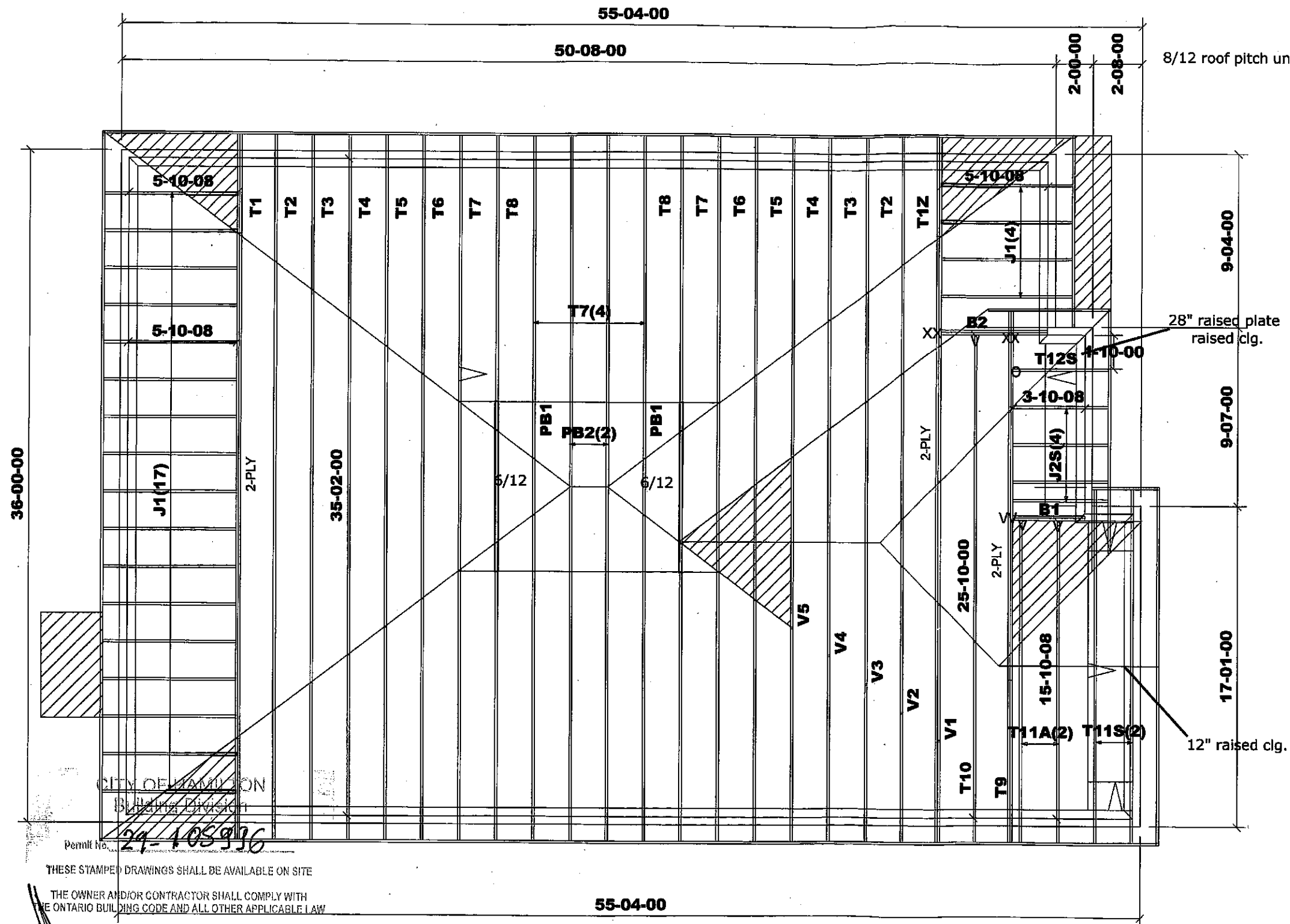




ASPHALT SHINGLES
 FINISHED OVERHANG: 12"
 2x6 EXTERIOR WALLS
 2x6 FASCIA BOARD
 HEEL: R.T.M.C.

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
 TC DL = 6.0 psf
 BC LL = 0.0 psf
 BC DL = 7.4 psf

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

BEAMS:
 B1= B2 = 2- 2x10 SPF #2

 DENOTES: CONVENTIONAL FRAMING

CITY OF HAMILTON
 BUILDING DIVISION

Permit No. 29-103996

THESE STAMPED DRAWINGS SHALL BE AVAILABLE ON SITE

THE OWNER AND/OR CONTRACTOR SHALL COMPLY WITH THE ONTARIO BUILDING CODE AND ALL OTHER APPLICABLE LAW

These drawings and/or specifications have been reviewed by

FEB 22 2021

FOR THE BUILDING OFFICIAL

DATE

M13138



Job Track: 51225

Plan Log: 202419

Layout ID: 408222

Builder / Location:

GREEN PARK HOMES / WATERDOWN

Project: RUSSELL GARDENS PH.3

Date: 2020-04-27

Sales: Mario DiCano

Designer: JG

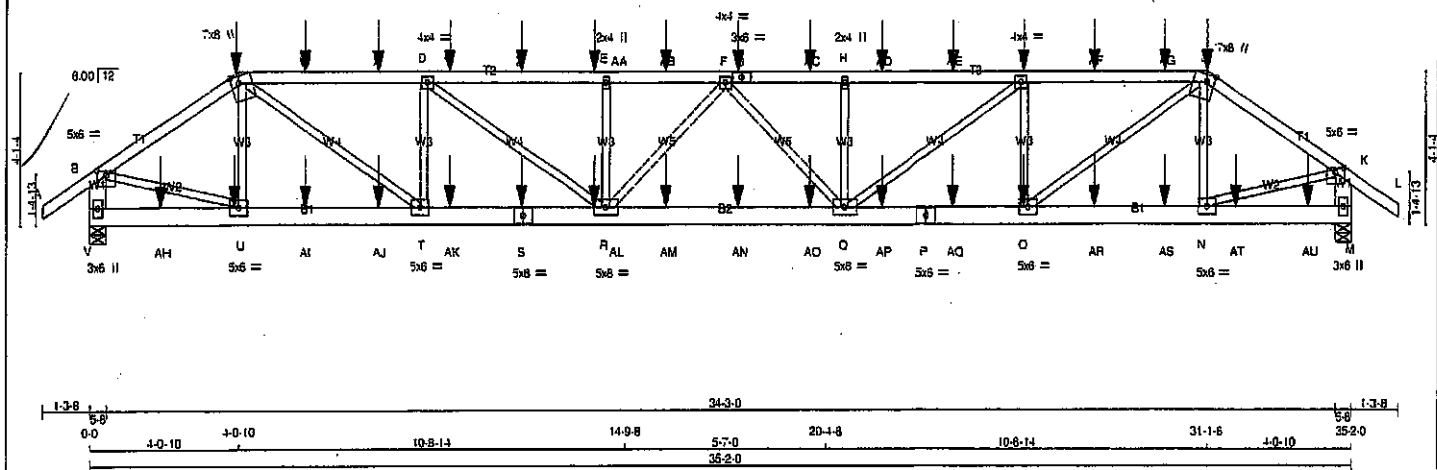
Model / Elevation:

MOUNTAINASH 6/1 -STD OR OPT.5 BR

Milek ver 8.3.1.215

LOT 214

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.



TOTAL WEIGHT = 2 X 161 = 323 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4 DRY	No. 2	SPF		
C - G	2x4 DRY	No. 2	SPF		
G - J	2x4 DRY	No. 2	SPF		
J - L	2x4 DRY	No. 2	SPF		
V - B	2x6 DRY	No. 2	SPF		
M - K	2x6 DRY	No. 2	SPF		
V - S	2x6 DRY	No. 2	SPF		
S - P	2x6 DRY	No. 2	SPF		
P - M	2x6 DRY	No. 2	SPF		
ALL WEBS EXCEPT	2x3 DRY	No. 2	SPF		

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - C	12	SIDE(181.0)
C - G	12	SIDE(181.0)
G - J	12	SIDE(181.0)
J - L	12	SIDE(181.0)
V - B	2	TOP
M - K	2	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
V - S	2	SIDE(183.1)
S - P	2	SIDE(183.1)
P - M	2	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	5	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY

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

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLYS 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 BRG	REQD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
V	3393	0	0	5-8
M	3342	0	0	5-8

UNFACTORED REACTIONS	1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
V	2397	1585
M	2383	1555

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.11 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING		TOTAL LOAD CASES: (4)									
CHORDS					WEBS						
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSF (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSF (LC)				
FR-TO		FROM	TO		FR-TO						
A-B	0 35	-91.8	-91.8	0.07 (1)	10.00	U-C	-320 0	0.08 (1)			
B-C	-4024 0	-91.8	-91.8	0.22 (1)	4.55	C-T	0 3389	0.42 (1)			
C-W	-6074 0	-91.8	-91.8	0.53 (1)	3.51	T-D	-1848 0	0.23 (1)			
W-X	-6074 0	-91.8	-91.8	0.53 (1)	3.51	D-I	-1869 0	0.24 (1)			
X-D	-6074 0	-91.8	-91.8	0.53 (1)	3.51	I-J	0 3425	0.42 (1)			
D-Y	-7423 0	-91.8	-91.8	0.63 (1)	3.11	N-J	-601 0	0.08 (1)			
Y-Z	-7423 0	-91.8	-91.8	0.63 (1)	3.11	B-U	0 3437	0.43 (1)			
Z-AA	-7423 0	-91.8	-91.8	0.63 (1)	3.11	N-K	0 3371	0.42 (1)			
AA-E	-7423 0	-91.8	-91.8	0.63 (1)	3.11	Q-I	0 1704	0.21 (1)			
E-AB	-7423 0	-91.8	-91.8	0.35 (1)	3.36	D-R	0 1677	0.21 (1)			
AB-F	-7423 0	-91.8	-91.8	0.35 (1)	3.36	Q-H	-595 0	0.08 (1)			
F-G	-7410 0	-91.8	-91.8	0.36 (1)	3.36	R-E	-594 0	0.08 (1)			
G-AC	-7410 0	-91.8	-91.8	0.36 (1)	3.36	R-F	-285 0	0.06 (1)			
AC-H	-7410 0	-91.8	-91.8	0.36 (1)	3.36	F-Q	-305 0	0.06 (1)			
H-AD	-7410 0	-91.8	-91.8	0.61 (1)	3.14						
AD-AE	-7410 0	-91.8	-91.8	0.61 (1)	3.14						
AE-I	-7410 0	-91.8	-91.8	0.61 (1)	3.14						
I-AF	-6040 0	-91.8	-91.8	0.51 (1)	3.55						
AF-AG	-6040 0	-91.8	-91.8	0.51 (1)	3.55						
AG-J	-6040 0	-91.8	-91.8	0.51 (1)	3.55						
J-K	-3946 0	-91.8	-91.8	0.22 (1)	4.58						
K-L	0 35	-91.8	-91.8	0.07 (1)	10.00						
V-B	-3355 0	0.0	0.0	0.12 (1)	7.80						
M-K	-3266 0	0.0	0.0	0.12 (1)	7.64						

DESIGN CRITERIA

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

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

SPACING = 24.0 IN. C/C

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

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBCS 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-08, CSA 086-14
- TRC 2011, TP20 2014

15% OF 31.6 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 (0.23")
ALLOWABLE DEFL.(TL) = L 360 (1.17")
CALCULATED VERT. DEFL.(TL) = L 970 (0.44")

CSI: TC=0.93/1.00 (D-E:1), BC=0.57/1.00 (Q-R:1), WB=0.43/1.00 (R-U:1), SS=0.19/1.00 (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

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= 0.86 (I) INPUT = 0.80 ;
JSI METAL= 0.58 (P) INPUT = 1.00 ;



Structural component only
DWG# T-2007602 1/2

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408222	T1	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TsIFoe31v6l zns11-Jm9J91AhZ122a2EEmlNZsEz3HTHl?mEdCAUuvczMFIr

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMW-p	MT20	5.0	6.0	1.50	3.00
C	TTWW-m	MT20	7.0	8.0	Edge	2.50
D, F, I						
D	TMW-w	MT20	4.0	4.0		
E	TMW-w	MT20	2.0	4.0		
G	TS-I	MT20	3.0	6.0		
H	TMW-w	MT20	2.0	4.0		
J	TTWW-m	MT20	7.0	8.0	Edge	2.50
K	TMW-p	MT20	5.0	8.0	1.50	3.00
M	BMV1-p	MT20	3.0	6.0		
N, O, T, U						
N	BMWV-I	MT20	5.0	6.0		
P	BS-I	MT20	5.0	6.0		
Q	BMWVW-I	MT20	5.0	8.0		
R	BMWVW-I	MT20	5.0	8.0		
S	BS-I	MT20	5.0	6.0		
V	BMV1-p	MT20	3.0	6.0		

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

LOADING

TOTAL LOAD CASES: (4)

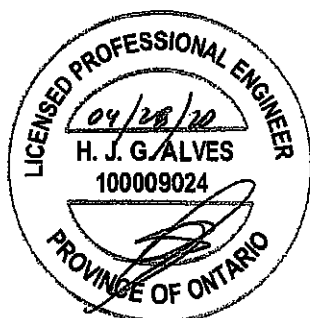
CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. FACTORED CS1 (LC1)	UNBRAC	MEMB. FORCE (LBS)	MAX. FACTORED CS1 (LC1)
FR-TO		FROM TO					
AR-AS	0 3261	-18.5	-18.5	0.25 (1)	10.00		
AS-N	0 3261	-18.5	-18.5	0.25 (1)	10.00		
N-AT	0 0	-18.5	-18.5	0.04 (4)	10.00		
AT-AU	0 0	-18.5	-18.5	0.04 (4)	10.00		
AU-M	0 0	-18.5	-18.5	0.04 (4)	10.00		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	4-0-10	-49	-55	---	FRONT	VERT	DEAD	---	C1
C	4-0-10	-117	-117	---	FRONT	VERT	TOTAL	---	C1
C	4-0-10	-254	-254	---	FRONT	VERT	SNOW	---	C1
G	17-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
I	25-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
J	31-1-6	-49	-55	---	FRONT	VERT	DEAD	---	C1
J	31-1-6	-254	-254	---	FRONT	VERT	SNOW	---	C1
O	25-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
S	11-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
U	3-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
W	5-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
X	7-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Y	9-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Z	11-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AA	13-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AB	15-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AC	19-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AD	21-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AE	23-11-4	-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	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AI	5-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AJ	7-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AK	9-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AL	13-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AM	15-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AN	17-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AO	19-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AP	21-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AQ	23-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AR	27-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AS	29-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AT	31-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AU	33-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

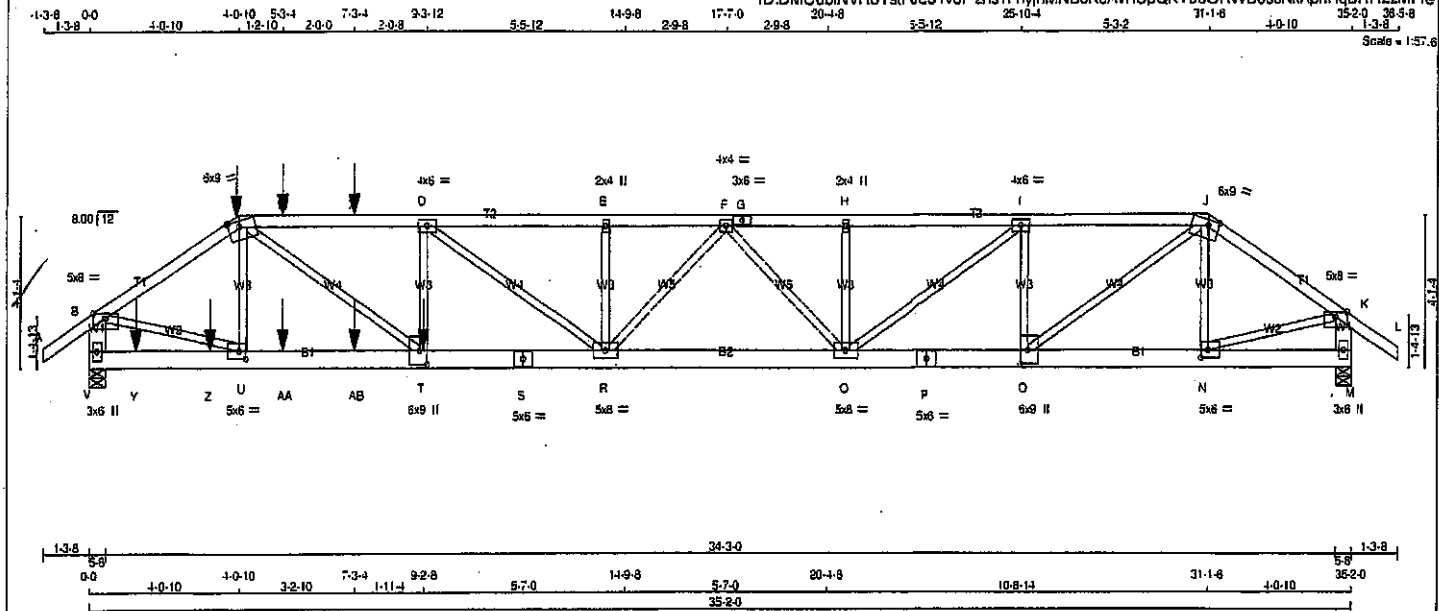


Structural component only
DWG# T-2007602 3/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408222	T1Z	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 161 = 322 lb

