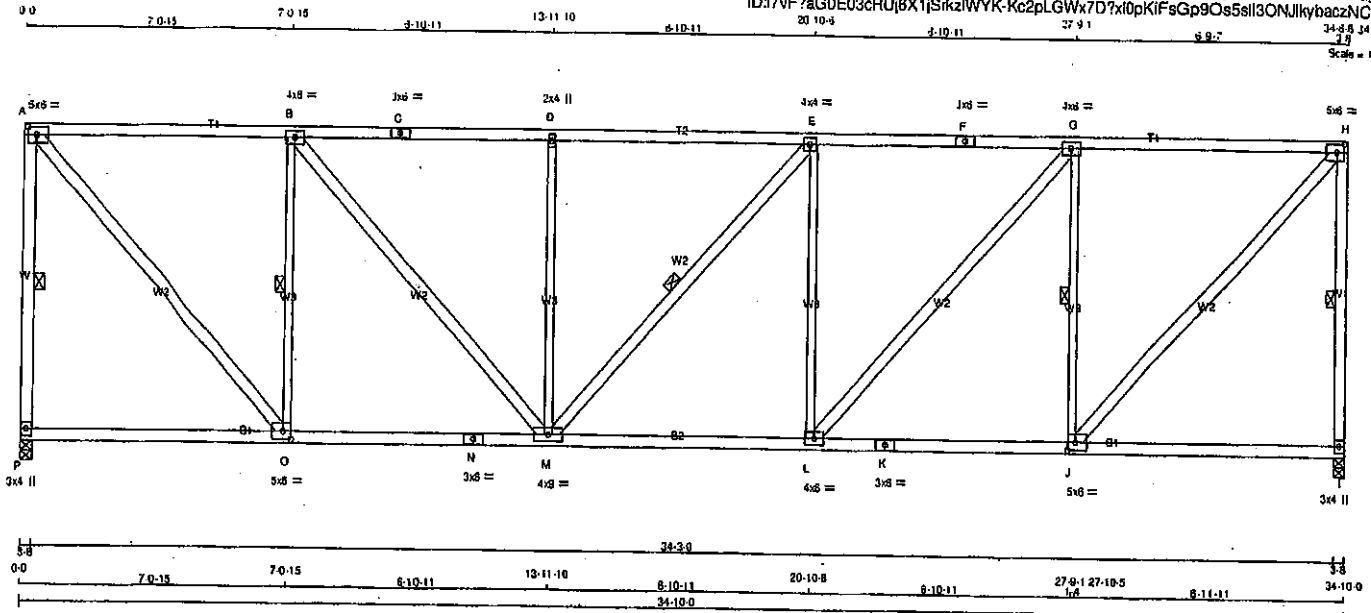
JSI GRIP = 0.90 (A) (INPUT = 0.90)
JSI METAL = 0.53 (K) (INPUT = 1.00)



Structural component only
DWG# T-2007067

JOB NAME 408150	TRUSS NAME T5	QUANTITY 10	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

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ID:7vF?aG0E03cRUj8X1jSkzIWK-Kc2pLGWx7D7xi0pKiFsGp9Os5sl3ONJkybaczNCnWV
20 10-3 2-10-11 27 9-1 24-8.5 34 10-9
Scale = 1/4" = 1'-0"



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 EXCEPT	2x4	DRY	No.2
J - G	2x3	DRY	No.2
O - B	2x3	DRY	No.2
L - E	2x3	DRY	No.2
M - D	2x3	DRY	No.2

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
A	TMWV-1	MT20	5.0	8.0 2.50 2.50
B	TMWV-1	MT20	4.0	8.0
C	TS-1	MT20	3.0	8.0
D	TMWV-1	MT20	2.0	4.0
E	TMWV-1	MT20	4.0	4.0
F	TS-1	MT20	3.0	8.0
G	TMWV-1	MT20	4.0	8.0
H	TMWV-1	MT20	5.0	8.0 2.50 2.50
I	BMV1+p	MT20	3.0	4.0
J	BMWV-1	MT20	5.0	8.0 2.50 2.50
K	BS-1	MT20	3.0	8.0
L	BMWV-1	MT20	4.0	8.0
M	BMWV-1	MT20	4.0	8.0
N	BS-1	MT20	3.0	8.0
O	BMWV-1	MT20	5.0	8.0 2.50 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	RECORD
JT	VERT	GROSS REACTION	GROSS REACTION	BRG	BRG
P	1920	0	1920	0	0
I	1920	0	1920	0	0

UNFACTORED REACTIONS		1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE
P	1358	891/0	0/0
I	1358	891/0	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 = 3.56 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		CHORDS		WEBS	
TOTAL LOAD CASES: (4)		MEMB.	FORCE (LBS)	MEMB.	FORCE (LBS)
		FR-TO	FROM TO	FR-TO	FROM TO
		P-A	-1868/0	J-H	0/2171
		A-B	-1458/0	A-O	0/2171
		B-C	-2108/0	J-G	-1483/0
		C-D	-2108/0	O-B	-1482/0
		D-E	-2108/0	L-G	0/982
		E-F	-2108/0	B-M	0/980
		F-G	-2108/0	L-E	-613/0
		G-H	-1458/0	M-D	-812/0
		H-I	-1868/0	M-E	-2/0

		MAX. FACTORED	FACTORED	MAX. FACTORED
		FORCE (LBS)	VERT. LOAD (PLF)	FORCE (LBS)
P-O	0/0	-18.5	-18.5 0.22 (4)	10.00
O-N	0/1458	-18.5	-18.5 0.38 (1)	10.00
N-M	0/1458	-18.5	-18.5 0.38 (1)	10.00
M-L	0/2108	-18.5	-18.5 0.42 (1)	10.00
L-K	0/1458	-18.5	-18.5 0.38 (1)	10.00
K-J	0/1458	-18.5	-18.5 0.38 (1)	10.00
J-I	0/0	-18.5	-18.5 0.22 (4)	10.00

TOTAL WEIGHT = 10 X 178 = 1785 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 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 (1.16")
CALCULATED VERT. DEFL. (LL) = L/999 (0.12")
ALLOWABLE DEFL. (TL) = L/360 (1.16")
CALCULATED VERT. DEFL. (TL) = L/999 (0.24")

CSL: TC=0.90/1.00 (B-D:1), BC=0.42/1.00 (L-M:1), WB=0.78/1.00 (E-L:1), SS=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

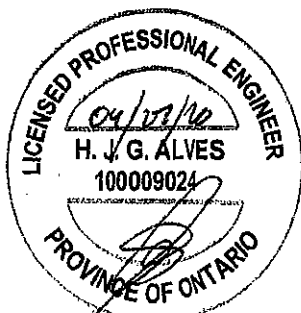
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

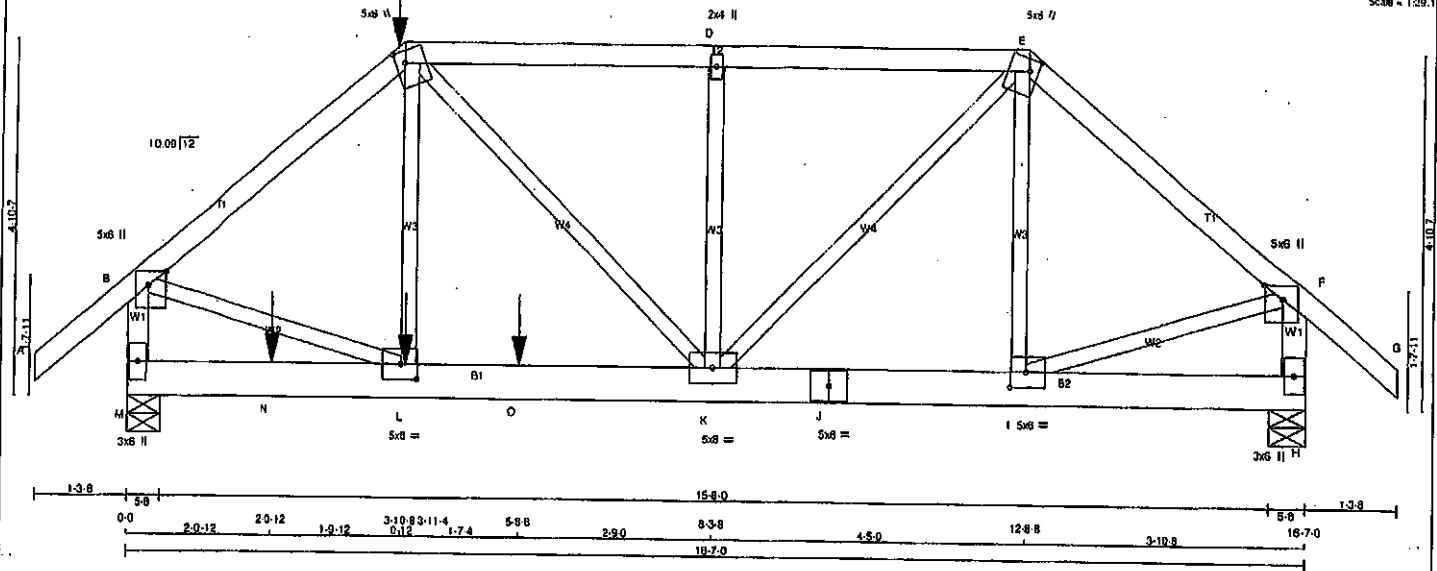
PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2007068

JOB NAME 408150	TRUSS NAME T6	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
Famareck Roof Truss, Burlington				Version 6.310 S Oct 29 2019 Mitek Industries, Inc. Sat Apr 25 11:02:54 2020 Page 1 ID:17vF?aG0E03cRU6X1 SrkzWYK-opcBZcXZuX7cNAOWGyNVLNxAAG1Foy0S_Oh862zNCnV		



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	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	TMVW+p	MT20	5.0	6.0	Edge 2.75
C	TTWW+m	MT20	5.0	8.0	2.00 1.50
D	TMVW+w	MT20	2.0	4.0	
E	TTWW+m	MT20	5.0	8.0	2.00 1.50
F	TMVW+p	MT20	5.0	6.0	Edge 2.75
H	BMV1+p	MT20	3.0	8.0	
I	BMVW+1	MT20	5.0	8.0	2.50 2.75
J	BS-1	MT20	5.0	8.0	
K	BMVW+1	MT20	5.0	8.0	2.50 2.75
L	BMVW+1	MT20	5.0	8.0	2.50 2.75
M	BMV1+p	MT20	3.0	6.0	

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	GROSS REACTION	VERT	HORZ	DOWN	HORZ	BRG	IN-SX	BRG	IN-SX
M	1888	0	1888	0	0	5-8	5-8	5-8	5-8
H	1422	0	1422	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS		1ST CASE		MAX MIN. COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND
M	1329	909 / 0	0 / 0	0 / 0	0 / 0
H	1001	683 / 0	0 / 0	0 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.55 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)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO	FROM TO	FR-TO	FROM TO
A-B	0 / 41	L-C	0 / 383
B-C	-1847 / 0	C-K	0 / 310
C-D	-1841 / 0	K-E	-481 / 0
D-E	-1841 / 0	E-I	0 / 1010
E-F	-1225 / 0	I-F	-274 / 0
F-G	0 / 41	B-L	0 / 1480
M-B	-1926 / 0	I-F	0 / 981
H-F	-1380 / 0		
M-N	0 / 0		
N-L	0 / 0		
L-O	0 / 1424		
O-K	0 / 1424		
K-J	0 / 932		
J-I	0 / 932		
I-H	0 / 0		

FACTORED CONCENTRATED LOADS (LBS)		CONNECTION REQUIREMENTS	
JT	LOC.	LOC1	LOC2
C	3-10-8	-241	-241
L	3-11-4	-17	-17
N	2-0-12	-17	-17
O	5-6-8	-953	-953

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, OBC 2012, ABC 2019
- PART 9 OF CBC 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

ALLOWABLE DEFL.(LL) = L/360 (0.55")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.55")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TC=0.38/1.00 (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 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
MT20 618 354 1867 789 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (C) (INPUT = 0.80)

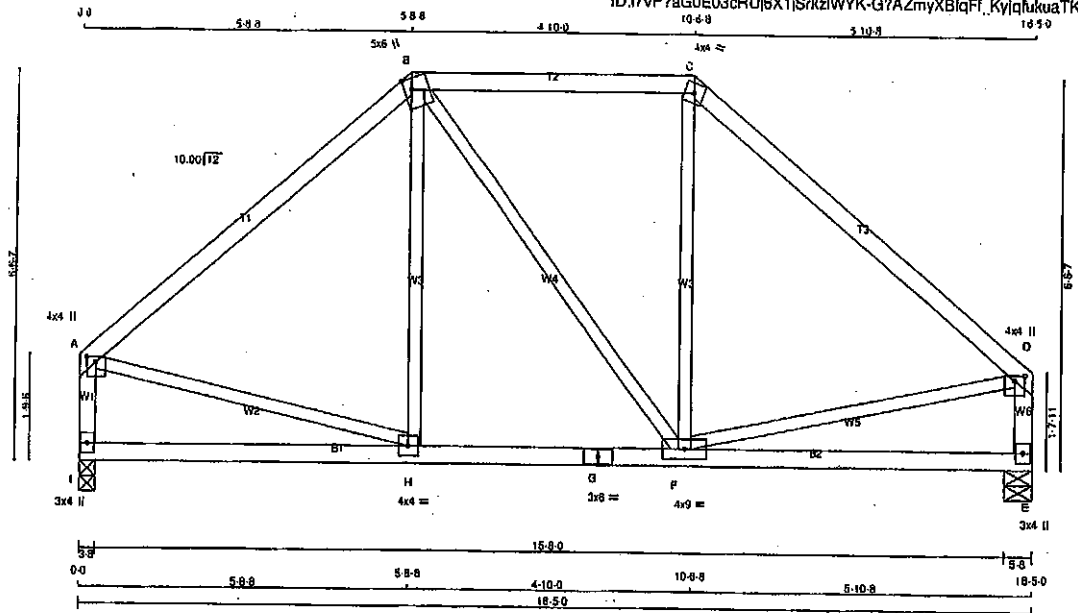
JSI METAL= 0.57 (J) (INPUT = 1.00)



Structural component only
DWG# T-2007069

JOB NAME 408150	TRUSS NAME T7	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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TOTAL WEIGHT = 70 lb (M/F)

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER
A - B	2x4	DRY	No.2
B - C	2x4	DRY	No.2
C - D	2x4	DRY	No.2
I - A	2x4	DRY	No.2
E - D	2x4	DRY	No.2
I - G	2x4	DRY	No.2
G - E	2x4	DRY	No.2

ALL WEBS 2x3 DRY No.2 EXCEPT

DRY: SEASONED LUMBER.

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQRO BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
I	905	0	905	0	3-8	3-8
E	905	0	905	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE		MAX/MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
I	640	420/0	0/0	0/0	0/0	220/0	0/0
E	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) I, 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)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)		MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (L/C)
		FROM	TO				
A-B	-718/0	-91.8	-91.8	0.39 (1)	H-B	-34/68	0.02 (4)
B-C	-558/0	-91.8	-91.8	0.28 (1)	B-F	0/14	0.00 (1)
C-D	-729/0	-91.8	-91.8	0.42 (1)	F-C	-23/74	0.03 (4)
I-A	-880/0	0.0	0.0	0.09 (1)	A-H	0/587	0.13 (1)
E-D	-858/0	0.0	0.0	0.09 (1)	F-D	0/572	0.13 (1)
I-H	0/0	-18.5	-18.5	0.13 (4)			
H-G	0/550	-18.5	-18.5	0.18 (4)			
G-F	0/550	-18.5	-18.5	0.18 (4)			
F-E	0/0	-18.5	-18.5	0.14 (4)			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
OL = 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 NBC 2010, NBC 2012, ABC 2019
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(65% OF 31.3 P.S.F. G.S.L PLUS 6.4 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/899 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.55")
CALCULATED VERT. DEFL.(TL) = L/999 (0.05")

CSI: TC=0.42/1.00 (C-D:1), BC=0.18/1.00 (F-H:4), WS=0.13/1.00 (D-F:1), SS=0.17/1.00 (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

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (D) (INPUT = 0.90)
JSI METAL= 0.24 (D) (INPUT = 1.00)



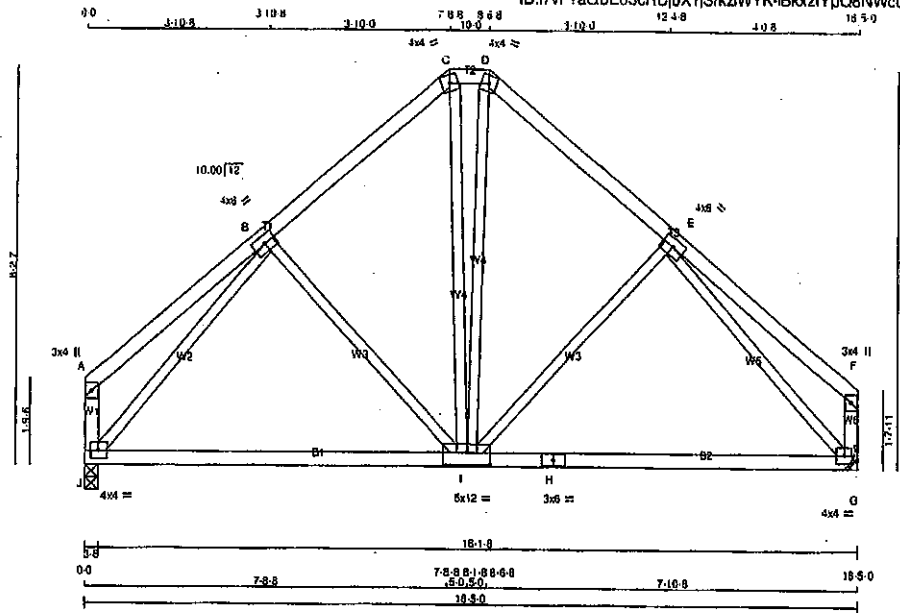
Structural component only
DWG# T-2007070

JOB NAME 408150	TRUSS NAME T8	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 = 1:43.5



LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	DRY	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	8.0	
C	TTW-m	MT20	4.0	4.0	
D	TTW-m	MT20	4.0	4.0	
E	TMWW-1	MT20	4.0	8.0	
F	TMV+p	MT20	3.0	4.0	
G	BMVW1-1	MT20	4.0	4.0	
H	BS-1	MT20	3.0	6.0	
I	BMWWWW-1	MT20	5.0	12.0	3.00 6.00
J	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	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	BRG	BRG
J	905	0	905	0	0	3-8	3-8		
G	905	0	905	0	0	MECHANICAL			

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERALIVE	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				WEBS			
MEMB.	FORCE	FACTORED		MEMB.	FORCE	FACTORED	
(LBS)		(PLF)		(LBS)		(LBS)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 / 27	-91.8	-91.8 0.22 (1)	10.00	B-1	-163 / 0	0.11 (1)
B-C	-649 / 0	-91.8	-91.8 0.17 (1)	6.25	I-E	-190 / 0	0.13 (1)
C-D	-489 / 0	-91.8	-91.8 0.01 (1)	6.25	J-B	-930 / 0	0.54 (1)
D-E	-650 / 0	-91.8	-91.8 0.18 (1)	6.25	E-G	-935 / 0	0.57 (1)
E-F	0 / 27	-91.8	-91.8 0.23 (1)	10.00	C-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			

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, NBCC 2015

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.55")
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), SS=0.13/1.00 (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	1887 788	1987 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

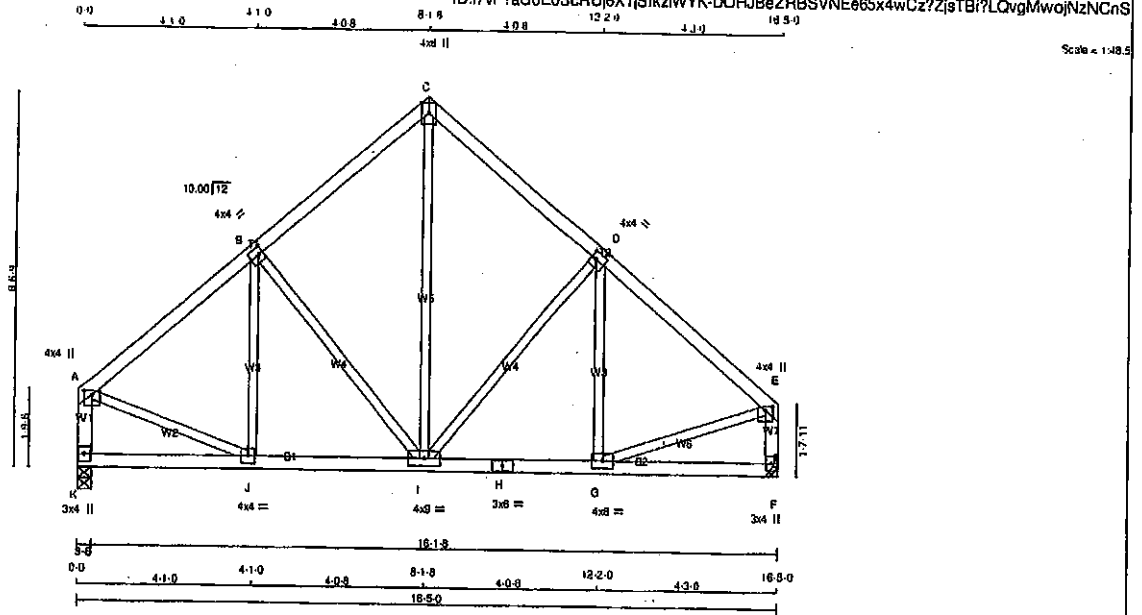


Structural component only
DWG# T-2007071

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408150	T9	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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

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 is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.00	2.00
B	TMVW-l	MT20	4.0	4.0	2.00	1.25
C	TTW+p	MT20	4.0	8.0	Edge	
D	TMVW-l	MT20	4.0	4.0	2.00	1.25
E	TMVW+p	MT20	4.0	4.0	1.00	2.00
F	BMV1+p	MT20	3.0	4.0		
G	BMVW-l	MT20	4.0	8.0		
H	BS-l	MT20	3.0	6.0		
I	BMVW-l	MT20	4.0	9.0		
J	BMVW-l	MT20	4.0	4.0		
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		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS REACTION	GROSS REACTION	DOWN	HORIZ	BRG	BRG	IN-SX	IN-SX
K	905	0	895	0	0	3-8	3-8		
F	905	0	905	0	0	MECHANICAL			

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT F. MINIMUM BEARING LENGTH AT JOINT F = 3.8.

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
K	840	420/0	0/0	0/0	0/0	220/0	0/0
F	840	420/0	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 = 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	MEMB.	MAX. FACTORED
	FORCE (LBS)		FORCE (LBS)
FR-TO	FROM	FR-TO	FROM
A-B	-772/0	J-B	-135/21
B-C	-620/0	B-I	-281/0
C-D	-622/0	I-C	0/478
D-E	-795/0	I-D	-278/0
K-A	-873/0	G-D	-110/31
F-E	-872/0	A-J	0/653
		G-E	0/662
K-J	0/0		
J-I	0/615		
I-H	0/633		
H-G	0/633		
G-F	0/0		

DESIGN CRITERIA

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

SPACING = 24.0 IN./C

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

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

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

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

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
MT20	618	354	1687
		788	1987
		1656	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

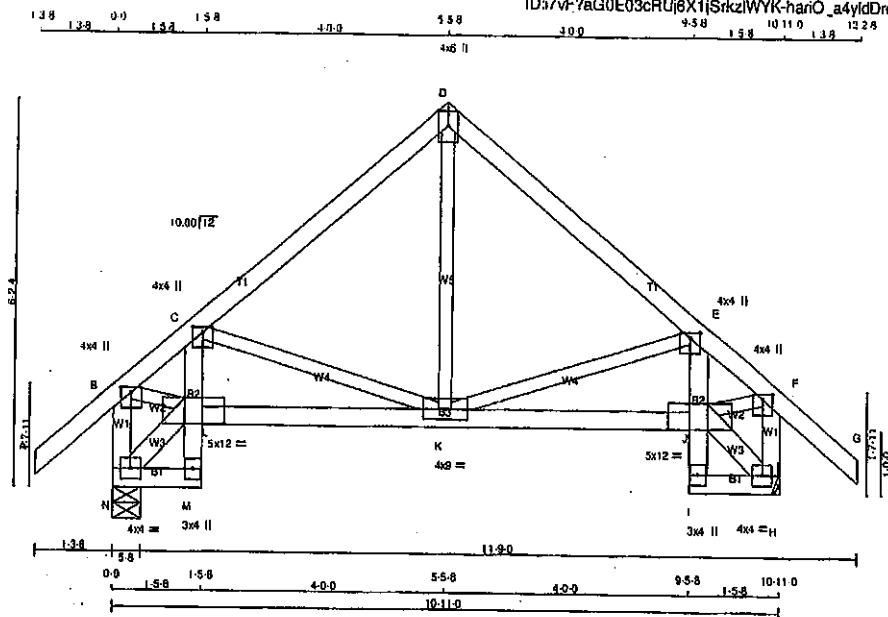
JSI GRIP= 0.87 (E) (INPUT = 0.90)
JSI METAL= 0.24 (E) (INPUT = 1.00)



Structural component only
DWG# T-2007072

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

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Scale = 1/32

TOTAL WEIGHT = 2 X 56 = 112 lb (M/F)

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	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	2x3	DRY	No.2
EXCEPT			
N - L	2x4	DRY	No.2
J - H	2x4	DRY	No.2

DRY: SEASONED LUMBER.

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

BEARINGS

MEMB.	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	RECORD BRG
	VERT	HORZ	DOWN	HORZ		
JT	729	0	729	0	5-8	5-8
N	729	0	729	0	5-8	5-8
H	729	0	729	0	MECHANICAL	

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

UNFACTORED REACTIONS

MEMB.	1ST LCASE		MAX/MIN. COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	513	350/0	0/0	0/0	0/0	163/0	0/0
N	513	350/0	0/0	0/0	0/0	163/0	0/0
H	513	350/0	0/0	0/0	0/0	163/0	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 = 7.81 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	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM	TO	LENGTH	FR-TO			
A-B	0/41	-91.8	-91.8	0.13 (1)	10.00	C-K	-211/0	0.07 (1)
B-C	-447/0	-91.8	-91.8	0.14 (1)	8.25	K-D	0/229	0.05 (1)
C-D	-447/0	-91.8	-91.8	0.19 (1)	8.25	K-E	-210/0	0.07 (1)
D-E	-447/0	-91.8	-91.8	0.18 (1)	8.25	N-L	-28/0	0.00 (1)
E-F	-446/0	-91.8	-91.8	0.14 (1)	8.25	B-L	0/527	0.12 (1)
F-G	0/41	-91.8	-91.8	0.13 (1)	10.00	J-F	0/528	0.12 (1)
N-B	-701/0	0.0	0.0	0.07 (1)	7.81	J-H	-28/0	0.00 (1)
H-F	-701/0	0.0	0.0	0.07 (1)	7.81			
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	-92/2	0.0	0.0	0.02 (1)	7.81			
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)	7.81			
I-H	0/20	-18.5	-18.5	0.01 (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. CG

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

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

DESIGN ASSUMPTIONS
OVERHANG NOT TO BE ALTERED OR CUT OFF.

(5% 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) = 1/360 (0.36")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.01")
ALLOWABLE DEFL.(TL) = 1/360 (0.36")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.02")

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

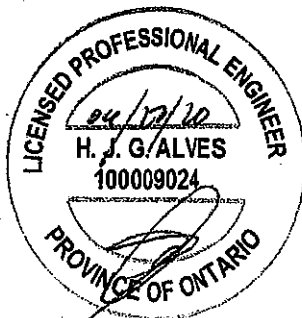
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

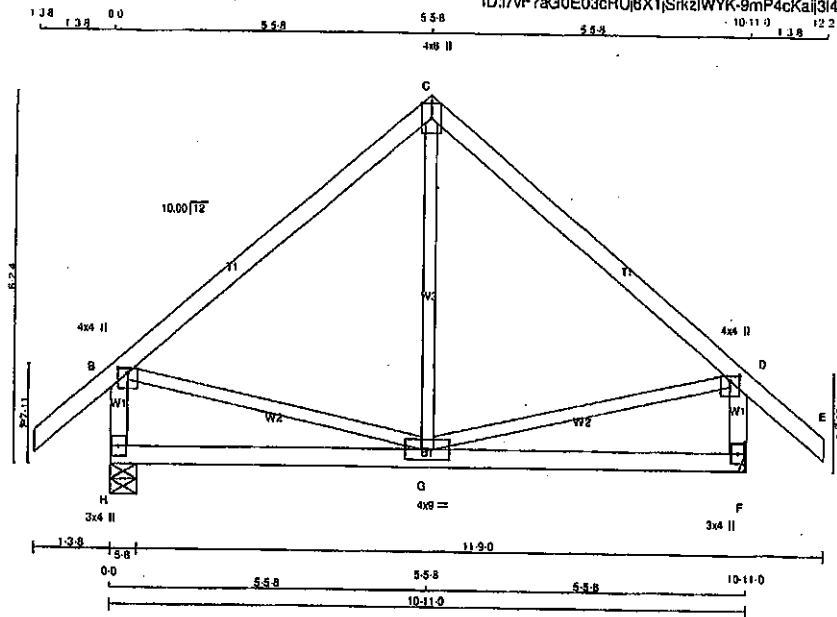
JSI GRIP = 0.74 (F) (INPUT = 0.90)
JSI METAL = 0.20 (F) (INPUT = 1.00)



Structural component only
DWG# T-2007073

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408150	T11	1	1	GREEN PARK HOMES	
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 is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	4.0	1.00 2.00
C	TTW+p	MT20	4.0	6.0	Edge
D	TMVW+p	MT20	4.0	4.0	1.00 2.00
F	BMV1+p	MT20	3.0	4.0	
G	BMVWW-I	MT20	4.0	9.0	
H	BMV1+p	MT20	3.0	4.0	

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

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	GROSS REACTION	DOWN	BRG	BRG
H	VERT	729	0	5-8	5-8
F	HORZ	729	0	MECHANICAL	MECHANICAL

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	DEAD	SOIL
H	COMBINED	SNOW	0/0	0/0
F	COMBINED	SNOW	0/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD LC1 (PLF)	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)	10.00	G-C	-15/89	0.03 (4)
B-C	-380/0	-91.8	-91.8 0.35 (1)	8.25	B-G	0/300	0.07 (1)
C-D	-380/0	-91.8	-91.8 0.35 (1)	8.25	G-D	0/300	0.07 (1)
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

DESIGN CRITERIA

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

SPACING = 24.0 IN. OC

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

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

(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) = 1/999 (0.00")
ALLOWABLE DEFL. (TL) = L/360 (0.38")
CALCULATED VERT. DEFL. (TL) = 1/999 (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

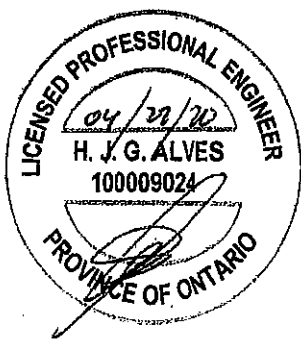
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

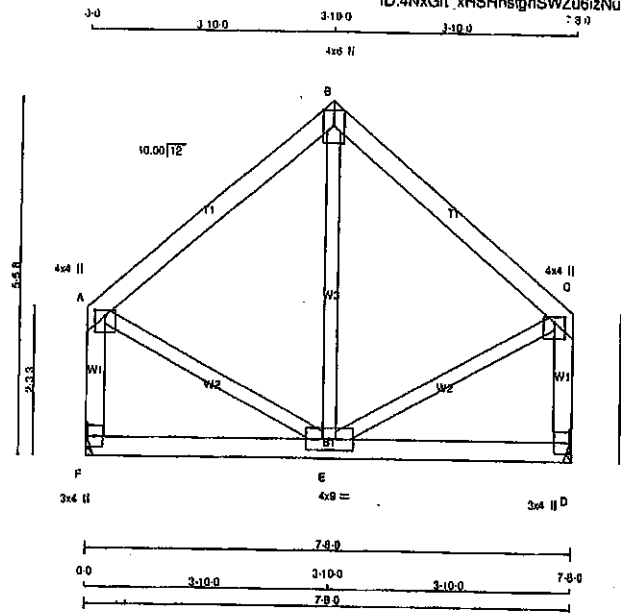
JSI GRIP = 0.62 (D) (INPUT = 0.50)
JSI METAL = 0.17 (D) (INPUT = 1.00)



Structural component only
DWG# T-2007074

DRWG NO.