LUMBER N. L. G. A. RULES CHORDS SIZE LUMBER DESCR. A - C 2x4 DRY No.2 SPF C - G 2x4 DRY No.2 SPF G - J 2x4 DRY No.2 SPF J - L 2x4 DRY No.2 SPF V - B 2x6 DRY No.2 SPF M - K 2x6 DRY No.2 SPF V - S 2x6 DRY No.2 SPF S - P 2x6 DRY No.2 SPF P - M 2x6 DRY No.2 SPF ALL WEBS 2x3 DRY No.2 SPF EXCEPT DRY: SEASONED LUMBER. DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS: CHORDS #ROWS SURFACE SPACING (IN) LOAD(PLF) TOP CHORDS : (0.122"x3") SPIRAL NAILS A-C 1 12 SIDE(61.0) C-G 1 12 TOP SIDE(61.0) G-J 1 12 TOP J-L 1 12 TOP V-B 2 12 TOP M-K 2 12 TOP BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS V-S 2 12 SIDE(183.1) S-P 2 12 TOP P-M 2 12 TOP WEBS : (0.122"x3") SPIRAL NAILS 2x3 1 8 SIDE(385.4) D-T 1 4 T-O 1 4 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 REORD GROSS REACTION BRG BRG JT VERT HORZ DOWN HORZ UPLIFT IN-SX IN-SX V 4215 0 4215 0 0 5-8 5-8 M 2722 0 2722 0 0 5-8 5-8 UNFACTORED REACTIONS 1ST LCASE MAX. MIN. COMPONENT REACTIONS JT COMBINED SNOW LIVE PERM. LIVE WIND DEAD SOIL V 2974 1987 0 0 0 0 0 987 0 0 0 M 1921 1283 0 0 0 0 0 638 0 0 0 BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) V, M BRACING TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.00 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 MAX. FACTORED MAX. FACTORED MEMB. MAX. FACTORED MEMB. FORCE VERT. LOAD LC1 MAX. MAX. MEMB. FORCE MAX. (LBS) (PLF) CSI (LC) UNBRAC (LBS) CSI (LC) FR-TO LENGTH FR-TO A-B 0 35 -91.8 -91.8 0.07 (1) 10.00 U-C -783 0 0.10 (1) B-C -5115 0 -91.8 -91.8 0.23 (1) 4.07 C-T 0 4817 0.60 (1) C-W -8135 0 -91.8 -91.8 0.64 (1) 3.00 T-D -622 0 0.08 (1) W-X -8135 0 -91.8 -91.8 0.64 (1) 3.00 O-I -1797 0 0.23 (1) X-D -8135 0 -91.8 -91.8 0.64 (1) 3.00 O-J 0 3211 0.40 (1) D-E -8106 0 -91.8 -91.8 0.59 (1) 3.05 N-J -512 0 0.06 (1) E-F -8106 0 -91.8 -91.8 0.32 (1) 3.28 B-U 0 4370 0.54 (1) F-G -6926 0 -91.8 -91.8 0.26 (1) 3.57 N-K 0 2693 0.33 (1) G-H -6926 0 -91.8 -91.8 0.26 (1) 3.57 Q-I 0 2133 0.26 (1) H-I -6926 0 -91.8 -91.8 0.46 (1) 3.42 D-R -37 24 0.01 (1) I-J -5210 0 -91.8 -91.8 0.34 (1) 3.89 Q-H -385 0 0.05 (1) J-K -3153 0 -91.8 -91.8 0.19 (1) 5.04 R-E -343 0 0.04 (1) K-L 0 35 -91.8 -91.8 0.07 (1) 10.00 R-F 0 692 0.09 (1) V-B -4180 0 0.0 0.0 0.15 (1) 8.99 F-Q -1081 0 0.23 (1) M-K -2698 0 0.0 0.0 0.10 (1) 7.81 V-Y 0 0 -18.5 -18.5 0.05 (4) 10.00 Y-Z 0 0 -18.5 -18.5 0.05 (4) 10.00 Z-U 0 0 -18.5 -18.5 0.05 (4) 10.00 U-AA 0 4227 -18.5 -18.5 0.35 (1) 10.00 AA-AB 0 4227 -18.5 -18.5 0.35 (1) 10.00 AB-T 0 4227 -18.5 -18.5 0.35 (1) 10.00 T-S 0 8135 -18.5 -18.5 0.61 (1) 10.00 S-R 0 8135 -18.5 -18.5 0.61 (1) 10.00 R-Q 0 7645 -18.5 -18.5 0.55 (1) 10.00 Q-P 0 5210 -18.5 -18.5 0.38 (1) 10.00 P-O 0 5210 -18.5 -18.5 0.38 (1) 10.00 O-N 0 2604 -18.5 -18.5 0.19 (1) 10.00 N-M 0 0 -18.5 -18.5 0.03 (4) 10.00 FACTORED CONCENTRATED LOADS (LBS) JT LOC. LC1 MAX- MAX+ FACE DIR. TYPE HEEL CONN. C 4-0-10 -49 -55 --- FRONT VERT DEAD --- C1 C 4-0-10 -254 -254 --- FRONT VERT SNOW --- C1 T 9-2-8 -2179 -2179 --- BACK VERT TOTAL --- C1 W 5-3-4 -110 -110 --- BACK VERT TOTAL --- C1 X 7-3-4 -26 -26 --- BACK VERT TOTAL --- C1 Y 1-3-4 -26 -26 --- BACK VERT TOTAL --- C1 Z 3-3-4 -26 -26 --- BACK VERT TOTAL --- C1 AA 7-3-4 -26 -26 --- BACK VERT TOTAL --- C1 AB 7-3-4 -26 -26 --- BACK VERT TOTAL --- C1			DESIGN CRITERIA *** SPECIAL LOADS ANALYSIS *** GEOMETRY AND/OR BASIC LOADS CHANGED BY USER. LOADS WERE DERIVED FROM USER INPUT NO FURTHER MODIFICATIONS WERE MADE SPECIFIED LOADS: TOP CH. LL = 25.6 PSF DL = 6.0 PSF BOT CH. LL = 0.0 PSF DL = 7.4 PSF TOTAL LOAD = 39.0 PSF SPACING = 24.0 IN. O.C. LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12 *** NON STANDARD GIRDER *** ADDTL. USER-DEFINED LOADS APPLIED TO ALL LOAD CASES. THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015 THIS DESIGN COMPLIES WITH: - PART 9 OF 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/999 (0.24") ALLOWABLE DEFL.(TL) = L/360 (1.17") CALCULATED VERT. DEFL.(TL) = L/954 (0.44") CSI: TC=0.64/1.00 (C-D:1), BC=0.61/1.00 (R-T:1), WB=0.60/1.00 (C-T:1), SS=0.17/1.00 (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 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= 0.87 (J) INPUT = 0.90 JSI METAL= 0.77 (J) INPUT = 1.00		
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Structural component only
DWG# T-2007603 1/2

CONTINUED ON PAGE 2

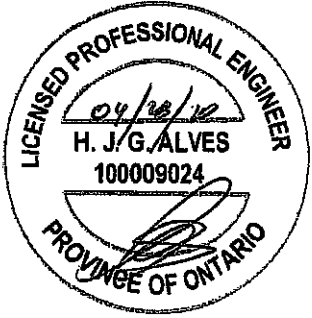
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408222	T1Z	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 ID:DMCubINVR6TsiFae31v6I zns1f-nyihMNBjKcAvHCpQKTuoORWDocNkAprRqDRR2zMFle

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW-p	MT20	5.0	8.0	Edge
C	TTWW-m	MT20	8.0	9.0	1.75 3.50
D	TMWW-l	MT20	4.0	6.0	
E	TMWW-w	MT20	2.0	4.0	
F	TMWW-l	MT20	4.0	4.6	
G	TS-l	MT20	3.0	6.0	
H	TMWW-w	MT20	2.0	4.0	
I	TMWW-l	MT20	4.0	6.0	
J	TTWW-m	MT20	8.0	9.0	1.75 3.50
K	TMVW-p	MT20	5.0	8.0	Edge
M	BMV1-p	MT20	3.0	6.0	
N	BMVW-l	MT20	5.0	6.0	2.50 2.25
O	BMVW-l	MT20	8.0	9.0	4.50 2.50
P	BS-l	MT20	5.0	6.0	
Q	BMVW-l	MT20	5.0	6.0	
R	BMVW-l	MT20	5.0	6.0	
S	BS-l	MT20	5.0	6.0	
T	BMVW-l	MT20	8.0	9.0	4.50 2.50
U	BMVW-l	MT20	5.0	6.0	2.50 2.25
V	BMV1-p	MT20	3.0	6.0	

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

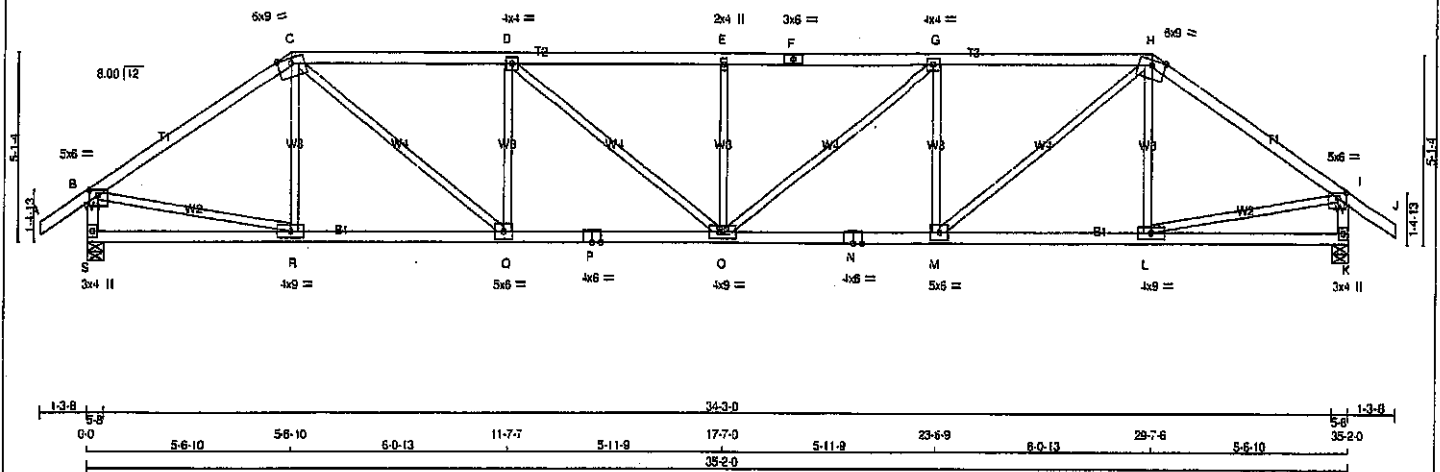
CONNECTION REQUIREMENTS
 1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.



Structural component only
 DWG# T-2007603 *4/2*

JOB NAME 408222	TRUSS NAME T2	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	ORWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 ID:DMCubINVR6TslFos31v6I zns1I-F8H4ajCx5wlmvMOcuAP1xf2LCGy5TgYwfUz? UzMFId
 1-3-8 0-0 5-6-10 5-6-10 5-0-13 11-7-7 5-11-9 17-7-0 5-11-9 23-6-9 5-0-13 29-7-6 5-6-10 1-3-8 35-2-0
 Scale = 1:57.6



LUMBER					DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER										DESIGN CRITERIA			
N. L. G. A. RULES					BEARINGS					UNFACTORED REACTIONS					SPECIFIED LOADS:			
CHORDS SIZE LUMBER DESCR.					FACTORED GROSS REACTION					MAX. MIN. COMPONENT REACTIONS					TOP CH. LL = 25.6 PSF			
					GROSS REACTION										DL = 6.0 PSF			
					JT VERT HORZ DOWN HORZ UPLIFT IN-SX IN-SX										BOT CH. LL = 0.0 PSF			
A - C 2x4 DRY No.2 SPF					S 2065 0 2065 0 0 5-8 5-8										DL = 7.4 PSF			
C - F 2x4 DRY No.2 SPF					K 2065 0 2065 0 0 5-8 5-8										TOTAL LOAD = 39.0 PSF			
F - H 2x4 DRY No.2 SPF															SPACING = 24.0 IN. O.C			
H - J 2x4 DRY No.2 SPF															LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00:12			
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																		

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW-p	MT20	5.0	6.0	1.75 2.75
C	TTWW-m	MT20	6.0	9.0	Edge
D	TMWW-l	MT20	4.0	4.0	
E	TMWW-w	MT20	2.0	4.0	
F	TS-l	MT20	3.0	6.0	
G	TMWW-l	MT20	4.0	4.0	
H	TTWW-m	MT20	6.0	9.0	Edge
I	TMWW-p	MT20	5.0	6.0	1.75 2.75
K	BMV1+p	MT20	3.0	4.0	
L	BMWW-l	MT20	4.0	9.0	
M	BMWW-l	MT20	5.0	6.0	
N	BS-l	MT20	4.0	6.0	
O	BMWW-w	MT20	4.0	9.0	
P	BS-l	MT20	4.0	6.0	
Q	BMWW-l	MT20	5.0	6.0	
R	BMWW-l	MT20	4.0	9.0	
S	BMV1+p	MT20	3.0	4.0	

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

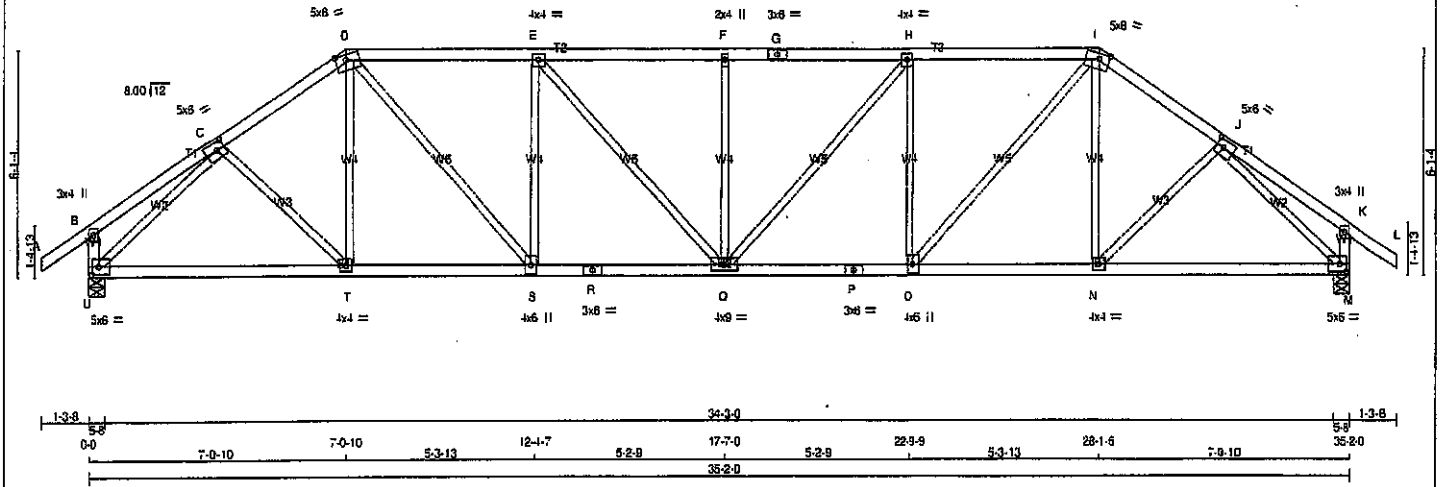
UNFACTORED REACTIONS							
JT	1ST LCASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
S	1458	970.0	0.0	0.0	0.0	488.0	0.0
K	1458	970.0	0.0	0.0	0.0	488.0	0.0

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

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.97 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING									
TOTAL LOAD CASES: (4)									
CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CSl (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSl (LC)		
FR-TO		FROM TO			FR-TO				
A-B	0 35	-91.8	-91.8	0.12 (1)	10.00	R-C	-243 10	0.09 (1)	
B-C	-2296 0	-91.8	-91.8	0.70 (1)	3.78	C-D	0 1670	0.38 (1)	
C-D	-3213 0	-91.8	-91.8	0.80 (1)	3.19	D-E	-929 0	0.36 (1)	
D-E	-3594 0	-91.8	-91.8	0.86 (1)	2.97	E-F	0 490	0.11 (1)	
E-F	-3594 0	-91.8	-91.8	0.86 (1)	2.97	F-G	-505 0	0.19 (1)	
F-G	-3594 0	-91.8	-91.8	0.86 (1)	2.97	G-H	0 490	0.11 (1)	
G-H	-3213 0	-91.8	-91.8	0.80 (1)	3.19	M-G	-929 0	0.35 (1)	
H-I	-2296 0	-91.8	-91.8	0.70 (1)	3.78	M-H	0 1670	0.38 (1)	
I-J	0 35	-91.8	-91.8	0.12 (1)	10.00	L-H	-243 10	0.09 (1)	
S-B	-2023 0	0.0	0.0	0.21 (1)	5.94	B-R	0 1943	0.44 (1)	
K-I	-2023 0	0.0	0.0	0.21 (1)	5.94	L-I	0 1943	0.44 (1)	
S-R	0 0	-18.5	-18.5	0.15 (4)	10.00				
R-Q	0 1903	-18.5	-18.5	0.39 (1)	10.00				
Q-P	0 3213	-18.5	-18.5	0.58 (1)	10.00				
P-O	0 3213	-18.5	-18.5	0.58 (1)	10.00				
O-N	0 3213	-18.5	-18.5	0.58 (1)	10.00				
N-M	0 3213	-18.5	-18.5	0.58 (1)	10.00				
M-L	0 1903	-18.5	-18.5	0.39 (1)	10.00				
L-K	0 0	-18.5	-18.5	0.15 (4)	10.00				



LUMBER
 N. L. G. A. RULES
 CHORDS SIZE LUMBER DESCR.
 A - D 2x4 DRY No.2 SPF
 D - G 2x4 DRY No.2 SPF
 G - I 2x4 DRY No.2 SPF
 I - L 2x4 DRY No.2 SPF
 U - B 2x4 DRY No.2 SPF
 M - K 2x4 DRY No.2 SPF
 U - R 2x4 DRY No.2 SPF
 R - P 2x4 DRY No.2 SPF
 P - M 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
S	TMV+p	MT20	3.0	4.0		
C	TMWW-1	MT20	5.0	6.0	2.50	2.50
D	TTWW-m	MT20	5.0	8.0	1.75	3.50
E	TMWW-1	MT20	4.0	4.0		
F	TMWW-w	MT20	2.0	4.0		
G	TS-1	MT20	3.0	6.0		
H	TMWW-1	MT20	4.0	4.0		
I	TTWW-m	MT20	5.0	8.0	1.75	3.50
J	TMWW-1	MT20	5.0	6.0	2.50	2.50
K	TMV+p	MT20	3.0	4.0		
M	BMWW-1	MT20	5.0	6.0	2.50	2.25
N	BMWW-1	MT20	4.0	4.0		
O	BMWW-1	MT20	4.0	6.0		
P	BS-1	MT20	3.0	6.0		
Q	BMWW-1	MT20	4.0	9.0		
R	BS-1	MT20	3.0	6.0		
S	BMWW-1	MT20	4.0	6.0		
T	BMWW-1	MT20	4.0	4.0		
U	BMWW-1	MT20	5.0	6.0	2.50	2.25

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
VERT	DOWN	UPLIFT	IN-SX
JT 2065 0	2065 0	5-8	5-8
U 2065 0	2065 0	5-8	5-8
M 2065 0	2065 0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS
COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
JT 1458 970 0 0 0 0 0 488 0 0 0	
U 1458 970 0 0 0 0 0 488 0 0 0	
M 1458 970 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 = 3.53 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
 TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	MAX. FACTORED	WEBS	MAX. FACTORED	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. CS (LC)	MEMB.	FORCE (LBS)	MAX. CS (LC)
FR-TO		FROM TO		FR-TO		
A-B	0 35	-91.8 -91.8 0.12 (1)	10.00	C-T	0 135	0.03 (4)
B-C	0 18	-91.8 -91.8 0.16 (1)	10.00	T-D	0 90	0.03 (4)
C-D	-2305 0	-91.8 -91.8 0.23 (1)	4.31	D-S	0 1218	0.27 (1)
D-E	-2723 0	-91.8 -91.8 0.54 (1)	3.69	S-E	-814 0	0.48 (1)
E-F	-2986 0	-91.8 -91.8 0.56 (1)	3.53	E-Q	0 363	0.08 (1)
F-G	-2986 0	-91.8 -91.8 0.56 (1)	3.53	Q-F	-440 0	0.26 (1)
G-H	-2986 0	-91.8 -91.8 0.56 (1)	3.53	Q-H	0 363	0.08 (1)
H-I	-2723 0	-91.8 -91.8 0.54 (1)	3.69	H-I	-814 0	0.48 (1)
I-J	-2305 0	-91.8 -91.8 0.23 (1)	4.31	I-J	0 1218	0.27 (1)
J-K	0 18	-91.8 -91.8 0.16 (1)	10.00	N-I	0 90	0.03 (4)
K-L	0 35	-91.8 -91.8 0.12 (1)	10.00	N-J	0 135	0.03 (4)
U-B	-255 0	0.0 0.0 0.03 (1)	7.81	U-C	-2514 0	0.97 (1)
M-K	-255 0	0.0 0.0 0.03 (1)	7.81	J-M	-2514 0	0.97 (1)
U-T	0 1801	-18.5 -18.5 0.40 (1)	10.00			
T-S	0 1900	-18.5 -18.5 0.41 (1)	10.00			
S-R	0 2723	-18.5 -18.5 0.49 (1)	10.00			
R-Q	0 2723	-18.5 -18.5 0.49 (1)	10.00			
Q-P	0 2723	-18.5 -18.5 0.49 (1)	10.00			
P-O	0 2723	-18.5 -18.5 0.49 (1)	10.00			
O-N	0 1900	-18.5 -18.5 0.41 (1)	10.00			
N-M	0 1801	-18.5 -18.5 0.40 (1)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 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 2018, CBC 2012, ABC 2019
 - PART 9 OF CBC 2012 (2019 AMENDMENT)
 - CSA 088-09, CSA 086-14
 - TPIC 2011, TPIC 2014

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

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

CS: TC=0.56/1.00 (E-F:1), BC=0.49/1.00 (D-C:1), WB=0.97/1.00 (J-M:1), SS=0.23/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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 (M) (INPUT = 0.90)
JSI METAL = 0.84 (P) (INPUT = 1.00)



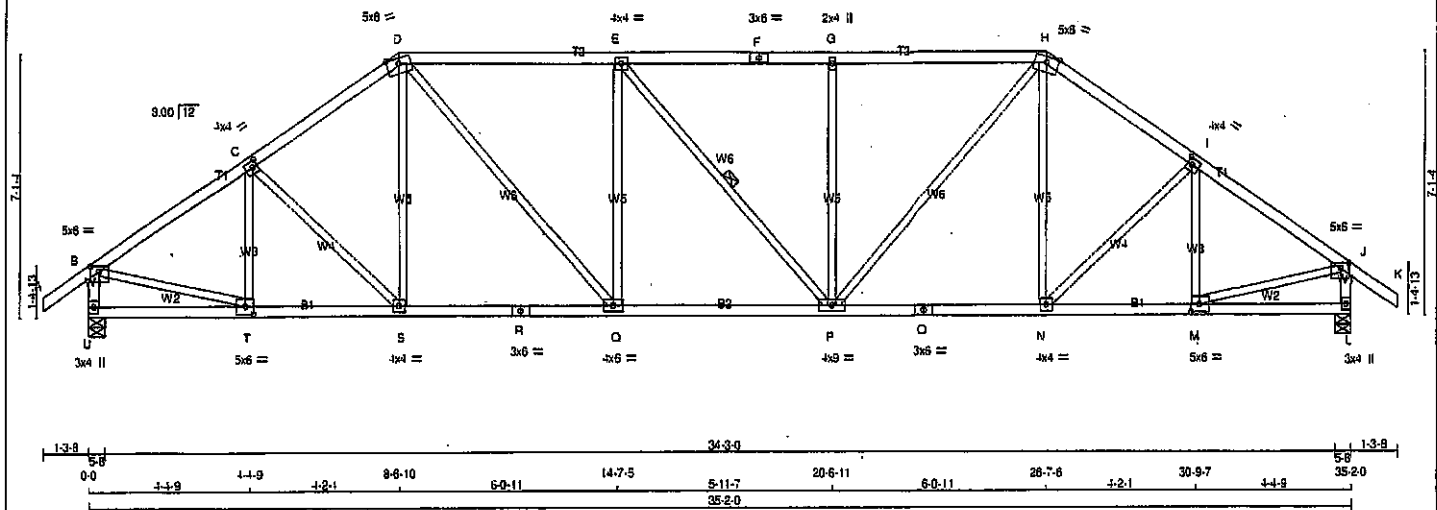
Structural component only
 DWG# T-2007605

JOB NAME 408222	TRUSS NAME T4	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:DMCubINVR6TstFoe31v6l_zns1l-LrSn2CZsDQdXWzPuwGTsbZlgK2C5T4u8YVWwzMFic

1-3.8 0-0 1-1.9 1-1.9 1-2.1 8-6-10 1-0-11 1-4-7.5 5-11-7 20-6-11 5-0-11 26-7-6 1-2-1 30-9-7 1-3-8 35-2-0 1-3-8
Scale = 1:57.6



TOTAL WEIGHT = 2 X 155 = 309 lb

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

PLATES (tablets in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B	TMWV-p	MT20	5.0	6.0	1.75 2.75
C	TMWV-l	MT20	4.0	4.0	2.00 1.50
D	TTWV-m	MT20	5.0	8.0	Edge
E	TMWV-l	MT20	4.0	4.0	Edge
F	TS-l	MT20	3.0	6.0	
G	TMWV-w	MT20	2.0	4.0	
H	TTWV-m	MT20	5.0	8.0	Edge
I	TMWV-l	MT20	4.0	4.0	2.00 1.50
J	TMWV-p	MT20	5.0	6.0	1.75 2.75
L	BMV-l-p	MT20	3.0	4.0	
M	BMWV-l	MT20	5.0	6.0	2.50 2.75
N	BMWV-l	MT20	4.0	4.0	
O	BS-l	MT20	3.0	6.0	
P	BMWVW-l	MT20	4.0	9.0	
Q	BMWVW-l	MT20	4.0	6.0	
R	BS-l	MT20	3.0	6.0	
S	BMWVW-l	MT20	4.0	4.0	
T	BMWVW-l	MT20	5.0	6.0	2.50 2.75
U	BMV-l-p	MT20	3.0	4.0	

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQ'D	
JT	VERT	GROSS	REACT	DOWN	HORIZ	BRG	IN-SX	IN-SX	
U	2065	0	2065	0	0	5-8	5-8	5-8	
L	2065	0	2065	0	0	5-8	5-8	5-8	

UNFACTORED REACTIONS		MAX. MIN. COMPONENT REACTIONS		1ST LCASE		SNOW		LIVE		PERM. LIVE		WIND		DEAD		SOIL	
JT	COMBINED	U	L	U	L	U	L	U	L	U	L	U	L	U	L	U	L
U	1458	970	0	0	0	0	0	0	0	0	0	0	0	488	0	0	0
L	1458	970	0	0	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) U, L

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.72 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-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.		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO				FR-TO	
A-B	0 35	-91.8 -91.8 0.12 (1)	10.00	T-C	-397 0 0.11 (1)
B-C	-2269 0	-91.8 -91.8 0.37 (1)	4.19	C-S	-78 0 0.05 (1)
C-D	-2254 0	-91.8 -91.8 0.36 (1)	4.21	S-D	0 155 0.04 (4)
D-E	-2465 0	-91.8 -91.8 0.64 (1)	3.72	D-Q	0 948 0.21 (1)
E-F	-2483 0	-91.8 -91.8 0.64 (1)	3.72	Q-E	-597 0 0.52 (1)
F-G	-2483 0	-91.8 -91.8 0.64 (1)	3.72	E-P	-2 0 0.00 (1)
G-H	-2483 0	-91.8 -91.8 0.63 (1)	3.74	P-G	-597 0 0.52 (1)
H-I	-2254 0	-91.8 -91.8 0.36 (1)	4.21	P-H	0 947 0.21 (1)
I-J	-2269 0	-91.8 -91.8 0.37 (1)	4.19	H-I	0 157 0.04 (4)
J-K	0 35	-91.8 -91.8 0.12 (1)	10.00	N-I	-78 0 0.05 (1)
U-B	-2027 0	0.0 0.0 0.21 (1)	5.94	M-I	-397 0 0.11 (1)
L-J	-2026 0	0.0 0.0 0.21 (1)	5.94	E-T	0 1955 0.44 (1)
				M-J	0 1955 0.44 (1)
U-T	0 0	-18.5 -18.5 0.08 (4)	10.00		
T-S	0 1908	-18.5 -18.5 0.37 (1)	10.00		
S-R	0 1853	-18.5 -18.5 0.36 (1)	10.00		
R-Q	0 1853	-18.5 -18.5 0.35 (1)	10.00		
Q-P	0 2465	-18.5 -18.5 0.47 (1)	10.00		
P-O	0 1854	-18.5 -18.5 0.38 (1)	10.00		
O-N	0 1854	-18.5 -18.5 0.38 (1)	10.00		
N-M	0 1908	-18.5 -18.5 0.37 (1)	10.00		
M-L	0 0	-18.5 -18.5 0.08 (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 CBC 2018, CBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/999 (0.24")

CSI: TC=0.64/1.00 (D-E:1), BC=0.47/1.00 (P-Q:1), WB=0.52/1.00 (E-Q:1), SS=0.26/1.00 (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 798 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

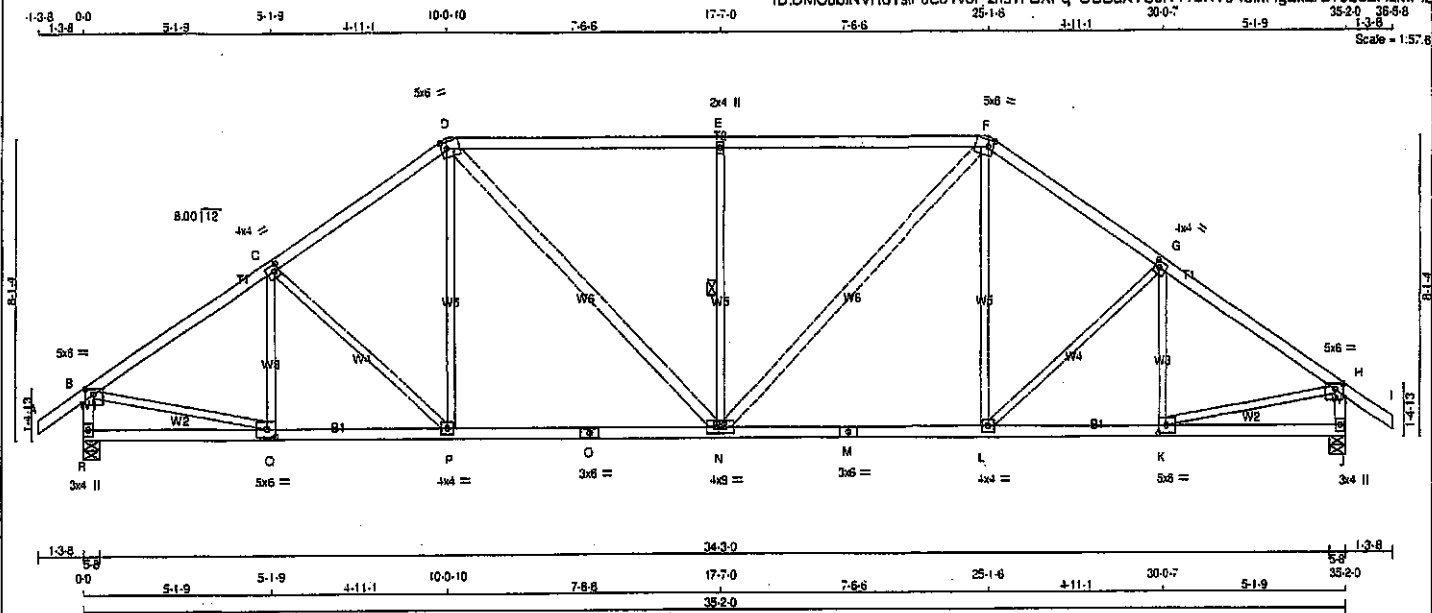
JSI GRIP = 0.90 (D) (INPUT = 0.90)
JSI METAL = 0.62 (O) (INPUT = 1.00)



Structural component only
DWG# T-2007606

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408222	T5	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:DMCubINVR6TsFoe31v6I zns11-BXPq ODBdXYU8Y7?bRV048IM4gExZrD76S52NzMFib



TOTAL WEIGHT = 2 X 158 = 317 lb

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
H - O	2x4	DRY	No.2
O - M	2x4	DRY	No.2
M - J	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
D - N	2x4	DRY	No.2
N - F	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.75	2.75
C	TTWW-I	MT20	4.0	4.0	2.00	1.50
D	TTWW-m	MT20	5.0	6.0	2.25	1.75
E	TMVW-w	MT20	2.0	4.0		
F	TTWW-m	MT20	5.0	6.0	2.25	1.75
G	TMVW-I	MT20	4.0	4.0	2.00	1.50
H	TMVW-p	MT20	5.0	6.0	1.75	2.75
J	BMV1-p	MT20	3.0	4.0		
K	BMVW-I	MT20	5.0	6.0	2.50	2.75
L	BMVW-I	MT20	4.0	4.0		
M	BS-I	MT20	3.0	6.0		
N	BMVW-I	MT20	4.0	6.0		
O	BS-I	MT20	3.0	6.0		
P	BMVW-I	MT20	4.0	4.0		
Q	BMVW-I	MT20	5.0	6.0	2.50	2.75
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	REQD
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX
R	2065	0	2065	0	5-8	5-8
J	2065	0	2065	0	5-8	5-8