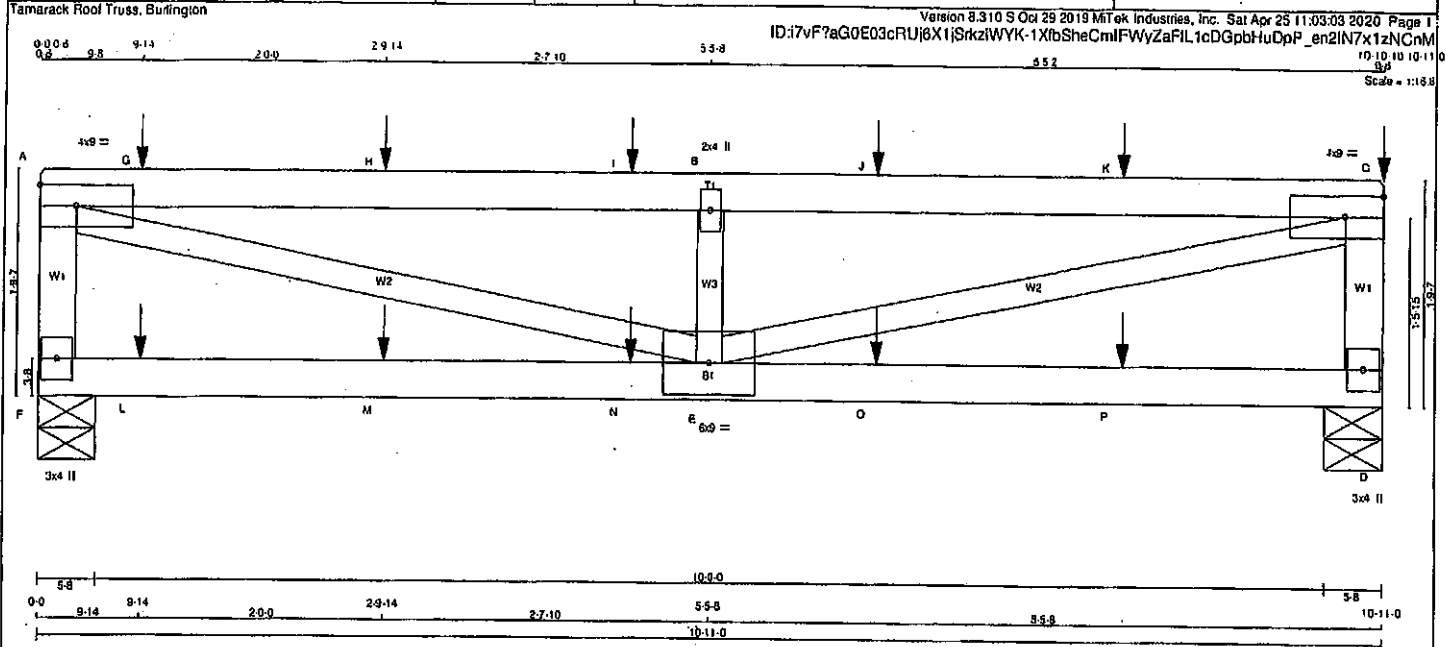
Scale = 1:25



Structural component only
DWG# T-2007075

Structural component only
DWG# T-2007076

JOB NAME 408150	TRUSS NAME T15	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



LUMBER	CHORDS	SIZE	LUMBER	DESCR.
N. L. G. A. RULES	A - 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 EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMW-1	MT20	4.0	9.0		Edge
B	TMW-1	MT20	2.0	4.0		
C	TMW-1	MT20	4.0	9.0		Edge
D	BMV1-p	MT20	3.0	4.0		
E	BMWVW-1	MT20	8.0	9.0		
F	BMV1-p	MT20	3.0	4.0		

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

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

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT		RECORD	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX	IN-SX
F	978	0	978	0	0	5-8	5-8	5-8	5-8
D	1015	0	1015	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE	MAX	MIN	COMBINED	SNOW	LIVE	PERM	LIVE	WIND	DEAD	SOIL
F	690	453	0	0	0	0	0	0	0	237	0
D	716	479	0	0	0	0	0	0	0	237	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		FACTORED		FACTORED		W E B S		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT.	LOI	MAX	MAX	MEMB.	FORCE (LBS)	MAX	MAX
FR-TO		FROM	TO	CS1 (LC)	UNBRACED LENGTH	FR-TO			
A-C	-2081 / 0	-91.8	-91.8	0.79 (1)	3.55	A-E	0 / 2157	0.53 (1)	
G-H	-2081 / 0	-91.8	-91.8	0.79 (1)	3.55	E-B	-878 / 0	0.14 (1)	
H-I	-2081 / 0	-91.8	-91.8	0.79 (1)	3.55	E-C	0 / 2157	0.53 (1)	
I-B	-2081 / 0	-91.8	-91.8	0.79 (1)	3.55				
B-J	-2081 / 0	-91.8	-91.8	0.79 (1)	3.55				
J-K	-2081 / 0	-91.8	-91.8	0.79 (1)	3.55				
K-C	-2081 / 0	-91.8	-91.8	0.79 (1)	3.55				
F-A	-889 / 0	0.0	0.0	0.10 (1)	7.81				
D-C	-938 / 0	0.0	0.0	0.11 (1)	7.81				
F-L	0 / 0	-18.5	-18.5	0.22 (4)	10.00				
L-M	0 / 0	-18.5	-18.5	0.22 (4)	10.00				
M-N	0 / 0	-18.5	-18.5	0.22 (4)	10.00				
N-E	0 / 0	-18.5	-18.5	0.22 (4)	10.00				
E-O	0 / 0	-18.5	-18.5	0.22 (4)	10.00				
O-P	0 / 0	-18.5	-18.5	0.22 (4)	10.00				
P-D	0 / 0	-18.5	-18.5	0.22 (4)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LOI	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 = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. GC

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 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) = 1/360 (0.36")
CALCULATED VERT. DEFL. (LL) = 1/999 (0.08")
ALLOWABLE DEFL. (TL) = 1/360 (0.36")
CALCULATED VERT. DEFL. (TL) = 1/817 (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.

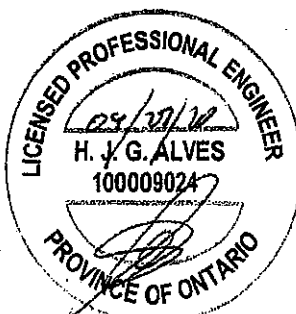
NAIL VALUES

PLATE GRIP (DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1967 1856

PLATE PLACEMENT TOL. = 0.250 inches

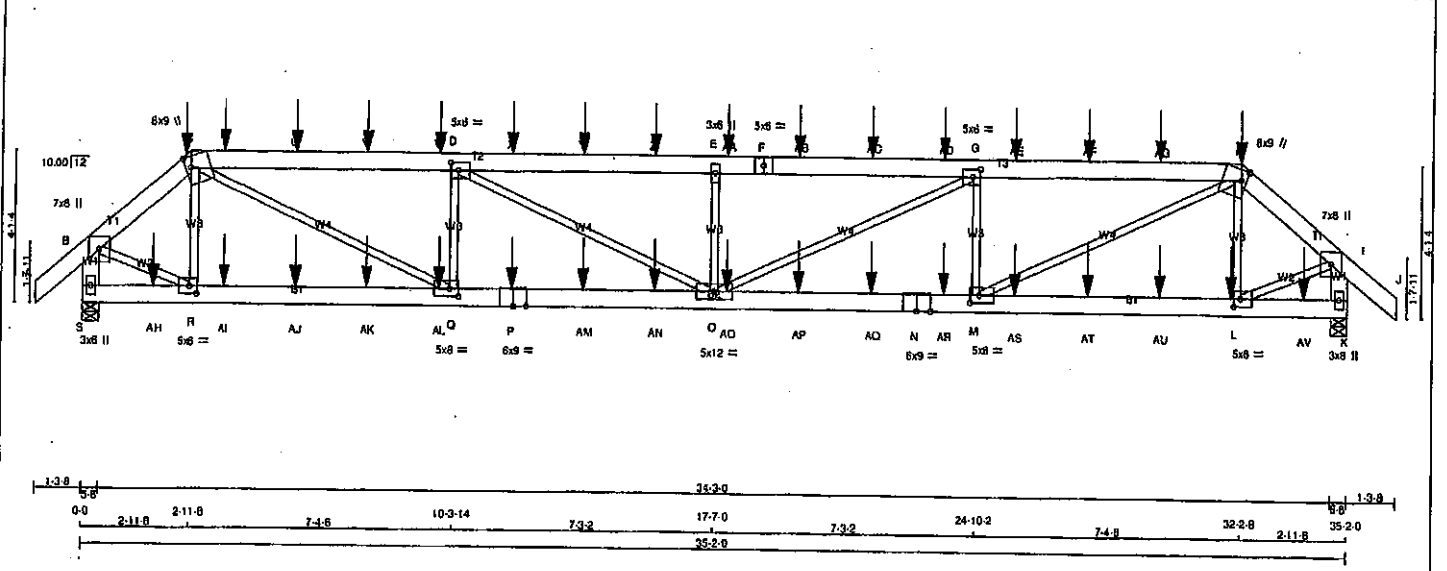
PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2007077

JOB NAME 408151	TRUSS NAME T20	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.310 S Oct 29 2019 Mitak Industries, Inc. Sat Apr 25 11:19:44 2020 Page 1	
ID:h2dfhgC44ws_E2tqPs_atzllRw-Ede?Xz51rNUYQbeR4VLHmIPQqOSi27EXMbZWzNCX				Scale = 1:57.3	



LUMBER N. L. G. A. RULES CHORDS : SIZE LUMBER DESCR. SPF 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 - L 2x8 DRY No.2 SPF L - P 2x8 DRY 1850F 1.5E SPF P - N 2x8 DRY 1850F 1.5E SPF N - K 2x8 DRY 1850F 1.5E SPF ALL WEBS 2x3 DRY No.2 SPF EXCEPT DRY: SEASONED LUMBER. DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS: CHORDS #ROWS SURFACE SPACING (IN) LOAD(PLF) TOP CHORDS : (0.122"x3") SPIRAL NAILS A-C 2 12 SIDE(122.0) C-F 2 12 SIDE(81.0) F-H 2 12 SIDE(61.0) H-J 2 12 SIDE(122.0) J-L 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 REQRD GROSS REACTION GROSS REACTION BRG BRG JT VERT HORZ DOWN HORZ UPLIFT IN-SX IN-SX S 3330 0 3330 0 0 5-8 5-8 K 3379 0 3379 0 0 5-8 5-8 UNFACTORED REACTIONS 1ST LGASE MAX/MIN COMPONENT REACTIONS JT COMBINED SNOW LIVE PERM.LIVE WIND DEAD SOIL S 2354 1553 / 0 0 / 0 0 / 0 801 / 0 0 / 0 K 2388 1572 / 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 FACTORED WEBS FACTORED MEMB. FORCE (LBS) VERT. LOAD (PLF) MAX. GSI (LC) MAX. GSI (LC) MEMB. FORCE (LBS) MAX. GSI (LC) FR-TO FROM TO LENGTH FR-TO A-B 0 / 42 -91.8 -91.8 0.04 (1) 10.00 R-C -662 / 0 0.08 (1) B-C -3359 / 0 -91.8 -91.8 0.05 (1) 6.03 C-Q 0 / 4522 0.56 (1) C-T -6608 / 0 -91.8 -91.8 0.38 (1) 4.32 Q-D -1799 / 0 0.22 (1) T-U -6608 / 0 -91.8 -91.8 0.38 (1) 4.32 D-Q 0 / 1375 0.17 (1) U-V -6608 / 0 -91.8 -91.8 0.38 (1) 4.32 Q-E -990 / 0 0.12 (1) V-W -6608 / 0 -91.8 -91.8 0.38 (1) 4.32 Q-G 0 / 1368 0.17 (1) W-D -6608 / 0 -91.8 -91.8 0.38 (1) 4.32 M-G -1768 / 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 -873 / 0 0.09 (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 -3366 / 0 0.0 0.0 0.12 (1) 7.58 K-I -3406 / 0 0.0 0.0 0.12 (1) 7.55 S-AH 0 / 0 -18.5 -18.5 0.08 (4) 10.00 AH-R 0 / 0 -18.5 -18.5 0.08 (4) 10.00 R-AI 0 / 2546 -18.5 -18.5 0.16 (1) 10.00 AI-AJ 0 / 2546 -18.5 -18.5 0.16 (1) 10.00 AJ-AK 0 / 2546 -18.5 -18.5 0.16 (1) 10.00 AK-AL 0 / 2546 -18.5 -18.5 0.16 (1) 10.00 AL-O 0 / 2546 -18.5 -18.5 0.16 (1) 10.00 O-P 0 / 6808 -18.5 -18.5 0.32 (1) 10.00 P-AM 0 / 6808 -18.5 -18.5 0.32 (1) 10.00 AM-AN 0 / 6808 -18.5 -18.5 0.32 (1) 10.00 AN-O 0 / 6808 -18.5 -18.5 0.32 (1) 10.00 O-AO 0 / 6813 -18.5 -18.5 0.32 (1) 10.00 AO-AP 0 / 6813 -18.5 -18.5 0.32 (1) 10.00 AP-AQ 0 / 6813 -18.5 -18.5 0.32 (1) 10.00 AQ-N 0 / 6813 -18.5 -18.5 0.32 (1) 10.00 N-AR 0 / 6813 -18.5 -18.5 0.32 (1) 10.00 AR-M 0 / 6813 -18.5 -18.5 0.32 (1) 10.00		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 6.0/12 *** 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 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 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: TC=0.42/1.00 (D-E:1), BC=0.32/1.00 (O-Q:1), WB=0.59/1.00 (C-Q:1), SSI=0.22/1.00 (C-D:1) BOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS=1.00 COMPANION LIVE LOAD FACTOR = 1.00 AUTOSOLVE HEELS OFF TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT. NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI) MAX MIN MAX MIN MAX MIN MT20 618 354 1667 788 1967 1656 PLATE PLACEMENT TOL. = 0.250 inches PLATE ROTATION TOL. = 5.0 Deg. JSI GRIP= 0.82 IN (INPUT = 0.90) JSI METAL= 0.52 IN (INPUT = 1.00)	
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Structural component only
DWG# T-2007081 1/2

JOB NAME 408151	TRUSS NAME T20	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	ORWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:h2dlqC44wS E2lzqPs atzIRw-E6e7Xz51rNUYObeR4VLHMMiPOqOS27EXMbZWzNCX

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW+p	MT20	7.0	8.0		
C	TTWW+m	MT20	8.0	9.0	3.50	1.75
D	TMWW-1	MT20	5.0	6.0	2.50	2.50
E	TMWW-w	MT20	3.0	6.0		
F	TS-1	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	TMWW+p	MT20	7.0	8.0		
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-1	MT20	5.0	6.0	2.50	2.25
M	BMWW-1	MT20	5.0	6.0	2.50	3.00
N	BS-1	MT20	6.0	8.0		
O	BMWW-1	MT20	5.0	12.0		
P	BS-1	MT20	8.0	9.0		
Q	BMWW-1	MT20	5.0	8.0	2.50	3.00
R	BMWW-t	MT20	5.0	6.0	2.50	2.25
S	BMV1+p	MT20	3.0	6.0		

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			
M-AS	0 / 2579	-18.5 -18.5	0.18 (1)	10.00			
AS-AT	0 / 2579	-18.5 -18.5	0.18 (1)	10.00			
AT-AU	0 / 2579	-18.5 -18.5	0.18 (1)	10.00			
AU-L	0 / 2579	-18.5 -18.5	0.18 (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	-116	-116		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.

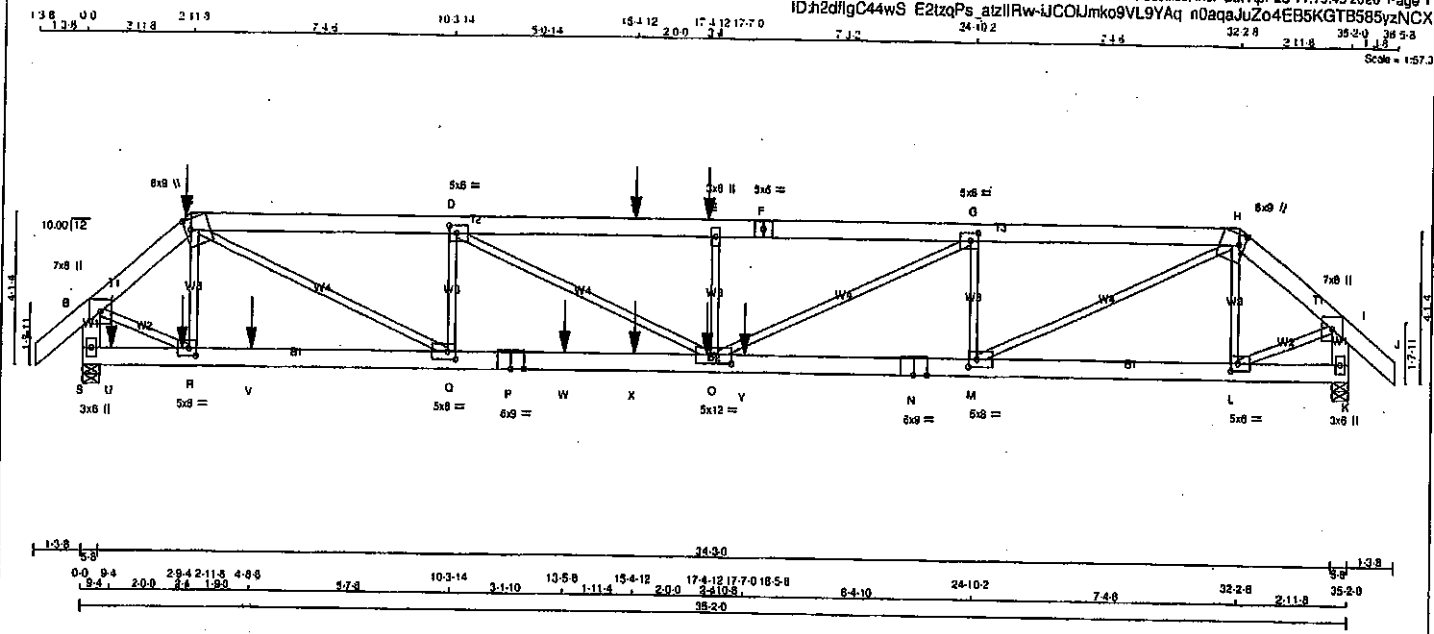


Structural component only
DWG# T-2007081 3/1

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	T20Z	1	2	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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ID:h2df1gC44wS E2tzqPs_atzllRw-ijCOUmko9VL9YAq n0aqaJuZo4EB5KGTB585yzNCX



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x8 DRY No.2	SPF			
F - H	2x8 DRY No.2	SPF			
H - J	2x8 DRY No.2	SPF			
S - B	2x8 DRY No.2	SPF			
K - I	2x8 DRY No.2	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)

F-H 2 12 SIDE(183.1)

H-J 2 12 TOP

S-B 2 12 TOP

K-I 2 12 TOP

BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS

S-P 2 12 SIDE(183.1)

P-N 2 12 SIDE(183.1)

N-K 2 12 TOP

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 GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT		RECORD	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	BRG	IN-SX	BRG
S	4991	0	4991	0	0	5-8	5-8	5-8	5-8
K	3694	0	3694	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS		1ST LCASE		MAX/MIN. COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND
S	3528	2323 / 0	0 / 0	0 / 0	0 / 0
K	2608	1737 / 0	0 / 0	0 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.20 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		MAX. FACTORED		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT.	LOAD LC1 (PLF)	MAX.	CS1 (LC)	MEMB.	FORCE (LBS)	MAX.	CS1 (LC)
FR-TO		FROM	TO			FR-TO			
A-B	0 / 42	-91.8	-91.8 0.04 (1)	10.00	R-C	-253 / 44	0.03 (1)		
B-C	-5342 / 0	-91.8	-91.8 0.07 (1)	5.02	C-D	0 / 6569	0.81 (1)		
C-D	-9871 / 0	-91.8	-91.8 0.39 (1)	3.54	D-E	-1958 / 0	0.23 (1)		
D-E	-12379 / 0	-91.8	-91.8 0.52 (1)	3.20	E-F	0 / 2694	0.33 (1)		
E-F	-12379 / 0	-91.8	-91.8 0.52 (1)	3.20	F-G	-782 / 0	0.09 (1)		
F-G	-12379 / 0	-91.8	-91.8 0.49 (1)	3.23	G-H	0 / 4229	0.52 (1)		
G-H	-8589 / 0	-91.8	-91.8 0.33 (1)	3.93	H-I	-2619 / 0	0.31 (1)		
H-I	-3750 / 0	-91.8	-91.8 0.06 (1)	5.78	I-J	0 / 6416	0.79 (1)		
I-J	0 / 42	-91.8	-91.8 0.04 (1)	10.00	J-K	-864 / 0	0.10 (1)		
J-K	-5197 / 0	0.0	0.0 0.19 (1)	6.41	K-L	0 / 4341	0.54 (1)		
K-L	-3727 / 0	0.0	0.0 0.13 (1)	7.30	L-M	0 / 3047	0.38 (1)		
S-U	0 / 0	-18.5	-18.5 0.20 (1)	10.00	U-R	0 / 0			
U-R	0 / 0	-18.5	-18.5 0.20 (1)	10.00	R-V	0 / 4073			
R-V	0 / 4073	-18.5	-18.5 0.36 (1)	10.00	V-Q	0 / 4073			
V-Q	0 / 4073	-18.5	-18.5 0.36 (1)	10.00	Q-P	0 / 9971			
Q-P	0 / 9971	-18.5	-18.5 0.73 (1)	10.00	P-W	0 / 9971			
P-W	0 / 9971	-18.5	-18.5 0.73 (1)	10.00	W-X	0 / 9971			
W-X	0 / 9971	-18.5	-18.5 0.73 (1)	10.00	X-O	0 / 9971			
X-O	0 / 9971	-18.5	-18.5 0.73 (1)	10.00	O-Y	0 / 8800			
O-Y	0 / 8800	-18.5	-18.5 0.58 (1)	10.00	Y-N	0 / 8800			
Y-N	0 / 8800	-18.5	-18.5 0.58 (1)	10.00	N-M	0 / 8600			
N-M	0 / 8600	-18.5	-18.5 0.58 (1)	10.00	M-L	0 / 2839			
M-L	0 / 2839	-18.5	-18.5 0.18 (1)	10.00	L-K	0 / 0			
L-K	0 / 0	-18.5	-18.5 0.05 (1)	10.00					

FACTORED CONCENTRATED LOADS (LBS)		LOC.		MAX.		FACE		DIR.		TYPE		HEEL		CONN.	
JT	LOC.	LC1	MAX.	MAX.	FRONT	VERT	DEAD	TYPE	HEEL	CONN.					
C	2-11-8	-38	-42	---	---	---	---	---	---	---	---	---	---	---	---
C	2-11-8	-117	-117	---	---	---	---	---	---	---	---	---	---	---	---
C	2-11-8	-191	-191	---	---	---	---	---	---	---	---	---	---	---	---
E	17-4-12	-110	-110	---	---	---	---	---	---	---	---	---	---	---	---
O	17-4-12	-28	-28	---	---	---	---	---	---	---	---	---	---	---	---
R	2-9-4	-28	-28	---	---	---	---	---	---	---	---	---	---	---	---
T	15-4-12	-110	-110	---	---	---	---	---	---	---	---	---	---	---	---
U	9-4	-29	-29	---	---	---	---	---	---	---	---	---	---	---	---
V	4-8-8	-1068	-1068	---	---	---	---	---	---	---	---	---	---	---	---
W	13-5-8	-1068	-1068	---	---	---	---	---	---	---	---	---	---	---	---
X	15-4-12	-28	-28	---	---	---	---	---	---	---	---	---	---	---	---
Y	18-5-8	-1738	-1738	---	---	---	---	---	---	---	---	---	---	---	---

TOTAL WEIGHT = 2 X 183 = 365 LBS

DESIGN CRITERIA

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

SPECIFIED LOADS:
TOP CH. LL = 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/G

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

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

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = L/999 (0.33")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/685 (0.62")

CSI: TC=0.52/1.00 (D-E:1), SC=0.73/1.00 (D-C:1), WB=0.81/1.00 (C-Q:1), SSI=0.57/1.00 (M-O: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
MT20 618 354 1667 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

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



Structural component only
DWG# T-2007082 1/2

CONTINUED ON PAGE 2

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

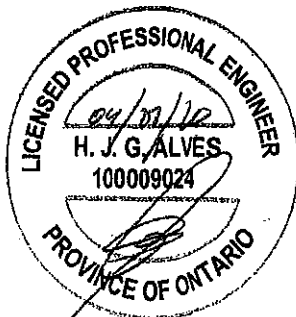
Version 6.310 8 Oct 29 2019 MITek Industries, Inc. Sat Apr 25 11:19:45 2020 Page 2
ID:h2dflgC44wS E2lzaPs atzllRw-LCOUmkogVL9YAq nQagaJuZo4EB5KGTB585vzNCX

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-l	MT20	5.0	8.0	2.50	2.50
E	TMW+w	MT20	3.0	6.0		
F	TS-l	MT20	5.0	8.0		
G	TMWW-l	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	6.0		
L	BMWW-l	MT20	5.0	8.0	2.50	2.25
M	BMWW-l	MT20	5.0	8.0	2.50	2.75
N	BS-l	MT20	6.0	9.0		
O	BMWWW-l	MT20	5.0	12.0	2.75	6.00
P	BS-l	MT20	8.0	9.0		
Q	BMWW-l	MT20	5.0	8.0	2.50	2.75
R	BMWW-l	MT20	5.0	8.0	2.50	2.25
S	BMV1+p	MT20	3.0	6.0		

CONNECTION REQUIREMENTS

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

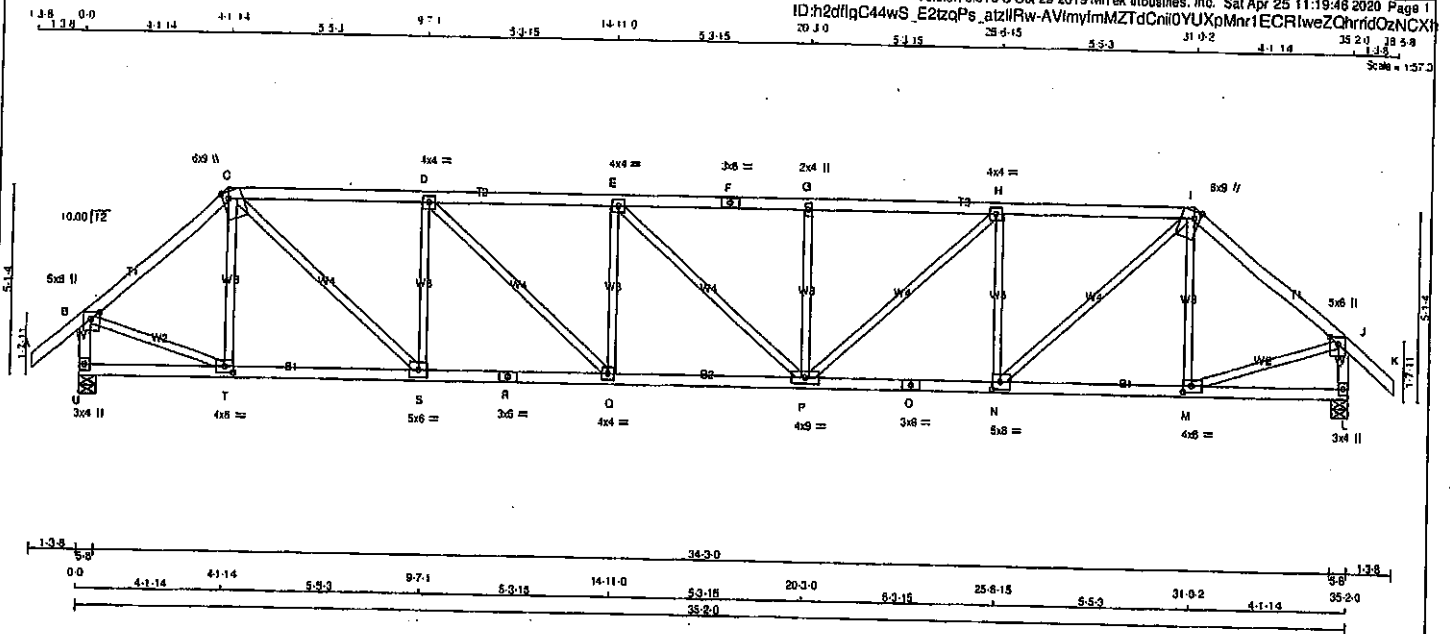


Structural component only
DWG# T-2007082

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
408151	T21	2	1	GREEN PARK HOMES		

Tamarack Roof Truss, Burlington

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

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

PLATES (Table in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW+p	MT20	5.0	8.0	Edge 2.75	
C TTWW+m	MT20	6.0	9.0	Edge 1.75	
D, E, H					
D TMVW-t	MT20	4.0	4.0		
F TS-t	MT20	3.0	8.0		
G TMVW-w	MT20	2.0	4.0		
I TTWW+m	MT20	6.0	9.0	Edge 1.75	
J TMVW+p	MT20	5.0	8.0	Edge 2.75	
L BMV1+p	MT20	3.0	4.0		
M BMVW-t	MT20	4.0	8.0	2.00 2.75	
N BMVW-t	MT20	5.0	8.0	2.50 2.75	
O BS-t	MT20	3.0	8.0		
P BMVW-t	MT20	4.0	9.0		
Q BMVW-t	MT20	4.0	4.0		
R BS-t	MT20	3.0	8.0		
S BMVW-t	MT20	5.0	8.0		
T BMVW-t	MT20	4.0	8.0	2.00 2.75	
U 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	RECORD BRG
JT VERT	2088	2088	0	0
U VERT	2088	2088	0	0
L VERT	2088	2088	0	0

UNFACTORED REACTIONS

1ST CASE	MAX/MIN COMPONENT REACTIONS						
JT COMBINED	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL	
U	1458	971 / 0	0 / 0	0 / 0	488 / 0	0 / 0	
L	1458	971 / 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)	VERT. LOAD (PLF)	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
FR-TO				FR-TO			
A-B	0 / 41	-91.8	-91.8	0.13 (1)	10.00	T-C	-358 / 0
B-C	-1960 / 0	-91.8	-91.8	0.36 (1)	4.48	C-S	0 / 1836
C-D	-2871 / 0	-91.8	-91.8	0.57 (1)	3.59	S-D	-1118 / 0
D-E	-3508 / 0	-91.8	-91.8	0.85 (1)	3.21	D-Q	0 / 856
E-F	-3508 / 0	-91.8	-91.8	0.53 (1)	3.36	Q-E	-475 / 0
F-G	-3508 / 0	-91.8	-91.8	0.53 (1)	3.36	E-P	-2 / 0
G-H	-3508 / 0	-91.8	-91.8	0.86 (1)	3.20	P-G	-474 / 0
H-I	-2871 / 0	-91.8	-91.8	0.57 (1)	3.59	P-H	0 / 853
I-J	-1960 / 0	-91.8	-91.8	0.36 (1)	4.48	H-N	-1117 / 0
J-K	0 / 41	-91.8	-91.8	0.13 (1)	10.00	N-I	0 / 1837
U-B	-2037 / 0	0.0	0.0	0.22 (1)	5.92	M-I	-358 / 0
L-J	-2037 / 0	0.0	0.0	0.22 (1)	5.92	B-T	0 / 1571
						M-J	0 / 1571
U-T	0 / 0	-18.5	-18.5	0.10 (4)	10.00		
T-S	0 / 1494	-18.5	-18.5	0.30 (1)	10.00		
S-R	0 / 2871	-18.5	-18.5	0.51 (1)	10.00		
R-Q	0 / 2871	-18.5	-18.5	0.51 (1)	10.00		
Q-P	0 / 3508	-18.5	-18.5	0.82 (1)	10.00		
P-O	0 / 2872	-18.5	-18.5	0.51 (1)	10.00		
O-N	0 / 2872	-18.5	-18.5	0.51 (1)	10.00		
N-M	0 / 1494	-18.5	-18.5	0.30 (1)	10.00		
M-L	0 / 0	-18.5	-18.5	0.10 (4)	10.00		

TOTAL WEIGHT = 2 X 147 = 293 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. OC

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, NBC0 2010, NBC0 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBC0 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.I. 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 (0.20")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/999 (0.39")

CSI: TC=0.86/1.00 (G-H-I), BC=0.82/1.00 (P-Q-I),
WB=0.43/1.00 (D-S-I), SS=0.23/1.00 (H-I-I)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

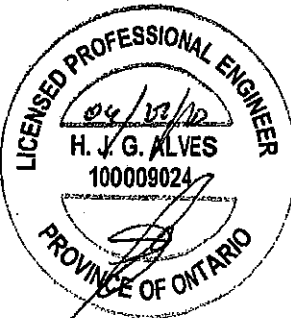
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX MIN	MAX MIN	MAX MIN	
MT20	618 354	1887 788	1887 1858

PLATE PLACEMENT TOL. = 0.250 inches

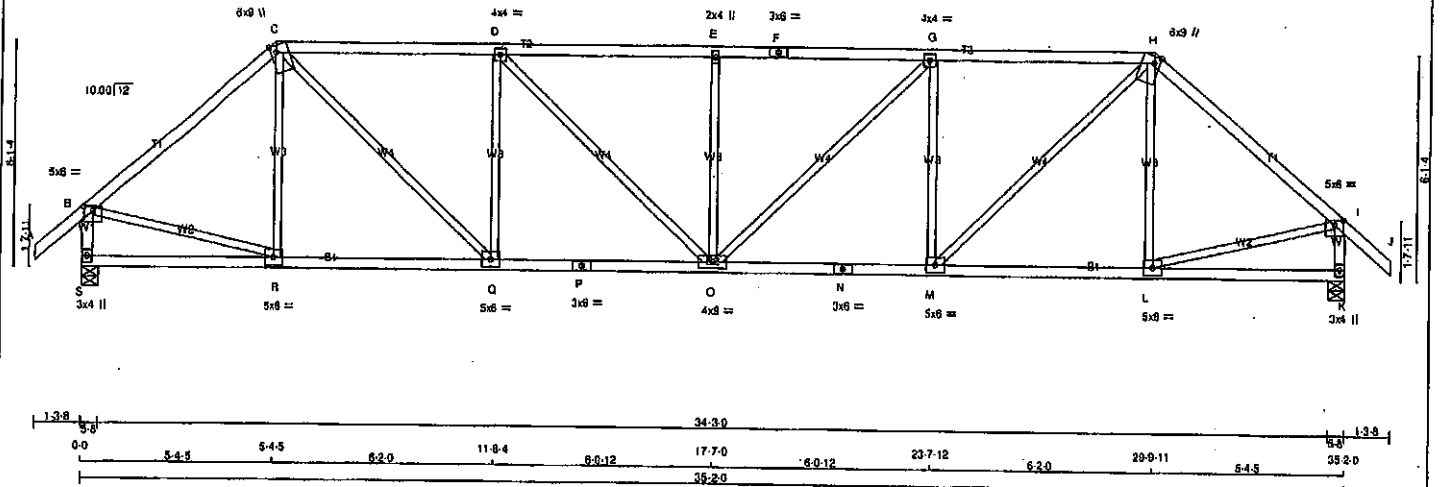
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.90 (S) (INPUT = 0.90)
JSI METAL = 0.90 (O) (INPUT = 1.00)



Structural component only
DWG# T-2007083

JOB NAME 408151	TRUSS NAME T22	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 11:19:47 2020 Page 1	
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13.8 0.0 5.4-5 5.4-5 6.20 11.6-4 6.0-12 17.70 6.0-12 23.7-12 6.20 29.9-11 5.4-5 33-20 38-38 13.8				Scale = 1:57.4	



LUMBER			
N. L. O. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
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
J - L	2x4 DRY	No.2	SPF
L - M	2x4 DRY	No.2	SPF
M - N	2x4 DRY	No.2	SPF
N - K	2x4 DRY	No.2	SPF
ALL WEBS EXCEPT	2x3 DRY	No.2	SPF

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW-p	MT20	5.0	6.0	1.50 3.00
C	TTWW-am	MT20	6.0	9.0	Edge 1.75
D	TMVW-t	MT20	4.0	4.0	
E	TMVW-w	MT20	2.0	4.0	
F	TS-t	MT20	3.0	6.0	
G	TMVW-t	MT20	4.0	4.0	
H	TTWW-am	MT20	6.0	9.0	Edge 1.75
I	TMVW-p	MT20	5.0	6.0	1.50 3.00
K	BMV1-p	MT20	3.0	4.0	
L, M, Q, R					
L	BMVW-t	MT20	5.0	6.0	
N	BS-t	MT20	3.0	6.0	
O	BMVW-t	MT20	4.0	9.0	
P	BS-t	MT20	3.0	6.0	
S	BMV1-p	MT20	3.0	4.0	

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

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

BEARINGS							
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
S	2068	0	2068	0	0	5-8	5-8
K	2068	0	2068	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN	COMPONENT REACTIONS
S	COMBINED	SNOW	LIVE PERM.LIVE WIND DEAD SOIL
K	1458	971 / 0	0 / 0 0 / 0 488 / 0 0 / 0
K	1458	971 / 0	0 / 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.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MEMB.
FR-TO				FR-TO			
A-B	0 / 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 0.64 (1)	4.11	C-Q	0 / 1538	0.35 (1)
C-D	-2653 / 0	-91.8	-91.8 0.74 (1)	3.50	Q-D	-943 / 0	0.55 (1)
D-E	-2978 / 0	-91.8	-91.8 0.78 (1)	3.28	D-O	0 / 450	0.10 (1)
E-F	-2978 / 0	-91.8	-91.8 0.78 (1)	3.28	O-E	-513 / 0	0.30 (1)
F-G	-2978 / 0	-91.8	-91.8 0.78 (1)	3.28	O-G	0 / 450	0.10 (1)
G-H	-2653 / 0	-91.8	-91.8 0.74 (1)	3.50	M-G	-943 / 0	0.55 (1)
H-I	-2004 / 0	-91.8	-91.8 0.64 (1)	4.11	M-H	0 / 1538	0.35 (1)
I-J	0 / 41	-91.8	-91.8 0.13 (1)	10.00	L-H	-248 / 7	0.14 (1)
S-B	-2026 / 0	0.0	0.0 0.22 (1)	5.94	B-R	0 / 1590	0.36 (1)
K-I	-2026 / 0	0.0	0.0 0.22 (1)	5.94	L-I	0 / 1590	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			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.16")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.29")

CSI: 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

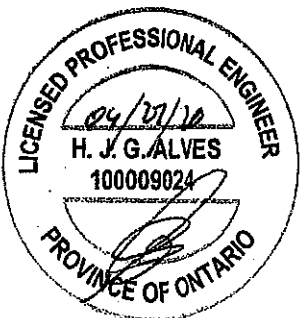
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

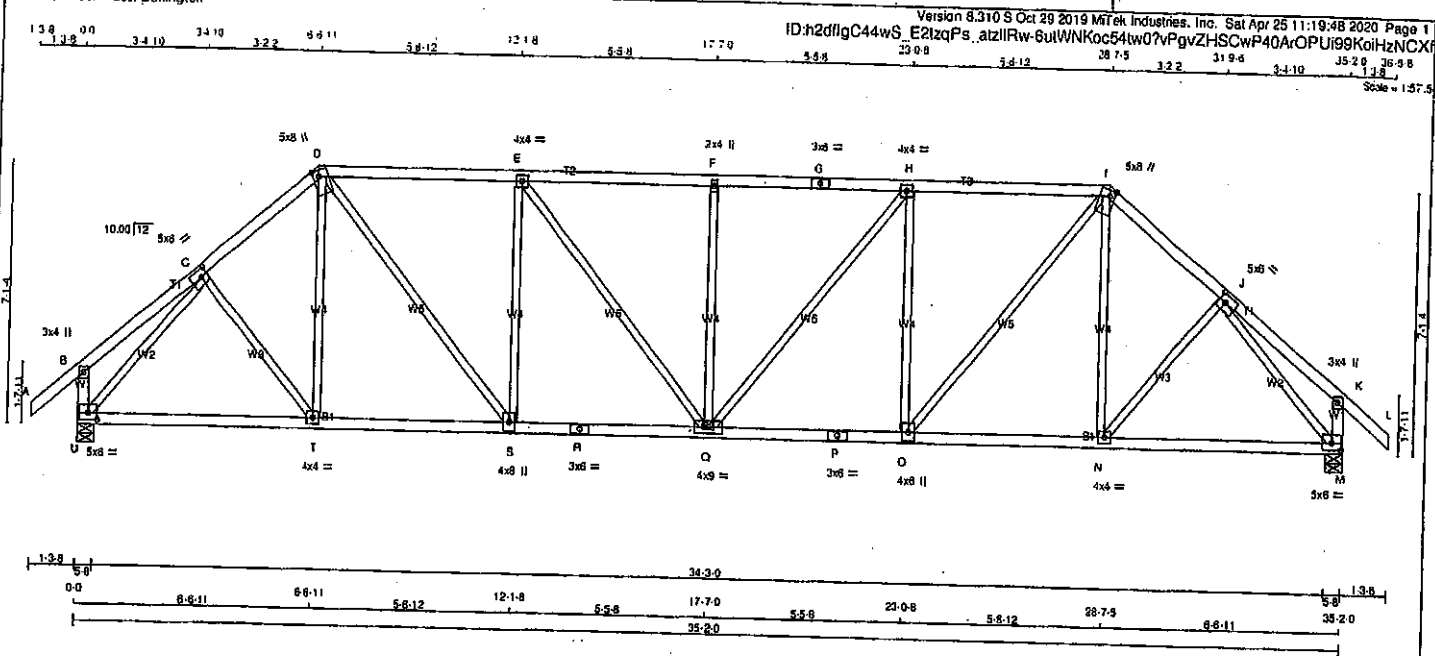
PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2007084

JOB NAME 408151	TRUSS NAME T23	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	No.2
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
G - I	2x4	DRY	No.2
I - L	2x4	DRY	No.2
U - B	2x4	DRY	No.2
M - K	2x4	DRY	No.2
U - R	2x4	DRY	No.2
R - P	2x4	DRY	No.2
P - M	2x4	DRY	No.2

ALL WEBS 2x3 DRY No.2

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMW+p	MT20	3.0	4.0	
C	TMWV-1	MT20	5.0	6.0	2.50 2.25
D	TTWV+m	MT20	5.0	8.0	2.00 1.75
E	TMWV-1	MT20	4.0	4.0	
F	TMWV-1	MT20	2.0	4.0	
G	TS-1	MT20	3.0	6.0	
H	TMWV-1	MT20	4.0	4.0	
I	TTWV+m	MT20	5.0	8.0	2.00 1.75
J	TMWV-1	MT20	5.0	6.0	2.50 2.25
K	TMV-p	MT20	3.0	4.0	
L	BMWV-1	MT20	5.0	6.0	2.25 3.00
M	BMWV-1	MT20	4.0	4.0	
N	BMWV-1	MT20	4.0	6.0	
O	BS-1	MT20	3.0	6.0	
P	BS-1	MT20	4.0	9.0	
Q	BS-1	MT20	3.0	6.0	
R	BS-1	MT20	4.0	6.0	
S	BS-1	MT20	4.0	4.0	
T	BS-1	MT20	5.0	6.0	2.25 3.00
U	BS-1	MT20	5.0	6.0	2.25 3.00

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
U	2068	0	0	5-8
M	2068	0	0	5-8

UNFACTORED REACTIONS

	1ST LGASE	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
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 (LBS)	MAX. FACTORED (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED (LBS)	MAX. FACTORED (LBS)
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	0/41	-91.8	-91.8 0.13 (1)	10.00	C-T	0/158	0.04 (1)
B-C	0/19	-91.8	-91.8 0.14 (1)	10.00	T-D	0/78	0.03 (4)
C-D	-2023/0	-91.8	-91.8 0.20 (1)	4.59	D-S	0/1220	0.27 (1)
D-E	-2308/0	-91.8	-91.8 0.55 (1)	3.94	S-E	-850/0	0.74 (1)
E-F	-2534/0	-91.8	-91.8 0.57 (1)	3.77	E-Q	0/361	0.08 (1)
F-G	-2534/0	-91.8	-91.8 0.57 (1)	3.77	Q-F	-481/0	0.40 (1)
G-H	-2534/0	-91.8	-91.8 0.57 (1)	3.77	H-Q	0/361	0.08 (1)
H-I	-2308/0	-91.8	-91.8 0.55 (1)	3.94	C-H	-850/0	0.74 (1)
I-J	-2023/0	-91.8	-91.8 0.20 (1)	4.59	O-I	0/1220	0.27 (1)
J-K	0/19	-91.8	-91.8 0.14 (1)	10.00	N-I	0/78	0.03 (4)
K-L	0/41	-91.8	-91.8 0.13 (1)	10.00	N-J	0/158	0.04 (1)
L-U	-248/0	0.0	0.0 0.03 (1)	7.81	U-C	-2277/0	0.98 (1)
M-K	-248/0	0.0	0.0 0.03 (1)	7.81	J-M	-2277/0	0.98 (1)
U-T	0/1433	-18.5	-18.5 0.33 (1)	10.00			
T-S	0/1535	-18.5	-18.5 0.35 (1)	10.00			
S-R	0/2308	-18.5	-18.5 0.42 (1)	10.00			
R-Q	0/2308	-18.5	-18.5 0.42 (1)	10.00			
Q-P	0/2308	-18.5	-18.5 0.42 (1)	10.00			
P-O	0/2308	-18.5	-18.5 0.42 (1)	10.00			
O-N	0/1535	-18.5	-18.5 0.35 (1)	10.00			
N-M	0/1433	-18.5	-18.5 0.33 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. 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, 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

(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 (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")

CSK TG = 0.57/1.00 (E-F:1), BC = 0.42/1.00 (C-Q:1), WB = 0.88/1.00 (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

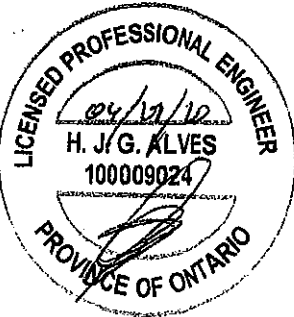
MT20 618 354 1667 789 1937 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRP = 0.89 (I) (INPUT = 0.90)

JSI METAL = 0.72 (F) (INPUT = 1.00)

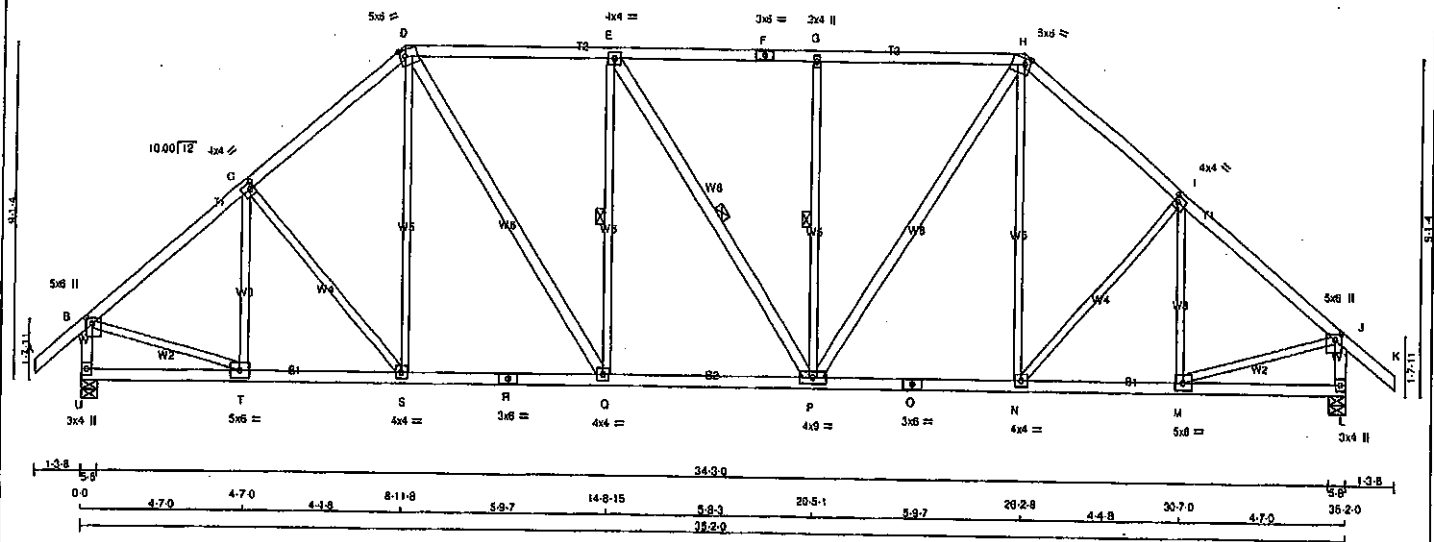


Structural component only
DWG# T-2007085

Structural component only
DWG# T-2007086

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

Version 8.310 S Oct 29 2019 MITek Industries, Inc. Sat Apr 25 11:19:50 2020 Page 1
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 13.8 3.0 4.70 4.70 4.38 8.118 5.97 14.815 5.83 20.51 5.97 20.28 4.48 30.70 4.70 35.20 36.58
 Scale = 1/57.3



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
U - B	2x4	DRY	No.2
L - J	2x4	DRY	No.2
U - R	2x4	DRY	No.2
R - O	2x4	DRY	No.2
O - L	2x4	DRY	No.2
ALL WEBS EXCEPT	2x3	DRY	No.2
D - Q	2x4	DRY	No.2
E - P	2x4	DRY	No.2
P - H	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table in inches)	W	LEN	Y	X
JT TYPE PLATES				
B TMWW+p MT20	5.0	8.0	2.00	2.00
C TMWW-i MT20	4.0	4.0	2.00	1.25
D TTWW-m MT20	5.0	8.0	2.00	1.75
E TMWW-i MT20	4.0	4.0		
F TS-i MT20	3.0	6.0		
G TMWW-w MT20	2.0	4.0		
H TTWW-m MT20	5.0	8.0	2.00	1.75
I TMWW-i MT20	4.0	4.0	2.00	1.25
J TMWW+p MT20	5.0	8.0	2.00	2.00
L BMWl+p MT20	3.0	4.0		
M BMWW-i MT20	5.0	8.0		
N, O, S				
N BMWW-i MT20	4.0	4.0		
O BS-i MT20	3.0	6.0		
P BMWWW-i MT20	4.0	4.0		
R BS-i MT20	3.0	6.0		
T BMWW-i MT20	5.0	8.0		
U BMWl+p MT20	3.0	4.0		

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT VERT	2088	2088	0	0
U VERT	2088	2088	0	0
L VERT	2088	2088	0	0
JT HORIZ	0	0	5.8	5.8
U HORIZ	0	0	5.8	5.8
L HORIZ	0	0	5.8	5.8

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 = 4.44 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, E-P, G-F.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	FACTORED HORIZ. LOAD (LBS)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	FACTORED HORIZ. LOAD (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO					FR-TO				
A-B	0 / 41	-91.8	-91.8	0.13 (1)	10.00	T-C	-357 / 0	0.18 (1)	
B-C	-1994 / 0	-91.8	-91.8	0.30 (1)	4.53	Q-S	-121 / 0	0.10 (1)	
C-D	-1857 / 0	-91.8	-91.8	0.29 (1)	4.57	S-D	0 / 188	0.05 (4)	
D-E	-1923 / 0	-91.8	-91.8	0.40 (1)	4.44	D-Q	0 / 810	0.13 (1)	
E-F	-1921 / 0	-91.8	-91.8	0.37 (1)	4.49	Q-E	-569 / 0	0.31 (1)	
F-G	-1921 / 0	-91.8	-91.8	0.37 (1)	4.49	E-P	-3 / 0	0.00 (1)	
G-H	-1921 / 0	-91.8	-91.8	0.40 (1)	4.45	P-G	-568 / 0	0.31 (1)	
H-I	-1957 / 0	-91.8	-91.8	0.29 (1)	4.57	P-H	0 / 807	0.13 (1)	
I-J	-1994 / 0	-91.8	-91.8	0.30 (1)	4.53	N-H	0 / 189	0.05 (4)	
J-K	0 / 41	-91.8	-91.8	0.13 (1)	10.00	N-I	-121 / 0	0.10 (1)	
U-B	-2028 / 0	0.0	0.0	0.22 (1)	5.94	M-I	-358 / 0	0.16 (1)	
L-J	-2028 / 0	0.0	0.0	0.22 (1)	5.94	B-T	0 / 1617	0.38 (1)	
U-T	0 / 0	-18.5	-18.5	0.08 (4)	10.00	M-J	0 / 1617	0.38 (1)	
T-S	0 / 1555	-18.5	-18.5	0.30 (1)	10.00				
S-R	0 / 1477	-18.5	-18.5	0.30 (1)	10.00				
R-Q	0 / 1477	-18.5	-18.5	0.30 (1)	10.00				
Q-P	0 / 1923	-18.5	-18.5	0.38 (1)	10.00				
P-O	0 / 1478	-18.5	-18.5	0.30 (1)	10.00				
O-N	0 / 1478	-18.5	-18.5	0.30 (1)	10.00				
N-M	0 / 1555	-18.5	-18.5	0.31 (1)	10.00				
M-L	0 / 0	-18.5	-18.5	0.08 (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

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/999 (0.08")
 ALLOWABLE DEFL.(TL) = L/360 (1.17")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.18")

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

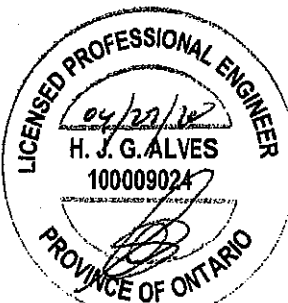
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

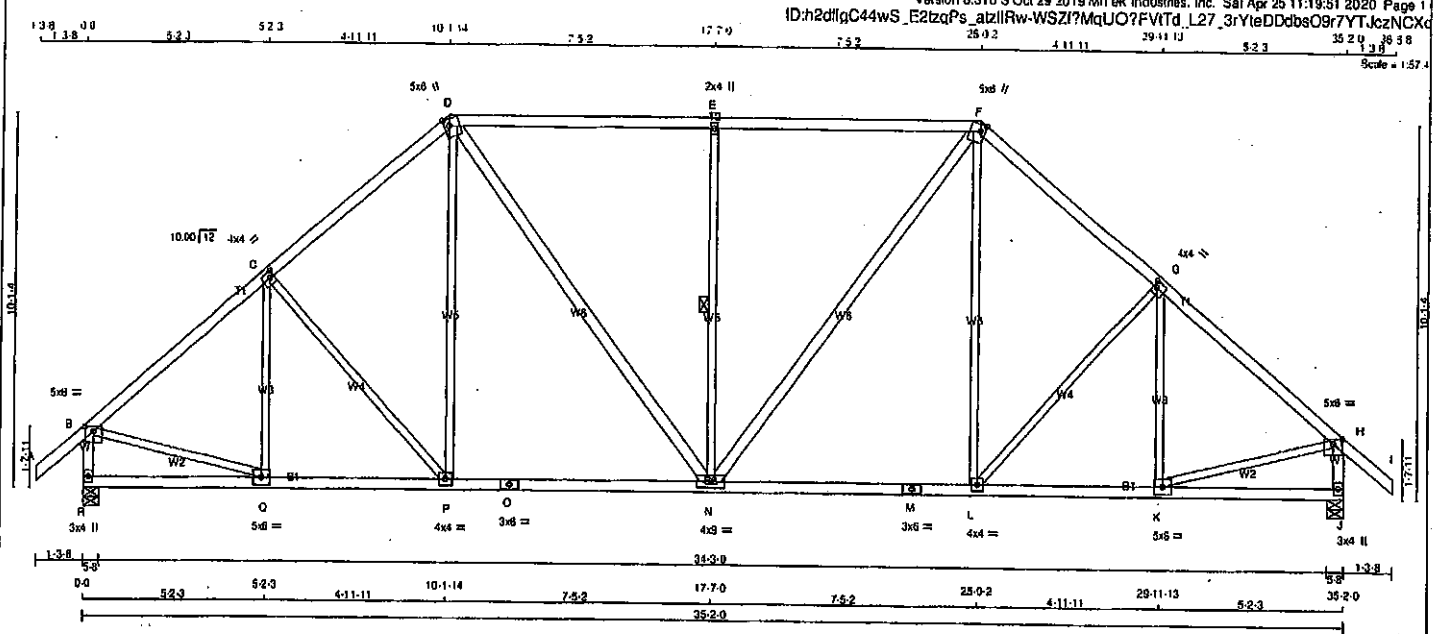
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP=0.89 (B) (INPUT = 0.80)
 JSI METAL=0.50 (C) (INPUT = 1.00)



Structural component only
 DWG# T-2007087



LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.50	3.00
C	TMVW-i	MT20	4.0	4.0	2.00	1.25
D	TTWW+m	MT20	5.0	6.0	2.25	1.50
E	TMVW-w	MT20	2.0	4.0		
F	TTWW+m	MT20	5.0	6.0	2.25	1.50
G	TMVW-i	MT20	4.0	4.0	2.00	1.25
H	TMVW-p	MT20	5.0	6.0	1.50	3.00
J	BMV1-p	MT20	3.0	4.0		
K	BMVW-i	MT20	5.0	6.0		
L	BMVW-i	MT20	4.0	4.0		
M	BMVW-i	MT20	3.0	6.0		
N	BS-1	MT20	4.0	4.0		
O	BS-1	MT20	3.0	6.0		
P	BMVW-i	MT20	4.0	4.0		
Q	BMVW-i	MT20	5.0	6.0		
R	BMV1-p	MT20	3.0	4.0		

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	UPLIFT	IN-SX
R	2068	0	0	5-8
J	2068	0	0	5-8

<u>UNFACTORED REACTIONS</u>							
	1ST CASE	<u>MAX/MIN. COMPONENT REACTIONS</u>					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	1458	971/0	0/0	0/0	0/0	488/0	0/0
J	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) 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				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	0/41	-91.8	-91.8 0.13 (1)	Q-C	-302/0	0.17 (1)	
B-C	-2021/0	-91.8	-91.8 0.39 (1)	Q-P	-217/0	0.25 (1)	
C-D	-1808/0	-91.8	-91.8 0.37 (1)	P-D	0/278	0.08 (1)	
D-E	-1809/0	-91.8	-91.8 0.74 (1)	D-N	0/615	0.10 (1)	
E-F	-1809/0	-91.8	-91.8 0.74 (1)	N-E	-838/0	0.58 (1)	
F-G	-1908/0	-91.8	-91.8 0.37 (1)	N-F	0/615	0.10 (1)	
G-H	-2021/0	-91.8	-91.8 0.39 (1)	L-F	0/278	0.08 (1)	
H-I	0/41	-91.8	-91.8 0.13 (1)	L-G	-217/0	0.25 (1)	
I-B	-2024/0	0.0	0.0 0.22 (1)	K-G	-302/0	0.17 (1)	
J-H	-2024/0	0.0	0.0 0.22 (1)	B-Q	0/1629	0.37 (1)	
				K-H	0/1629	0.37 (1)	
R-Q	0/0	-18.5	-18.5 0.10 (4)				
Q-P	0/1580	-18.5	-18.5 0.34 (1)				
P-O	0/1437	-18.5	-18.5 0.35 (1)				
O-N	0/1437	-18.5	-18.5 0.35 (1)				
N-M	0/1437	-18.5	-18.5 0.35 (1)				
M-L	0/1437	-18.5	-18.5 0.35 (1)				
L-K	0/1580	-18.5	-18.5 0.34 (1)				
K-J	0/0	-18.5	-18.5 0.10 (4)				

DESIGN CRITERIA

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

SPACING = 24.0 IN. 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, NBCC 2010, NBCC 2015

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

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

ALLOWABLE DEFL. (LL) = L/360 (1.17)
CALCULATED VERT. DEFL. (LL) = U/999 (0.08)
ALLOWABLE DEFL. (TL) = L/360 (1.17)
CALCULATED VERT. DEFL. (TL) = U/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 1656

PLATE PLACEMENT TOL. = 0.250 inches

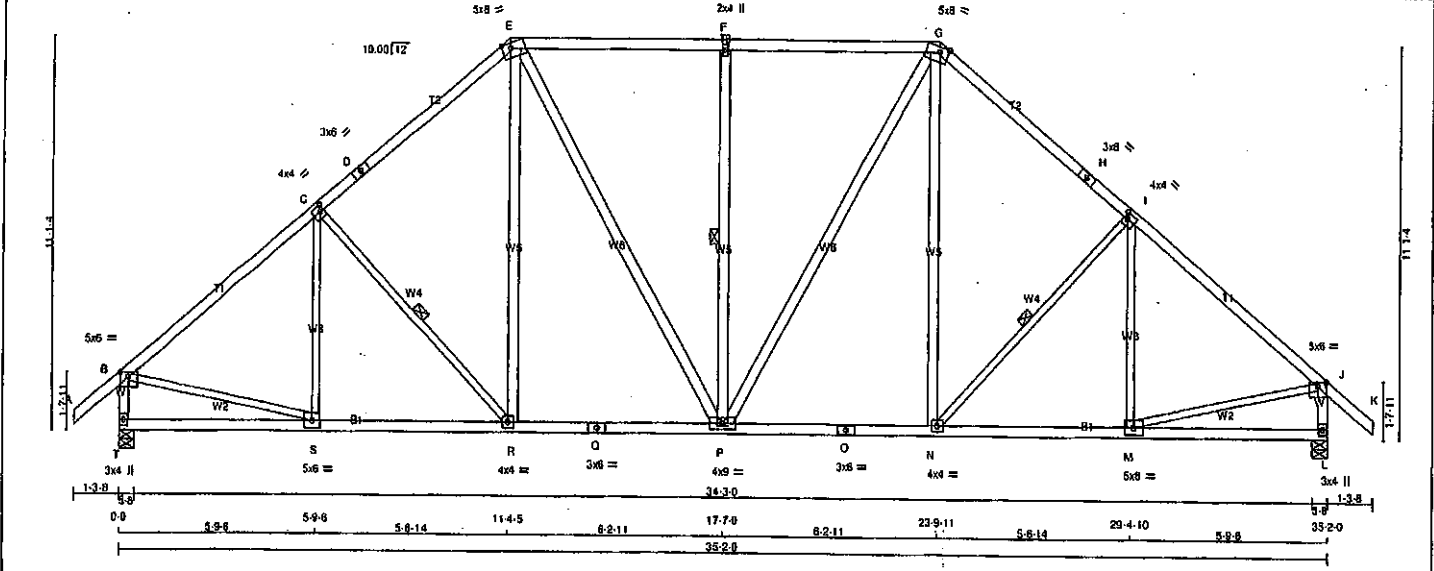
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.89 (B) (INPUT = 0.90)
JSI METAL = 0.48 (M) (INPUT = 1.00)



Structural component only
DWG# T-2007088

Tamarack Roof Truss, Burlington Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Sat Apr 25 11:19:53 2020 Page 1
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LUMBER

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

ORY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.50	3.00
C	TMVW-I	MT20	4.0	4.0	2.00	1.25
D	TS-I	MT20	3.0	6.0		
E	TTVW-m	MT20	5.0	8.0	Edge	3.00
F	TMVW-w	MT20	2.0	4.0		
G	TTVW-m	MT20	5.0	8.0	Edge	3.00
H	TS-I	MT20	3.0	6.0		
I	TMVW-I	MT20	4.0	4.0	2.00	1.25
J	TMVW-p	MT20	5.0	6.0	1.50	3.00
L	BMVW-I	MT20	3.0	4.0		
M	BMVW-I	MT20	5.0	8.0		
N	BMVW-I	MT20	4.0	4.0		
O	BS-I	MT20	3.0	8.0		
P	BMVWVW-I	MT20	4.0	9.0		
Q	BS-I	MT20	3.0	8.0		
R	BMVW-I	MT20	4.0	4.0		
S	BMVW-I	MT20	5.0	8.0		
T	BMVW-I	MT20	3.0	4.0		

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT 2088	HORZ 0	DOWN 2088	HORZ 0
T	2088	0	2088	0
L	2088	0	2088	0

UNFACTORED REACTIONS

	1ST CASE	MAX. MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
JT	1458	971 / 0	0 / 0	0 / 0	488 / 0
T	1458	971 / 0	0 / 0	0 / 0	488 / 0
L	1458	971 / 0	0 / 0	0 / 0	488 / 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 G-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 LC1 (PLF)	MAX. FACTORED VERT. LOAD LC1 (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD LC1 (LC)
FR-TO	0 / 41	-91.8	-91.8	0.13 (1)	10.00	S-C	-245 / 10
A-B	-2039 / 0	-91.8	-91.8	0.50 (1)	4.27	C-R	-314 / 0
B-C	-1844 / 0	-91.8	-91.8	0.48 (1)	4.47	R-E	0 / 338
C-D	-1844 / 0	-91.8	-91.8	0.48 (1)	4.47	E-P	0 / 489
D-E	-1621 / 0	-91.8	-91.8	0.50 (1)	4.80	P-F	-699 / 0
E-F	-1621 / 0	-91.8	-91.8	0.50 (1)	4.80	P-G	0 / 489
F-G	-1844 / 0	-91.8	-91.8	0.48 (1)	4.47	N-G	0 / 338
G-H	-1844 / 0	-91.8	-91.8	0.48 (1)	4.47	N-I	-314 / 0
H-I	-2039 / 0	-91.8	-91.8	0.50 (1)	4.27	M-I	-245 / 10
I-J	-2039 / 0	-91.8	-91.8	0.13 (1)	10.00	B-S	0 / 1637
J-K	0 / 41	0.0	0.0	0.21 (1)	5.94	M-J	0 / 1637
T-B	-2021 / 0	0.0	0.0	0.21 (1)	5.94		
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 / 1597	-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 180 = 360 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

LOADING IN FLAT SECTION BASED ON A SLOPE OF 5.00/12

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, 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), SS=0.28/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

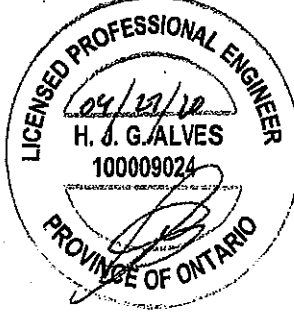
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

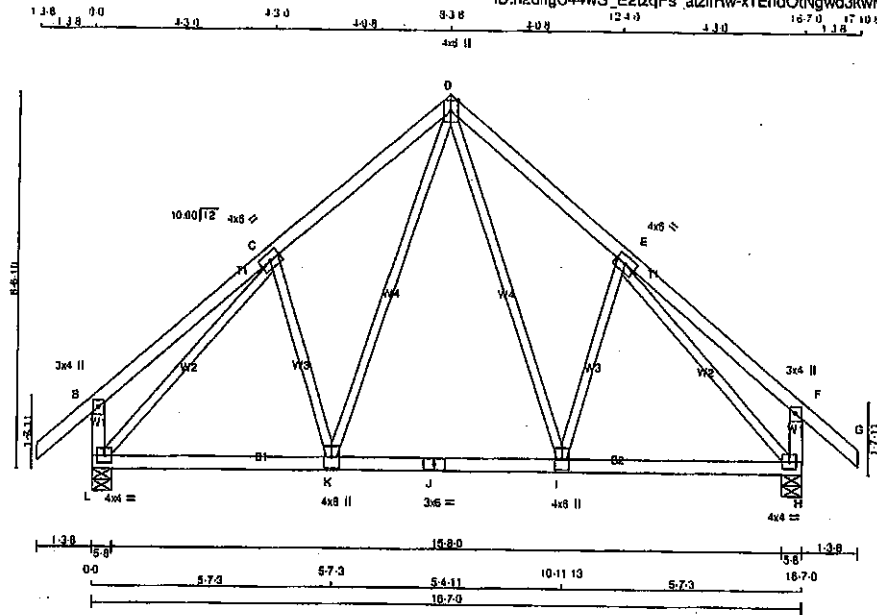
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (J) (INPUT = 0.90)
JSI METAL= 0.47 (O) (INPUT = 1.00)



Structural component only
DWG# T-2007089

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	T28	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
Version 8.310 5 Oct 29 2019 Mitek Industries, Inc. Sat Apr 25 11:19:54 2020 Page 1					
ID:h2dflgC44wS_E2bzqPs_atzllRw-x1EndQNGwd3kwmZ0AghhTAWTQH0cB7b5n7vxzNCXZ					
Scale: 1/4" = 1'					



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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (tab/ole in inches)	PLATES	W	LEN	Y	X
B TMV+p	MT20	3.0	4.0		
C TMWW-i	MT20	4.0	8.0		
D TTWW+p	MT20	4.0	8.0	Edge	
E TMWW-i	MT20	4.0	8.0		
F TMV+p	MT20	3.0	4.0		
H BMWW-i	MT20	4.0	4.0		
I BMWW-i	MT20	4.0	8.0		
J BS-i	MT20	3.0	8.0		
K BMWW-i	MT20	4.0	8.0		
L BMWW-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	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 LCASE	MAX/MIN COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	734	495 / 0	0 / 0	0 / 0	0 / 0	239 / 0	0 / 0	0 / 0
H	734	495 / 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)	LOC1 MAX CSI (LC)	MAX. UNBRAG LENGTH (FR-TO)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
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-H	-222 / 0	0.09 (1)
C-D	-764 / 0	-91.8	-91.8 0.20 (1)	6.25	K-D	0 / 339	0.08 (1)
D-E	-764 / 0	-91.8	-91.8 0.20 (1)	6.25	C-K	-222 / 0	0.09 (1)
E-F	0 / 29	-91.8	-91.8 0.28 (1)	10.00	L-C	-964 / 0	0.66 (1)
F-G	0 / 41	-91.8	-91.8 0.13 (1)	10.00	E-H	-964 / 0	0.66 (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 / 632	-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			

TOTAL WEIGHT = 2 X 82 = 163 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN./C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF 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

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 (0.04")

CSI: TC=0.26/1.00 (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)

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 1856

PLATE PLACEMENT TOL. = 0.250 inches

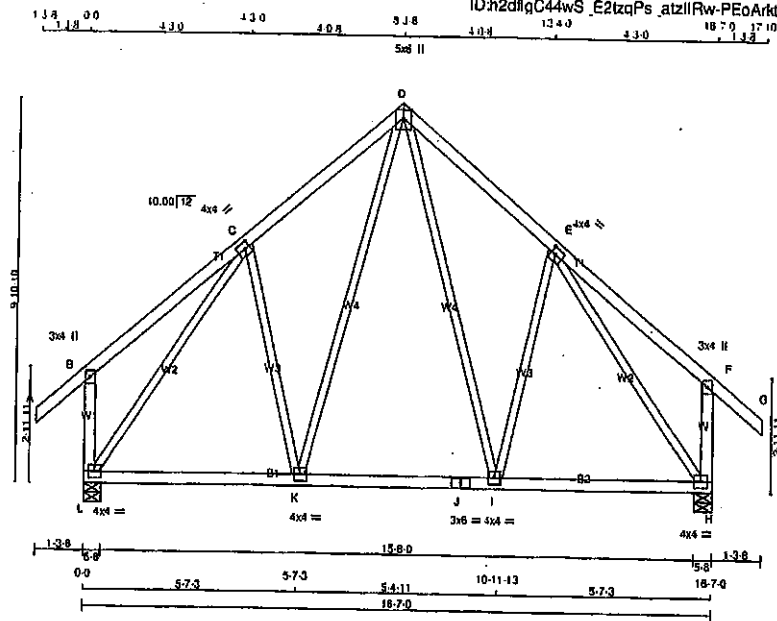
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.78 (C) (INPUT = 0.90)
JSI METAL = 0.26 (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				TRUSS DESC.	