UNFACTORED REACTIONS

	1ST LCASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	
R	1458	970	0	0	0	488	0	0
J	1458	970	0	0	0	488	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 = 3.47 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF 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	VERT. LOAD	MAX	MEMB.	MAX. FACTORED	MAX	
	(LBS)	(PLF)	CSI (LC)		(LBS)	MAX	CSI (LC)
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 35	-91.8 -91.8	0.12 (1)	10.00	Q-C	-321 0	0.11 (1)
B-C	-2317 0	-91.8 -91.8	0.38 (1)	4.16	C-P	-218 0	0.18 (1)
C-D	-2185 0	-91.8 -91.8	0.37 (1)	4.28	P-D	0 266	0.08 (1)
D-E	-2274 0	-91.8 -91.8	0.81 (1)	3.47	D-N	0 691	0.11 (1)
E-F	-2274 0	-91.8 -91.8	0.81 (1)	3.47	N-E	-651 0	0.35 (1)
F-G	-2185 0	-91.8 -91.8	0.37 (1)	4.28	N-F	0 691	0.11 (1)
G-H	-2317 0	-91.8 -91.8	0.38 (1)	4.16	L-F	0 266	0.08 (1)
H-I	0 35	-91.8 -91.8	0.12 (1)	10.00	L-G	-218 0	0.18 (1)
I-B	-2022 0	0.0 0.0	0.21 (1)	5.94	K-G	-321 0	0.11 (1)
J-H	-2022 0	0.0 0.0	0.21 (1)	5.94	B-Q	0 1995	0.45 (1)
					K-H	0 1995	0.45 (1)
R-O	0 0	-18.5 -18.5	0.10 (4)	10.00			
Q-P	0 1953	-18.5 -18.5	0.40 (1)	10.00			
P-O	0 1794	-18.5 -18.5	0.41 (1)	10.00			
O-N	0 1794	-18.5 -18.5	0.41 (1)	10.00			
N-M	0 1794	-18.5 -18.5	0.41 (1)	10.00			
M-L	0 1794	-18.5 -18.5	0.41 (1)	10.00			
L-K	0 1953	-18.5 -18.5	0.40 (1)	10.00			
K-J	0 0	-18.5 -18.5	0.10 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. 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 BCBC 2016, 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/999 (0.11')
ALLOWABLE DEFL.(TL) = L/360 (1.17')
CALCULATED VERT. DEFL.(TL) = L/999 (0.22')

CSI: TC=0.81 (E-F:1), BC=0.41 (L-N:1), WB=0.45 (H-K:1), SS=0.34 (O-D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1655

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (H) (INPUT = 0.93)
JSI METAL= 0.64 (H) (INPUT = 1.00)

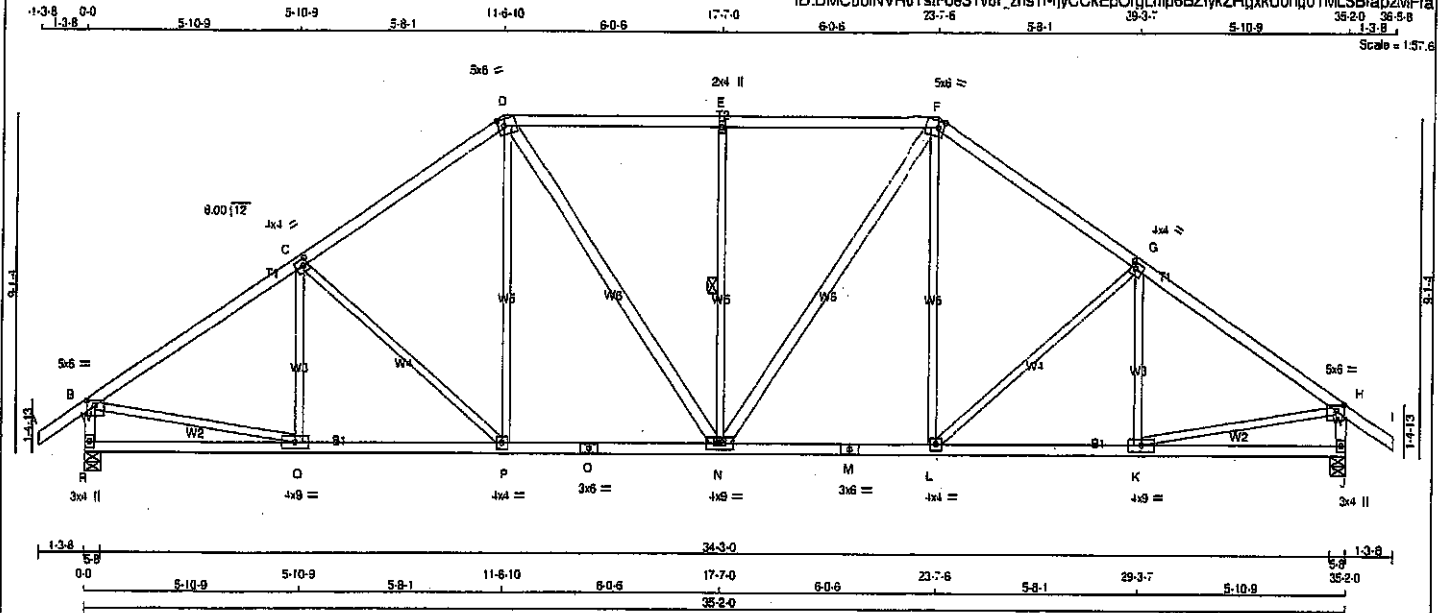


Structural component only
DWG# T-2007607

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408222	T6	2	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6l_zns11-fjyCCKepOrgLmp6BZlykZHqkU0ng01MLSB/apzMFa



TOTAL WEIGHT = 2 X 165 = 329 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W.	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.75	2.75
C	TMVW-l	MT20	4.0	4.0	2.00	1.50
D	TTWW-m	MT20	5.0	6.0	2.25	2.00
E	TMVW-w	MT20	2.0	4.0		
F	TTWW-m	MT20	5.0	6.0	2.25	2.00
G	TMVW-l	MT20	4.0	4.0	2.00	1.50
H	TMVW-p	MT20	5.0	6.0	1.75	2.75
J	BMV1+p	MT20	3.0	4.0		
K	BMVW-l	MT20	4.0	9.0		
L	BMVW-l	MT20	4.0	4.0		
M	BS-l	MT20	3.0	6.0		
N	BMVW-l	MT20	4.0	9.0		
O	BS-l	MT20	3.0	6.0		
P	BMVW-l	MT20	4.0	4.0		
Q	BMVW-l	MT20	4.0	9.0		
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	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
R	2065	0	0	5-8
J	2065	0	0	5-8

UNFACTORED REACTIONS	1ST CASE	MAX. MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
JT	COMBINED	SNOW	LIVE	PERM. LIVE	
R	1458	970	0	0	0
J	1458	970	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 = 3.99 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	CHORDS	WEBS
TOTAL LOAD CASES: (4)	MAX. FACTORED	MAX. FACTORED
	MEMB. FORCE (LBS)	MEMB. FORCE (LBS)
	FR-TO	FR-TO
	A-B	Q-C
	B-C	C-P
	C-D	P-D
	D-E	D-N
	E-F	N-E
	F-G	N-F
	G-H	L-F
	H-I	L-G
	I-B	K-G
	J-H	B-Q
	R-O	K-H
	Q-P	
	P-O	
	O-N	
	N-M	
	M-L	
	L-K	
	K-J	

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, 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

155 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.17')
CALCULATED VERT. DEFL.(LL) = L/999 (0.10')
ALLOWABLE DEFL.(TL) = L/360 (1.17')
CALCULATED VERT. DEFL.(TL) = L/999 (0.19')

CSI: TC=0.52/1.00 (G-H:1), BC=0.39/1.00 (K-L:1), WB=0.45/1.00 (H-K:1), SS=0.27/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

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

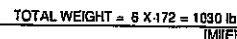
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

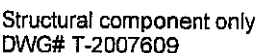
JSI GRIP= 0.87 (H) (INPUT = 0.90)
JSI METAL= 0.56 (H) (INPUT = 1.00)



Structural component only
DWG# T-2007608

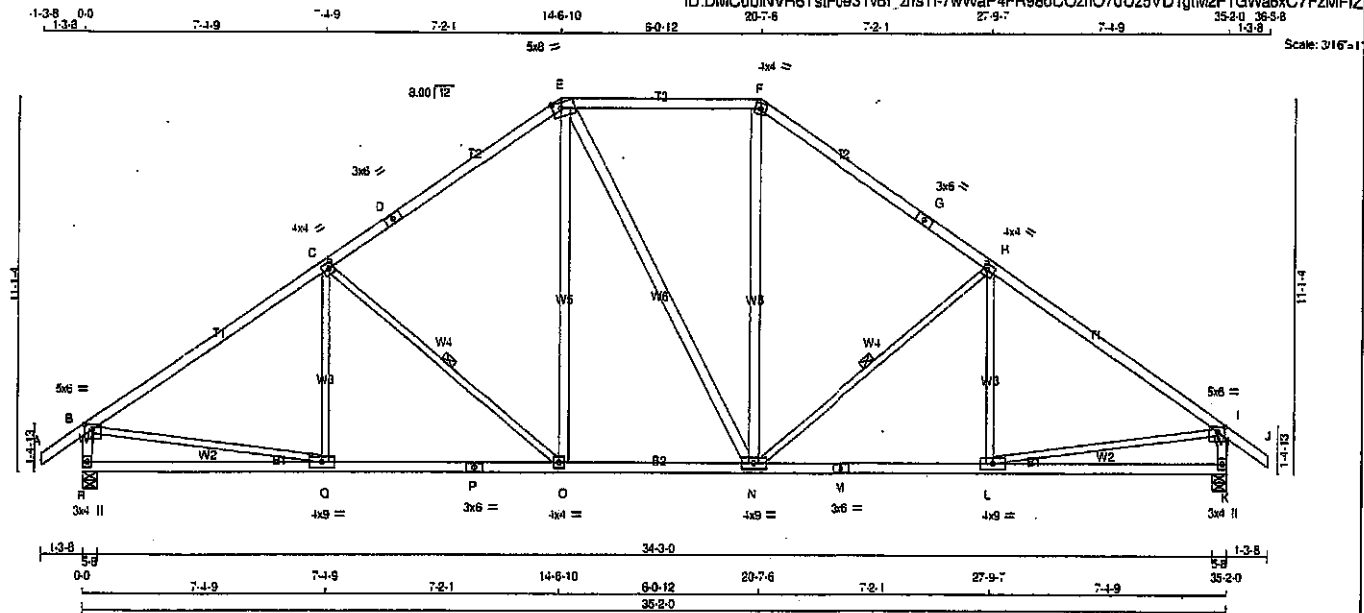


JSI GRIP = 0.87 (J) (INPUT = 0.90)
JSI METAL = 0.67 (N) (INPUT = 1.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408222	T8	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:DMCubINVR6TstF0931v61_zns1l-7wWap4FR98oCOzhO70Uz5VD1gIM2PTGWA6xC7FzMFIZ



TOTAL WEIGHT = 2 X 166 = 333 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	W	LEN	Y	X
JT TYPE PLATES				
B TMVW-p	MT20	5.0	5.0	1.75 2.75
C TMVW-l	MT20	4.0	4.0	2.00 1.50
D TS-l	MT20	3.0	8.0	
E TTWW-m	MT20	5.0	8.0	2.00 3.00
F TTW-m	MT20	4.0	4.0	
G TS-l	MT20	3.0	6.0	
H TMVW-l	MT20	4.0	4.0	2.00 1.50
I TMVW-p	MT20	5.0	6.0	1.75 2.75
K BMVl+p	MT20	3.0	4.0	
L BMVW-l	MT20	4.0	9.0	
M BS-l	MT20	3.0	6.0	
N BMVW-l	MT20	4.0	9.0	
O BMVW-l	MT20	4.0	4.0	
P BS-l	MT20	3.0	6.0	
Q BMVW-l	MT20	4.0	9.0	
R BMVl+p	MT20	3.0	4.0	

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	HORZ	DOWN	HORZ
R	2065	0	2065	0
K	2065	0	2065	0

UNFACTORED REACTIONS	1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
R	1458	970 0 0 0 0 0 488 0 0 0
K	1458	970 0 0 0 0 0 488 0 0 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.45 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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)
	MAX. FACTORED	MAX. FACTORED
	VERT. LOAD (LBS)	VERT. LOAD (LBS)
	FROM TO	FROM TO
	CS (LBS)	CS (LBS)
	UNBRACED LENGTH	UNBRACED LENGTH
	FR-TO	FR-TO
	A-B	0 35
	B-C	-2357 0
	C-D	-1888 0
	D-E	-1888 0
	E-F	-1538 0
	F-G	-1888 0
	G-H	-1888 0
	H-I	-2357 0
	I-J	0 35
	J-K	-2009 0
	K-L	-2009 0
	L-M	0 0
	M-N	0 0
	N-O	0 0
	O-P	0 0
	P-Q	0 0
	Q-R	0 0
	R-S	0 0
	S-T	0 0
	T-U	0 0
	U-V	0 0
	V-W	0 0
	W-X	0 0
	X-Y	0 0
	Y-Z	0 0
	Z-A	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. 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 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) = L/999 (0.09')
ALLOWABLE DEFL.(TL) = L/360 (1.17')
CALCULATED VERT. DEFL.(TL) = L/999 (0.20')

CSI: TC=0.89(1.00) (B-C:1), BC=0.45(1.00) (C-Q:1), WB=0.45(1.00) (B-Q:1), SS=0.27(1.00) (H-L:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

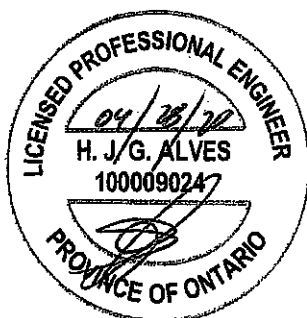
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1857 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (F) (INPUT = 0.90)
JSI METAL= 0.68 (F) (INPUT = 1.00)



Structural component only
DWG# T-2007610

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408222	T9	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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PLATES (table is in inches)

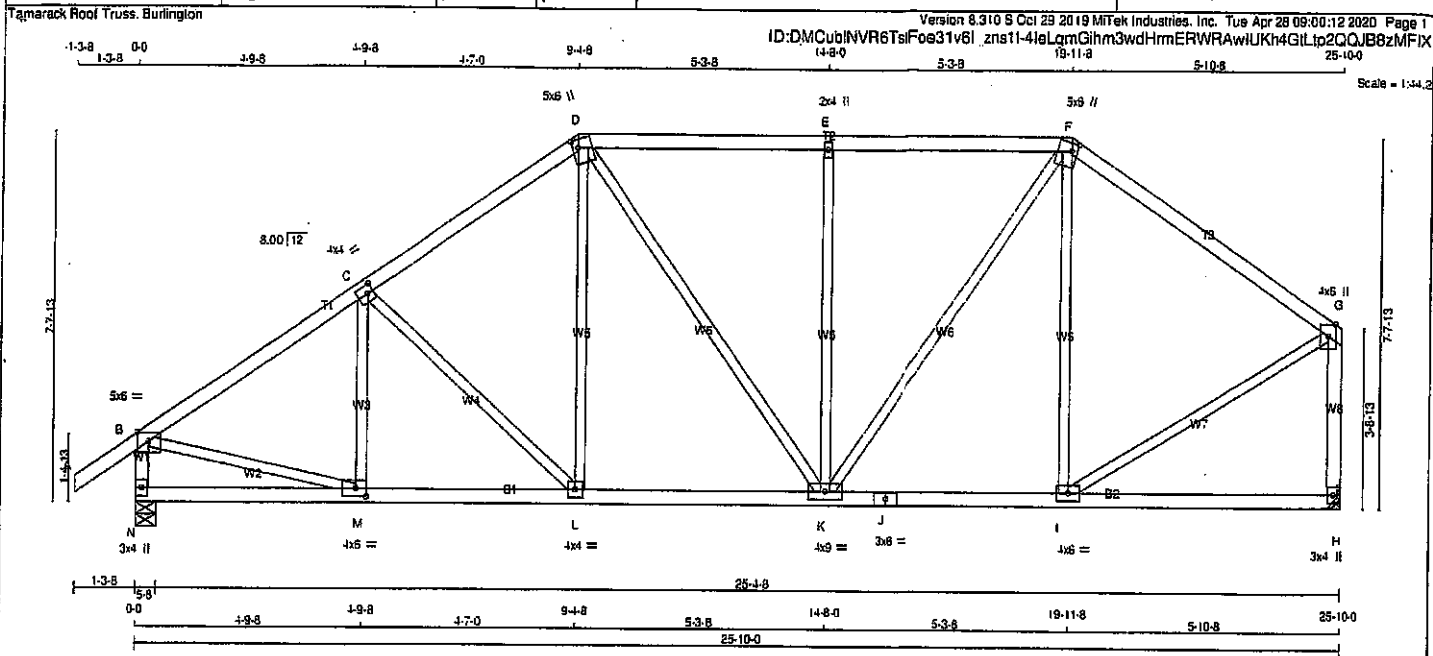
JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	Edge	
C	TMVW-t	MT20	4.0	4.0	2.00	1.50
D	TTWW+m	MT20	5.0	6.0	2.00	1.50
E	TMVW-t	MT20	4.0	4.0		
F	TMVW-w	MT20	2.0	4.0		
G	TTWW+m	MT20	5.0	8.0	2.50	1.50
H	TMVW+p	MT20	4.0	6.0	Edge	
J	BMV1+p	MT20	3.0	6.0		
K, N, O, P						
K	BMVW-t	MT20	5.0	6.0		
L	BMVW-t	MT20	5.0	8.0		
M	BS-t	MT20	5.0	6.0		
O	BMV1+p	MT20	3.0	6.0		

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



Structural component only
DWG# T-2007611

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408222	T10	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					