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 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	1.50
D	TTWW+p	MT20	5.0	6.0	Edge	
E	TMWW-1	MT20	4.0	4.0	2.00	1.50
F	TMV+p	MT20	3.0	4.0		
H	BMWW-1	MT20	4.0	4.0		
I	BMWW-1	MT20	4.0	4.0		
J	BS-1	MT20	3.0	6.0		
K	BMWW-1	MT20	4.0	4.0		
L	BMWW-1	MT20	4.0	4.0		

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

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

BEARINGS

FACTORED	MAXIMUM FACTORED	INPUT	RECORD
GROSS REACTION	GROSS REACTION	BRG	BRG
JT VERT	DOWN	IN-SX	IN-SX
L 1041 0	1041 0	5-8	5-8
H 1041 0	1041 0	5-8	5-8

UNFACTORED REACTIONS

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 41	-91.8 -91.8 0.13 (1)	10.00	D-I	0 / 254	0.06 (1)	
B-C	0 / 28	-91.8 -91.8 0.26 (1)	10.00	J-E	-138 / 14	0.10 (1)	
C-D	-633 / 0	-91.8 -91.8 0.20 (1)	8.25	K-D	0 / 254	0.08 (1)	
D-E	-633 / 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 / 395	-18.5 -18.5 0.16 (4)	10.00				
J-I	0 / 395	-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

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.55")
CALCULATED VERT. DEFL.(LL) = L/899 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.55")
CALCULATED VERT. DEFL.(TL) = L/999 (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)

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

COMPANION LIVE LOAD FACTOR = 1.00

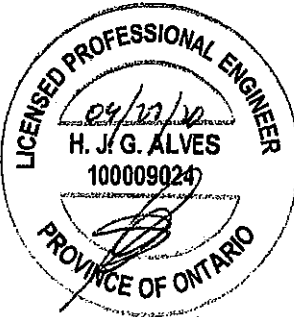
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2007091

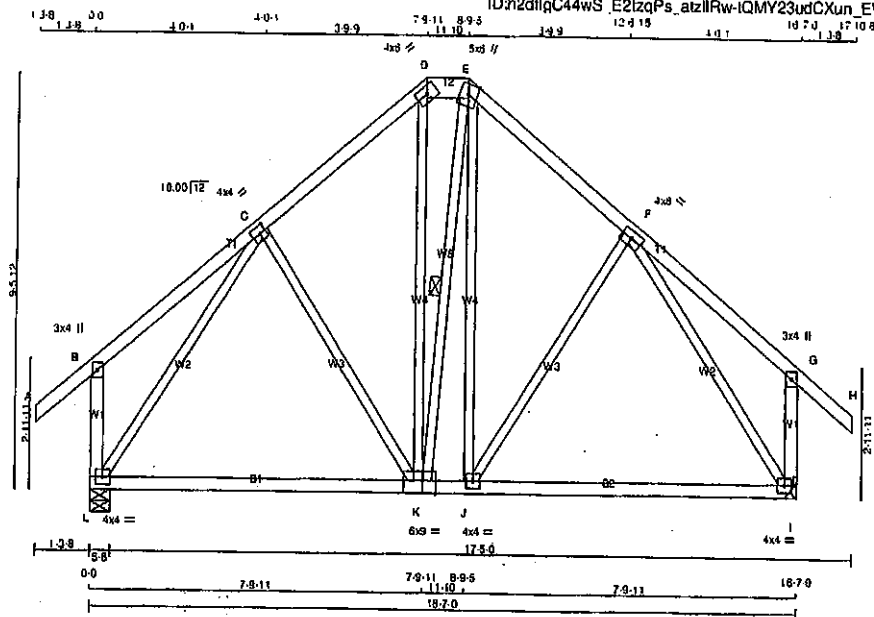
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408151	T30	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:h2dlqC44ws E2l2qPs_atzIIrw-iQMY23udCXun_EWx8bi9muGsMEweG3Mu_PGE_pzNCXX

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



TOTAL WEIGHT = 97 lb (M/F)

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 (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV-p	MT20	3.0	4.0		
C	TMVW-1	MT20	4.0	4.0	2.00	1.75
D	TTW-h	MT20	4.0	8.0		
E	TTW-w	MT20	5.0	5.0	Edge	
F	TMVW-1	MT20	4.0	8.0		
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	BSVW-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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
L	1041	0	1041	0	5-8	5-8
I	1041	0	1041	0	MECHANICAL	

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

UNFACTORED REACTIONS

1ST CASE		MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
L	734	485 / 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 = 5.25 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)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD		MAX. CS (LC)	MAX. UNBRACED LENGTH	MEMB.	WEBS MAX. FACTORED FORCE (LBS)	MAX. CS (LC)
		FROM	TO					
FR-TO								
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 / 184	0.04 (1)
C-D	-566 / 0	-91.8	-91.8	0.18 (1)	8.25	K-E	-109 / 0	0.07 (4)
D-E	-414 / 0	-91.8	-91.8	0.01 (1)	8.25	J-E	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	-846 / 0	0.78 (1)
G-H	0 / 41	-91.8	-91.8	0.13 (1)	10.00	F-I	-862 / 0	0.79 (1)
L-B	-265 / 0	0.0	0.0	0.04 (1)	7.81			
I-G	-265 / 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			

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, 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) = $L/999$ (0.01")
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=0.38/1.00 (K-L:4),
WB=0.79/1.00 (F-I:1), SS=0.14/1.00 (J-K:4)

DOI 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.

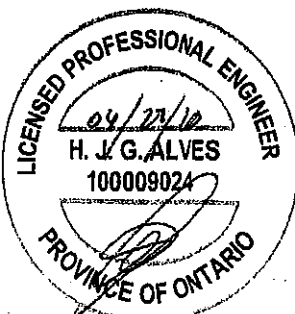
NAIL VALUES

PLATE	GRIP (DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX	MIN	MAX	MIN
MT20	618	354	1887 788 1987 1858

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.89 (C) (INPUT = 0.90)
JSI METAL = 0.31 (C) (INPUT = 1.00)

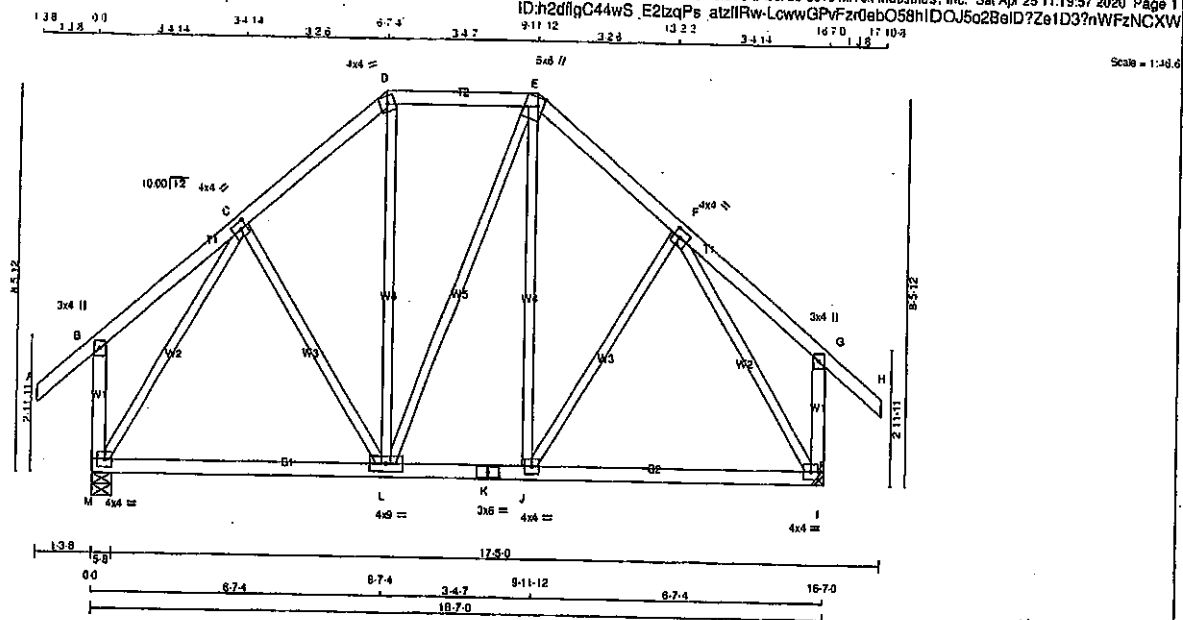


Structural component only
DWG# T-2007092

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
408151	T31	1	1	GREEN PARK HOMES		

Tamarack Roof Truss, Burlington

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LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - D	2x4	DRY	No.2
D - E	2x4	DRY	No.2
E - H	2x4	DRY	No.2
M - B	2x4	DRY	No.2
J - 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 is 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	TTW+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		
H	BMVW+1	MT20	4.0	4.0		
I	BMVW+1	MT20	4.0	4.0		
J	BMVW+1	MT20	3.0	6.0		
K	BS-1	MT20	4.0	9.0		
L	BMVW+1	MT20	4.0	4.0		
M	BMVW+1	MT20	4.0	4.0		

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

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT		REQD	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	BRG	IN-SX	BRG	IN-SX
M	1041	0	1041	0	0	5-8	5-8		
I	1041	0	1041	0	0	MECHANICAL			

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	734	495/0	0/0	0/0	0/0	0/0	239/0	0/0
I	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) M

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 PERMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (LBS)	MAX. FACTORED (PLF)	MAX. FACTORED (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED (LC)
FR-TO					FR-TO		
A-B	0/41	-91.8	-91.8	0.13 (1)	C-L	-10/34	0.01 (4)
B-C	0/22	-91.8	-91.8	0.16 (1)	L-D	0/110	0.03 (4)
C-D	-613/0	-91.8	-91.8	0.13 (1)	L-E	0/0	0.00 (1)
D-E	-453/0	-91.8	-91.8	0.14 (1)	J-E	0/109	0.03 (4)
E-F	-612/0	-91.8	-91.8	0.13 (1)	J-F	-11/34	0.01 (4)
F-G	0/22	-91.8	-91.8	0.16 (1)	M-C	-873/0	0.60 (1)
G-H	0/41	-91.8	-91.8	0.13 (1)	F-I	-873/0	0.60 (1)
H-B	-245/0	0.0	0.0	0.04 (1)			
I-G	-245/0	0.0	0.0	0.04 (1)			
M-L	0/457	-18.5	-18.5	0.21 (4)			
L-K	0/453	-18.5	-18.5	0.20 (4)			
K-J	0/453	-18.5	-18.5	0.20 (4)			
J-I	0/457	-18.5	-18.5	0.21 (4)			

TOTAL WEIGHT = 92 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

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 086-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.55")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.55")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CSI: TO=0.18/1.00 (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

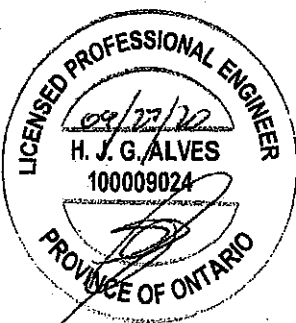
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

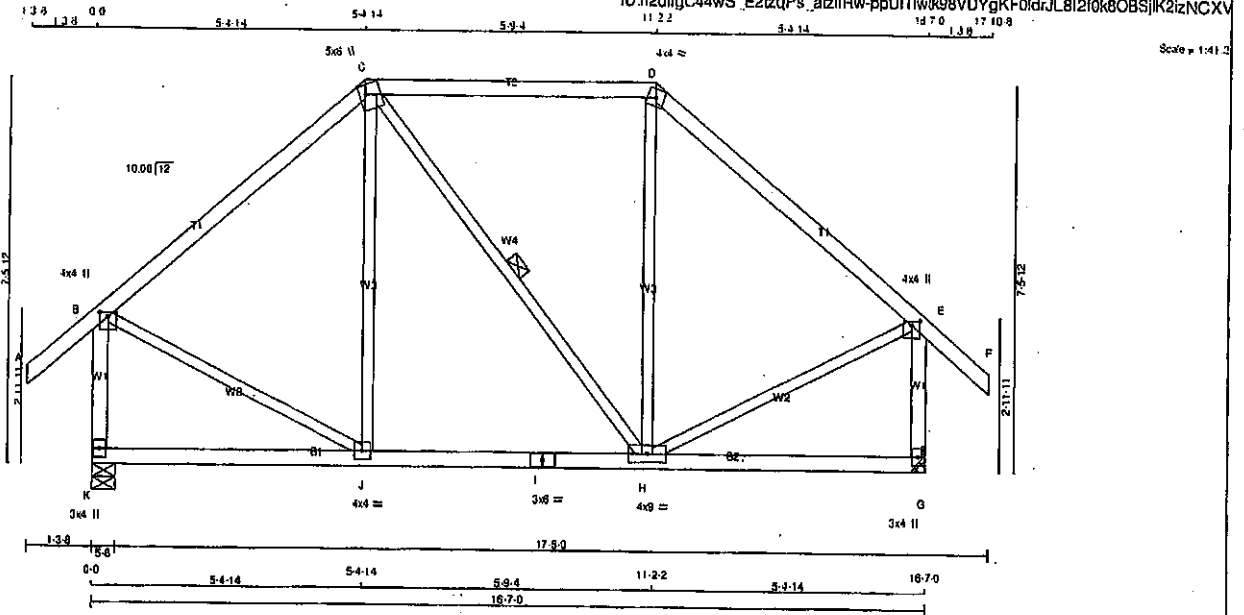
JSI GRIP = 0.87 (C) (INPUT = 0.90)
JSI METAL = 0.31 (C) (INPUT = 1.00)



Structural component only
DWG# T-2007093

JOB NAME 408151	TRUSS NAME T32	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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TOTAL WEIGHT = 79 lb

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 (tablets in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW+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	TMVW+p	MT20	4.0	4.0	1.00	2.00
G	BMV1+p	MT20	3.0	4.0		
H	BMVWW-I	MT20	4.0	9.0		
I	BS-I	MT20	3.0	6.0		
J	BMVWW-I	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	GROSS REACTION	GROSS REACTION	GROSS REACTION	8RG	8RG		
	VERT	HORZ	DOWN	HORZ	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.

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	734	495/0	0/0	0/0	0/0	239/0	0/0
G	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) K

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 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		WELLS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. (CSI (LC))	MAX. (CSI (LC))	MEMB.	FORCE (LBS)	MAX. (CSI (LC))
FR-TO		FROM	TO	LENGTH	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. O/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
- 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/380 (0.55")
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), SSI=0.21/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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)

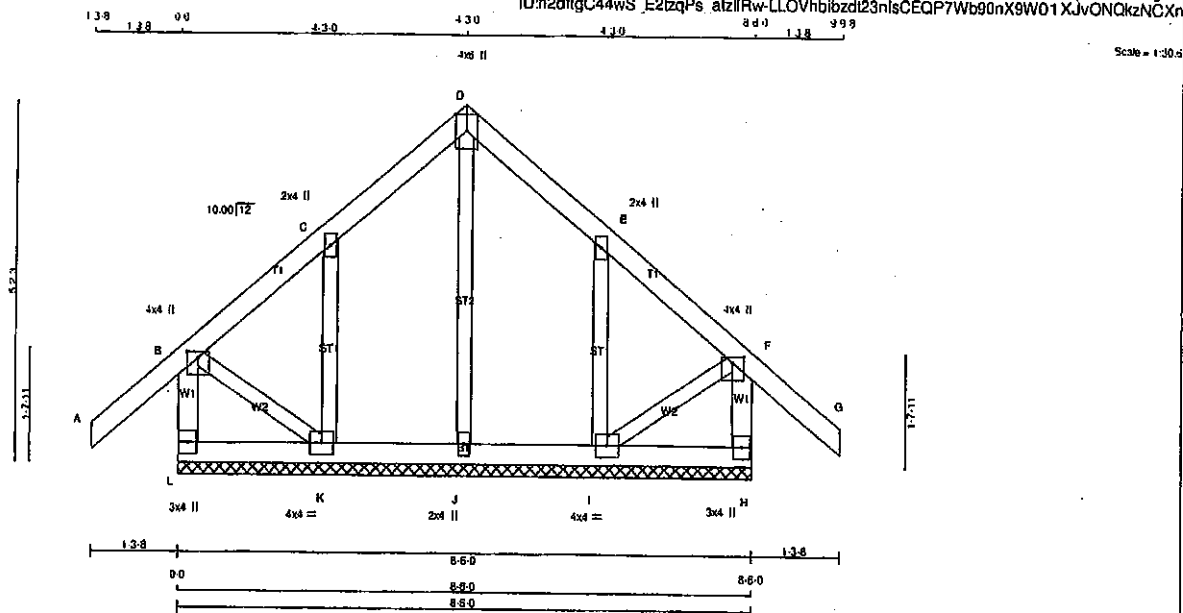


Structural component only
DWG# T-2007094

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

Tamarack Roof Truss, Burlington

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ID:n2dftgC44wS_E2izqPs_atzllRw-LLOVhbibzdl23nlsCEQP7Wb90nX9W01XJvONCkzNCXn



TOTAL WEIGHT = 42 lb

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TMVW+w	MT20	2.0	4.0		
D	TTW+p	MT20	4.0	8.0	Edge	
E	TMVW+w	MT20	2.0	4.0		
F	TMVW+p	MT20	4.0	4.0	1.00	2.00
H	BMVW+p	MT20	3.0	4.0		
I	BMVW1-t	MT20	4.0	4.0		
J	BMVW1-w	MT20	2.0	4.0		
K	BMVW1-t	MT20	4.0	4.0		
L	BMVW1-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.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	MEMB.	FORCE (LBS)	MAX	LC2 (LC)
FR-TO		FROM TO	CSI (LC)	FR-TO			
L-B	-231/0	0.0	0.0 0.02 (1)	J-D	-123/0	0.05 (1)	
A-B	0/41	-91.8	-91.8 0.13 (1)	K-C	-236/0	0.05 (1)	
B-C	-11/0	-91.8	-91.8 0.07 (1)	I-E	-236/0	0.05 (1)	
C-D	-32/0	-91.8	-91.8 0.07 (1)	B-K	0/23	0.01 (1)	
D-E	-32/0	-91.8	-91.8 0.07 (1)	I-F	0/23	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)				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN./C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCG 2010, 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

CSI: TC=0.13/1.00 (F-G:1), BC=0.02/1.00 (J-K:4),

WB=0.05/1.00 (C-K:1), SS=0.08/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP (DRY) SHEAR SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

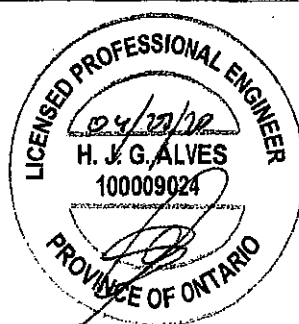
MT20 818 354 1667 788 1887 1658

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

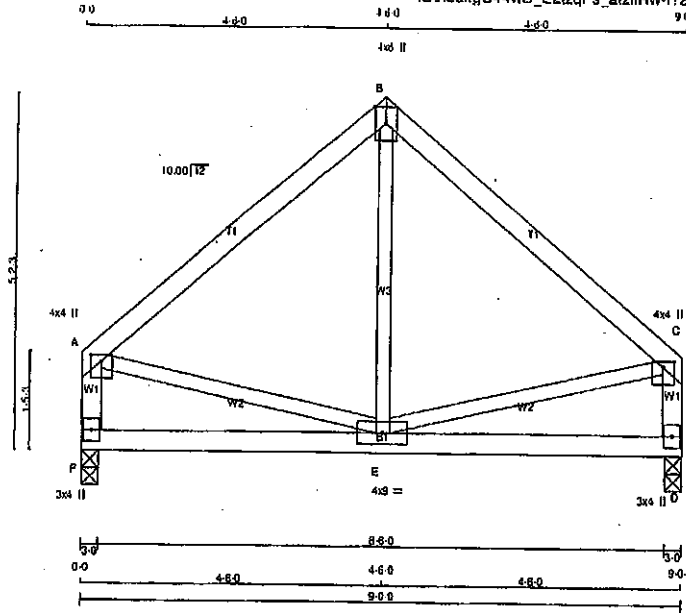
JSI GRIP = 0.18 (C) (INPUT = 0.90)

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.		Version 8.310 S Oct 29 2019 MITek Industries, Inc. Sat Apr 25 11:19:59 2020 Page 1	



Scale = 1:31.0

LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
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 EXCEPT	2x3	DRY	No.2

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	BMVt+p	MT20	3.0	4.0		
E	BMVWW-1	MT20	4.0	9.0		
F	BMVt+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	GROSS REACTION	BRG	BRG	
F	VERT	DOWN	UP/LIFT	IN-SX	IN-SX
F	496	0	496	0	3-0
D	496	0	496	0	3-0

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	351	230 / 0	0 / 0	0 / 0	0 / 0	121 / 0	0 / 0
D	351	230 / 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.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)	MAX. FORCE	MAX. (LC)
FR-TO		FROM	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 / 246	0.06	(1)
F-A	-404 / 0	0.0	0.0 0.05 (1)	E-C	0 / 246	0.06	(1)
D-C	-404 / 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)				

TOTAL WEIGHT = 37 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. 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 2010
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.30")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.30")
CALCULATED VERT. DEFL.(TL) = L/999 (0.01")

CSI: TC=0.24/1.00 (A-B:1), BC=0.11/1.00 (E-F:4), WB=0.06/1.00 (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

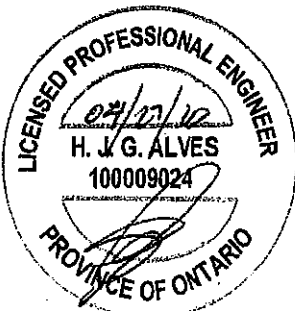
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

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)



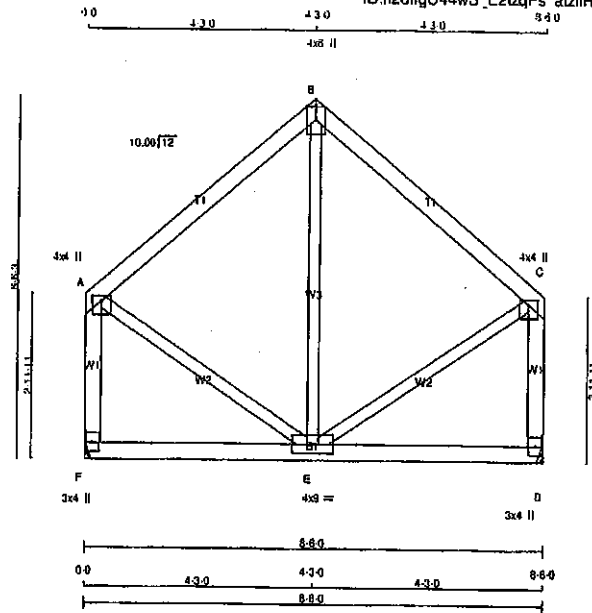
Structural component only
DWG# T-2007095

JOB NAME 408151	TRUSS NAME T34	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:h2dlfgC44wS_E2tqPs abzllRw-mBc3uRx8GmODTprNrn5xkQXdrLIC2aUv0ER7azNCX7

Scale = 1/32"



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER
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

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMW+p	MT20	4.0	4.0	1.00	2.00
B	TTW+p	MT20	4.0	6.0	Edge	
C	TMW+p	MT20	4.0	4.0	1.00	2.00
D	BMV1+p	MT20	3.0	4.0		
E	BMWW-1	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

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

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	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 = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS				WEBS			
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	CS/LC	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	CS/LC
A-B	-218/0	-91.8	91.8	0.21 (1)	8.25	E-B	-111/32	0.07 (1)
B-C	-218/0	-91.8	91.8	0.21 (1)	8.25	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	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN/C

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

THIS DESIGN COMPLIES WITH:

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

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

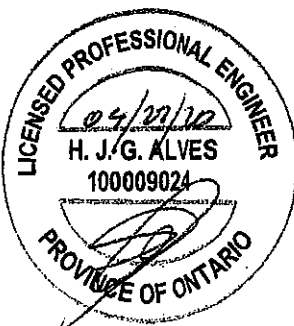
PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PL)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1867 788 1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.33 (A) (INPUT = 0.90)

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

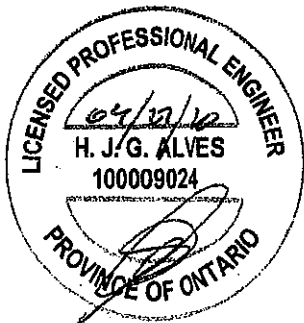


Structural component only
DWG# T-2007096

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	T35	2	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		Version 8.310 S Oct 29 2019 Mitak Industries, Inc. Sat Apr 25 11:20:01 2020 Page 2			
		ID:h2dfllqC44wS E2tqPs alzllRw-EQ9R5nym13W44?Ovw8IKTxzhdF1 xTUd8gz 11zNCKS			
		TRUSS DESC.			

PLATES (table is in inches)

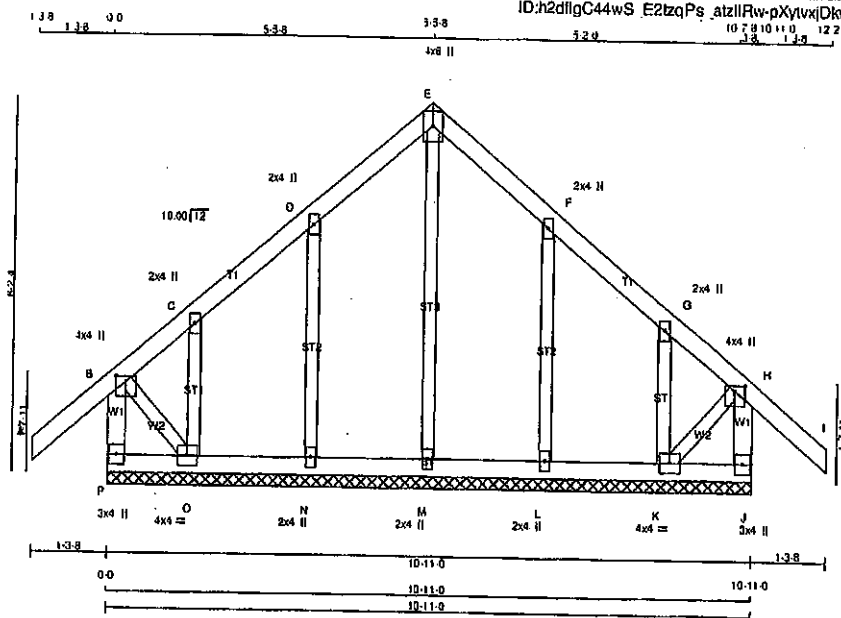
JT	TYPE	PLATES	W	LEN	Y	X
F	BMV1+p	MT20	3.0	4.0		



Structural component only
DWG# T-2007097 2/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	G36	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:h2dlG44wS_E2tqPs_atzllRw-pXyvtqDkw?vhws3lxxefk8KIBtVFSmhYZ7xyBzNCXm
10 2 8 10 11 0 12 2 8
Scale = 1:25.2



TOTAL WEIGHT = 53 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER
P - B	2x4	DRY	No.2
A - E	2x4	DRY	No.2
E - I	2x4	DRY	No.2
J - H	2x4	DRY	No.2
P - 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\"/>

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00 2.00
C, D, F, G					
C	TMVW+p	MT20	2.0	4.0	
E	TTW+p	MT20	4.0	8.0	Edge
H	TMVW+p	MT20	4.0	4.0	1.00 2.00
J	BMV1+p	MT20	3.0	4.0	
K	BMVW1-l	MT20	4.0	4.0	
L, M, N					
L	BMV1+w	MT20	2.0	4.0	
O	BMVW1-l	MT20	4.0	4.0	
P	BMV1+p	MT20	3.0	4.0	

Edge - INDICATES REFERENCE CORNER OF PLATE
TOUGHES 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 = 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. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	UNBRACED LENGTH
FR-TO		FROM TO		FR-TO			
P-B	-274/0	0.0	0.0 0.03 (1)	M-E	-139/0	0.08 (1)	
A-B	0/41	-91.8	-91.8 0.13 (1)	N-D	-223/0	0.07 (1)	
B-C	-57/0	-91.8	-91.8 0.12 (1)	O-C	-75/0	0.01 (1)	
C-D	-4/0	-91.8	-91.8 0.08 (1)	L-F	-223/0	0.07 (1)	
D-E	-22/0	-91.8	-91.8 0.06 (1)	K-G	-75/0	0.01 (1)	
E-F	-22/0	-91.8	-91.8 0.06 (1)	B-O	0/20	0.00 (1)	
F-G	-4/0	-91.8	-91.8 0.12 (1)	K-H	0/20	0.00 (1)	
G-H	-57/0	-91.8	-91.8 0.12 (1)				
H-I	0/41	-91.8	-91.8 0.13 (1)				
J-H	-274/0	0.0	0.0 0.03 (1)				
P-O	0/0	-18.5	-18.5 0.01 (4)				
O-N	0/12	-18.5	-18.5 0.02 (4)				
N-M	0/7	-18.5	-18.5 0.02 (4)				
M-L	0/7	-18.5	-18.5 0.02 (4)				
L-K	0/12	-18.5	-18.5 0.02 (4)				
K-J	0/0	-18.5	-18.5 0.01 (4)				

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

CSI: TC=0.13/1.00 (H=1), BC=0.02/1.00 (K=L=4), WB=0.08/1.00 (E=M=1), SSI=0.08/1.00 (A=8:1)

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.