LUMBER

N. L. G. A. RULES

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

ALL WEBS 2x3 DRY No.2 SPF EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TMVW-i	MT20	4.0	4.0	2.00	1.50
D	TTVW+m	MT20	5.0	6.0	2.00	1.50
E	TMVW-w	MT20	2.0	4.0		
F	TTVW+m	MT20	5.0	6.0	2.00	1.50
G	TMVW-p	MT20	4.0	6.0	Edge	
H	BMV1-p	MT20	3.0	4.0		
I	BMVW-i	MT20	4.0	6.0		
J	BS-i	MT20	3.0	6.0		
K	BMVWVW-i	MT20	4.0	9.0		
L	BMVW-i	MT20	4.0	4.0		
M	BMVW-i	MT20	4.0	6.0	2.00	2.50
N	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	
N	1550	0	1550
H	1424	0	1424

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
N	1094	731	0	0	0	0	0
H	1007	681	0	0	0	0	0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.93 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 (PL)	MAX. CS (LC)	MEMB.	FORCE (LBS)	MAX. CS (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 35	-91.8 -91.8	0.12 (1)	10.00	M-C	-217 3	0.07 (1)
B-C	-1699 0	-91.8 -91.8	0.23 (1)	4.93	C-L	-273 0	0.20 (1)
C-D	-1425 0	-91.8 -91.8	0.23 (1)	5.17	L-D	0 280	0.08 (1)
D-E	-1272 0	-91.8 -91.8	0.35 (1)	5.30	D-K	0 185	0.04 (1)
E-F	-1272 0	-91.8 -91.8	0.35 (1)	5.30	K-E	-595 0	0.84 (1)
F-G	-1077 0	-91.8 -91.8	0.43 (1)	5.52	K-F	0 655	0.15 (1)
N-B	-1511 0	0.0 0.0	0.16 (1)	6.88	I-F	-390 0	0.42 (1)
H-G	-1380 0	0.0 0.0	0.32 (1)	6.92	B-M	0 1396	0.31 (1)
					I-G	0 1031	0.23 (1)
N-M	0 0	-18.5 -18.5	0.09 (4)	10.00			
M-L	0 1362	-18.5 -18.5	0.27 (1)	10.00			
L-K	0 1184	-18.5 -18.5	0.24 (1)	10.00			
K-J	0 890	-18.5 -18.5	0.23 (1)	10.00			
J-I	0 890	-18.5 -18.5	0.23 (1)	10.00			
I-H	0 0	-18.5 -18.5	0.15 (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. CC

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. NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2018 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 (0.86")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.86")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.43/1.00 (F-G-I), BC=0.27/1.00 (L-M-I), WB=0.84/1.00 (E-K-I), SS=0.23/1.00 (E-F-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

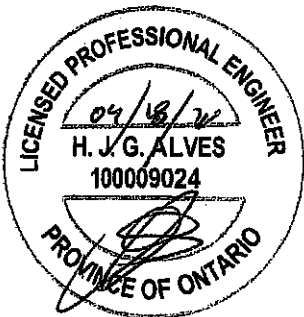
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

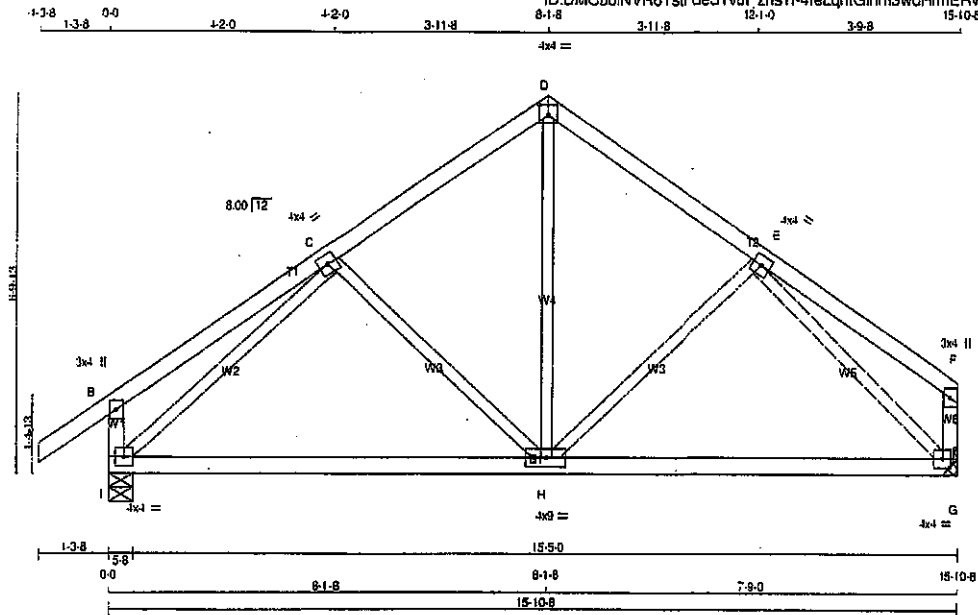
JSI GRIP = 0.89 (B) (INPUT = 0.90)
JSI METAL = 0.56 (G) (INPUT = 1.00)



Structural component only
DWG# T-2007612.

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408222	T11A	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 Scale = 1:38.5



TOTAL WEIGHT = 2 X 68 = 136 lb

<u>LUMBER</u>					
N. L. G. A. RULES					
CHORDS		SIZE			LUMBER
A - D	2x4	DRY			No.2
D - F	2x4	DRY			No.2
I - B	2x4	DRY			No.2
G - F	2x4	DRY			No.2
I - 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	TMV-p	MT20	3.8	4.0		
C	TMVW-t	MT20	4.0	4.0		
D	TTW-p	MT20	4.0	4.0	2.25	2.00
E	TMVW-t	MT20	4.0	4.0		
F	TMV-p	MT20	3.0	4.0		
G	BMVW-t	MT20	4.0	4.0		
H	BMVW-t	MT20	4.0	4.0		
I	BMVW-t	MT20	4.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG
I	VERT	DOWN	0	5-8
G	HORIZ	HORIZ	0	5-8
		UPLIFT	0	MECHANICAL

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

UNFACTORED REACTIONS	1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
I	706	476 0
G	619	406 0

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	MAX. FACTORED	FACTORED	WESS	MAX. FACTORED
MEMB.	FORCE	VERT. LOAD	MEMB.	FORCE
	(LBS)	(PLF)		(LBS)
FR-TO		FROM TO	FR-TO	
A-B	0 35	-91.8 -91.8 0.12 (1)	C-H	-228 0
B-C	0 24	-91.8 -91.8 0.24 (1)	H-D	0 448
C-D	-891 0	-91.8 -91.8 0.19 (1)	H-E	-188 0
D-E	-689 0	-91.8 -91.8 0.17 (1)	I-C	-988 0
E-F	0 24	-91.8 -91.8 0.22 (1)	E-G	-971 0
I-B	-269 0	0.0 0.0 0.03 (1)		
G-F	-125 0	0.0 0.0 0.01 (1)		
I-H	0 722	-18.5 -18.5 0.39 (4)		
H-G	0 677	-18.5 -18.5 0.39 (4)		

DESIGN CRITERIA

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

SPACING = 24.0 IN. CC

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

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

155 % 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 (0.53")
 CALCULATED VERT. DEFL. (LL) = L/999 (0.02")
 ALLOWABLE DEFL. (TL) = L/360 (0.53")
 CALCULATED VERT. DEFL. (TL) = L/999 (0.11")

CSI: TC=0.24 (1.00 (B-C-1), BC=0.39 (1.00 (H-I-4), WB=0.50 (1.00 (C-I-1), SI=0.15 (1.00 (C-D-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

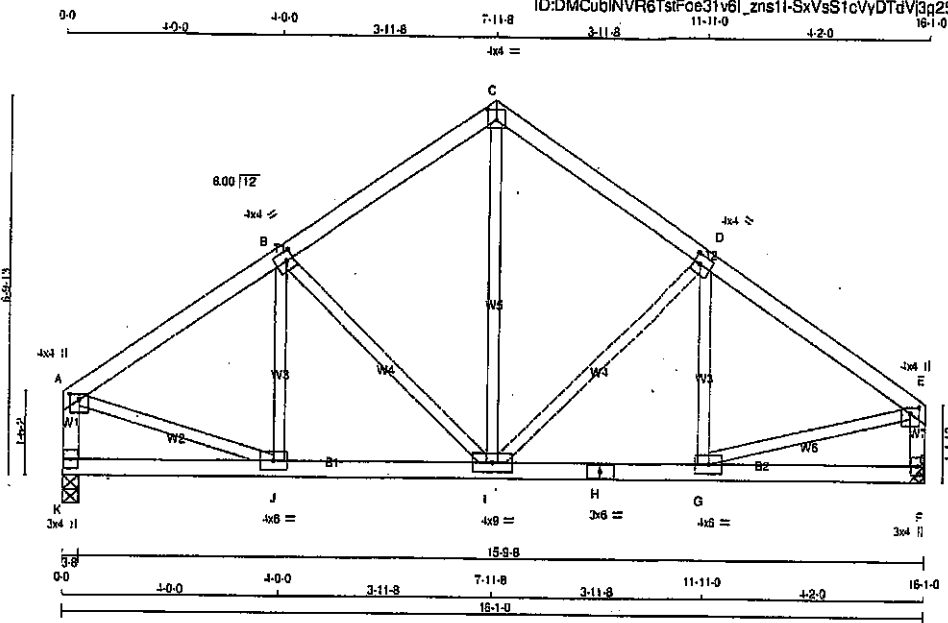
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.84 (E) (INPUT = 0.90)
 JSI METAL = 0.35 (C) (INPUT = 1.00)



Structural component only
 DWG# T-2007613



Scale = 1:38.5

LUMBER

N.L.G.A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
K - A	2x4	DRY	No.2	SPF
F - E	2x4	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
H - F	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
A	TMWW-p	MT20	4.0	4.0	1.25	2.00
B	TMWW-i	MT20	4.0	4.0	2.00	1.50
C	TTW-p	MT20	4.0	4.0	2.25	2.00
D	TMWW-i	MT20	4.0	4.0	2.00	1.50
E	TMWW-p	MT20	4.0	4.0	1.25	2.00
F	BMV1-p	MT20	3.0	4.0		
G	BMWW-i	MT20	4.0	6.0		
H	BS-i	MT20	3.0	6.0		
I	BMWW-i	MT20	4.0	9.0		
J	BMWW-i	MT20	4.0	6.0		
K	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	887	0	0
K VERT	887	0	0
F VERT	887	0	0
JT HORZ	0	0	0
K HORZ	0	0	0
F HORZ	0	0	0

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

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT COMBINED	627
K COMBINED	627
F COMBINED	627

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	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	-866 0	-91.8	-91.8 0.19 (1)	J-B	-142 18	0.04 (1)	
B-C	-687 0	-91.8	-91.8 0.18 (1)	B-I	-263 0	0.13 (1)	
C-D	-688 0	-91.8	-91.8 0.19 (1)	I-C	0 461	0.10 (1)	
D-E	-891 0	-91.8	-91.8 0.20 (1)	I-D	-292 0	0.15 (1)	
K-A	-855 0	0.0	0.0 0.09 (1)	G-D	-117 28	0.03 (1)	
F-E	-859 0	0.0	0.0 0.09 (1)	A-J	0 772	0.17 (1)	
				G-E	0 787	0.18 (1)	
K-J	0 0	-18.5	-18.5 0.07 (4)				
J-I	0 740	-18.5	-18.5 0.15 (1)				
I-H	0 761	-18.5	-18.5 0.15 (1)				
H-G	0 781	-18.5	-18.5 0.15 (1)				
G-F	0 0	-18.5	-18.5 0.07 (4)				

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

155 % 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 (0.54")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.54")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CSI: TC=0.20/1.00 (D-E-1), BC=0.15/1.00 (G-L-1), WB=0.18/1.00 (E-G-1), SS=0.15/1.00 (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

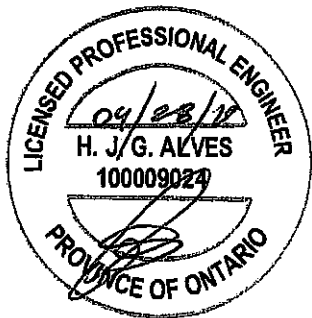
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

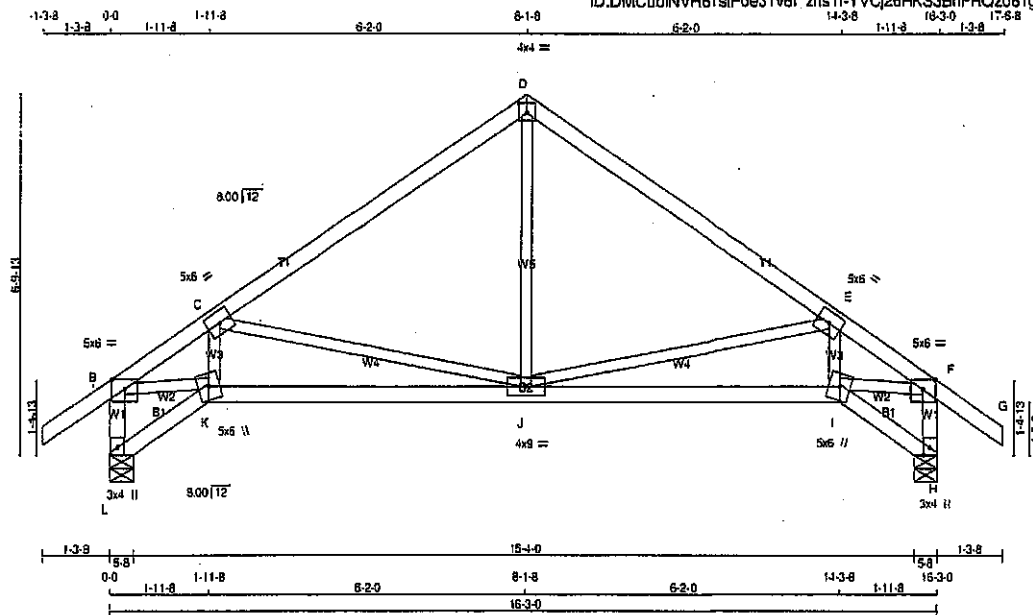
JSI GRIP = 0.85 (E) (INPUT = 0.90)
JSI METAL = 0.25 (H) (INPUT = 1.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408222	T11S	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TslFoe31v6l zns11-YVCj26HKS3BnFRQzo81gJ7reK5PdcqyG49siazMF1W



TOTAL WEIGHT = 2 X 67 = 134 lb

LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
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 - K	2x4	DRY	No.2
K - I	2x4	DRY	No.2
I - H	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	5.0	6.0 Edge
C	TMWW-t	MT20	5.0	6.0
D	TTW-p	MT20	4.0	4.0 2.25 2.00
E	TMWW-t	MT20	5.0	6.0
F	TMVW-p	MT20	5.0	6.0 Edge
H	BMV1+p	MT20	3.0	4.0 Edge
I	BBWW+m	MT20	5.0	6.0
J	BBWWW-t	MT20	4.0	9.0
K	BBWW+m	MT20	5.0	6.0
L	BMV1+p	MT20	3.0	4.0 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	VERT	GROSS REACTION	GROSS REACTION	BRG	BRG
L	1022	0	1022	0	5-8
H	1022	0	1022	0	5-8

UNFACTORED REACTIONS							
	1ST LCASE	MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
L	720	486.0	0.0	0.0	0.0	234.0	0.0
H	720	486.0	0.0	0.0	0.0	234.0	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 = 4.97 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. CS (LC)	MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS (LC)
FR-TO		FROM TO					
L-B	-1004 0	0.0 0.0	0.11 (1)	7.80	B-K	0 1321	0.30 (1)
A-B	0 35	-91.8 -91.8	0.12 (1)	10.00	K-C	0 55	0.02 (4)
B-C	-1508 0	-91.8 -91.8	0.33 (1)	4.97	C-J	-859 0	0.48 (1)
C-D	-841 0	-91.8 -91.8	0.41 (1)	8.08	J-D	0 444	0.10 (1)
D-E	-841 0	-91.8 -91.8	0.42 (1)	8.07	E-J	-861 0	0.47 (1)
E-F	-1510 0	-91.8 -91.8	0.33 (1)	4.97	F-E	0 56	0.02 (4)
F-G	0 35	-91.8 -91.8	0.12 (1)	10.00	I-F	0 1323	0.30 (1)
H-F	-1004 0	0.0 0.0	0.11 (1)	7.80			
L-K	0 0	-18.5 -18.5	0.02 (4)	10.00			
K-J	0 1319	-18.5 -18.5	0.33 (1)	10.00			
J-I	0 1320	-18.5 -18.5	0.33 (1)	10.00			
I-H	0 0	-18.5 -18.5	0.02 (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 = 24.9 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

155% 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 (0.54")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.54")
CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSI: TC=0.42/1.00 (D-E:1), BC=0.33/1.00 (J-I:1), WB=0.47/1.00 (E-J:1), SS=0.21/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1897 788 1987 1858

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

JSI GRIP = 0.89 (I) (INPUT = 0.90)
JSI METAL = 0.47 (K) (INPUT = 1.00)