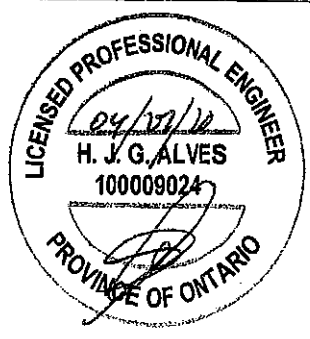
NAIL VALUES

PLATE	GRIP (DRY) (PSI)	SHEAR (PLI)	SECTION (PLI)
MT20	618	354	1887
	618	354	1887

PLATE PLACEMENT TOL. = 0.250 inches

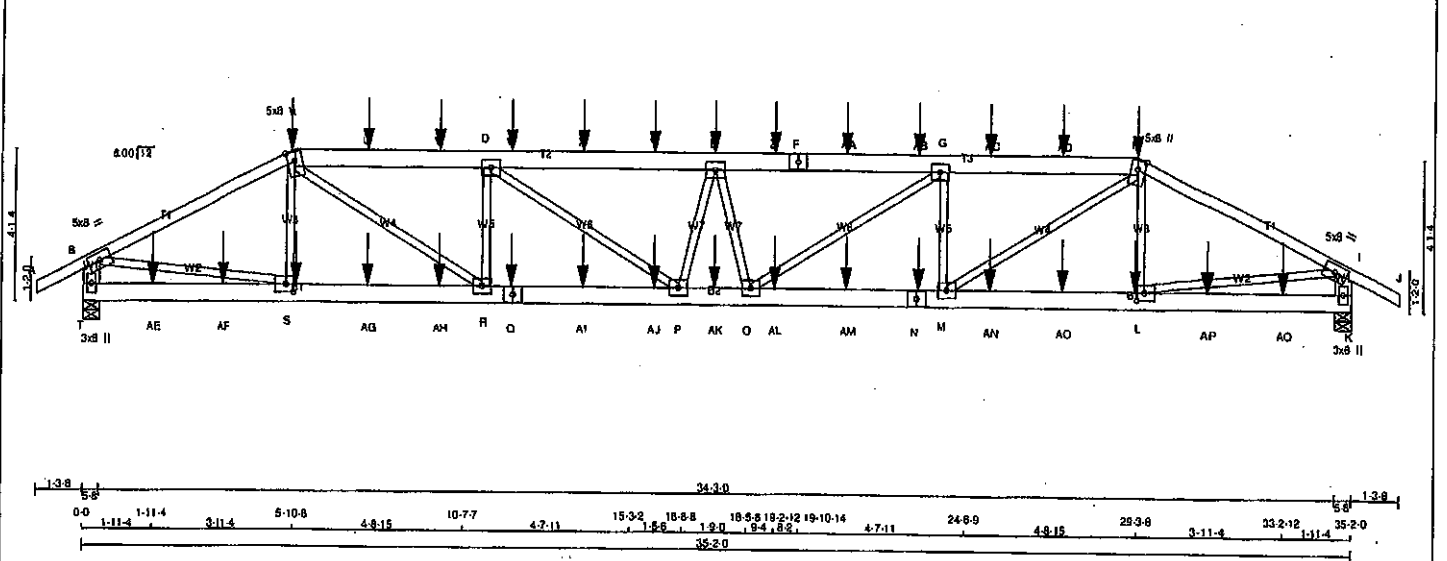
PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2007079

JOB NAME 408152	TRUSS NAME T40	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 11:29:32 2020 Page 1	
ID:7VF7aG0E03cRUj8X1jSkzIWKYK-0EAlx1sxZWS34IYeiZ2E6M6CTQSHDeTgR0niCQzNCOX				35-2 0 38-8 38-8	
Scale = 1:57.3					



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

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - C	1	12
H - J	1	12
C - F	2	12
F - H	2	12
T - B	2	12
K - I	2	12
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
T - Q	2	12
Q - N	2	12
N - K	2	12
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. 3/8 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	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	HORIZ	IN-SX
T	3331	0	3331	0
K	3331	0	3331	0

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
T	2356	1644 / 0	0 / 0	0 / 0	0 / 0	812 / 0	0 / 0
K	2356	1544 / 0	0 / 0	0 / 0	0 / 0	812 / 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. FURLIN 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	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MEMB.	FORCE (LBS)	
FR-TO		FROM TO	FR-TO		
A-B	0/28	-91.8 -91.8 0.07 (1)	10.00	S-C	-427/8
B-C	-5077/0	-91.8 -91.8 0.52 (1)	3.87	C-R	0/3083
C-U	-7106/0	-91.8 -91.8 0.23 (1)	4.33	R-D	-1565/0
U-V	-7106/0	-91.8 -91.8 0.23 (1)	4.33	C-Q	0/1071
V-D	-7106/0	-91.8 -91.8 0.23 (1)	4.33	M-G	-1565/0
D-W	-7994/0	-91.8 -91.8 0.27 (1)	4.10	L-H	-427/8
W-X	-7994/0	-91.8 -91.8 0.27 (1)	4.10	B-S	0/4592
X-Y	-7994/0	-91.8 -91.8 0.27 (1)	4.10	L-I	0/4592
Y-E	-7994/0	-91.8 -91.8 0.27 (1)	4.10	D-P	0/1071
E-Z	-7994/0	-91.8 -91.8 0.27 (1)	4.10	M-H	0/3083
Z-F	-7994/0	-91.8 -91.8 0.27 (1)	4.10	P-E	-505/0
F-AA	-7994/0	-91.8 -91.8 0.27 (1)	4.10	E-O	-505/0
AA-AB	-7994/0	-91.8 -91.8 0.27 (1)	4.10		
AB-G	-7994/0	-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 0.06 (4)	10.00
AE-AF	0/0	-18.5 -18.5 0.06 (4)	10.00
AF-S	0/0	-18.5 -18.5 0.06 (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 0.56 (1)	10.00
AK-O	0/8119	-18.5 -18.5 0.56 (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 0.06 (4)	10.00
AP-AQ	0/0	-18.5 -18.5 0.06 (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

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 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 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.21")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.39")

CSL: TC=0.52/1.00 (H=1:1), SC=0.58/1.00 (O=P:1), WB=0.57/1.00 (B=S:1), SS=0.18/1.00 (D=E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HELLS 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	610 354 1687 788 1987 1656	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.84 (S) (INPUT = 0.90)

JSI METAL= 0.64 (N) (INPUT = 1.00)

Structural component only
DWG# T-2007107



Structural component only
DWG# T-2007107 1/2

PLATES (table is in inches)

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MAX. FACTORED UNBRAC LENGTH FR-TO	MAX. FACTORED CSI (LC)
FR-TO							
AQ-K	0.0	-16.5	-18.5	0.06 (4)	10.00		

WEBS

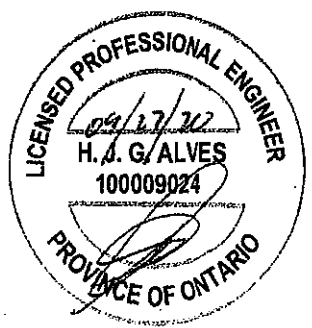
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MAX. FACTORED UNBRAC LENGTH FR-TO	MAX. FACTORED CSI (LC)
FR-TO							
AQ-K	0.0	-16.5	-18.5	0.06 (4)	10.00		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	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	29-2-12	-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	25-2-12	-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

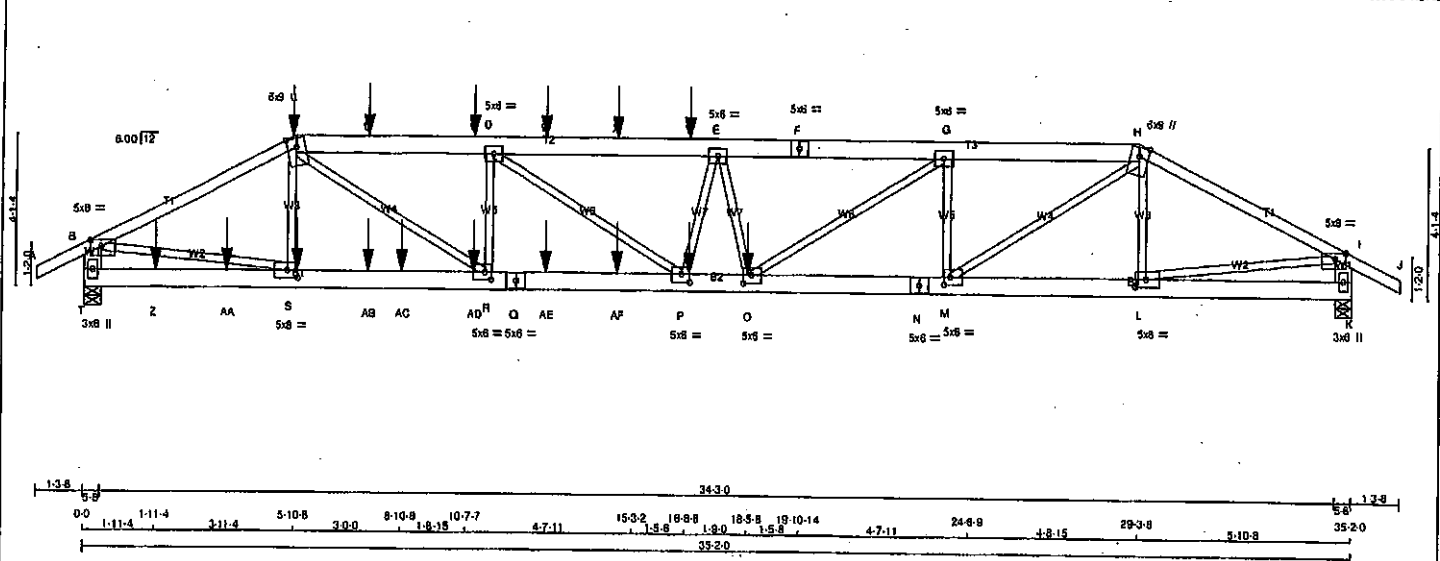
CONNECTION REQUIREMENTS

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



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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 Scale = 1:57.3



LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
C - F	2x6	DRY	No.2
F - H	2x6	DRY	No.2
H - J	2x4	DRY	No.2
T - B	2x6	DRY	No.2
K - I	2x6	DRY	No.2
T - Q	2x6	DRY	No.2
Q - N	2x6	DRY	No.2
N - K	2x6	DRY	No.2

ALL WEBS 2x3 DRY No.2
 EXCEPT

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-C	12	SIDE(61.0)
H-J	12	TOP
C-F	12	SIDE(61.0)
F-H	12	TOP
T-B	12	TOP
K-I	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
T-Q	12	SIDE(163.1)
Q-N	12	SIDE(0.0)
N-K	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.

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	IN-SX
JT	4474	0	0	4474	0	0	0	5-8	5-8
K	3775	0	0	3775	0	0	0	5-8	5-8

UNFACTORED REACTIONS		1ST CASE		MAX / MIN. COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND
T	3162	2088 / 0	0 / 0	0 / 0	0 / 0
K	2665	1772 / 0	0 / 0	0 / 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 = 3.19 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		MAX. FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. (LC1)	MEMB.	FORCE (LBS)	MAX. (LC1)	MAX. (LC1)
FR-TO				FR-TO			
A-B	0 / 28	-91.8	-91.8 0.07 (1)	S-C	-384 / 25	0.06 (1)	
B-C	-7163 / 0	-91.8	-91.8 0.71 (1)	C-R	0 / 4687	0.58 (1)	
C-U	-10299 / 0	-91.8	-91.8 0.32 (1)	R-D	-2057 / 0	0.25 (1)	
U-V	-10299 / 0	-91.8	-91.8 0.32 (1)	D-G	0 / 3611	0.45 (1)	
V-D	-10299 / 0	-91.8	-91.8 0.32 (1)	G-M	-2897 / 0	0.32 (1)	
D-W	-12012 / 0	-91.8	-91.8 0.45 (1)	M-H	-616 / 0	0.08 (1)	
W-X	-12012 / 0	-91.8	-91.8 0.45 (1)	H-S	0 / 6478	0.60 (1)	
X-Y	-12012 / 0	-91.8	-91.8 0.45 (1)	L-I	0 / 5333	0.86 (1)	
Y-E	-12012 / 0	-91.8	-91.8 0.45 (1)	D-P	0 / 2066	0.28 (1)	
E-F	-12381 / 0	-91.8	-91.8 0.40 (1)	M-H	0 / 4950	0.61 (1)	
F-G	-12381 / 0	-91.8	-91.8 0.59 (1)	P-E	-1110 / 0	0.14 (1)	
G-H	-9386 / 0	-91.8	-91.8 0.25 (1)	E-O	0 / 383	0.05 (1)	
H-I	-5898 / 0	-91.8	-91.8 0.59 (1)				
I-J	0 / 28	-91.8	-91.8 0.07 (1)				
T-B	-4430 / 0	0.0	0.0 0.18 (1)				
K-I	-3716 / 0	0.0	0.0 0.13 (1)				

T-Z	0 / 0	-18.5	-18.5 0.08 (4)	10.00
Z-AA	0 / 0	-18.5	-18.5 0.08 (4)	10.00
AA-S	0 / 0	-18.5	-18.5 0.08 (4)	10.00
S-AB	0 / 6432	-18.5	-18.5 0.69 (1)	10.00
AB-AC	0 / 6432	-18.5	-18.5 0.69 (1)	10.00
AC-AD	0 / 6432	-18.5	-18.5 0.69 (1)	10.00
AD-R	0 / 6432	-18.5	-18.5 0.69 (1)	10.00
R-Q	0 / 10298	-18.5	-18.5 0.76 (1)	10.00
Q-AE	0 / 10298	-18.5	-18.5 0.76 (1)	10.00
AE-AF	0 / 10298	-18.5	-18.5 0.76 (1)	10.00
AF-P	0 / 10298	-18.5	-18.5 0.76 (1)	10.00
P-O	0 / 12286	-18.5	-18.5 0.91 (1)	10.00
O-N	0 / 9385	-18.5	-18.5 0.72 (1)	10.00
N-M	0 / 9385	-18.5	-18.5 0.72 (1)	10.00
M-L	0 / 5303	-18.5	-18.5 0.37 (1)	10.00
L-K	0 / 0	-18.5	-18.5 0.04 (4)	10.00

FACTORED CONCENTRATED LOADS (LBS)		LOC.		MAX.		FACE		DIR.		TYPE		HEEL		CONN.	
JT	LOC.	LC1	MAX.	MAX.	MAX.	BACK	VERT	TOTAL	...	...	...	...	...	...	...
C	5-10-8	-438	-438	...	...	BACK	VERT	TOTAL	...	...	...	...	...	...	...
O	18-5-8	-2436	-2436	...	...	BACK	VERT	TOTAL	...	...	...	...	...	...	...
P	18-9-12	-17	-17	...	...	BACK	VERT	TOTAL	...	...	...	...	...	...	...
S	5-11-4	-26	-26	...	...	BACK	VERT	TOTAL	...	...	...	...	...	...	...
U	7-11-4	-110	-110	...	...	BACK	VERT	TOTAL	...	...	...	...	...	...	...
V	10-9-12	-82	-82	...	...	BACK	VERT	TOTAL	...	...	...	...	...	...	...
W	12-9-12	-82	-82	...	...	BACK	VERT	TOTAL	...	...	...	...	...	...	...

DESIGN CRITERIA

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

SPACING = 24.0 IN/GC

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 2018, CBC 2012, ABC 2019
 - PART 9 OF CBC 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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.31")
 ALLOWABLE DEFL.(TL) = L/360 (1.17")
 CALCULATED VERT. DEFL.(TL) = L/740 (0.57")

CSI: TC=0.71/1.00 (B-C:1), BC=0.91/1.00 (C-P:1), WB=0.80/1.00 (B-S:1), SS=0.15/1.00 (R-S:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.89 (S) (INPUT = 0.90)
 JSI METAL = 0.93 (N) (INPUT = 1.00)



Structural component only
 DWG# T-2007108

CONTINUED ON PAGE 2

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

Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Sat Apr 25 11:29:34 2020 Page 2
 IDJ7vF?aG0E03cRU6X1SRkzWYK-vdH2MluB57ImK311? 4!CnCV?E2GhUJzyKGnQJzNCOV

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	6.0	9.0	Edge	
D, E, G						
D	TMVW-t	MT20	5.0	8.0		
F	TS-t	MT20	5.0	8.0		
H	TTWW+m	MT20	6.0	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-t	MT20	5.0	8.0	2.50	3.50
M	BMVW-t	MT20	5.0	6.0	2.50	2.00
N	BS-t	MT20	5.0	8.0		
O	BMVW-t	MT20	5.0	8.0	2.75	2.75
P	BMVW-t	MT20	5.0	6.0	2.75	2.75
Q	BS-t	MT20	5.0	6.0		
R	BMVW-t	MT20	5.0	6.0	2.50	2.00
S	BMVW-t	MT20	5.0	8.0	2.50	3.50
T	BMV1+p	MT20	3.0	6.0		

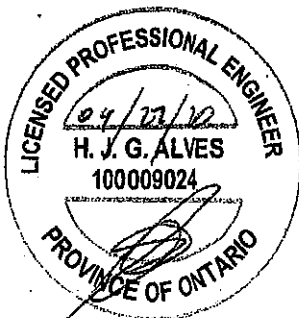
Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

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	16-9-12	-82	-82	---	BACK	VERT	TOTAL	---	C1
Z	1-11-4	-25	-25	---	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

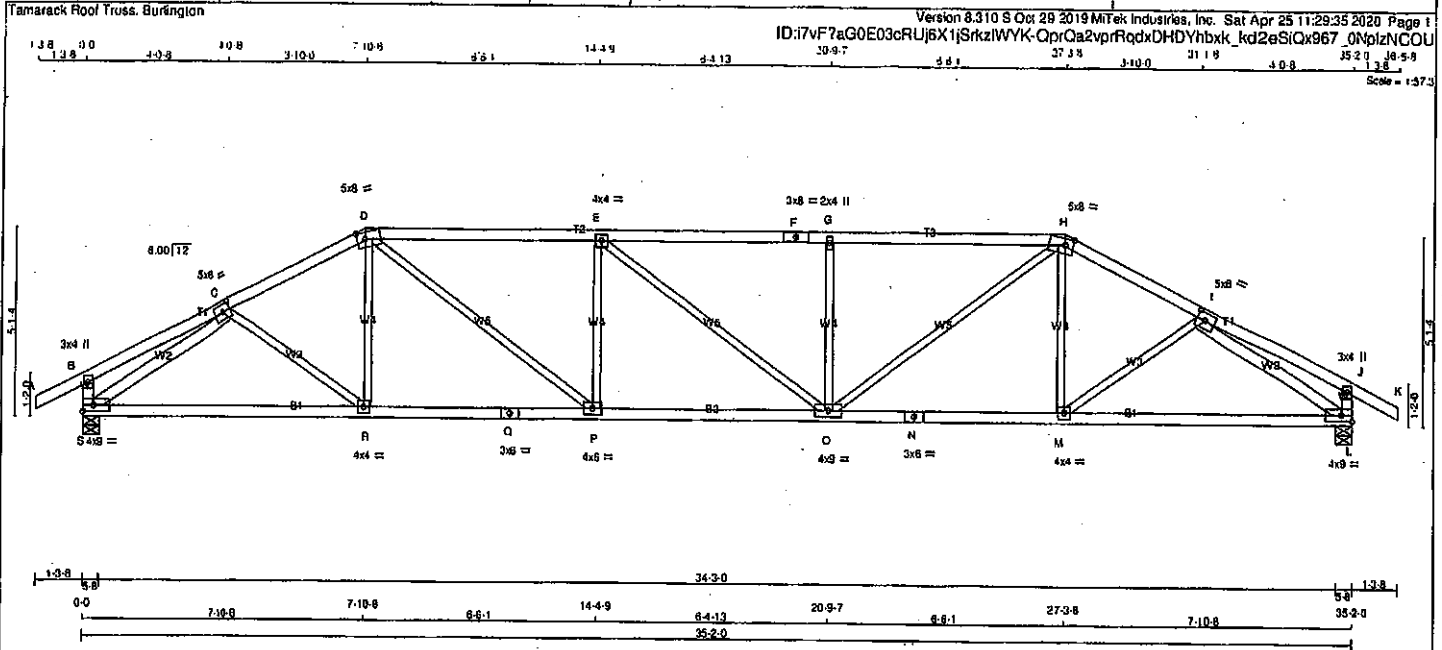
CONNECTION REQUIREMENTS

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



Structural component only
 DWG# T-2007108

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408152	T41	2	1	GREEN PARK HOMES	



LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	DRY
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
F - H	2x4	DRY	No.2
H - K	2x4	DRY	No.2
K - L	2x4	DRY	No.2
L - J	2x4	DRY	No.2
J - 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-t	MT20	5.0	8.0	2.50	2.75
D TTWW-m	MT20	5.0	8.0	2.25	2.75
E TMWW-t	MT20	4.0	4.0		
F TS-t	MT20	3.0	8.0		
G TMW+w	MT20	2.0	4.0		
H TTWW-m	MT20	5.0	8.0	2.25	2.75
I TMWW-t	MT20	5.0	8.0	2.50	2.75
J TMV+p	MT20	3.0	4.0		
L BMVW1-t	MT20	4.0	9.0		Edge
M BMWW-t	MT20	4.0	4.0		
N BS-t	MT20	3.0	6.0		
O BMWW-t	MT20	4.0	9.0		
P BMWW-t	MT20	4.0	6.0		
Q BS-t	MT20	3.0	6.0		
R BMWW-t	MT20	4.0	4.0		
S BMVW1-t	MT20	4.0	9.0		Edge

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

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER									
BEARINGS									
	FACTORED	MAXIMUM FACTORED	INPUT	REQD					
	GROSS REACTION	GROSS REACTION	BRG	BRG					
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX		
S	2063	0	2063	0	0	5-8	5-8		
L	2063	0	2063	0	0	5-8	5-8		
UNFACTORED REACTIONS									
1ST CASE	MAX/MIN	COMPONENT REACTIONS							
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL		
S	1457	969 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0		
L	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) S, L									
BRACING									
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.94 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	FACTORED	VERT. LOAD	LC1	MAX.	MAX.	UNBRACED	FR-TO	MEMB.
	(LBS)	(PLF)			CSI (LC)	LENGTH			
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	-2799 / 0	-91.8	-91.8	0.32 (1)	3.68	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	0.93 (1)	2.94	O-G	-843 / 0	0.25 (1)	
G-H	-3507 / 0	-91.8	-91.8	0.94 (1)	2.95	H-H	0 / 1268	0.28 (1)	
H-I	-2799 / 0	-91.8	-91.8	0.32 (1)	3.68	M-H	0 / 121	0.04 (4)	
I-J	0 / 16	-91.8	-91.8	0.20 (1)	10.00	M-I	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)	
K-S	-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 / 2469	-18.5	-18.5	0.54 (1)	10.00				
Q-P	0 / 2469	-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 / 2469	-18.5	-18.5	0.54 (1)	10.00				
N-M	0 / 2469	-18.5	-18.5	0.54 (1)	10.00				
M-L	0 / 2417	-18.5	-18.5	0.53 (1)	10.00				

TOTAL WEIGHT = 2 X 139 = 278 lb

(M)

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, 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

(95 % 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")

CSI: TC=0.95/1.00 (D-E:1), BC=0.64/1.00 (O-P:1), WB=0.83/1.00 (H-L:1), SS=0.28/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

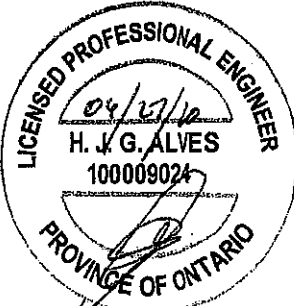
PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354 1867 788	1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

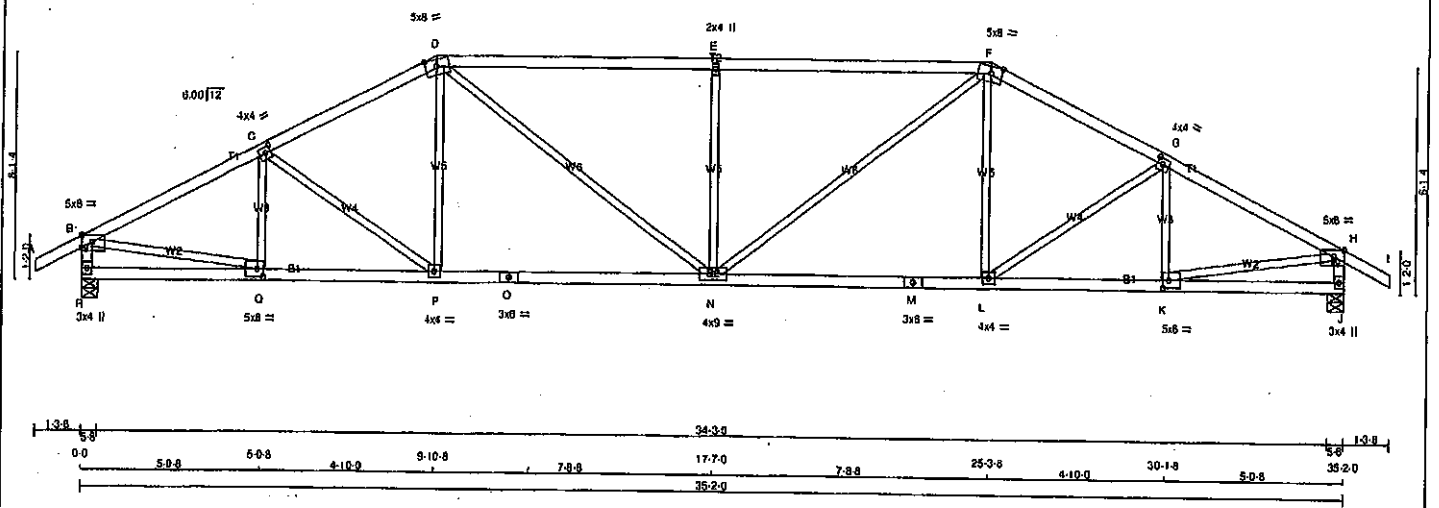
JSI GRIP= 0.89 (L) (INPUT = 0.90)

JSI METAL= 0.77 (N) (INPUT = 1.00)



Structural component only
DWG# T-2007109

JOB NAME 408152	TRUSS NAME T42	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.316 S Oct 29 2019 Mittek Industries, Inc. Sat Apr 25 11:29:36 2020 Page 1	
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				Scale = 1:57.3	



LUMBER			
N. L. G. A. RULES	CHOIRS	SIZE	LUMBER
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			
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-i	MT20	4.0	4.0	2.00 1.75
D TMWW-m	MT20	5.0	8.0	2.25 3.75
E TMWW-w	MT20	2.0	4.0	
F TMWW-m	MT20	5.0	8.0	2.25 3.75
G TMWW-i	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-i	MT20	5.0	8.0	2.50 2.00
L BMWW-i	MT20	4.0	4.0	
M BS-i	MT20	3.0	8.0	
N BMWW-i	MT20	4.0	9.0	
O BS-i	MT20	3.0	8.0	
P BMWW-i	MT20	4.0	4.0	
Q BMWW-i	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									
	FACTORED	MAXIMUM FACTORED	INPUT	RECORD					
	GROSS REACTION	GROSS REACTION	BRG	BRG					
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX		
R	2083	0	2083	0	0	5-8	5-8		
J	2083	0	2083	0	0	5-8	5-8		
UNFACTORED REACTIONS									
1ST LCASE	MAX	MIN	COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.	LIVE	WIND	DEAD	SOIL	
R	1457	969 / 0	0 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0	
J	1457	969 / 0	0 / 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 = 2.76 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	FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.	MAX. FACTORED	
	(LBS)	(PLF)	CS1 (LC)	UNBRAC	LENGTH	FR-TO		(LBS)	MAX
									(LC)
FR-TO									
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	Q-C	-353 / 0	0.08 (1)	
B-C	-2834 / 0	-91.8	-91.8	0.39 (1)	3.81	Q-P	-210 / 0	0.13 (1)	
C-D	-2887 / 0	-91.8	-91.8	0.37 (1)	3.91	P-D	0 / 246	0.08 (4)	
D-E	-3080 / 0	-91.8	-91.8	0.97 (1)	2.78	D-N	0 / 844	0.19 (1)	
E-F	-3080 / 0	-91.8	-91.8	0.97 (1)	2.78	N-E	-872 / 0	0.51 (1)	
F-G	-2887 / 0	-91.8	-91.8	0.37 (1)	3.91	N-F	0 / 844	0.19 (1)	
G-H	-2834 / 0	-91.8	-91.8	0.39 (1)	3.81	L-F	0 / 246	0.08 (4)	
H-I	0 / 28	-91.8	-91.8	0.12 (1)	10.00	L-G	-210 / 0	0.13 (1)	
R-B	-2018 / 0	0.0	0.0	0.20 (1)	5.94	K-Q	-353 / 0	0.08 (1)	
J-H	-2018 / 0	0.0	0.0	0.20 (1)	5.94	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)	10.00				
Q-P	0 / 2555	-18.5	-18.5	0.51 (1)	10.00				
P-O	0 / 2388	-18.5	-18.5	0.49 (1)	10.00				
O-N	0 / 2388	-18.5	-18.5	0.49 (1)	10.00				
N-M	0 / 2388	-18.5	-18.5	0.49 (1)	10.00				
M-L	0 / 2388	-18.5	-18.5	0.49 (1)	10.00				
L-K	0 / 2555	-18.5	-18.5	0.51 (1)	10.00				
K-J	0 / 0	-18.5	-18.5	0.10 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF
DL = 8.0 PSF

BOT CH. LL = 0.0 PSF
DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 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 BCBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = L/999 (0.17")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/999 (0.34")

CSK: TC=0.97/1.00 (D-E:1), BC=0.51/1.00 (K-L:1), WB=0.59/1.00 (H-K:1), SS=0.34/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

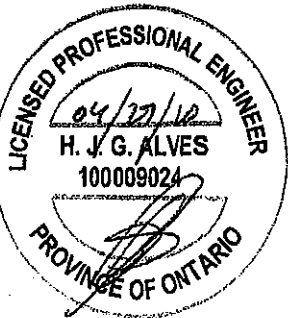
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

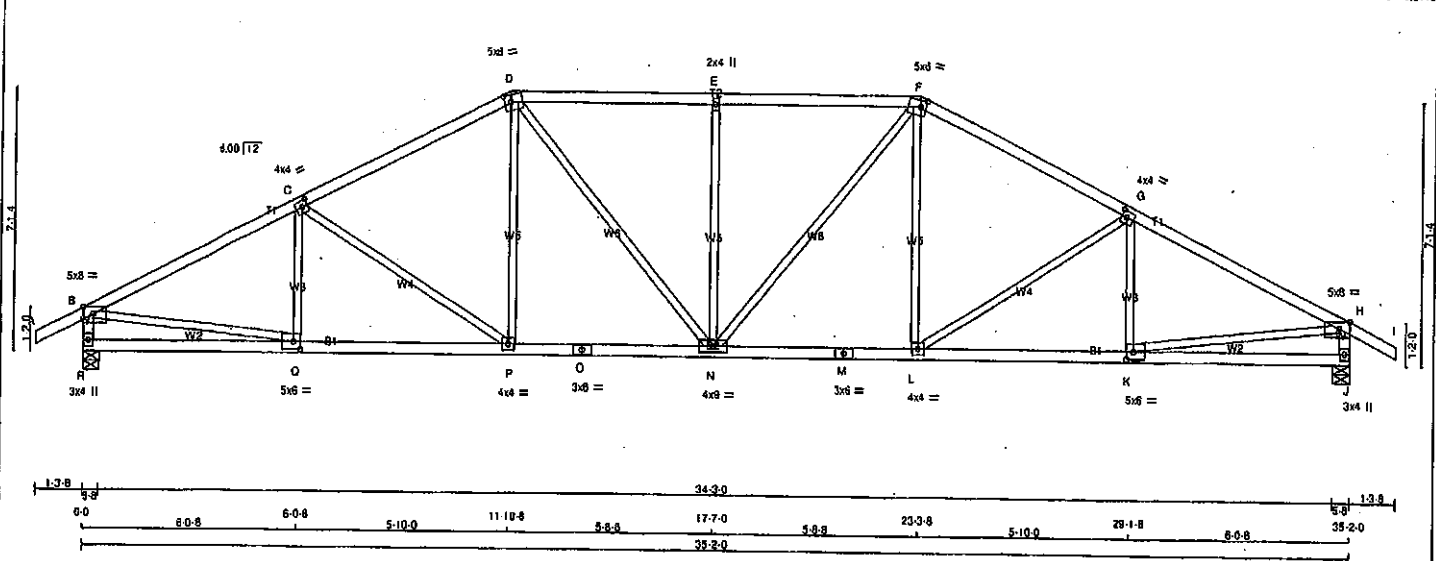
PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2007110

JOB NAME 408152	TRUSS NAME T43	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.310 S Oct 29 2019 Mtek Industries, Inc. Sat Apr 25 11:29:37 2020 Page 1	
ID: i7v7aG0E03cRUj8X1jSrk2iWYK-MCzB_kw3N24LBWQc6dPpPq2FRBXuIKPbIVTazNCOS					



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

PLATES (tablets in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW-p	MT20	5.0	8.0	Edge 3.50
C	TMVW-l	MT20	4.0	4.0	2.00 1.75
D	TTWW-m	MT20	5.0	6.0	2.25 2.00
E	TMVW-w	MT20	2.0	4.0	
F	TTWW-m	MT20	5.0	6.0	2.25 2.00
G	TMVW-l	MT20	4.0	4.0	2.00 1.75
H	TMVW-p	MT20	5.0	8.0	Edge 3.50
J	BMV1-p	MT20	3.0	4.0	
K	BMVW-l	MT20	5.0	6.0	2.50 2.25
L	BMVW-l	MT20	4.0	4.0	
M	BS-l	MT20	3.0	6.0	
N	BMVW-w	MT20	4.0	4.0	
O	BS-l	MT20	3.0	6.0	
P	BMVW-l	MT20	4.0	4.0	
Q	BMVW-l	MT20	5.0	6.0	2.50 2.25
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

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	IN-SX	IN-SX
R	2063	0	5-8	5-8
J	2063	0	5-8	5-8

UNFACTORED REACTIONS

1ST LOASE	MAX. MIN. COMPONENT 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 = 3.58 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED	FACTORED	MAX. FACTORED	MEMB.	MAX. FACTORED	FACTORED	MAX. FACTORED
	FORCE (LBS)	VERT. LOAD (LBS)	CSH (LC)		FORCE (LBS)	VERT. LOAD (LBS)	CSH (LC)
FR-TO				FR-TO			
A-B	0 / 28	-91.8	-91.8 0.12 (1)	Q-C	-255 / 12	0.07 (1)	
B-C	-2869 / 0	-91.8	-91.8 0.55 (1)	C-P	-435 / 0	0.42 (1)	
C-D	-2539 / 0	-91.8	-91.8 0.52 (1)	P-D	0 / 350	0.08 (1)	
D-E	-2559 / 0	-91.8	-91.8 0.49 (1)	D-N	0 / 482	0.11 (1)	
E-F	-2559 / 0	-91.8	-91.8 0.49 (1)	N-E	-641 / 0	0.56 (1)	
F-G	-2539 / 0	-91.8	-91.8 0.52 (1)	N-F	0 / 482	0.11 (1)	
G-H	-2869 / 0	-91.8	-91.8 0.58 (1)	L-F	0 / 350	0.08 (1)	
H-I	0 / 28	-91.8	-91.8 0.12 (1)	L-G	-435 / 0	0.42 (1)	
R-B	-2014 / 0	0.0	0.0 0.20 (1)	K-G	-255 / 12	0.07 (1)	
J-H	-2014 / 0	0.0	0.0 0.20 (1)	K-Q	0 / 2635	0.59 (1)	
				K-H	0 / 2635	0.59 (1)	
R-Q	0 / 0	-18.5	-18.5 0.15 (4)				
Q-P	0 / 2609	-18.5	-18.5 0.49 (1)				
P-O	0 / 2249	-18.5	-18.5 0.43 (1)				
O-N	0 / 2249	-18.5	-18.5 0.43 (1)				
N-M	0 / 2249	-18.5	-18.5 0.43 (1)				
M-L	0 / 2249	-18.5	-18.5 0.43 (1)				
L-K	0 / 2609	-18.5	-18.5 0.49 (1)				
K-J	0 / 0	-18.5	-18.5 0.15 (4)				

TOTAL WEIGHT = 2 X 145 = 289 lb (M/F)

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. G/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 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 (1.17")
CALCULATED VERT. DEFL.(LL) = L/999 (0.15")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/999 (0.28")

CSI: TC=0.59/1.00 (G-H:1), BC=0.49/1.00 (K-L:1),
WB=0.59/1.00 (B-Q:1), SSI=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 1665

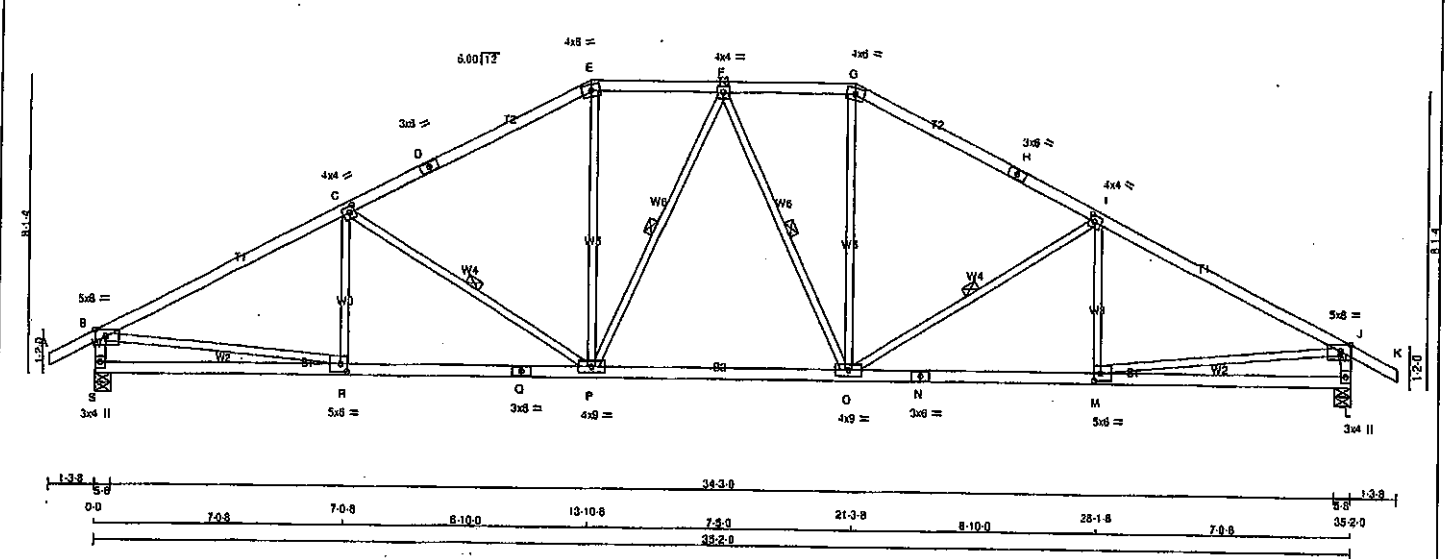
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.89 (O) (INPUT = 0.90)
JSI METAL = 0.69 (M) (INPUT = 1.00)



Structural component only
DWG# T-2007111



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 - Q	2x4	DRY	No.2
Q - N	2x4	DRY	No.2
N - L	2x4	DRY	No.2
ALL WEBS EXCEPT	2x3	DRY	No.2

DESIGNER

SPF

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQ'D
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	HORZ	UPLIFT
S	2083	0	2083	0
L	2083	0	2083	0

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS					
COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	1457	989 / 0	0 / 0	0 / 0	488 / 0	0 / 0
S	1457	989 / 0	0 / 0	0 / 0	488 / 0	0 / 0
L	1457	989 / 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 = 3.25 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

LOADING

TOTAL WEIGHT = 2 X 145 = 291 lb

(M/F)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 26.8 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

PLATES (tablets in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	Edge	3.50
C	TMVW-t	MT20	4.0	4.0	2.00	1.75
D	TS-t	MT20	3.0	6.0		
E	TTW-m	MT20	4.0	6.0		
F	TMVW-t	MT20	4.0	4.0		
G	TTW-m	MT20	4.0	6.0		
H	TS-t	MT20	3.0	6.0		
I	TMVW-t	MT20	4.0	4.0	2.00	1.75
J	TMVW-p	MT20	5.0	8.0	Edge	3.50
L	BMV1-p	MT20	3.0	4.0		
M	BMVW-t	MT20	5.0	6.0	2.50	2.25
N	BS-t	MT20	3.0	6.0		
O	BMVW-t	MT20	4.0	9.0		
P	BMVW-t	MT20	4.0	9.0		
Q	BS-t	MT20	3.0	6.0		
R	BMVW-t	MT20	5.0	6.0	2.50	2.25
S	BMV1-p	MT20	3.0	4.0		

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

CHORDS

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED HORZ. LOAD (LBS)	MAX. UNBRACED LENGTH (FT)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED HORZ. LOAD (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO						FR-TO				
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	R-C	-182 / 52	0.06 (1)	0.29 (1)	0.15 (1)
B-C	-2906 / 0	-91.8	-91.8	0.83 (1)	3.25	C-P	-637 / 0	0.15 (1)	0.11 (1)	0.11 (1)
C-D	-2373 / 0	-91.8	-91.8	0.72 (1)	3.66	P-E	0 / 674	0.11 (1)	0.11 (1)	0.11 (1)
D-E	-2373 / 0	-91.8	-91.8	0.72 (1)	3.66	F-F	-222 / 0	0.11 (1)	0.11 (1)	0.11 (1)
E-F	-2100 / 0	-91.8	-91.8	0.19 (1)	4.53	F-O	-222 / 0	0.11 (1)	0.11 (1)	0.11 (1)
F-G	-2100 / 0	-91.8	-91.8	0.19 (1)	4.53	O-G	0 / 674	0.15 (1)	0.15 (1)	0.15 (1)
G-H	-2373 / 0	-91.8	-91.8	0.72 (1)	3.66	O-I	-637 / 0	0.29 (1)	0.08 (1)	0.08 (1)
H-I	-2373 / 0	-91.8	-91.8	0.72 (1)	3.66	M-I	-182 / 52	0.08 (1)	0.60 (1)	0.60 (1)
I-J	-2906 / 0	-91.8	-91.8	0.83 (1)	3.25	B-R	0 / 2949	0.60 (1)	0.60 (1)	0.60 (1)
J-K	0 / 28	-91.8	-91.8	0.12 (1)	10.00	M-J	0 / 2949	0.60 (1)	0.60 (1)	0.60 (1)
S-B	-2008 / 0	0.0	0.0	0.20 (1)	5.98					
L-J	-2008 / 0	0.0	0.0	0.20 (1)	5.98					
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 / 2183	-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					

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. 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 CBC 2018, OBC 2012, ABC 2019

- PART 9 OF OBC 2012 (2019 AMENDMENT)

- CSA 086-09, CSA 085-14

- 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 (0.30")

OSI: TC=0.83/1.00 (I-J), BC=0.52/1.00 (M-O), WB=0.60/1.00 (B-R), SI=0.28/1.00 (I-J)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

MAX MIN MAX MIN MAX MIN

MT20 618 354 1667 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (M) (INPUT = 0.50)

JSI METAL= 0.79 (N) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER

04/09/18

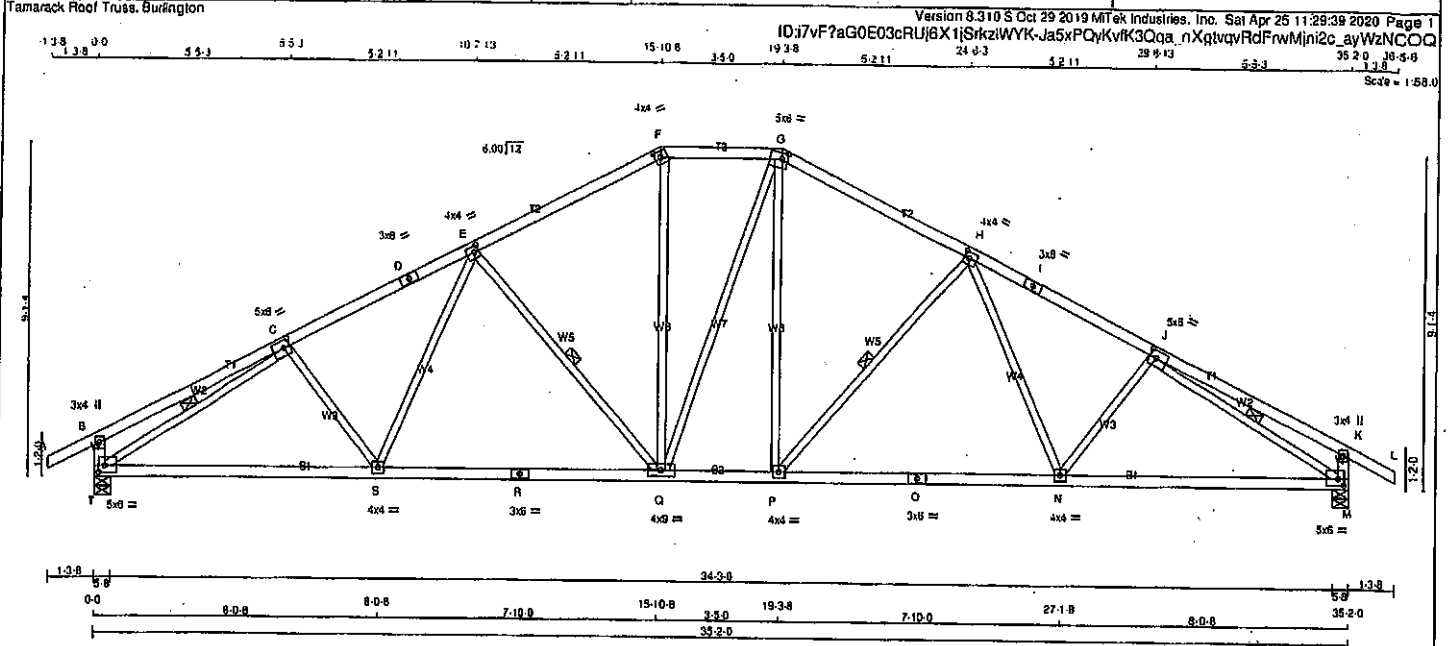
H. J. G. ALVES

100009024

PROVINCE OF ONTARIO

Structural component only

DWG# T-2007112



LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	DOWN	UP	IN-SX
T	2063	0	0	5-8
M	2063	0	0	5-8

UNFACTORED REACTIONS

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

BEARING MATERIAL TO BE SPF 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, G-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)

MEMB.	FR-TO	CHORDS		WEBS	
		MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. UNBRACED LENGTH FR-TO	MAX. FACTORED FORCE (LBS)
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00
B-C	0 / 19	-91.8	-91.8	0.32 (1)	10.00
C-D	-2759 / 0	-91.8	-91.8	0.40 (1)	3.88
D-E	-2759 / 0	-91.8	-91.8	0.18 (1)	3.88
E-F	-2167 / 0	-91.8	-91.8	0.35 (1)	4.30
F-G	-1925 / 0	-91.8	-91.8	0.18 (1)	4.71
G-H	-2166 / 0	-91.8	-91.8	0.38 (1)	4.30
H-I	-2760 / 0	-91.8	-91.8	0.40 (1)	3.88
I-J	-2760 / 0	-91.8	-91.8	0.40 (1)	3.88
J-K	0 / 19	-91.8	-91.8	0.32 (1)	10.00
K-L	0 / 28	-91.8	-91.8	0.12 (1)	10.00
T-B	-326 / 0	0.0	0.0	0.03 (1)	7.81
M-K	-326 / 0	0.0	0.0	0.03 (1)	7.81
T-S	0 / 2536	-18.5	-18.5	0.55 (1)	10.00
S-R	0 / 2362	-18.5	-18.5	0.53 (1)	10.00
R-Q	0 / 2362	-18.5	-18.5	0.53 (1)	10.00
Q-P	0 / 1924	-18.5	-18.5	0.40 (1)	10.00
P-O	0 / 2362	-18.5	-18.5	0.53 (1)	10.00
O-N	0 / 2362	-18.5	-18.5	0.53 (1)	10.00
N-M	0 / 2537	-18.5	-18.5	0.56 (1)	10.00

TOTAL WEIGHT = 2 X 151 = 302 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.8 PSF

OL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. CC

LOADING IN FLAT SECTION BASED ON A SLOPE OF 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 (2018 AMENDMENT)
- CSA 088-09, CSA 088-14
- 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 (1.17")

CALCULATED VERT. DEFL. (LL) = L/999 (0.15")

ALLOWABLE DEFL. (TL) = L/360 (1.17")

CALCULATED VERT. DEFL. (TL) = L/999 (0.32")

CSI: TC=0.40/1.00 (H-J-I), BC=0.58/1.00 (M-N-I), WB=0.85/1.00 (J-M-I), SS=0.20/1.00 (B-C-I)

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 HEELS OFF

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

NAIL VALUES

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

MAX MIN MAX MIN MAX MIN

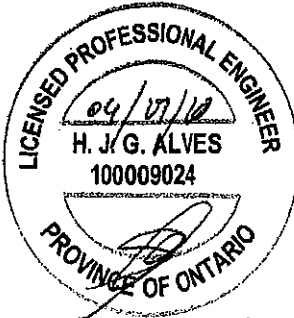
MT20 618 354 1867 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

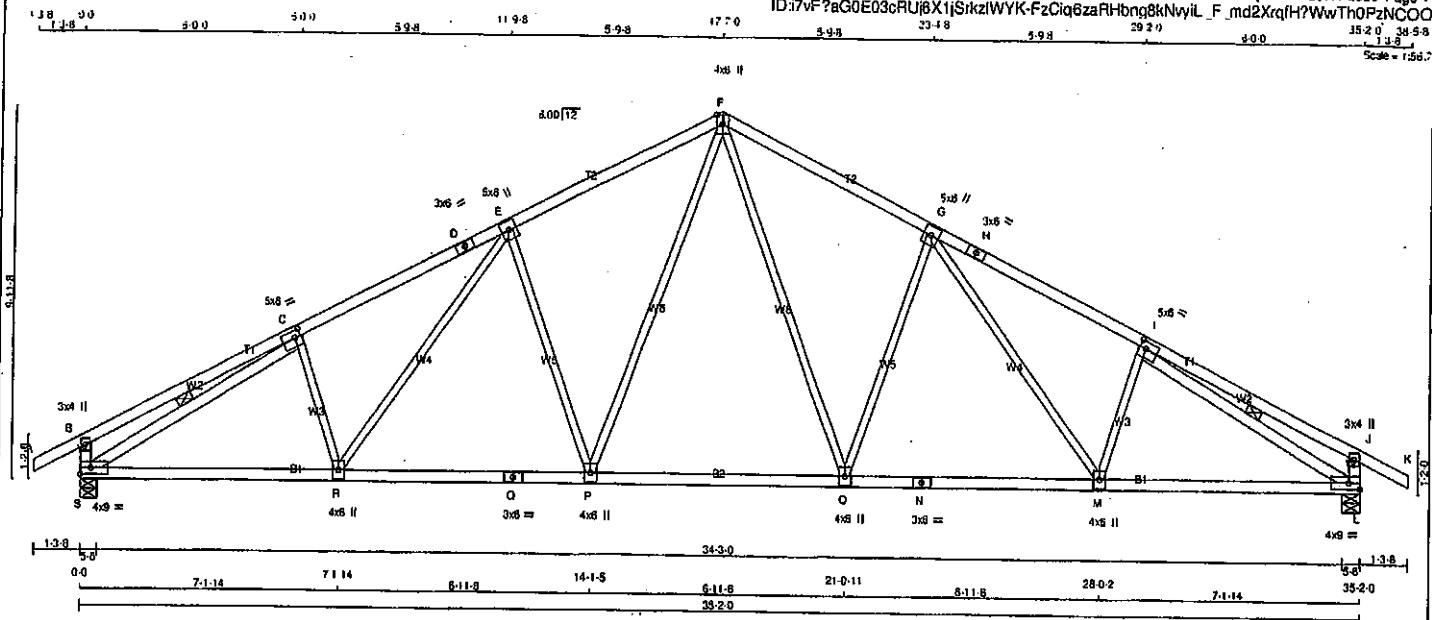
JSI METAL= 0.83 (O) (INPUT = 1.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408152	T46	6	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:7vF?aG0E03cRUj8X1jSkzWYK-FzCiq6zaRHong8kNvyIL_F_md2XrqfH?WwThOpZnCOO



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
F - H	2x4	DRY	No.2
H - K	2x4	DRY	No.2
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 is in inches)				
JT	TYPE	W	LEN	Y X
B	TMV+p	MT20	3.0	4.0
C	TMVW-1	MT20	5.0	8.0 2.25 2.00
D	TS-1	MT20	3.0	6.0
E	TMVW-1	MT20	5.0	8.0
F	TMVW-1	MT20	4.0	6.0 Edge
G	TMVW-1	MT20	5.0	8.0
H	TS-1	MT20	3.0	6.0
I	TMVW-1	MT20	5.0	8.0 2.25 2.00
J	TMV+p	MT20	3.0	4.0
L	BMVW-1	MT20	4.0	9.0 Edge
M, O, P, R				
M	BMVW-1	MT20	4.0	8.0
N	BS-1	MT20	3.0	6.0
Q	BS-1	MT20	3.0	6.0
S	BMVW-1	MT20	4.0	9.0 Edge

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

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

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
S	1457	969 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0
L	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) 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, 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. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MAX. FACTORED FORCE (LBS)
FR-TO		FROM TO		FR-TO			
A-B	0 / 28	-91.8 -91.8 0.12 (1)	10.00	F-O	0 / 866	0.19 (1)	
B-C	0 / 22	-91.8 -91.8 0.40 (1)	10.00	O-G	-726 / 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 / 886	0.19 (1)	
F-G	-2322 / 0	-91.8 -91.8 0.46 (1)	4.07	E-P	-726 / 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	-3064 / 0	0.72 (1)	
J-K	0 / 28	-91.8 -91.8 0.12 (1)	10.00	I-L	-3064 / 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				

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 GIG

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 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 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.14")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.28")

CSI: TO=0.49/1.00 (C-E:1), BC=0.53/1.00 (L-M:1), WB=0.72/1.00 (E-P:1), SS=0.22/1.00 (J-K: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	GRP(DRY)	SHEAR	SECTION
(PS)	(PL)	(PL)	(PL)
MT20	818	354	1687

PLATE PLACEMENT TOL = 0.250 inches

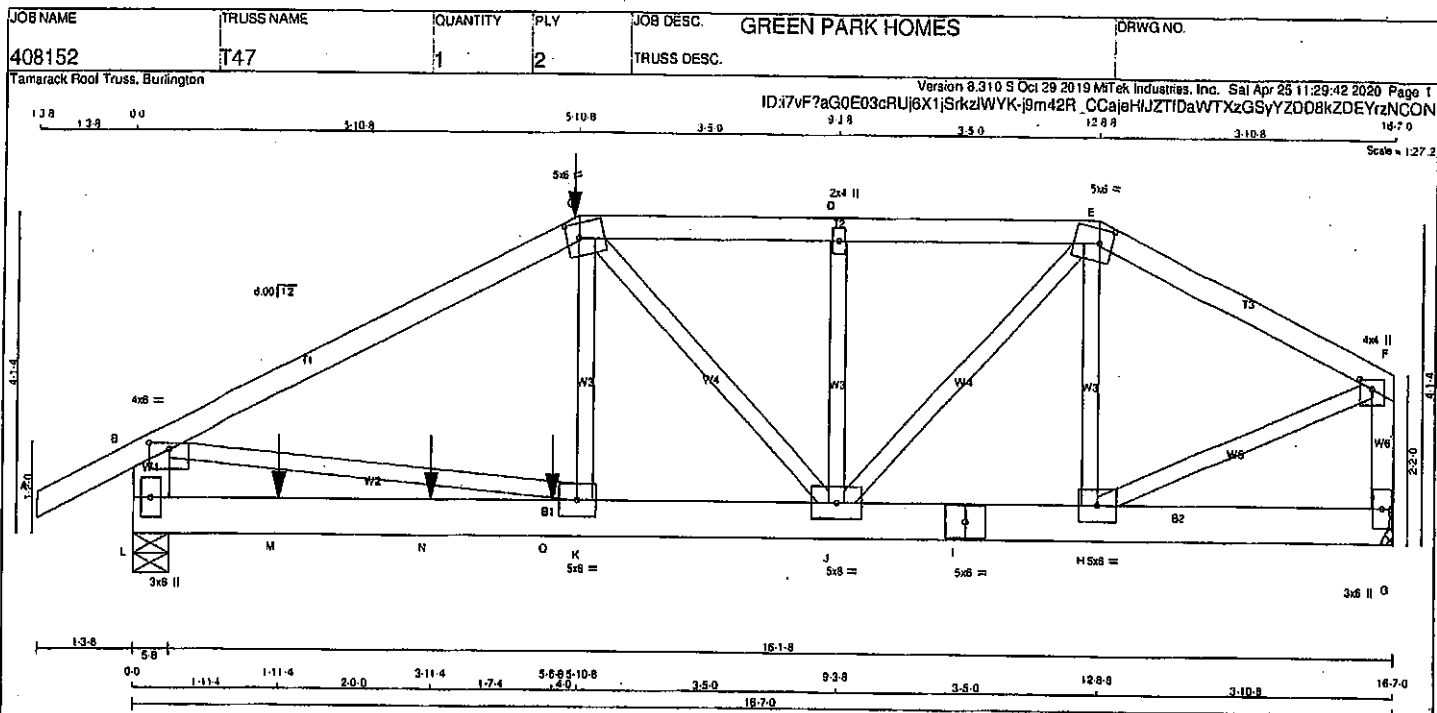
PLATE ROTATION TOL = 5.0 Deg.

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

JSI METAL=0.77 (I) (INPUT = 1.00)



Structural component only
DWG# T-2007114



LUMBER

N.L.G.A. RULES

CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
E - F	2x4	DRY	No.2	SPF
L - B	2x6	DRY	No.2	SPF
G - F	2x4	DRY	No.2	SPF
L - I	2x6	DRY	No.2	SPF
I - G	2x6	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF

EXCEPT

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS		
A - C	12	SIDE (61.0)
C - E	12	SIDE (61.0)
E - F	12	TOP
G - F	12	TOP
L - B	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
L - I	12	SIDE (0.0)
I - G	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 TRANSFERING. 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	REORD BRG
JT VERT	2005	0	0	0
L 2005	0	2005	0	0
G 1397	0	1397	0	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT G. MINIMUM BEARING LENGTH AT JOINT G = 2.0.

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT COMBINED	
L 1412	950 / 0
G 985	682 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.18 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		WEBS	
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED FORCE (LBS)	FACTORED MAX. FORCE (LBS)
FR-TO				
A-B	0 / 28	-91.8	0 / 943	0.12 (1)
B-C	-2843 / 0	-91.8	-848 / 0	0.13 (1)
C-D	-1951 / 0	-91.8	-371 / 0	0.05 (1)
D-E	-1951 / 0	-91.8	0 / 1047	0.13 (1)
E-F	-1405 / 0	-91.8	-448 / 0	0.06 (1)
L-B	-1685 / 0	0.0	0 / 2382	0.29 (1)
G-F	-1369 / 0	0.0	0 / 1375	0.17 (1)
L-M	0 / 0	-18.5		
M-N	0 / 0	-18.5		
N-O	0 / 0	-18.5		
O-K	0 / 0	-18.5		
K-J	0 / 2389	-18.5		
J-I	0 / 1243	-18.5		
I-H	0 / 1243	-18.5		
H-G	0 / 0	-18.5		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	5-10.8	-320	-320	---	FRONT	VERT	TOTAL	---	C1
M	1-11.4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
N	3-11.4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
O	5-6.8	-1076	-1076	---	FRONT	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. 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, 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 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL. (LL) = L/360 (0.55")
CALCULATED VERT. DEFL. (LL) = L/999 (0.03")
ALLOWABLE DEFL. (TL) = L/360 (0.55")
CALCULATED VERT. DEFL. (TL) = L/999 (0.03")

CSI: TC=0.371/0.0 (B-C:1), BC=0.24/1.00 (J-K:1), WB=0.29/1.00 (B-K:1), SS=0.37/1.00 (K-L:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE 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 783 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.80 (B) (INPUT = 0.90)
JSI METAL = 0.32 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007115 1/2

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408152	T47	1	2	GREEN PARK HOMES	

Tamarack Pool Truss, Burlington

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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-t	MT20	5.0	6.0		
I	BS-t	MT20	5.0	6.0		
J	BMWWW-t	MT20	5.0	6.0		
K	BMWW-t	MT20	5.0	6.0		
L	BMV1+p	MT20	3.0	6.0		

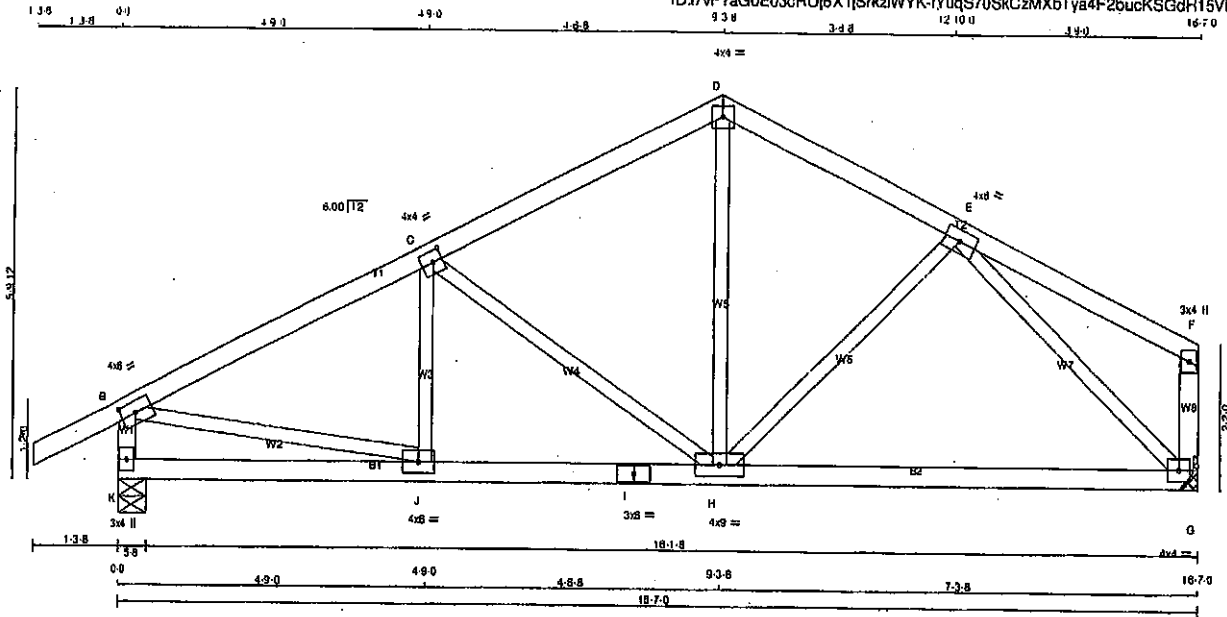


Structural component only
DWG# T-2007115 *ML*

Structural component only
DWG# T-2007116

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408152	T49	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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Scale: 3/8" = 1'

TOTAL WEIGHT = 67 lb (M/F)

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

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	8.0	2.00	3.00
C	TMVW-t	MT20	4.0	4.0	2.00	1.75
D	TTW-p	MT20	4.0	4.0		
E	TMVW-t	MT20	4.0	6.0		
F	TMV-p	MT20	3.0	4.0		
G	BMVW-t	MT20	4.0	4.0		
H	BMVW-t	MT20	4.0	9.0		
I	BS-t	MT20	3.0	6.0		
J	BMVW-t	MT20	4.0	6.0		
K	BMV-t	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	HORIZ	DOWN	HORIZ	UPLIFT	IN-SX	IN-SX		
K	1039	0	1039	0	0	5-8	5-8		
G	914	0	914	0	0	MECHANICAL			

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERMANENT	WIND	DEAD	SOIL
K	732	494/0	0/0	0/0	0/0	238/0	0/0
G	648	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.	FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS (LC)	MEMB.	FACTORED FORCE (LBS)	MAX. CS (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0/28	-91.8 -91.8 0.12 (1)	10.00	J-C	-114/23	0.02 (1)	
B-C	-1135/0	-91.8 -91.8 0.26 (1)	5.66	C-H	-418/0	0.22 (1)	
C-D	-799/0	-91.8 -91.8 0.25 (1)	8.25	H-D	0/407	0.09 (1)	
D-E	-793/0	-91.8 -91.8 0.15 (1)	6.25	H-E	-39/37	0.02 (1)	
E-F	0/17	-91.8 -91.8 0.19 (1)	10.00	B-J	0/1051	0.24 (1)	
K-B	-988/0	0.0 0.0 0.10 (1)	7.81	E-G	-1028/0	0.44 (1)	
G-F	-129/0	0.0 0.0 0.02 (1)	7.81				
K-J	0/0	-18.5 -18.5 0.10 (4)	10.00				
J-I	0/1034	-18.5 -18.5 0.29 (4)	10.00				
I-H	0/1034	-18.5 -18.5 0.29 (4)	10.00				
H-G	0/722	-18.5 -18.5 0.26 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	25.6	PSF
	DL	=	8.0	PSF
ROT CH.	LL	=	0.0	PSF
	DL	=	7.4	PSF
TOTAL LOAD		=	38.0	PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, 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 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 (0.55")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.55")
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), SS=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.

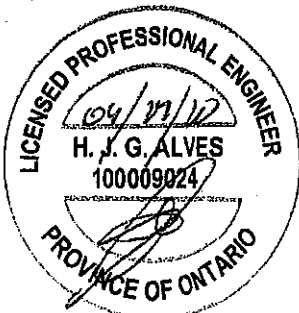
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1667 788
	1927	1656

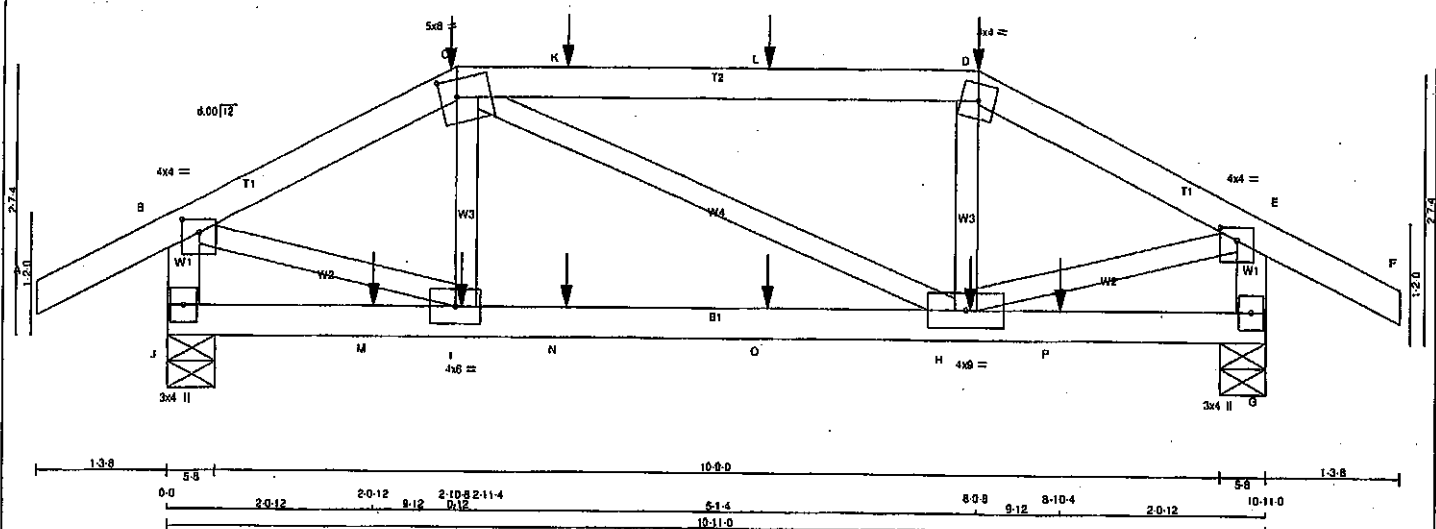
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.84 (G) (INPUT = 0.90)
JSI METAL = 0.36 (I) (INPUT = 1.00)



Structural component only
DWG# T-2007117



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER	DESC.
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 EXCEPT	2x3	DRY	No.2	SPF

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	TTW-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	BMV1-p	MT20	3.0	4.0		
H	BMVWV-I	MT20	4.0	9.0		
I	BMVW-I	MT20	4.0	6.0		
J	BMV1-p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ UPLIFT		
J	868	0	868	0	5-8	5-8
G	868	0	868	0	5-8	5-8

UNFACTORED REACTIONS							
	1ST LCASE	MAX / MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
J	811	416 / 0	0 / 0	0 / 0	0 / 0	195 / 0	0 / 0
G	810	415 / 0	0 / 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 = 6.09 FT.

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FACTORED		MAX. UNBRACED LENGTH	MEMB.	WEBS		MAX. UNBRACED LENGTH
	FORCE (LBS)	VERT. LOAD (LBS)	VERT. LOAD (LBS)	VERT. LOAD (LBS)			FORCE (LBS)	VERT. LOAD (LBS)	
FR-TO						FR-TO			
A-B	0 / 28	-91.8	-91.8	0.13 (1)	10.00	I-C	-121 / 32	0.02 (1)	0.02 (1)
B-C	-837 / 0	-91.8	-91.8	0.15 (1)	8.25	C-H	0 / 2	0.00 (4)	0.00 (4)
C-K	-743 / 0	-91.8	-91.8	0.50 (1)	8.09	H-D	-118 / 34	0.02 (1)	0.02 (1)
K-L	-743 / 0	-91.8	-91.8	0.50 (1)	8.09	B-I	0 / 778	0.19 (1)	0.19 (1)
L-D	-743 / 0	-91.8	-91.8	0.50 (1)	6.09	I-E	0 / 783	0.19 (1)	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	DIR.	TYPE	HEEL	CONN.
C	2-10.8	-119	-119		FRONT	VERT	TOTAL		C1
D	8-0.8	-119	-119		FRONT	VERT	TOTAL		C1
H	7-11.12	-5	-5		FRONT	VERT	TOTAL		C1
I	2-11.4	-5	-5		FRONT	VERT	TOTAL		C1
K	3-11.12	-7	-7		FRONT	VERT	TOTAL		C1
L	5-11.12	-7	-7		FRONT	VERT	TOTAL		C1
M	2-0.12	-5	-5		FRONT	VERT	TOTAL		C1
N	3-11.12	-5	-5		FRONT	VERT	TOTAL		C1
O	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 = 25.6 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, NBCC 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 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 (0.36")

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

ALLOWABLE DEFL. (TL) = L/380 (0.36")

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

CSH: TC=0.50/1.00 (C-D:1), BC=0.18/1.00 (H-I:1), WB=0.19/1.00 (E-H:1), SI=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 SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

MT20 618 354 1667 788 1967 1666

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

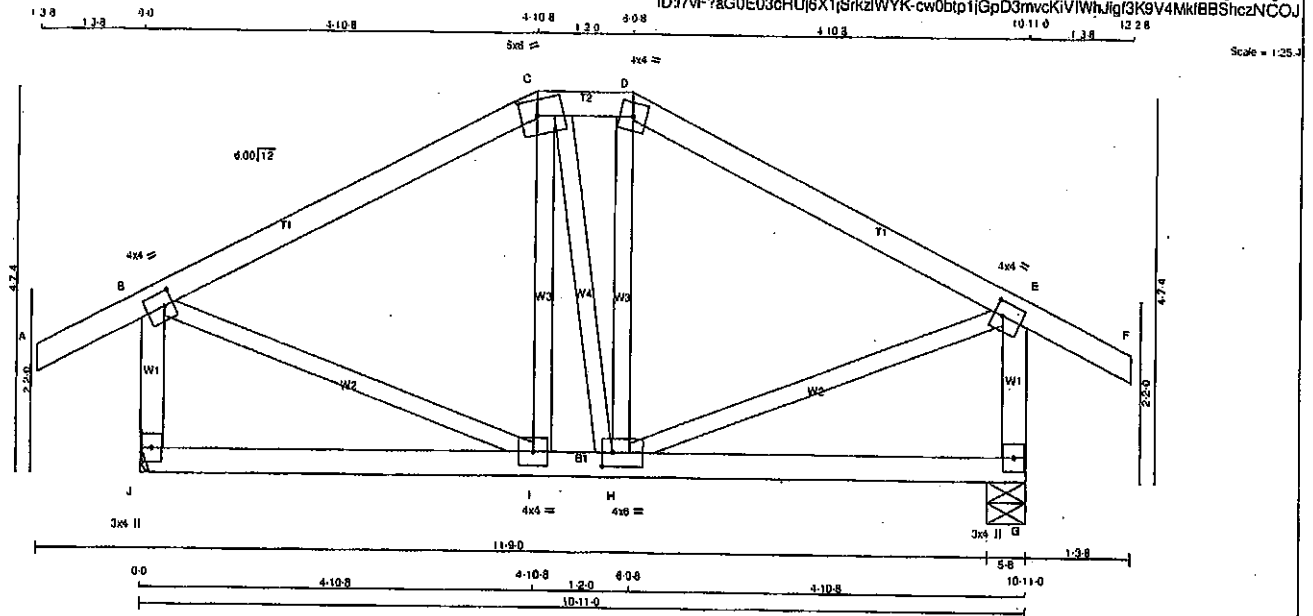
JSI GRIP = 0.77 (E) (INPUT = 0.90)

JSI METAL = 0.28 (E) (INPUT = 1.00)



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

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TOTAL WEIGHT = 52 lb
[MIP]

LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
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 is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-1	MT20	4.0	4.0	2.00	1.25
C	TTWV-m	MT20	5.0	8.0	2.25	2.25
D	TTW-m	MT20	4.0	4.0		
E	TMVW-1	MT20	4.0	4.0	2.00	1.25
G	BMV1+p	MT20	3.0	4.0		
H	BMVWV-1	MT20	4.0	8.0	2.00	1.50
I	BMVW-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	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
J	728	0	728	0	0
G	728	0	728	0	0

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	511	349 / 0	0 / 0	0 / 0	0 / 0	183 / 0	0 / 0
G	511	349 / 0	0 / 0	0 / 0	0 / 0	183 / 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		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM	TO	FR-TO			
A-B	0 / 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)	8.25	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./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 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.36")
CALCULATED VERT. DEFL.(LL) = 1 / 999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.36")
CALCULATED VERT. DEFL.(TL) = 1 / 999 (0.02")

CSI: TC=0.28/1.00 (B-C:1), BC=0.14/1.00 (H-I:4), WB=0.09/1.00 (B-I:1), SI=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.