Structural component only
DWG# T-2007614

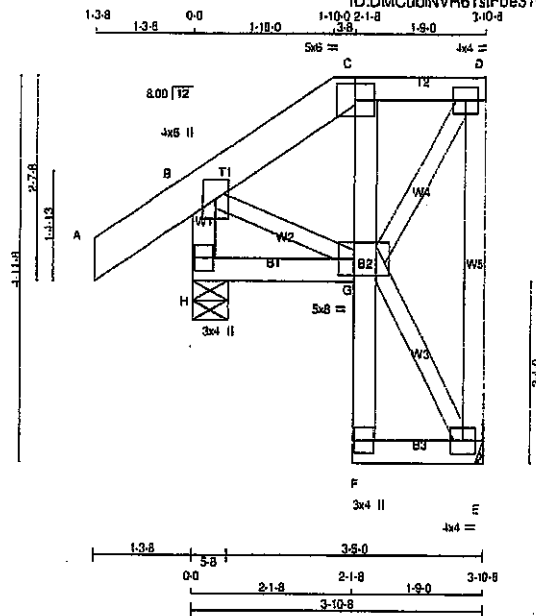
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408222	T12S	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubNVR6TstFoe31v6I zns11-0hm5FSlyDNJdia?9MsYvGLOuJVqYLOs6VkvQG0zMFIV

Scale = 1:27.5



TOTAL WEIGHT = 31 lb

LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.	BEARINGS	FACTORED	MAXIMUM FACTORED
A - C	2x8	DRY	No.2	SPF	FACTORED	GROSS REACTION	MAXIMUM FACTORED
C - D	2x4	DRY	No.2	SPF	FACTORED	GROSS REACTION	MAXIMUM FACTORED
E - D	2x4	DRY	No.2	SPF	FACTORED	GROSS REACTION	MAXIMUM FACTORED
H - B	2x4	DRY	No.2	SPF	FACTORED	GROSS REACTION	MAXIMUM FACTORED
H - G	2x4	DRY	No.2	SPF	FACTORED	GROSS REACTION	MAXIMUM FACTORED
F - C	2x4	DRY	No.2	SPF	FACTORED	GROSS REACTION	MAXIMUM FACTORED
F - E	2x4	DRY	No.2	SPF	FACTORED	GROSS REACTION	MAXIMUM FACTORED

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	6.0		
C	TTV-m	MT20	5.0	6.0		
D	TMVW-t	MT20	4.0	4.0		
E	BMVW-t	MT20	4.0	4.0		
F	BMVW+p	MT20	3.0	4.0		
G	BMVW-t	MT20	5.0	8.0	2.50	2.50
H	BMVW-t	MT20	3.0	4.0		

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	151	99	0	0	0	52	0
H	241	172	0	0	0	69	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 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.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. FACTORED (LBS)	MEMB.	FORCE (LBS)	MAX. FACTORED (LBS)	MAX. FACTORED (LBS)
FR-TO				FR-TO			
A-B	0	36	-91.8	G-D	0	139	0.03 (1)
B-C	-105	0	-91.8	B-G	0	96	0.02 (1)
C-D	-79	0	-91.8	G-E	-3	0	0.00 (1)
E-D	-196	0	0.0				
H-B	-323	0	0.0				
H-G	0	0	-18.5				
F-G	0	17	0.0				
G-C	-119	0	0.0				
F-E	0	2	-18.5				

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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 086-14

- TPIC 2011, TPIC 2014

155 % 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=0.08/1.00 (D-E:1), BC=0.03/1.00 (G-H:4),

WB=0.03/1.00 (D-G:1), SS=0.07/1.00 (A-B:5)

COL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

MT20 618 354 1667 789 1997 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

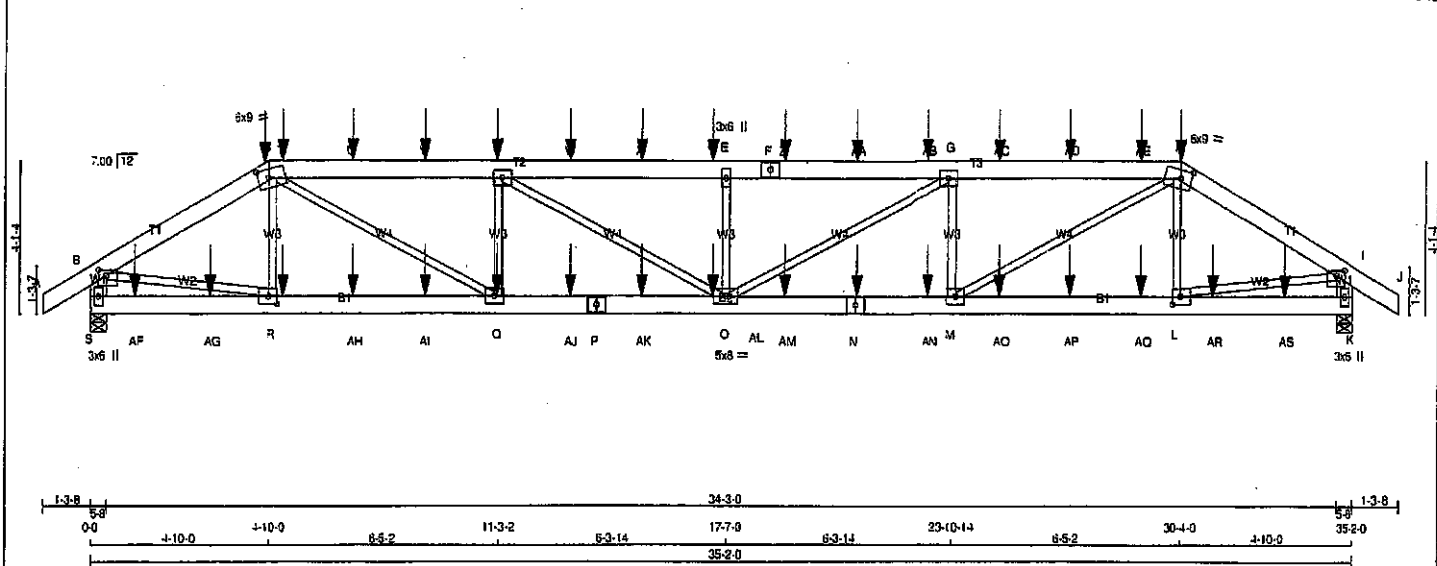
JSI GRIP= 0.19 (B) INPUT= 0.90 (

JSI METAL= 0.11 (B) INPUT= 1.00 (

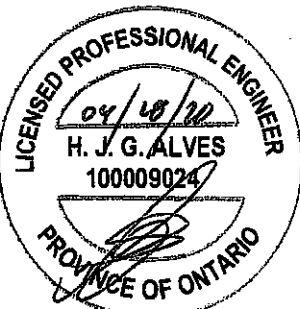


Structural component only
DWG# T-2007615

JOB NAME 408223	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 MTek Industries, Inc. Tue Apr 28 10:04:02 2020 Page 1	
ID:DMCub\NVR8TstFog31v6\ zns11-x73EgNd7\XbU8sascpObPaw0PaBNFZ7YIB c8zMEMh				23-10-13 35-20 36-5-8 1-3-8	
Scale = 1:57.6					



LUMBER N. L. C. A. RULES CHORDS SIZE LUMBER DESCR. SPF A - C 2x6 DRY No.2 SPF C - F 2x6 DRY No.2 SPF F - H 2x6 DRY No.2 SPF H - J 2x6 DRY No.2 SPF S - B 2x6 DRY No.2 SPF K - I 2x6 DRY No.2 SPF P - N 2x6 DRY No.2 SPF N - K 2x6 DRY No.2 SPF ALL WEBS 2x3 DRY No.2 SPF EXCEPT DRY: SEASONED LUMBER. DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS: CHORDS #ROWS SURFACE SPACING (IN) LOAD(PLF) TOP CHORDS : (0.122"x3") SPIRAL NAILS A-C 2 12 SIDE(122.0) C-F 2 12 SIDE(183.1) F-H 2 12 SIDE(61.0) H-J 2 12 SIDE(122.0) 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(0.0) N-K 2 12 SIDE(0.0) 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.				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 S 3423 0 3423 0 0 5-8 5-8 K 3365 0 3365 0 0 5-8 5-8 UNFACTORED REACTIONS 1ST CASE MAX/MIN COMPONENT REACTIONS JT COMBINED SNOW LIVE PERM.LIVE WIND DEAD SOIL S 2418 1600 0 0 0 0 0 818 0 0 0 K 2378 1573 0 0 0 0 0 804 0 0 0 BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) S, K BRACING TOP CHORD TO BE SHEATHED OR MAX. PURLINE SPACING = 4.03 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 VERT. LOAD LC1 MAX MAX. MAX. FACTORED (LBS) (PLF) CSI (LC) UNBRAC MEMB. FORCE MAX (LBS) (LBS) CSI (LC) FR-TO FROM TO LENGTH FR-TO A-B 0 33 -91.8 -91.8 0.04 (1) 10.00 R-C -431 9 0.05 (1) B-C -4681 0 -91.8 -91.8 0.13 (1) 5.23 C-Q 0 3534 0.44 (1) C-T -7102 0 -91.8 -91.8 0.31 (1) 4.26 Q-D -1565 0 0.19 (1) T-U -7102 0 -91.8 -91.8 0.31 (1) 4.26 D-O 0 1048 0.13 (1) U-V -7102 0 -91.8 -91.8 0.32 (1) 4.26 O-E -864 0 0.10 (1) V-D -7102 0 -91.8 -91.8 0.31 (1) 4.26 E-G 0 1085 0.13 (1) D-W -8010 0 -91.8 -91.8 0.32 (1) 4.05 M-H -1573 0 0.19 (1) W-X -8010 0 -91.8 -91.8 0.32 (1) 4.05 M-H 0 3572 0.44 (1) X-Y -8010 0 -91.8 -91.8 0.32 (1) 4.05 L-H -421 10 0.05 (1) Y-E -8010 0 -91.8 -91.8 0.32 (1) 4.05 B-R 0 4069 0.51 (1) E-F -8010 0 -91.8 -91.8 0.33 (1) 4.03 L-I 0 4022 0.50 (1) F-Z -8010 0 -91.8 -91.8 0.33 (1) 4.03 Z-AA -8010 0 -91.8 -91.8 0.33 (1) 4.03 AA-AB -8010 0 -91.8 -91.8 0.33 (1) 4.03 AB-G -8010 0 -91.8 -91.8 0.33 (1) 4.03 G-AC -7070 0 -91.8 -91.8 0.30 (1) 4.27 AC-AD -7070 0 -91.8 -91.8 0.30 (1) 4.27 AD-AE -7070 0 -91.8 -91.8 0.30 (1) 4.27 AE-H -7070 0 -91.8 -91.8 0.30 (1) 4.27 H-I -4608 0 -91.8 -91.8 0.13 (1) 5.26 I-J 0 33 -91.8 -91.8 0.04 (1) 10.00 S-B -3367 0 0.0 0.0 0.12 (1) 7.58 K-I -3318 0 0.0 0.0 0.12 (1) 7.63 S-AF 0 0 -18.5 -18.5 0.08 (4) 10.00 AF-AG 0 0 -18.5 -18.5 0.08 (4) 10.00 AG-R 0 0 -18.5 -18.5 0.08 (4) 10.00 R-AH 0 4024 -18.5 -18.5 0.31 (1) 10.00 AH-AI 0 4024 -18.5 -18.5 0.31 (1) 10.00 AI-O 0 4024 -18.5 -18.5 0.31 (1) 10.00 O-AJ 0 7102 -18.5 -18.5 0.52 (1) 10.00 AJ-P 0 7102 -18.5 -18.5 0.52 (1) 10.00 P-AK 0 7102 -18.5 -18.5 0.52 (1) 10.00 AK-AL 0 7102 -18.5 -18.5 0.52 (1) 10.00 AL-O 0 7102 -18.5 -18.5 0.52 (1) 10.00 O-AM 0 7070 -18.5 -18.5 0.52 (1) 10.00 AM-N 0 7070 -18.5 -18.5 0.52 (1) 10.00 N-AN 0 7070 -18.5 -18.5 0.52 (1) 10.00 AN-M 0 7070 -18.5 -18.5 0.52 (1) 10.00 M-AO 0 3960 -18.5 -18.5 0.30 (1) 10.00 AO-AP 0 3960 -18.5 -18.5 0.30 (1) 10.00 AP-AQ 0 3960 -18.5 -18.5 0.30 (1) 10.00 AQ-L 0 3960 -18.5 -18.5 0.30 (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 = 6.0 PSF BOT CH. LL = 6.0 PSF DL = 7.4 PSF TOTAL LOAD = 39.0 PSF SPACING = 24.0 IN. C/C LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12 *** NON STANDARD GIRDER *** ADDTL. USER-DEFINED LOADS APPLIED TO ALL LOAD CASES. THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015 THIS DESIGN COMPLIES WITH: - PART 9 OF BCBC 2018, CBC 2012, ABC 2019 - PART 9 OF CBC 2012 (2019 AMENDMENT) - CSA 086-09, CSA 088-14 - TPIC 2011, TPIC 2014 155% 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 (0.20") ALLOWABLE DEFL.(TL) = L/360 (1.17") CALCULATED VERT. DEFL.(TL) = L/999 (0.37") CSI: TC=0.33(1.00) (E-G:1) , BC=0.52(1.00) (O-Q:1) , WB=0.51(1.00) (B-R:1) , SS=0.18(1.00) (G-H:1) DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS=1.00 COMPANION LIVE LOAD FACTOR = 1.00 AUTOSOLVE HEELS OFF TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT. NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI) (PLI) MAX MIN MAX MIN MAX MIN MT20 618 354 1867 788 1987 1656 PLATE PLACEMENT TOL. = 0.250 inches PLATE ROTATION TOL. = 3.0 Deg. JSI GRIP= 0.89 (Q) INPUT = 0.90) JSI METAL= 0.68 (P) INPUT = 1.00)			
--	--	--	--	--	--	--	--	---	--	--	--



Structural component only
DWG# T-2007632 1/2

PLATES (table is in inches)

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

LOADING

TOTAL LOAD CASES: (4)

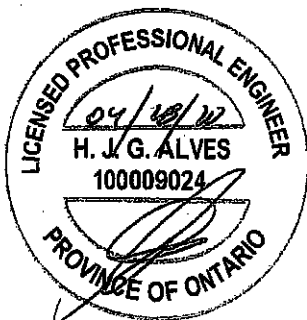
CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	UNBRAC
FR-TO		FROM TO		LENGTH FR-TO			
L-AR	0 0	-18.5 -18.5	0.06 (4)	10.00			
AR-AS	0 0	-18.5 -18.5	0.06 (4)	10.00			
AS-K	0 0	-18.5 -18.5	0.06 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	4-10-0	-60	-67	---	FRONT	VERT	DEAD	---	C1
C	4-10-0	-311	-311	---	FRONT	VERT	SNOW	---	C1
D	11-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
H	30-4-0	-60	-67	---	FRONT	VERT	DEAD	---	C1
H	30-4-0	-311	-311	---	FRONT	VERT	SNOW	---	C1
N	21-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
O	11-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
R	5-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
T	5-2-12	-138	-138	---	FRONT	VERT	TOTAL	---	C1
U	7-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
V	9-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
W	13-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
X	15-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Y	17-2-12	-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	29-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AF	1-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AG	3-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AH	7-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AI	9-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AJ	13-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AK	15-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AL	17-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AM	19-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AN	23-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AO	25-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AP	27-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AO	29-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AR	31-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AS	33-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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



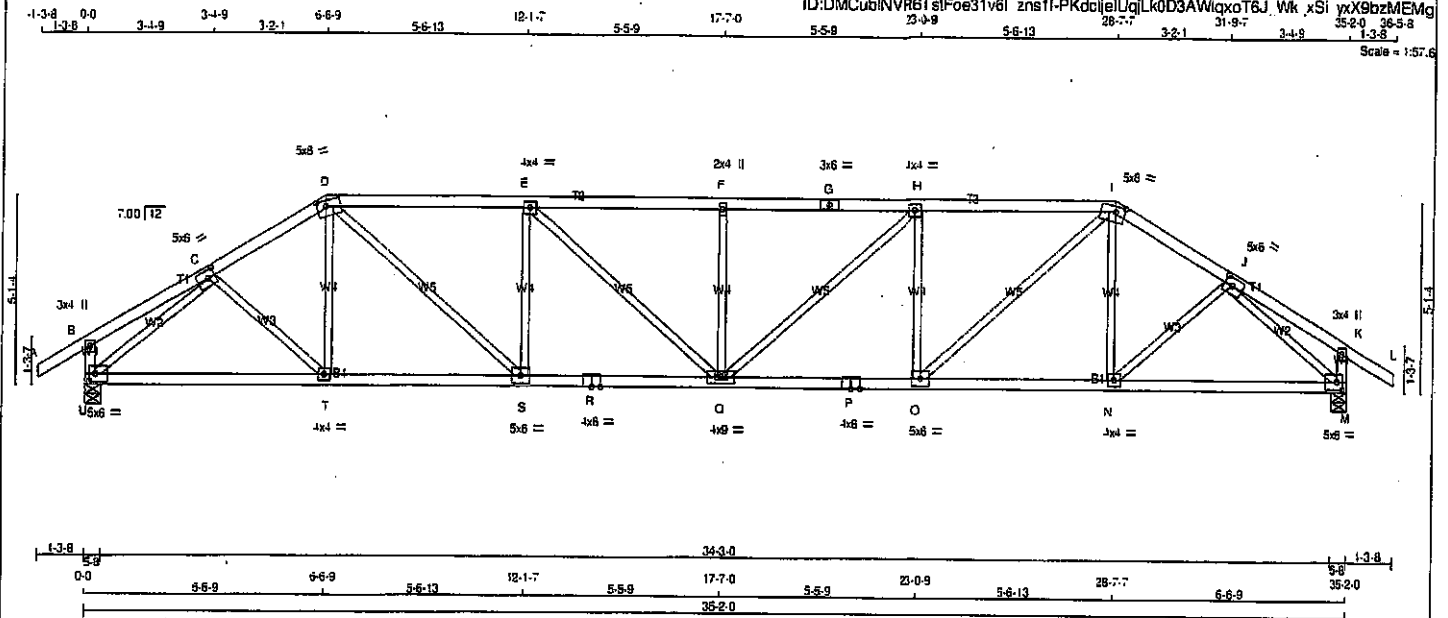
Structural component only
DWG# T-2007632