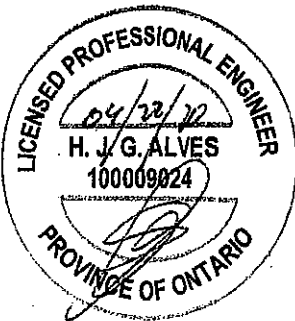
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PL)
MT20	618	354
	1687	788
	1987	1650

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

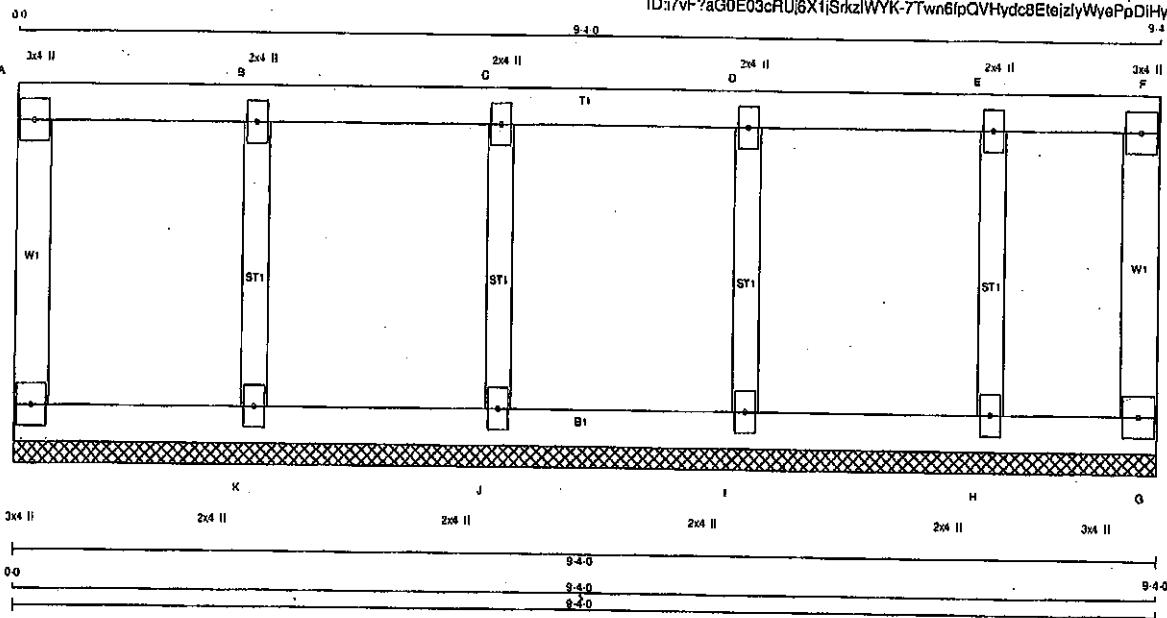
JSI GRIP = 0.68 (B) (INPUT = 0.80)
JSI METAL = 0.22 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007119



JOB NAME 408152	TRUSS NAME G52	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.310 S Oct 29 2019 MTEK Industries, Inc. Sat Apr 25 11:29:28 2020 Page 1 ID:77vF?aG0E03cRU8X1tSkzIWK-7Twn6lpQVHydc8EteizlyWyePpDIHyU4WOpV3IzNCOB	



LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
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.			

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

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER
PROVIDE ADEQUATE DRAINAGE TO PREVENT PONDING.
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 = 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)	MAX. UNBRACED LENGTH (FT)	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
FR-TO		FROM TO			FR-TO				
L-A	-101 / 0	0.0	0.0	0.03 (1)	7.81	K-B	-245 / 0	0.06 (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	0.03 (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				

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 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 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

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), SI=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 1687 788 1987 1656

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)**

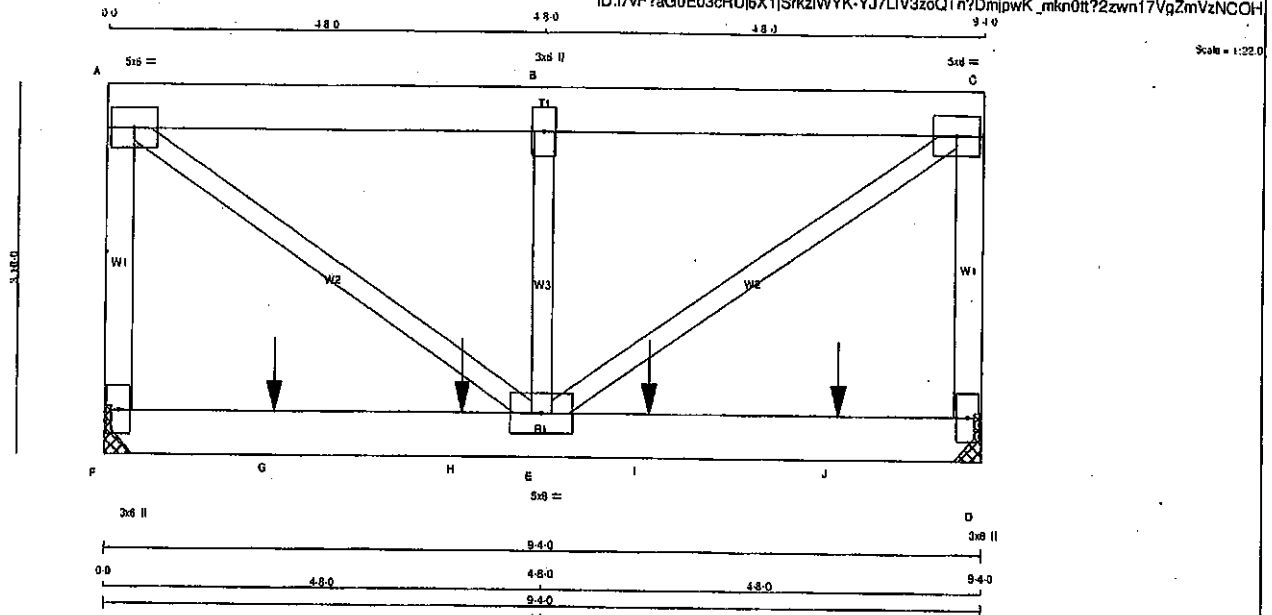


Structural component only
 DWG# T-2007104

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408152	T53	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER
F - A	2x4	DRY	No.2		
A - C	2x6	DRY	No.2		
D - C	2x4	DRY	No.2		
F - D	2x6	DRY	No.2		
ALL WEBS	2x3	DRY	No.2		
		DRY: SEASONED LUMBER.			

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

PROVIDE ADEQUATE DRAINAGE TO PREVENT PONDING

BEARINGS

FACTORED	MAXIMUM FACTORED	INPUT	RECORD
GROSS REACTION	GROSS REACTION	BRG	BRG
JT VERT	JT VERT	IN-SX	IN-SX
F 988	0	988	0
D 1012	0	1012	0

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

UNFACTORED REACTIONS

1ST CASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	705	427 / 0	0 / 0	0 / 0	0 / 0	279 / 0	0 / 0
D	722	439 / 0	0 / 0	0 / 0	0 / 0	283 / 0	0 / 0

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	FACTORED	FACTORED	WEBS	MAX. FACTORED	FACTORED	FACTORED
MEMB.	FORCE	VERT. LOAD	LC1	MAX	MEMB.	FORCE	MAX	MAX
FR-TO	(LBS)	(PLF)	CSI (LC)	UNBRAC	FR-TO	(LBS)	CSI (LC)	CSI (LC)
F-A	-846 / 0	0.0	0.0	0.23 (1)	7.45	A-E	0 / 1072	0.35 (1)
A-B	-869 / 0	-114.3	-114.3	0.24 (1)	6.25	E-B	-832 / 0	0.18 (1)
B-C	-869 / 0	-114.3	-114.3	0.24 (1)	6.25	E-C	0 / 1072	0.35 (1)
D-C	-846 / 0	0.0	0.0	0.23 (1)	7.45			
F-G	0 / 0	-18.5	-18.5	0.24 (1)	10.00			
G-H	0 / 0	-18.5	-18.5	0.24 (1)	10.00			
H-E	0 / 0	-18.5	-18.5	0.24 (1)	10.00			
E-I	0 / 0	-18.5	-18.5	0.24 (1)	10.00			
I-J	0 / 0	-18.5	-18.5	0.24 (1)	10.00			
J-D	0 / 0	-18.5	-18.5	0.24 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	1-9-12	-180	-190	---	FRONT	VERT	TOTAL	---	C1
H	3-9-12	-190	-190	---	FRONT	VERT	TOTAL	---	C1
I	5-9-12	-180	-190	---	FRONT	VERT	TOTAL	---	C1
J	7-9-12	-190	-190	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 51 lb

(M/R)

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
DL = 15.0 PSF
80T 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 0.0012

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIQ 2011, TPIQ 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 (0.31")
CALCULATED VERT. DEFL. (LL) = L/999 (0.02")
ALLOWABLE DEFL. (TL) = L/360 (0.31")
CALCULATED VERT. DEFL. (TL) = L/999 (0.04")

CSI: TC=0.24/1.00 (B-C:1), BC=0.24/1.00 (D-E:1),
WB=0.35/1.00 (A-E:1), SS=0.29/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00
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
(PS)	(PL)	(PL)
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 = 0.76 (E) (INPUT = 0.90)
JSI METAL = 0.32 (E) (INPUT = 1.00)

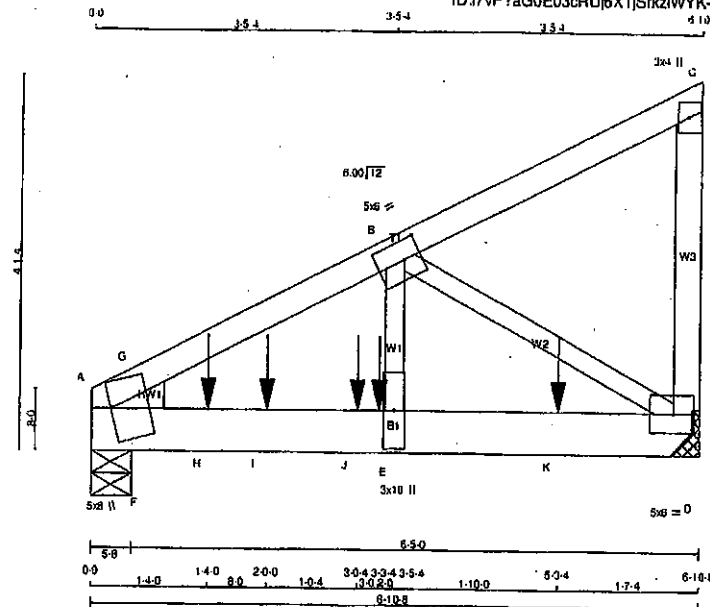


Structural component only
DWG# T-2007121

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408152	IT54	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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

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	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TBMH1+m	MT20	5.0	8.0	3.50	
B	TBMW1-t	MT20	5.0	6.0	2.50	2.25
C	TBMV+p	MT20	3.0	4.0		
D	TBMW1-t	MT20	5.0	6.0	2.50	2.75
E	TBMV+w	MT20	3.0	10.0		

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

FACTORED	MAXIMUM FACTORED	INPUT	RECORD	HEEL
GROSS REACTION	GROSS REACTION	BRG	BRG	WEDGE
JT VERT	DOWN	IN-SX	IN-SX	2x4 L
A	3467	0	5-8	
D	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	0 / 0	828 / 0	0 / 0
D	1735	1144 / 0	0 / 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	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. (PLF)	CS1 (LC)	UNBRAC	LENGTH	FR-TO	FORCE (LBS)	MAX CS1 (LC)
A-G	-4978 / 0	-91.8	-91.8	0.19 (1)	4.16	E-B	0 / 3365	0.42 (1)
G-B	-3683 / 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	0.88 (1)	10.00			
I-J	0 / 3490	-18.5	-18.5	0.88 (1)	10.00			
J-E	0 / 3490	-18.5	-18.5	0.88 (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	-994	-994	---	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 = 25.8	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

*** 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, NBCG 2010, NBCG 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

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")

CS1: TO=0.19/1.00 (A-G:1), BC=0.88/1.00 (E-F:1), WB=0.53/1.00 (B-D:1), SS=0.80/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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	818	354	1667 788 1987 1658

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)

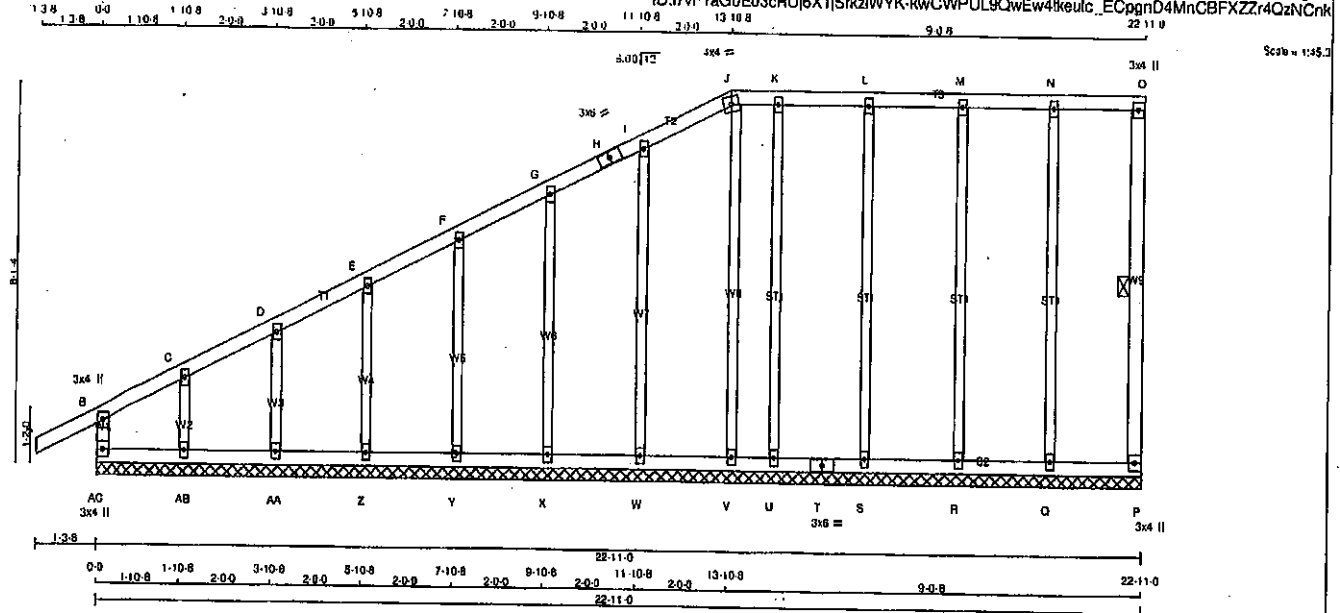


Structural component only
DWG# T-2007122

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408150	G60	4	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
AC - B	2x4	DRY	No.2
A - H	2x4	DRY	No.2
H - J	2x4	DRY	No.2
J - O	2x4	DRY	No.2
P - O	2x4	DRY	No.2
AC - T	2x4	DRY	No.2
T - P	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.			

PLATES (table is 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				
C	TMV+w	MT20	2.0	4.0
H	TS-I	MT20	3.0	8.0
J	TTW-m	MT20	4.0	4.0
O	TMV+p	MT20	3.0	4.0
P	BMV1+p	MT20	3.0	4.0
Q, R, S, U, V, W, X, Y, Z, AA, AB				
Q	BMV1+w	MT20	2.0	4.0
T	BS-I	MT20	3.0	8.0
AC	BMV1+p	MT20	3.0	4.0

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

BEARINGS
THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.
THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.
BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S)

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.
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			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)
FR-TO			
AC-B	-224/0	0.0	0.02 (1)
A-B	0/28	-91.8	-91.8 0.12 (1)
B-C	-28/0	-91.8	-91.8 0.04 (1)
C-D	-19/0	-91.8	-91.8 0.04 (1)
D-E	-15/0	-91.8	-91.8 0.04 (1)
E-F	-11/0	-91.8	-91.8 0.04 (1)
F-G	-8/0	-91.8	-91.8 0.04 (1)
G-H	-6/0	-91.8	-91.8 0.04 (1)
H-I	-6/0	-91.8	-91.8 0.04 (1)
I-J	-6/0	-91.8	-91.8 0.04 (1)
J-K	-2/0	-91.8	-91.8 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)
WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	
FR-TO			
Q-N	-185/0	0.25 (1)	
R-M	-183/0	0.23 (1)	
S-L	-188/0	0.24 (1)	
U-K	-136/0	0.17 (1)	
V-J	-131/0	0.17 (1)	
W-I	-185/0	0.17 (1)	
X-G	-183/0	0.11 (1)	
Y-F	-182/0	0.07 (1)	
Z-E	-182/0	0.05 (1)	
AA-D	-183/0	0.03 (1)	
AB-C	-176/0	0.03 (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 0.02 (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 0.01 (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

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. 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, NBC 2010, NBC 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

CSI: TC=0.12/1.00 (A-B:1), BC=0.02/1.00 (O-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

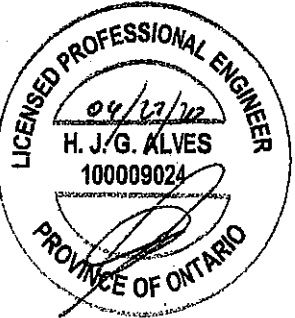
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1667 788 1887 1656

PLATE PLACEMENT TOL. = 0.250 inches

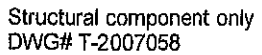
PLATE ROTATION TOL. = 5.0 Deg.

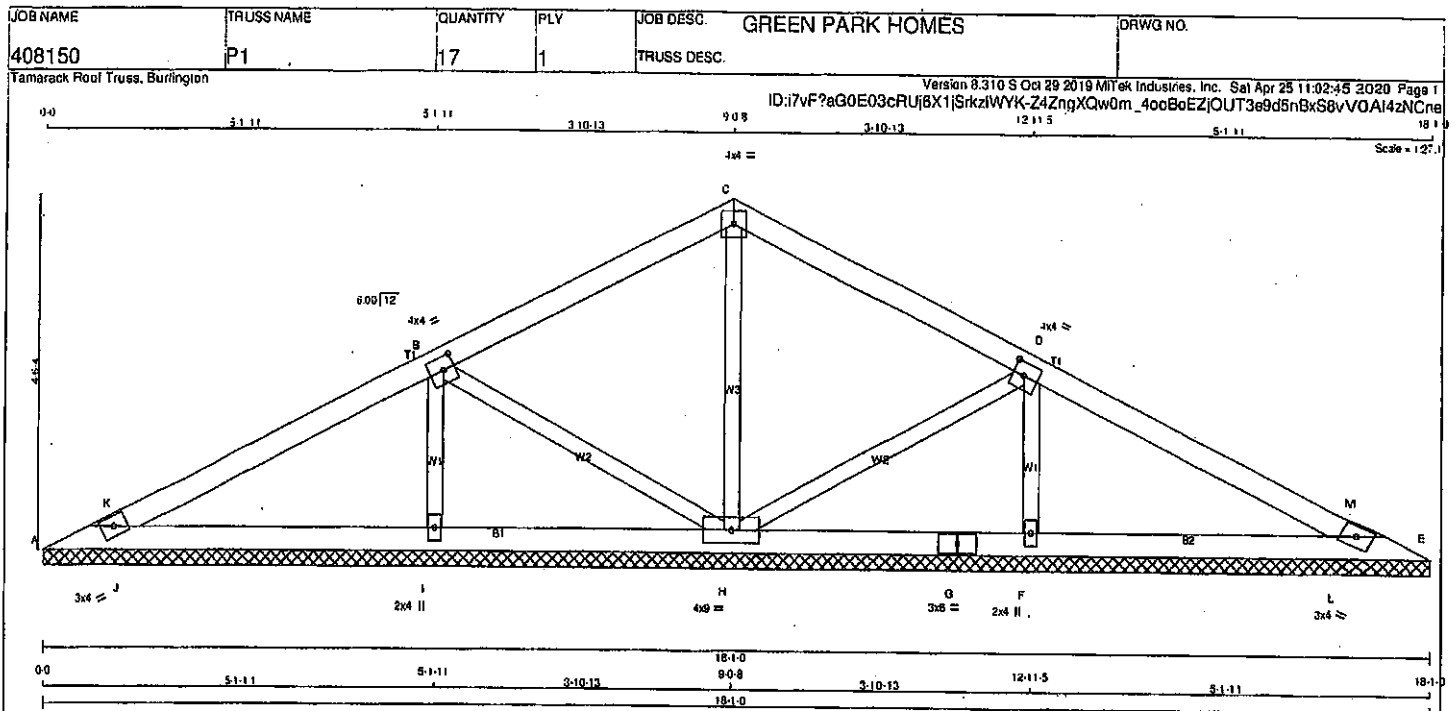
JSI GRIP= 0.60 (J) (INPUT = 0.90)
JSI METAL= 0.08 (I) (INPUT = 1.00)



Structural component only
DWG# T-2007057

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LUMBER

N.L.G.A. RULES

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

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A TBM1-h	MT20	3.0	4.0		
B TMWW-1	MT20	4.0	4.0	2.00	1.75
C TTW-p	MT20	4.0	4.0		
D TMWW-1	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 BMWW1-1	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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ
A	124	0	124	0
E	124	0	124	0
H	415	0	415	0
F	668	0	668	0
I	668	0	668	0

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
A	87	59 / 0	0 / 0	0 / 0	0 / 0	28 / 0	0 / 0
E	87	59 / 0	0 / 0	0 / 0	0 / 0	28 / 0	0 / 0
H	293	192 / 0	0 / 0	0 / 0	0 / 0	101 / 0	0 / 0
F	471	307 / 0	0 / 0	0 / 0	0 / 0	184 / 0	0 / 0
I	471	307 / 0	0 / 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 (PLF)	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 / 180	-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	B-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 = 25.6 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, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, CBC 2012, ABC 2019

- PART 9 OF CBC 2012 (2018 AMENDMENT)

- CSA 086-09, CSA 086-14

- TPIC 2011, TPIC 2014

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

CSI: TC=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 618 354 1687 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.51 (B) (INPUT = 0.90)

JSI METAL = 0.13 (C) (INPUT = 1.00)

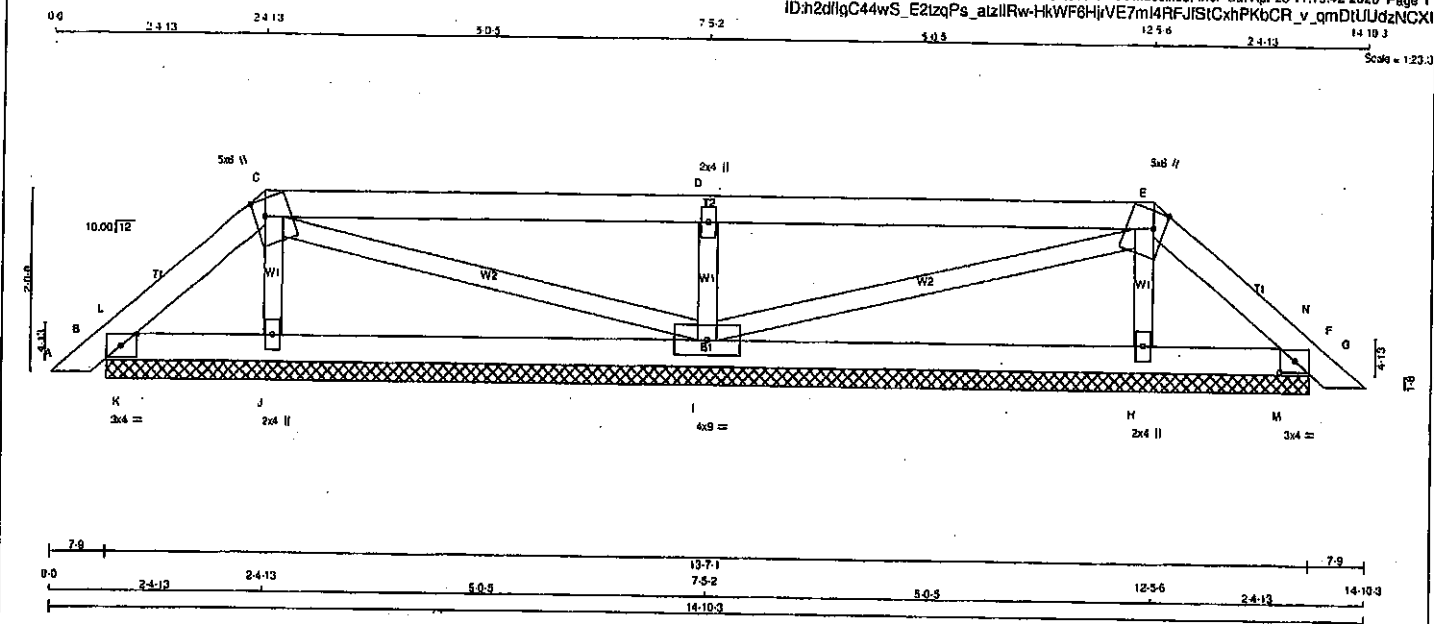


Structural component only
DWG# T-2007062

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408151	PB20	2	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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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
G - I	2x4	DRY	No.2
I - K	2x4	DRY	No.2
K - M	2x4	DRY	No.2
M - O	2x4	DRY	No.2
O - Q	2x4	DRY	No.2
Q - S	2x4	DRY	No.2
S - U	2x4	DRY	No.2
U - W	2x4	DRY	No.2
W - Y	2x4	DRY	No.2
Y - Z	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
DRY: SEASONED LUMBER.			

PLATES (tablets in inches)					
JT	TYPE	PLATES	W	LEN	X
B	TM81-I	MT20	3.0	4.0	1.50 2.00
C	TTVW+m	MT20	5.0	6.0	2.25 1.50
D	TMW+w	MT20	2.0	4.0	
E	TTVW+m	MT20	5.0	6.0	2.25 1.50
F	TM81-I	MT20	3.0	4.0	1.50 2.00
H	BMW1+w	MT20	2.0	4.0	
I	BMW1+w	MT20	4.0	9.0	
J	BMW1+w	MT20	2.0	4.0	

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

BEARINGS		FACTORED		MAXIMUM FACTORED			INPUT	REQD
JT	COMBINED	GROSS REACTION		GROSS REACTION			BRG	BRG
		VERT	HORIZ	DOWN	HORIZ	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
I		683	0	683	0	0	13-7-1	13-7-1
H		288	0	288	0	0	13-7-1	13-7-1

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
B	118	93/0	0/0	0/0	0/0	23/0	0/0
F	116	93/0	0/0	0/0	0/0	23/0	0/0
J	207	118/0	0/0	0/0	0/0	89/0	0/0
I	481	327/0	0/0	0/0	0/0	154/0	0/0
H	207	118/0	0/0	0/0	0/0	89/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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		WIND		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MAX. UNBRAC. LENGTH	MEMB.	FORCE (LBS)	MAX. CSI (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)	6.25	I-D	-576/0	0.08 (1)
C-D	-3/0	-91.8	-91.8 0.39 (1)	10.00	D-E	-22/0	0.01 (1)
D-E	-3/0	-91.8	-91.8 0.39 (1)	10.00	E-H	-194/0	0.03 (1)
E-H	-60/0	-91.8	-91.8 0.03 (1)	6.25	H-K	-121/0	0.00 (1)
H-K	-31/4	-91.8	-91.8 0.01 (1)	6.25	K-L	-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			

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 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
- TPC 2011, TPC 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), BC=0.10/1.00 (I-J:4), WB=0.03/1.00 (D-I:1), SS=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 SECTION
(PS) (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.

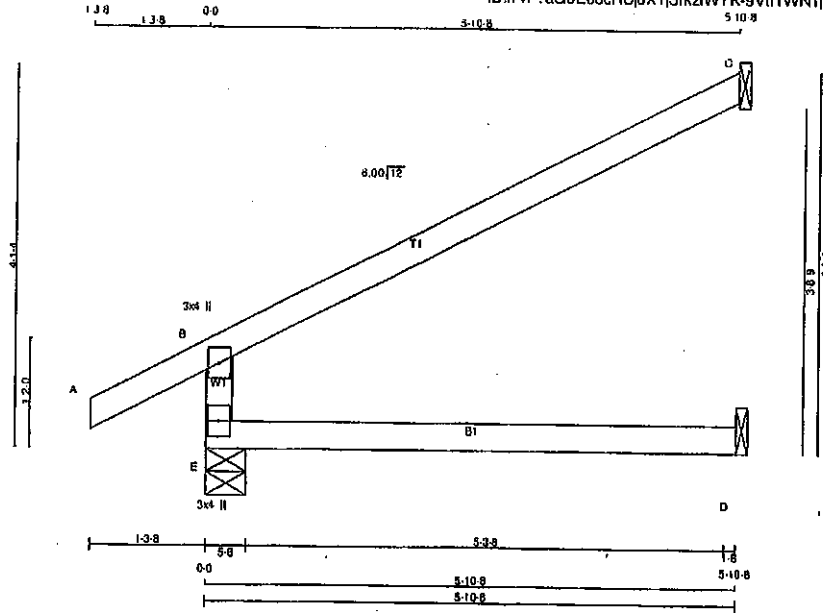
JSI GRIP = 0.30 (D) (INPUT = 0.90)
JSI METAL = 0.12 (D) (INPUT = 1.00)



Structural component only
DWG# T-2007080

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408150	U1	21	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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

LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS	2x4	DRY	SPF
E - B	2x4	DRY	SPF
A - C	2x4	DRY	SPF
E - D	2x4	DRY	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)			
JT TYPE	PLATES	W	LEN Y X
B	TMV+p	MT20	3.0 4.0
E	BMV+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
E	525 0	525 0	5-8
C	202 0	202 0	1-8
D	45 0	50 0	1-8

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

UNFACTORED REACTIONS			
JT	1ST CASE	MAX/MIN COMPONENT REACTIONS	
E	369	257 / 0	0 / 0
C	139	113 / 0	0 / 0
D	36	0 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED UNBRACED LENGTH (FT)
E-B	-481 / 0	0.0	0.0 0.13 (4)
A-B	0 / 28	-91.8	-91.8 0.12 (1)
B-C	-30 / 0	-91.8	-91.8 0.54 (1)
E-D	0 / 0	-18.5	-18.5 0.13 (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. OC

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

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

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

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

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

CSI: TC=0.54/1.00 (B-C:1), BC=0.13/1.00 (D-E:4), WB=0.00/1.00 (n/a:0), SS=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 (PSI)	SECTION (PLI)	
MAX MIN	MAX MIN	MAX MIN	
MT20	618 354	1657 788	1987 1656

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)

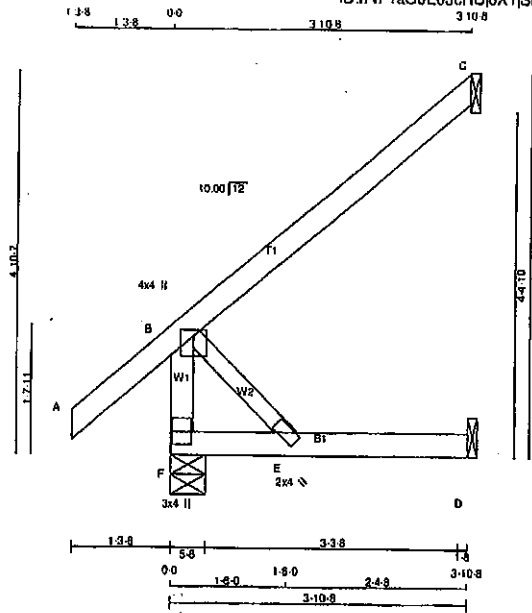


Structural component only
DWG# T-2007059

JOB NAME: 408150 TRUSS NAME: U2 QUANTITY: 1 PLY: 1 JOB DESC: GREEN PARK HOMES TRUSS DESC: DRWG NO.