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408223	T21	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

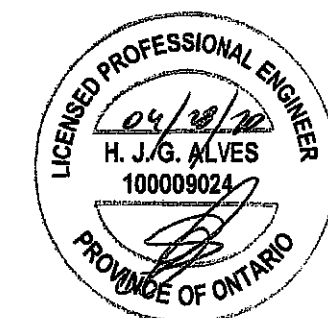
Version 8.310 S Oct 29 2019 MTek Industries, Inc. Tue Apr 28 10:04:03 2020 Page 1
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Scale = 1:57.6

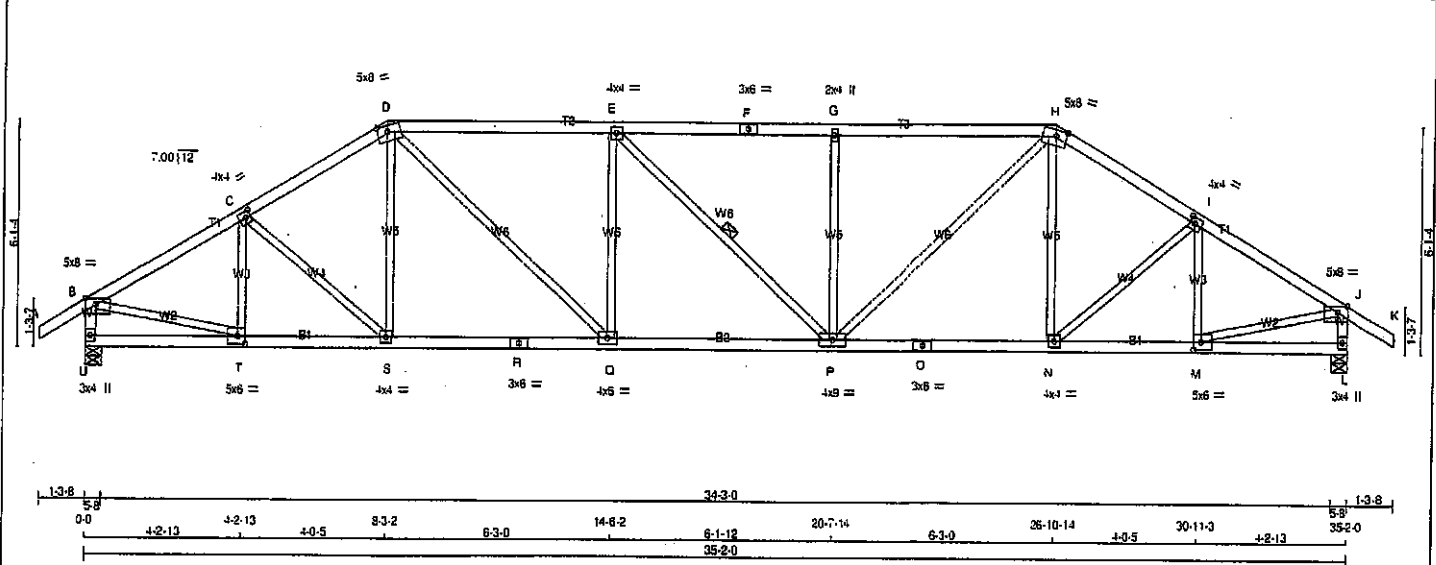


TOTAL WEIGHT = 142 lb

LUMBER N. L. G. A. RULES CHORDS SIZE LUMBER DESCR. A - D 2x4 DRY No.2 SPF D - G 2x4 DRY No.2 SPF G - I 2x4 DRY No.2 SPF I - L 2x4 DRY No.2 SPF U - B 2x4 DRY No.2 SPF M - K 2x4 DRY No.2 SPF U - R 2x4 DRY No.2 SPF R - P 2x4 DRY No.2 SPF P - M 2x4 DRY No.2 SPF ALL WEBS 2x3 DRY No.2 SPF EXCEPT DRY: SEASONED LUMBER.				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER BEARINGS FACTORED MAXIMUM FACTORED INPUT REORD GROSS REACTION GROSS REACTION BRG BRG JT VERT HORZ DOWN HORZ UPLIFT IN-SX IN-SX U 2064 0 2064 0 0 5-8 5-8 M 2064 0 2064 0 0 5-8 5-8 UNFACTORED REACTIONS 1ST LCASE MAX. MIN. COMPONENT REACTIONS JT COMBINED SNOW LIVE PERM. LIVE WIND DEAD SOIL U 1457 970 0 0 0 0 0 488 0 0 0 M 1457 970 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 = 3.12 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED. ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED. LOADING TOTAL LOAD CASES: (4) CHORDS MAX. FACTORED FACTORED WEBS MAX. FACTORED MEMB. FORCE VERT. LOAD LC1 MAX. MEMB. FORCE MAX. (LBS) (PLF) CSI (LC) UNBRAC LENGTH FR-TO (LBS) CSI (LC) FR-TO A-B 0 32 -91.8 -91.8 0.12 (1) 10.00 C-T 0 213 0.05 (1) B-C 0 13 -91.8 -91.8 0.12 (1) 10.00 T-D -8 89 0.02 (4) C-D -2527 0 -91.8 -91.8 0.20 (1) 4.18 D-S 0 1447 0.33 (1) D-E -3264 0 -91.8 -91.8 0.66 (1) 3.30 S-E -853 0 0.33 (1) E-F -3585 0 -91.8 -91.8 0.70 (1) 3.12 E-Q 0 428 0.10 (1) F-G -3585 0 -91.8 -91.8 0.70 (1) 3.12 Q-F -462 0 0.18 (1) G-H -3585 0 -91.8 -91.8 0.66 (1) 3.30 O-H -853 0 0.33 (1) H-I -3264 0 -91.8 -91.8 0.12 (1) 10.00 N-I -8 89 0.02 (4) I-J -2527 0 -91.8 -91.8 0.12 (1) 10.00 N-J 0 213 0.05 (1) J-K 0 13 -91.8 -91.8 0.12 (1) 10.00 U-C -2671 0 0.82 (1) K-L 0 32 -91.8 -91.8 0.12 (1) 10.00 J-M -2671 0 0.82 (1) U-B -249 0 0.0 0.0 0.03 (1) 7.81 M-K -249 0 0.0 0.0 0.03 (1) 7.81 U-T 0 2005 -18.5 -18.5 0.42 (1) 10.00 T-S 0 2167 -18.5 -18.5 0.44 (1) 10.00 S-R 0 3264 -18.5 -18.5 0.58 (1) 10.00 R-Q 0 3264 -18.5 -18.5 0.58 (1) 10.00 Q-P 0 3264 -18.5 -18.5 0.58 (1) 10.00 P-O 0 3264 -18.5 -18.5 0.58 (1) 10.00 O-N 0 2167 -18.5 -18.5 0.44 (1) 10.00 N-M 0 2005 -18.5 -18.5 0.42 (1) 10.00				DESIGN CRITERIA SPECIFIED LOADS: TOP CH. LL = 25.6 PSF DL = 6.0 PSF BOT CH. LL = 0.0 PSF DL = 7.4 PSF TOTAL LOAD = 39.0 PSF SPACING = 24.0 IN. C/C LOADING IN FLAT SECTION BASED ON A SLOPE OF 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 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) = L/999 (0.21") ALLOWABLE DEFL.(TL) = L/360 (1.17") CALCULATED VERT. DEFL.(TL) = L/999 (0.39") CSI: TC=0.70/1.00 (E-F:1), BC=0.58/1.00 (Q-S:1), WB=0.82/1.00 (J-M:1), SS=0.24/1.00 (D-E:1) DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10 COMPANION LIVE LOAD FACTOR = 1.00 TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT. NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI) MAX MIN MAX MIN MAX MIN MT20 618 354 1667 788 1987 1656 PLATE PLACEMENT TOL. = 0.250 inches PLATE ROTATION TOL. = 5.0 Deg. JSI GRIP = 0.90 (M) (INPUT = 0.90) JSI METAL = 0.74 (R) (INPUT = 1.00)			
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Structural component only
DWG# T-2007633



LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	V	X
B TMWV-p	MT20	5.0	8.0	Edge 3.50	
C TMWW-t	MT20	4.0	4.0	2.00 1.75	
D TTWW-m	MT20	5.0	8.0	2.00 3.50	
E TMWW-t	MT20	4.0	4.0		
F TS-t	MT20	3.0	6.0		
G TMW-w	MT20	2.0	4.0		
H TTWW-m	MT20	5.0	8.0	2.00 3.50	
I TMWW-t	MT20	4.0	4.0	2.00 1.75	
J TMWV-p	MT20	5.0	8.0	Edge 3.50	
L BMV1-p	MT20	3.0	4.0		
M BMWW-t	MT20	5.0	8.0	2.50 2.50	
N BMWW-t	MT20	4.0	4.0		
O BS-t	MT20	3.0	6.0		
P BMWWV-t	MT20	4.0	9.0		
Q BMWW-t	MT20	4.0	6.0		
R BS-t	MT20	3.0	6.0		
S BMWW-t	MT20	4.0	4.0		
T BMWW-t	MT20	5.0	6.0	2.50 2.50	
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	2064	0	0	0
U	2064	0	0	0
L	2064	0	0	0

UNFACTORED REACTIONS

	1ST LOASE	MAX. MIN. COMPONENT REACTIONS						
JT COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL		
U	1457	970	0	0	0	0	468	0
L	1457	970	0	0	0	0	468	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 = 3.37 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-P.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 32	-91.8 -91.8 0.12 (1)	10.00	T-C	-428 0	0.10 (1)	
B-C	-2468 0	-91.8 -91.8 0.35 (1)	4.07	C-S	-39 0	0.02 (1)	
C-D	-2478 0	-91.8 -91.8 0.34 (1)	4.05	S-D	0 131	0.04 (4)	
D-E	-2910 0	-91.8 -91.8 0.75 (1)	3.37	D-Q	0 1076	0.24 (1)	
E-F	-2809 0	-91.8 -91.8 0.74 (1)	3.38	Q-E	-617 0	0.36 (1)	
F-G	-2809 0	-91.8 -91.8 0.75 (1)	3.38	E-P	-2 0	0.00 (1)	
G-H	-2809 0	-91.8 -91.8 0.75 (1)	3.38	P-G	-617 0	0.36 (1)	
H-I	-2478 0	-91.8 -91.8 0.34 (1)	4.05	P-H	0 1073	0.24 (1)	
I-J	-2468 0	-91.8 -91.8 0.35 (1)	4.07	N-H	0 132	0.04 (4)	
J-K	0 32	-91.8 -91.8 0.12 (1)	10.00	M-I	-39 0	0.02 (1)	
U-B	-2025 0	0.0 0.0 0.21 (1)	5.94	M-I	-428 0	0.10 (1)	
L-J	-2025 0	0.0 0.0 0.21 (1)	5.94	B-T	0 2205	0.50 (1)	
				M-J	0 2205	0.50 (1)	
U-T	0 0	-18.5 -18.5 0.07 (4)	10.00				
T-S	0 2149	-18.5 -18.5 0.41 (1)	10.00				
S-R	0 2122	-18.5 -18.5 0.41 (1)	10.00				
R-O	0 2122	-18.5 -18.5 0.41 (1)	10.00				
Q-P	0 2910	-18.5 -18.5 0.54 (1)	10.00				
P-O	0 2122	-18.5 -18.5 0.41 (1)	10.00				
O-N	0 2122	-18.5 -18.5 0.41 (1)	10.00				
N-M	0 2149	-18.5 -18.5 0.41 (1)	10.00				
M-L	0 0	-18.5 -18.5 0.07 (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 NBCC 2010, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 085-14
- TPIC 2011, TPIC 2014

155% 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 (0.16")
ALLOWABLE DEFL.(TL) = L/360 (1/17")
CALCULATED VERT. DEFL.(TL) = L/999 (0.30")

CSI: TC=0.75(1.00 (D-E:1), BC=0.54(1.00 (P-Q:1), WB=0.50(1.00 (B-T:1), SS=0.27(1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.69 (T) INPUT = 0.90
JSI METAL = 0.70 (O) INPUT = 1.00

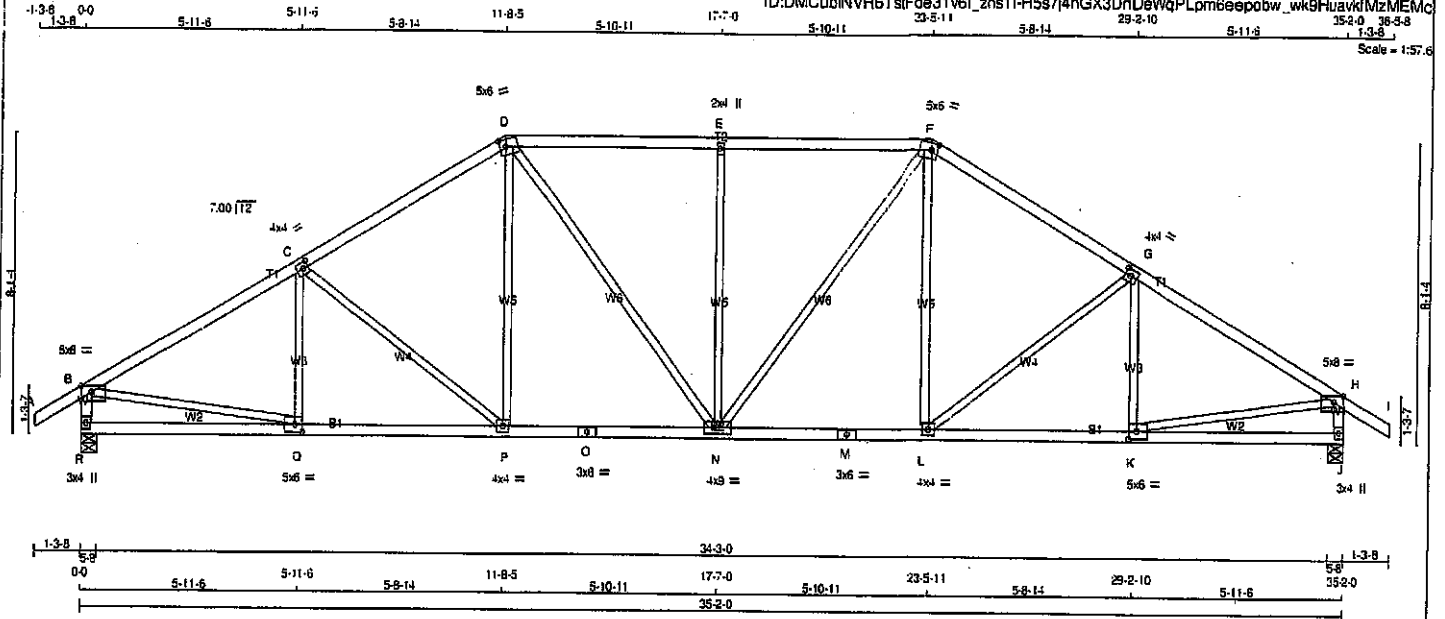


Structural component only
DWG# T-2007635

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408223	T24	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER				TOTAL WEIGHT = 151 lb			
N. L. G. A. RULES				BEARINGS							
CHORDS	SIZE	DRY	LUMBER	DESCR.	FACTORED	MAXIMUM FACTORED	INPUT	RECORD	DESIGN CRITERIA		
A - D	2x4	DRY	No.2	SPF	GROSS REACTION	GROSS REACTION	BRG	BRG	SPECIFIED LOADS:		
D - F	2x4	DRY	No.2	SPF	VERT	HORZ	DOWN	HORZ	TOP CH. LL = 25.6 PSF		
F - I	2x4	DRY	No.2	SPF	2084	0	2084	0	OL = 6.0 PSF		
R - B	2x4	DRY	No.2	SPF	2084	0	2084	0	80T CH. LL = 0.0 PSF		
J - H	2x4	DRY	No.2	SPF					OL = 7.4 PSF		
R - O	2x4	DRY	No.2	SPF					TOTAL LOAD = 39.0 PSF		
O - M	2x4	DRY	No.2	SPF					SPACING = 24.0 IN. C/C		
M - J	2x4	DRY	No.2	SPF							
ALL WEBS	2x3	DRY	No.2	SPF	UNFACTORED REACTIONS						
EXCEPT					1ST LCASE	MAX. M/N. COMPONENT REACTIONS					
					JT COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
					R	1457	970	0	0	488	0
					J	1457	970	0	0	488	0

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B TMVW-p	MT20	5.0	8.0	Edge	3.50
C TMVW-i	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-i	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-i	MT20	5.0	6.0	2.50	2.50
L BMVW-i	MT20	4.0	4.0		
M BS-i	MT20	3.0	6.0		
N BMVW-w	MT20	4.0	9.0		
O BS-i	MT20	3.0	6.0		
P BMVW-i	MT20	4.0	4.0		
Q BMVW-i	MT20	5.0	6.0	2.50	2.50
R BMV1-p	MT20	3.0	4.0		