Tamarack Roof Truss, Burlington

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

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

PLATES (table is in inches)	W	LEN	Y	X
JT TYPE PLATES				
B TMVW+g MT20	4.0	4.0	1.00	2.00
E BMW+w MT20	2.0	4.0		
F BMV1+p MT20	3.0	4.0		

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
F	341	0	341	0	5-8	5-8
C	178	0	178	0	1-8	1-8
D	36	0	40	0	1-8	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
F	239	170 / 0	0 / 0	0 / 0	0 / 0	69 / 0	0 / 0
C	122	99 / 0	0 / 0	0 / 0	0 / 0	23 / 0	0 / 0
D	29	0 / 0	0 / 0	0 / 0	0 / 0	29 / 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)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD			MAX. UNBRACED LENGTH	WEBS	MAX. FACTORED FORCE (LBS)
			FROM	TO	CS1 (LC)			
F-B		-305/0	0.0	0.0	0.03 (1)	7.81	B-E	0/0
A-B		0/41	-91.3	-91.8	0.14 (5)	10.00		
B-C		0/0	-91.8	-91.8	0.23 (1)	10.00		
F-E		0/0	-18.5	-18.5	0.08 (4)	10.00		
E-D		0/0	-18.5	-18.5	0.08 (4)	10.00		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 15 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./C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2018, OBC 2012, 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=0.23/1.00 (B-C:1), BC=0.08/1.00 (D-E:4), WB=0.00/1.00 (B-E:1), SSI=0.11/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PS) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1666

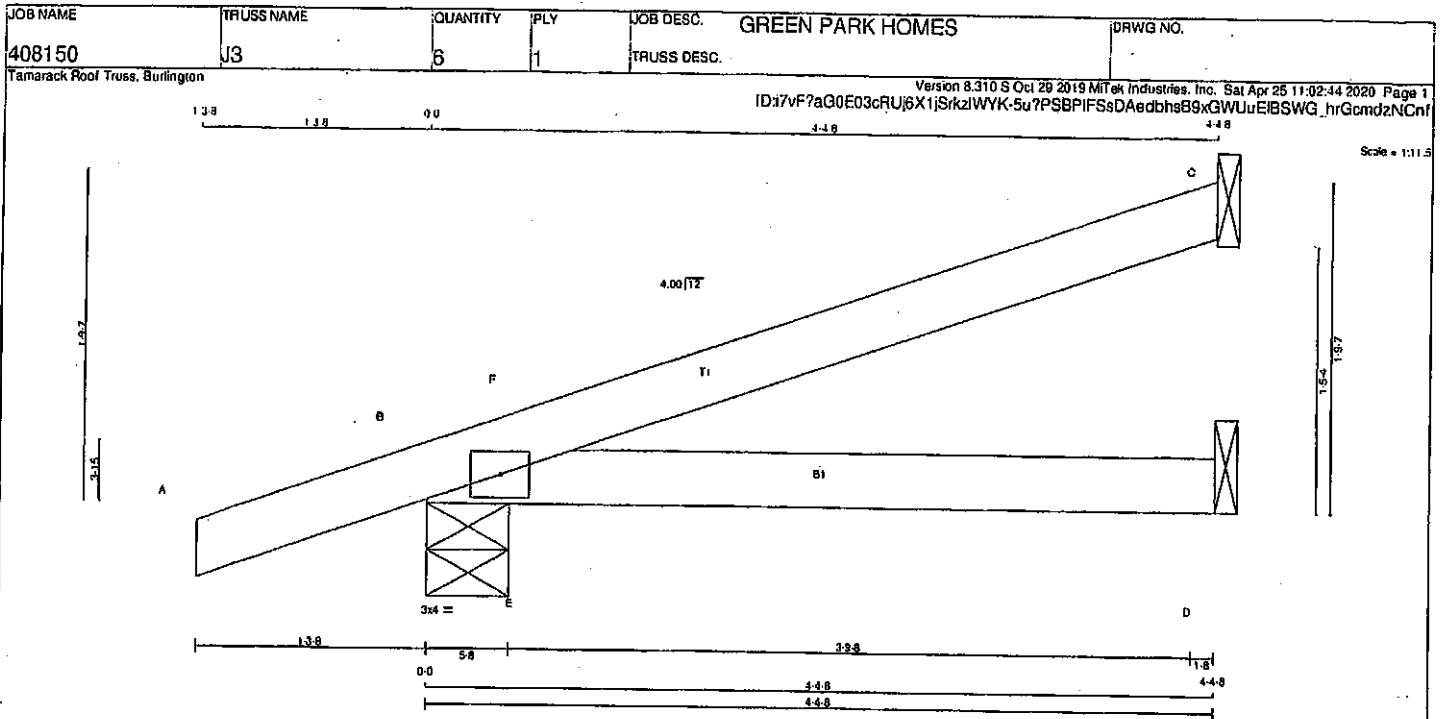
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.24 (B) (INPUT = 0.80)
JSI METAL= 0.06 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007060



LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0	

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
C	174	0	174	0	1-8	1-8
B	384	0	384	0	5-8	5-8
D	68	0	68	0	1-8	1-8

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

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	MAX. MIN. COMPONENT REACTIONS				DEAD	SOIL
		SNOW	LIVE	PERM. LIVE	WIND		
C	120	83/0	0/0	0/0	0/0	27/0	0/0
B	255	180/0	0/0	0/0	0/0	75/0	0/0
D	50	19/0	0/0	0/0	0/0	32/0	0/0

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

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		WEBS	
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. UNBRACED LENGTH FR-TO	MAX. FACTORED FORCE (LBS)
A-B	0/18	-91.8	-91.8 0.11 (1)	10.00
B-F	-14/0	-91.8	-91.8 0.05 (4)	6.25
F-C	0/2	-91.8	-91.8 0.22 (1)	10.00
B-E	0/0	-18.5	-18.5 0.17 (1)	10.00
E-D	0/0	-18.5	-18.5 0.17 (1)	10.00

DESIGN CRITERIA

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

SPACING = 24.0 IN. 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 (2018 AMENDMENT)
- CSA 088-09, 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) = $L/380$ (0.18")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.02")
ALLOWABLE DEFL.(TL) = $L/380$ (0.18")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.05")

CSI: TC=0.22/1.00 (C-F:1), BC=0.17/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SSI=0.18/1.00 (B-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

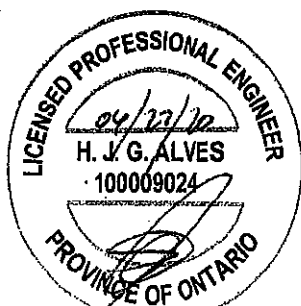
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1997 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.24 (B) (INPUT = 0.90)
JSI METAL= 0.07 (B) (INPUT = 1.00)

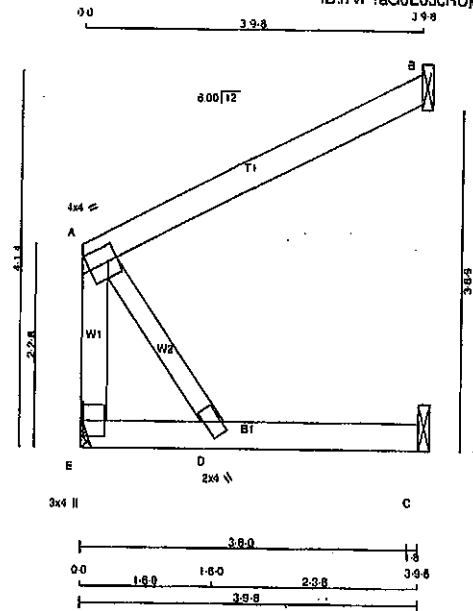


Structural component only
DWG# T-2007081

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 = 1/2" = 1'-0"



LUMBER				DESCR.	
N. L. G. A. RULES	SIZE	LUMBER		SPF	
CHORDS					
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-I	MT20	4.0	4.0	2.00 1.25
D	BMVW-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		FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	VERT	GROSS REACTION	GROSS REACTION	BRG	BRG
E	209	0	209	0	0
B	174	0	174	0	0
C	35	0	35	0	0

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		1ST CASE	MAX/MIN COMPONENT REACTIONS				
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	148	97/0	0/0	0/0	0/0	51/0	0/0
B	120	97/0	0/0	0/0	0/0	23/0	0/0
C	28	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		FACTORED				WEBS			
MEMB.	FORCE (LBS)	VERT.	LOAD	LC1	MAX	MEMB.	FORCE (LBS)	MAX	FACTORED
FR-TO		FROM	TO	CS1 (LC)	UNBRAC	FR-TO			
E-A	-174/0	0.0	0.0	0.02 (1)	7.81	A-D	0/0	0.00 (1)	
A-B	0/0	-91.8	-91.8	0.22 (1)	10.00				
E-D	0/0	-18.5	-18.5	0.07 (4)	10.00				
D-C	0/0	-18.5	-18.5	0.08 (4)	10.00				

TOTAL WEIGHT = 4 X 13 = 52 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, NBCC 2010, NBCC 2015

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
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), 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 616 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

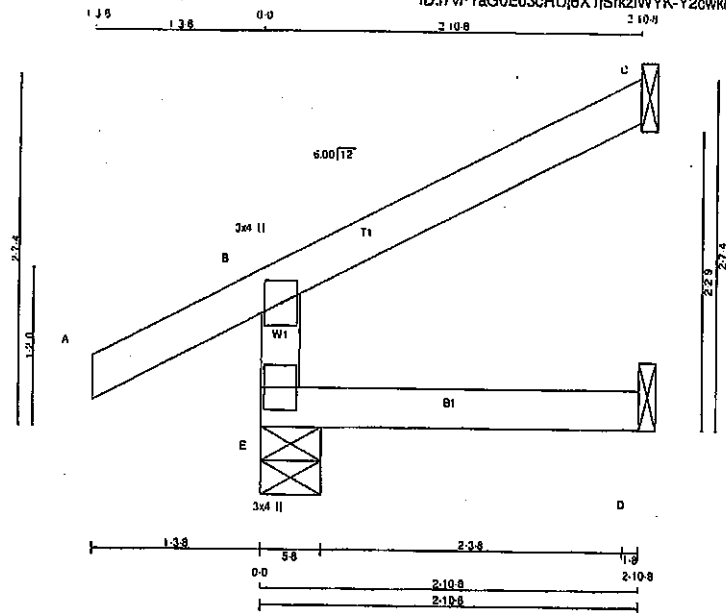
JSI GRIP = 0.11 (A) (INPUT = 0.90)
JSI METAL = 0.03 (A) (INPUT = 1.00)



Structural component only
DWG# T-2007105

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408152	J41	4	1	GREEN PARK HOMES	
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 (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			
JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG
E	319	319	5-8
C	99	99	5-8
D	23	23	1-8

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

UNFACTORED REACTIONS			
JT	COMBINED	SNOW	LIVE
E	223	161/0	0/0
C	68	55/0	0/0
D	18	0/0	0/0

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

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

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

LOADING
TOTAL LOAD CASES: (5)

CHORDS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LBS)
E-B	-288/0	0.0	0.02 (4)
A-B	0/28	-91.8	0.13 (5)
B-C	-15/0	-91.8	0.13 (1)
E-D	0/0	-18.5	0.03 (4)

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, NBCC 2010, NBCC 2015

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

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

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

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

CSI: TC=0.13/1.00 (B-C:1), BC=0.03/1.00 (D-E:4), WB=0.00/1.00 (n/a:0), 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

AUTOSOLVE RIGHT HEEL ONLY

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

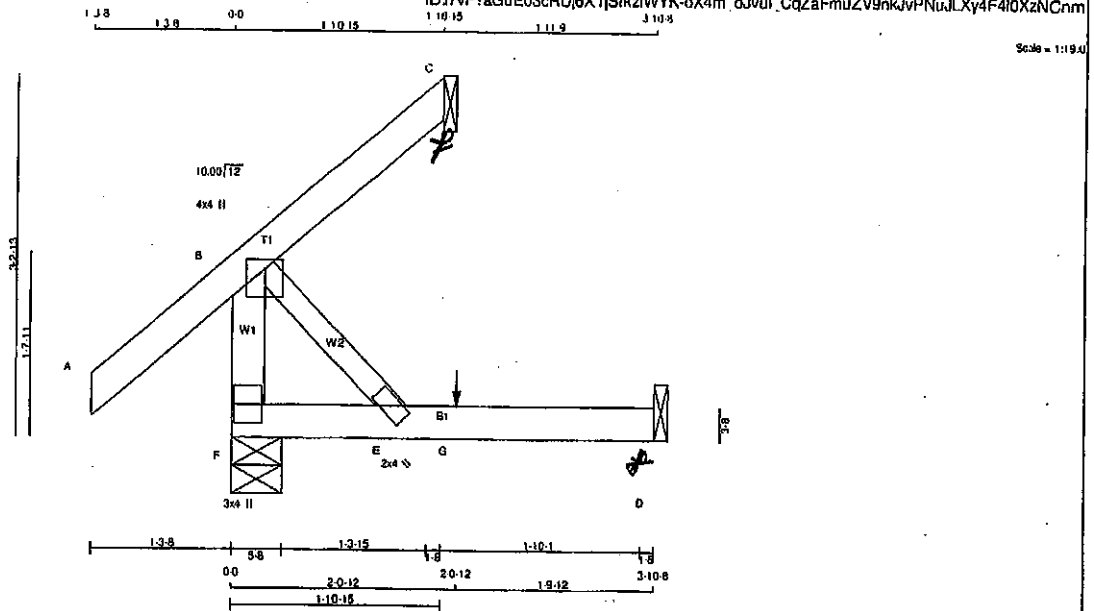
JSI GRIP = 0.12 (E) (INPUT = 0.90)
JSI METAL = 0.08 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007106

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408150	C1	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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

PLATES (Table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B TMVW+p	MT20	4.0	4.0	1.00	2.00
E BMVW+p	MT20	2.0	4.0		
F BMVW+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	HORIZ	UPLIFT	IN-SX
F	297	0	297	0	5-8
C	42	0	42	0	1-8
D	38	0	40	0	1-8

SEE MITTEK STANDARD DETAIL 897791H FOR CONNECTION TO JOINT(S) C, D
PROVIDE ANCHORAGE AT BEARING JOINT C FOR 180 LBS FACTORED UPLIFT

UNFACTORED REACTIONS						
JT	1ST CASE	MAX MIN. COMPONENT REACTIONS				
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
F	208	145 / 0	0 / 0	0 / 0	0 / 0	0 / 0
C	29	23 / -26	0 / 0	0 / 0	0 / 0	5 / 0
D	29	0 / 0	0 / 0	0 / 0	0 / 0	29 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (5)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	FACTORED HORZ. LOAD (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	FACTORED HORZ. LOAD (LBS)
FR-TO				FR-TO			
F-B	-281 / 0	0.0	0.0	0.03 (1)	7.81	0 / 0	0.00 (1)
A-B	0 / 41	-91.8	-91.8	0.14 (5)	10.00		
B-C	-29 / 0	-91.8	-91.8	0.14 (5)	6.25		
F-E	0 / 0	-18.5	-18.5	0.08 (4)	10.00		
E-G	0 / 0	-18.5	-18.5	0.08 (4)	10.00		
G-D	0 / 0	-18.5	-18.5	0.08 (4)	10.00		

FACTORED CONCENTRATED LOADS (LBS)							
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
G	2-0-12	1	1	1	BACK	VERT	TOTAL

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.
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, NBCO 2010, NBCC 2015

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/999 (0.01")

CSI: TC=0.14/1.00 (A-B:5), BC=0.08/1.00 (D-E:4), WB=0.00/1.00 (B-E:1), SS=0.09/1.00 (A-B:5)

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

AUTOSOLVE RIGHT HEEL ONLY

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

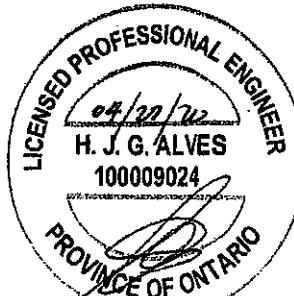
NAIL VALUES			
PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)	MAX MIN
MT20	818	354	1687
			788
			1687
			1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.20 (B) (INPUT = 0.90)

JSI METAL= 0.05 (B) (INPUT = 1.00)

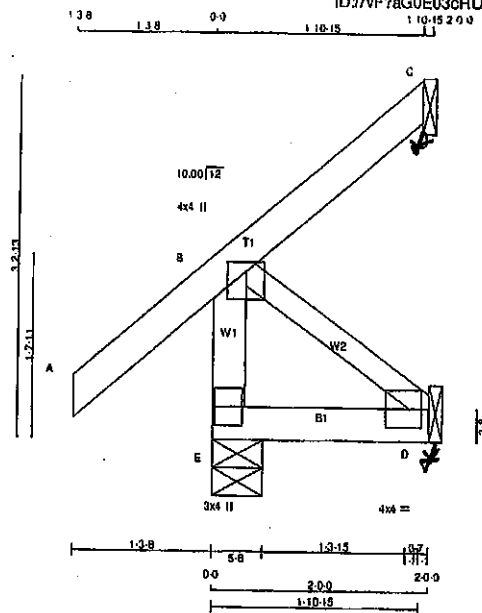


Structural component only
DWG# T-2007055

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408150	C2	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:19.0

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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y
B	TMVW+p	MT20	4.0	4.0	1.00
D	BMV1+1	MT20	4.0	4.0	2.00
E	BMV1+p	MT20	3.0	4.0	1.25

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS REACTION	DOWN	GROSS REACTION	DOWN	BRG	BRG	IN-SX	IN-SX
E	278	0	278	0	0	5-8	5-8		
C	42	0	42	0	-36	1-8	1-8		
D	18	0	20	0	0	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

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/-28	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 = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING
TOTAL LOAD CASES: (5)

CHORDS		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MAX. MEMB.	FORCE (LBS)	MAX. FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM	TO	LENGTH	FR-TO		
E-B	-251/0	0.0	0.0	0.03 (1)	7.81	0/0	0.00 (1)
A-B	0/41	-91.8	-91.8	0.13 (1)	10.00		
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 = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

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

DESIGN ASSUMPTIONS
- OVERHANG NOT TO BE ALTERED OR CUT OFF.
(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (TL) = L/360 (0.19")
CALCULATED VERT. DEFL. (TL) = 1/989 (0.00")

CSI: TC=0.13/1.00 (A-B:1), BC=0.02/1.00 (D-E:4), WB=0.00/1.00 (B-D:1), SS=0.08/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

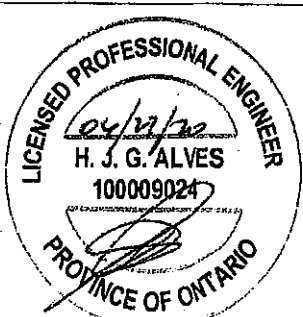
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

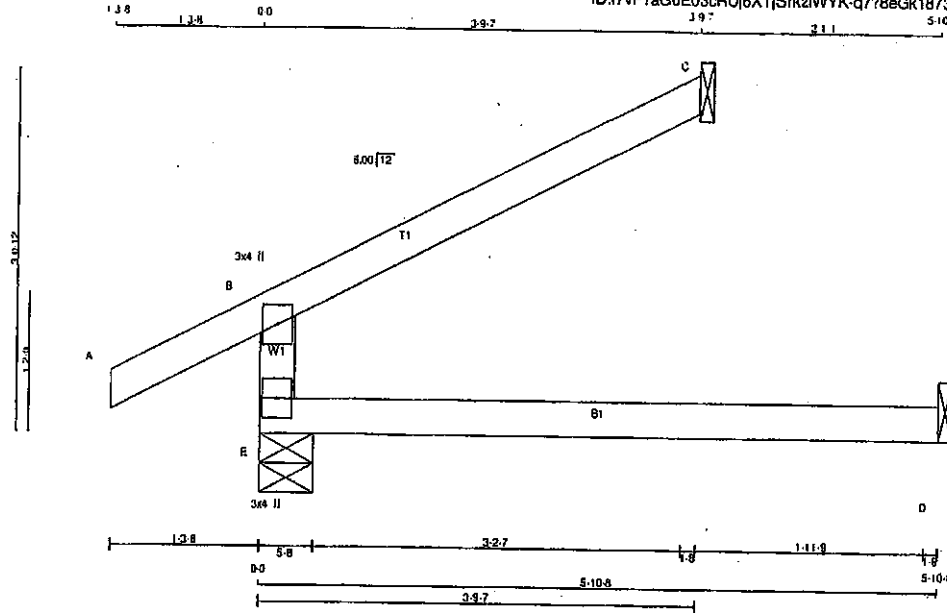
JSI GRIP = 0.20 (B) (INPUT = 0.90)
JSI METAL = 0.05 (B) (INPUT = 1.00)



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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LUMBER

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

DRY, SEASONED LUMBER.

PLATES (table in inches)

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

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG IN-SX	REQ'D BRG IN-SX
E	405	405	5-8	5-8
C	130	130	1-8	1-8
D	45	50	1-8	1-8

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

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	268	190 / 0	0 / 0	0 / 0	0 / 0	98 / 0	0 / 0	0 / 0
C	90	73 / 0	0 / 0	0 / 0	0 / 0	17 / 0	0 / 0	0 / 0
D	38	0 / 0	0 / 0	0 / 0	0 / 0	38 / 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 = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	CHORDS				WEBS			
		FACTORED VERT. LOAD (LBS)	FACTORED HORZ. LOAD (LBS)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	FACTORED HORZ. LOAD (LBS)	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
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				

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, OBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, 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 (0.20")
CALCULATED VERT. DEFL. (LL) = L/999 (0.00")
ALLOWABLE DEFL. (TL) = L/360 (0.20")
CALCULATED VERT. DEFL. (TL) = L/999 (0.03")

CSI: TC=0.22/1.00 (B-C:1), BC=0.13/1.00 (D-E:4), WB=0.00/1.00 (n/a:0), SSI=0.15/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

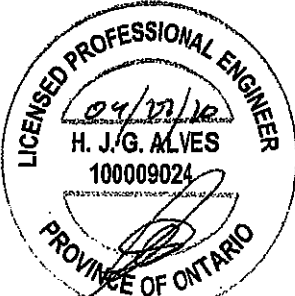
PLATE	GRIP (DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
	MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1867 788	1987 1656

PLATE PLACEMENT TOL = 0.250 inches

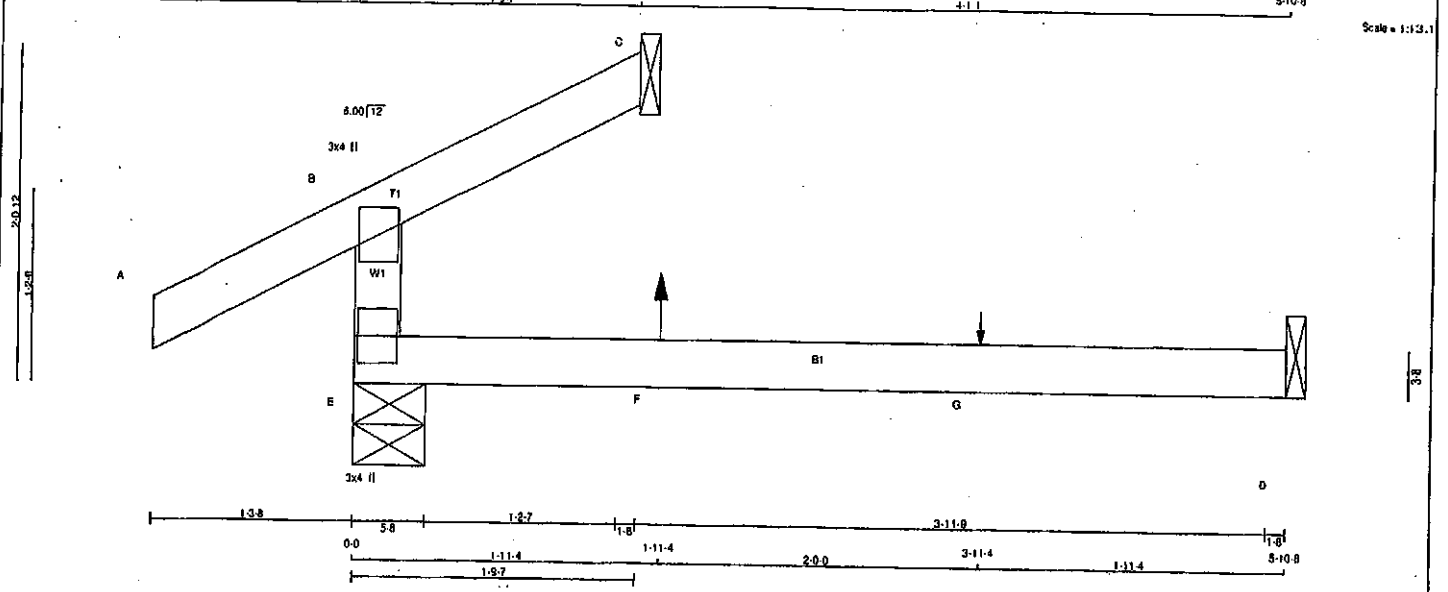
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.14 (E) (INPUT = 0.90)

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



Structural component only
DWG# T-2007098



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 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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD 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 B97791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST CASE		MAX/MIN COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
E	200	137/0	0/0	0/0	0/0	62/0	0/0
C	46	21/0	0/0	0/0	0/0	25/0	0/0
D	35	0/-3	0/0	0/0	0/0	37/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (7)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO		FR-TO			
E-B	-227/0	0.0	0.0 0.11 (4)	7.81			
A-B	0/28	-91.8	-91.8 0.12 (1)	10.00			
B-C	-9/9	-91.8	-91.8 0.08 (4)	10.00			
E-F	0/0	-18.5	-18.5 0.14 (4)	10.00			
F-G	0/0	-18.5	-18.5 0.14 (4)	10.00			
G-D	0/0	-18.5	-18.5 0.14 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

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 (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/C

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

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

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

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

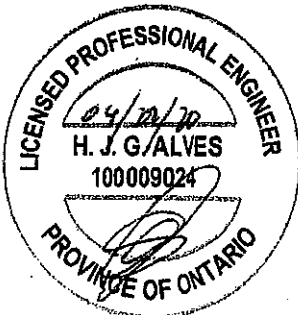
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

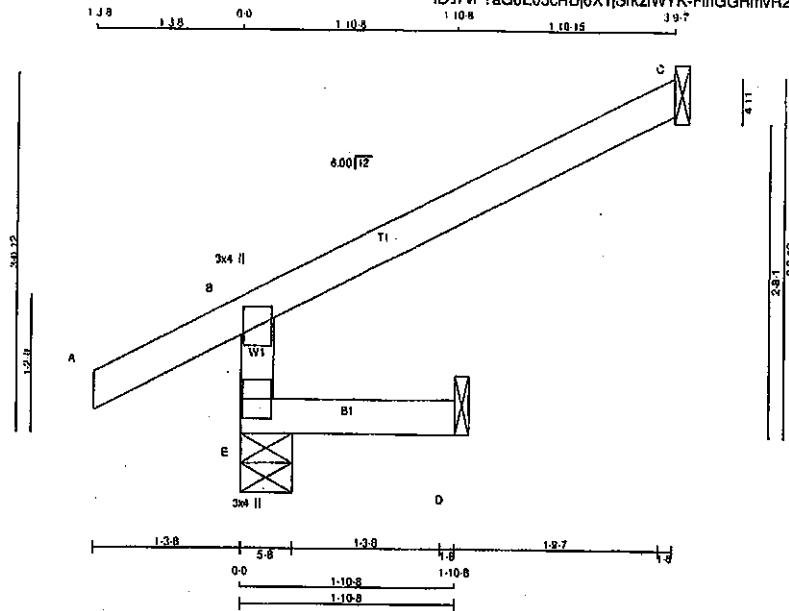
JSI GRIP = 0.10 (E) (INPUT = 0.80)
JSI METAL = 0.08 (B) (INPUT = 1.00)



Structural component only.
DWG# T-2007099

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408152	C42	4	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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ID:7vF?aG0E03cRUJ6X1jS/kzWYK-FihGGHmR2R87Xx6PlwMognw6CsuL8MVcm/HwuzNCO



Scale = 1/16.3

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

DRY: SEASONED LUMBER.

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS	REACTION	GROSS	REACTION	BRG	BRG	IN-SX	IN-SX
E	381	0	381	0	0	5-8	5-8		
C	130	0	130	0	0	1-8	1-8		
D	16	0	17	0	0	1-8	1-8		

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN	COMPONENT REACTIONS				
E	250	190/0	0/0	PERM.LIVE	WIND	DEAD	SOIL
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 = 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		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
E-B	-342/0	0.0	0.0 0.01 (4)	7.81			
A-B	0/28	-91.8	-91.8 0.13 (5)	10.00			
B-C	-19/0	-91.8	-91.8 0.22 (1)	6.25			
E-D	0/0	-18.5	-18.5 0.02 (4)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 4 X 10 = 38 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. OC

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

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

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL.(LL) = L/360 (0.19")
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=0.15/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.14 (E) (INPUT = 0.30)
JSI METAL= 0.09 (B) (INPUT = 1.00)



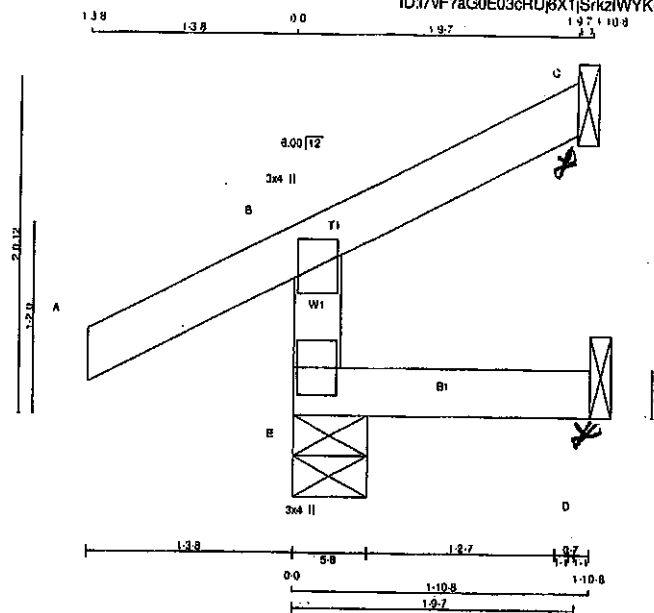
Structural component only
DWG# T-2007100

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408152	C43	4	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:7vF7aG0E03cRUj8X1jSrkziWYK-juEftdnYCMa2lgWzbQbKIK7UcCo4bcaqQbrSKzNCOe

Scale = 1/13.1



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	BMV+p	MT20	3.0	4.0			

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

BEARINGS

BEARINGS							
	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
E	271	0	271	0	0	5-8	5-8
C	45	0	45	0	-23	1-8	1-8
D	8	0	17	0	-2	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) E, 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	DEAD	SOIL
E	188	141 / 0	0 / 0	0 / 0	0 / 0	47 / 0	0 / 0
C	31	24 / -18	0 / 0	0 / 0	0 / 0	7 / 0	0 / 0
D	7	0 / -8	0 / 0	0 / 0	0 / 0	12 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS		FACTORED			WEBS		
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX CS1 (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CS1 (LC)
FR-TO		FROM 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
BOY CH.	LL	=	0.0	PSF
	DL	=	7.4	PSF
TOTAL LOAD	=	39.0	PSF	

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 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: TO=0.12/1.00 (A-B:1), BC=0.04/1.00 (D-E:5),
WB=0.00/1.00 (n/a:0), SSI=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.

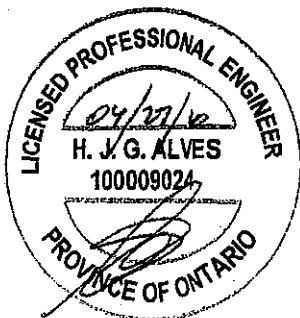
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

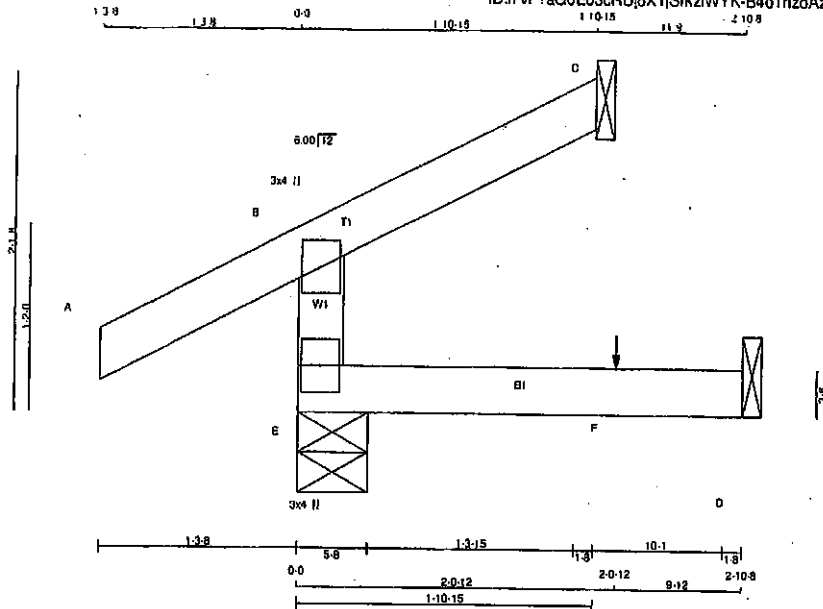
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.10 (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.		Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Sat Apr 25 11:29:26 2020 Page 1	



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS	2x4	DRY	SPF
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

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	RECORD
JT	GROSS REACTION	GROSS REACTION	DOWN	UP	BRG
E	264	0	264	0	5-8
C	68	0	68	0	1-8
D	23	0	23	0	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
E	185	130 / 0	0 / 0	0 / 0
C	48	37 / 0	0 / 0	0 / 0
D	18	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: (6)

CHORDS		MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE MAX
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)		LOC.	LC1	MAX.	FACE	D/R.	TYPE	HEEL	CONN.
JT									
F	2-0-12	1	1	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

- 1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.
- 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, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2010, OBC 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=0.13/1.00 (A-B-5), BC=0.03/1.00 (D-E-4),
WB=0.00/1.00 (A-B-5), 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

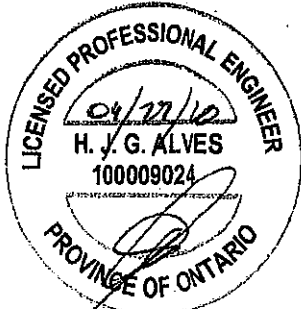
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES			
PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	818 354	1687 785	1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.10 (E) (INPUT = 0.90)
JSI METAL= 0.05 (B) (INPUT = 1.00)

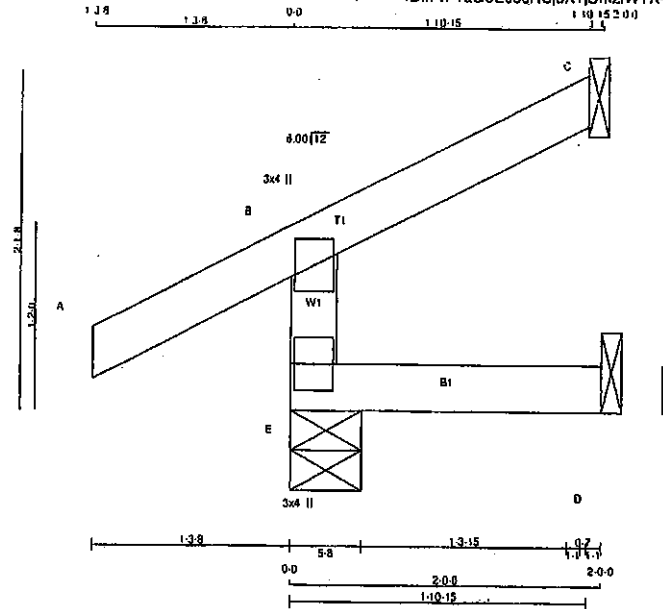


Structural component only
DWG# T-2007102

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408152	C45	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:12.5

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

DRY: SEASONED LUMBER.

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

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

BEARINGS							
JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG			
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
E	254	0	254	0	0	5-8	5-8
C	68	0	68	0	0	1-8	1-8
D	16	0	18	0	0	1-8	1-8

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

UNFACTORED REACTIONS							
JT	1ST LCASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	177	130 / 0	0 / 0	0 / 0	0 / 0	47 / 0	0 / 0
C	48	37 / 0	0 / 0	0 / 0	0 / 0	9 / 0	0 / 0
D	13	0 / 0	0 / 0	0 / 0	0 / 0	13 / 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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LGT MAX. (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED LGT MAX. (LC)	
FR-TO		FROM TO	CS (LC)	FR-TO		CS (LC)	
E-B	-234 / 0	0.0	0.0 0.01 (4)	7.81			
A-B	0 / 20	-91.8	-91.8 0.12 (1)	10.00			
B-C	-10 / 0	-91.8	-91.8 0.06 (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 = 15 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 086-08, 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=0.09/1.00 (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 SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1867 788 1887 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2007103