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

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) R, J
BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.81 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.
 ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING											
TOTAL LOAD CASES: (4)											
CHORDS						WEBS					
MEMB.	MAX. FACTORED	FORCE	VERT. LOAD	LC1	MAX	MEMB.	MAX. FACTORED	FORCE	MAX		
FR-TO	(LBS)	(PLF)	FROM	TO	CS1 (LC)	FR-TO	(LBS)	CS1 (LC)			
A-B	0	32	-91.8	-91.8	0.12 (1)	10.00	C-Q	-252	12	0.08 (1)	
B-C	-2575	0	-91.8	-91.8	0.54 (1)	3.81	C-P	-388	0	0.41 (1)	
C-D	-2283	0	-91.8	-91.8	0.50 (1)	4.05	P-D	0	345	0.08 (1)	
D-E	-2236	0	-91.8	-91.8	0.49 (1)	4.05	D-N	0	480	0.11 (1)	
E-F	-2236	0	-91.8	-91.8	0.49 (1)	4.05	N-E	-652	0	0.84 (1)	
F-G	-2283	0	-91.8	-91.8	0.50 (1)	4.05	N-F	0	480	0.11 (1)	
G-H	-2575	0	-91.8	-91.8	0.54 (1)	3.81	L-F	0	345	0.08 (1)	
H-I	0	32	-91.8	-91.8	0.12 (1)	10.00	L-G	-388	0	0.41 (1)	
I-B	-2016	0	0.0	0.0	0.21 (1)	5.94	K-G	-252	12	0.08 (1)	
J-H	-2016	0	0.0	0.0	0.21 (1)	5.94	B-Q	0	2281	0.51 (1)	
							K-H	0	2281	0.51 (1)	
R-Q	0	0	-18.5	-18.5	0.14 (4)	10.00					
Q-P	0	2251	-18.5	-18.5	0.43 (1)	10.00					
P-O	0	1947	-18.5	-18.5	0.38 (1)	10.00					
O-N	0	1947	-18.5	-18.5	0.38 (1)	10.00					
N-M	0	1947	-18.5	-18.5	0.38 (1)	10.00					
M-L	0	1947	-18.5	-18.5	0.38 (1)	10.00					
L-K	0	2251	-18.5	-18.5	0.43 (1)	10.00					
K-J	0	0	-18.5	-18.5	0.14 (4)	10.00					

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015
 THIS DESIGN COMPLIES WITH:
 - PART 9 OF NBCC 2018, OBC 2012, ABC 2019
 - PART 9 OF OBC 2012 (2019 AMENDMENT)
 - CSA 086-09, CSA 086-14
 - TPIC 2011, TPIC 2014
 155% OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD
 ALLOWABLE DEFL.(LL) = L/360 (1.17")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
 ALLOWABLE DEFL.(TL) = L/360 (1.17")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.22")
 CSI: TC=0.54 (1.00 (B-C:1), SC=0.43 (1.00 (P-Q:1), WB=0.84 (1.00 (E-N:1), SSI=0.26 (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.

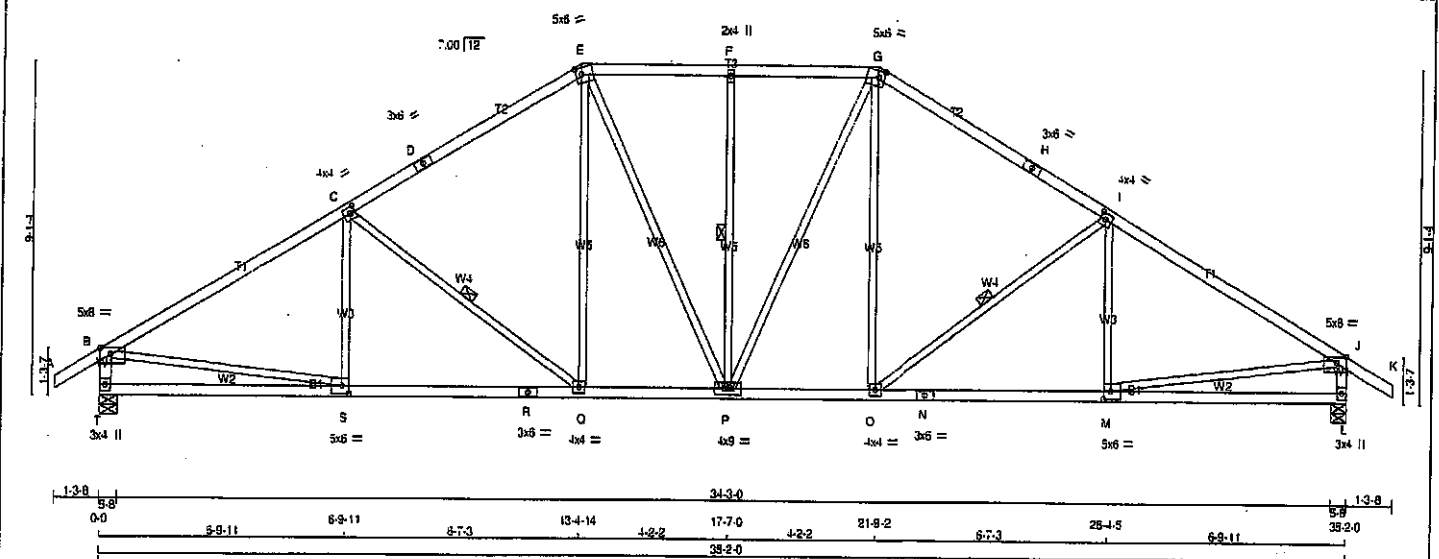
NAIL VALUES			
PLATE GRIP (DRY)	SHEAR	SECTION	
(PSI)	(PLI)	(PLI)	
MAX MIN	MAX MIN	MAX MIN	
MT20	618	354	1867
	788	1987	1656
PLATE PLACEMENT TOL. = 0.250 inches			
PLATE ROTATION TOL. = 5.0 Deg.			
JSI GRIP= 0.86 (Q) (INPUT = 0.90)			
JSI METAL= 0.51 (M) (INPUT = 1.00)			



Structural component only
 DWG# T-2007636

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408223	T25	4	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 ID:DMCubINVR6TstFoe31v6l zns1H-HQVwChuiNMdm50y3K?erAxP?FtGSR7DelqozMEMb
 1-3-8 0-0 5-9-11 5-9-11 5-7-3 13-4-14 4-2-2 17-7-0 4-2-2 21-9-2 5-7-3 25-4-5 5-9-11 1-3-8
 Scale = 1:50.3



LUMBER	N. L. G. 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 - R	2x4	DRY	No.2	SPF	
R - N	2x4	DRY	No.2	SPF	
N - L	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	Edge	3.50
C	TMVW-t	MT20	4.0	4.0	2.00	1.75
D	TS-t	MT20	3.0	6.0		
E	TTWW-m	MT20	5.0	6.0	2.25	2.00
F	TMVW-w	MT20	2.0	4.0		
G	TTWW-m	MT20	5.0	6.0	2.25	2.00
H	TS-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	2.50
N	BS-t	MT20	3.0	6.0		
O	BMVW-t	MT20	4.0	4.0		
P	BMVW-w	MT20	4.0	9.0		
Q	BMVW-t	MT20	4.0	4.0		
R	BS-t	MT20	3.0	6.0		
S	BMVW-t	MT20	5.0	6.0	2.50	2.50
T	BMV1-p	MT20	3.0	4.0		

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
T	2064	0	2064	0
L	2064	0	2064	0

UNFACTORED REACTIONS							
	1ST LOASE	MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
T	1457	970 0	0 0	0 0	0 0	488 0	0 0
L	1457	970 0	0 0	0 0	0 0	488 0	0 0

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

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.54 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-Q, F-P, 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 LOAD CASES: (4)

CHORDS				WEBS						
MAX. FACTORED		FACTORED			MAX. FACTORED		MAX. FACTORED			
MEMB.	FORCE	VERT.	LOAD	LC1	MAX	MAX.	MEMB.	FORCE	MAX	
	(LBS)		(PLF)		CSI (LC)	UNBRAC		(LBS)	CSI (LC)	
FR-TO		FROM	TO			LENGTH	FR-TO			
A-B	0	32	-91.8	-91.8	0.12 (1)	10.00	S-C	-185	51	0.08 (1)
B-C	-2590	0	-91.8	-91.8	0.74 (1)	3.54	C-Q	-548	0	0.26 (1)
C-D	-2156	0	-91.8	-91.8	0.66 (1)	3.91	Q-E	0	431	0.10 (1)
D-E	-2156	0	-91.8	-91.8	0.66 (1)	3.91	E-P	0	288	0.08 (1)
E-F	-1936	0	-91.8	-91.8	0.24 (1)	4.61	P-F	-460	0	0.25 (1)
F-G	-1936	0	-91.8	-91.8	0.24 (1)	4.61	P-G	0	286	0.06 (1)
G-H	-2156	0	-91.8	-91.8	0.66 (1)	3.91	O-G	0	431	0.10 (1)
H-I	-2156	0	-91.8	-91.8	0.66 (1)	3.91	C-I	-548	0	0.25 (1)
I-J	-2590	0	-91.8	-91.8	0.74 (1)	3.54	M-I	-185	51	0.08 (1)
J-K	0	32	-91.8	-91.8	0.12 (1)	10.00	B-S	0	2292	0.52 (1)
T-B	-2011	0	0.0	0.0	0.20 (1)	5.95	M-J	0	2292	0.52 (1)
L-J	-2011	0	0.0	0.0	0.20 (1)	5.95				

T-S	0	0	-18.5	-18.5	0.20 (1)	10.00
S-R	0	2269	-18.5	-18.5	0.46 (1)	10.00
R-Q	0	2269	-18.5	-18.5	0.46 (1)	10.00
Q-P	0	1833	-18.5	-18.5	0.36 (1)	10.00
P-O	0	1833	-18.5	-18.5	0.36 (1)	10.00
O-N	0	2269	-18.5	-18.5	0.46 (1)	10.00
N-M	0	2269	-18.5	-18.5	0.46 (1)	10.00
M-L	0	0	-18.5	-18.5	0.20 (1)	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, NBCC 2010, NBCC 2015

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

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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.11")
 ALLOWABLE DEFL.(TL) = L/360 (1.17")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.22")

CS: TC=0.74/1.00 (I-J:1), BC=0.46/1.00 (M-O:1), WB=0.52/1.00 (J-M:1), SS:0.28/1.00 (I-J:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

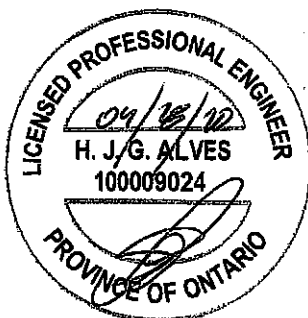
NAIL VALUES

PLATE GRIP(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.

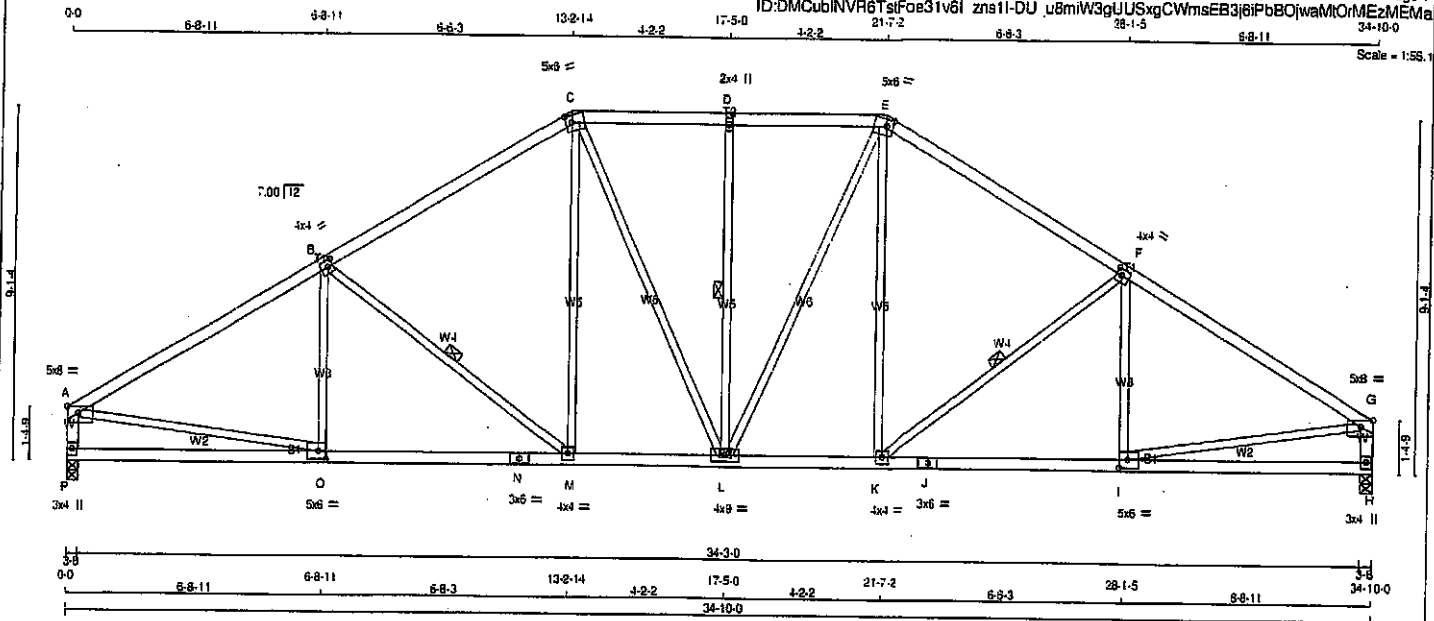
JSI GRIP= 0.85 (S) (INPUT = 0.90)
 JSI METAL= 0.89 (N) (INPUT = 1.00)



Structural component only
 DWG# T-2007637

Tamarack Roof Truss, Burlington

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LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)						
JT	TYPE	PLATES	W	LEN	Y	X
A	TMWW-p	MT20	5.0	8.0	2.00	Edge
B	TMWW-1	MT20	4.0	4.0	2.00	1.75
C	TTWW-m	MT20	5.0	6.0	2.25	2.00
D	TMWW-w	MT20	2.0	4.0		
E	TTWW-m	MT20	5.0	6.0	2.25	2.00
F	TMWW-1	MT20	4.0	4.0	2.00	1.75
G	TMWW-p	MT20	5.0	8.0	Edge	3.50
H	BMV1-p	MT20	3.0	4.0		
I	BMWW-1	MT20	5.0	6.0	2.50	2.50
J	BS-1	MT20	3.0	6.0		
K	BMWW-1	MT20	4.0	4.0		
L	BMWW-1	MT20	4.0	9.0		
M	BMWW-1	MT20	4.0	4.0		
N	BS-1	MT20	3.0	6.0		
O	BMWW-1	MT20	5.0	6.0	2.50	2.50
P	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 IN-SX	RECORD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
P	1920	0	1920	0	3-8	3-8
H	1920	0	1920	0	3-8	3-8

UNFACTORED REACTIONS

JT	1ST CASE		MAX. MIN. COMPONENT REACTIONS		DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE		
P	1358	891	0	0	0	0
H	1358	891	0	0	0	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.64 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF B-M, D-L, F-K.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED 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	-2510 0	-91.8 -91.8 0.71 (1)		O-B	-212 40	0.09 (1)	
B-C	-2113 0	-91.8 -91.8 0.63 (1)		B-M	-510 0	0.24 (1)	
C-D	-1919 0	-91.8 -91.8 0.24 (1)		M-C	0 412	0.09 (1)	
D-E	-1919 0	-91.8 -91.8 0.24 (1)		C-L	0 287	0.09 (1)	
E-F	-2113 0	-91.8 -91.8 0.63 (1)		L-D	-461 0	0.25 (1)	
F-G	-2510 0	-91.8 -91.8 0.71 (1)		L-E	0 287	0.09 (1)	
P-A	-1868 0	0.0 0.0 0.19 (1)		K-E	0 412	0.09 (1)	
H-G	-1868 0	0.0 0.0 0.13 (1)		K-F	-510 0	0.24 (1)	
				I-F	-212 40	0.09 (1)	
P-O	0 0	-18.5 -18.5 0.20 (4)	10.00	A-O	0 2227	0.50 (1)	
O-N	0 2199	-18.5 -18.5 0.45 (1)	10.00	I-G	0 2227	0.50 (1)	
N-M	0 1851	-18.5 -18.5 0.45 (1)	10.00				
M-L	0 1797	-18.5 -18.5 0.35 (1)	10.00				
L-K	0 1797	-18.5 -18.5 0.35 (1)	10.00				
K-J	0 2199	-18.5 -18.5 0.45 (1)	10.00				
J-I	0 2199	-18.5 -18.5 0.45 (1)	10.00				
I-H	0 0	-18.5 -18.5 0.20 (4)	10.00				

TOTAL WEIGHT = 3 X 134 = 402 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

155% 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/999 (0.11")
ALLOWABLE DEFL.(TL) = L/360 (1.16")
CALCULATED VERT. DEFL.(TL) = L/999 (0.21")

CSF: TC=0.71 1.00 (A-B:1), BC=0.45 1.00 (M-O:1), WB=0.50 1.00 (A-O:1), SS=0.26 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
MT20	818	354	1867 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.84 (I) (INPUT = 0.90)
JSI METAL = 0.66 (N) (INPUT = 1.00)

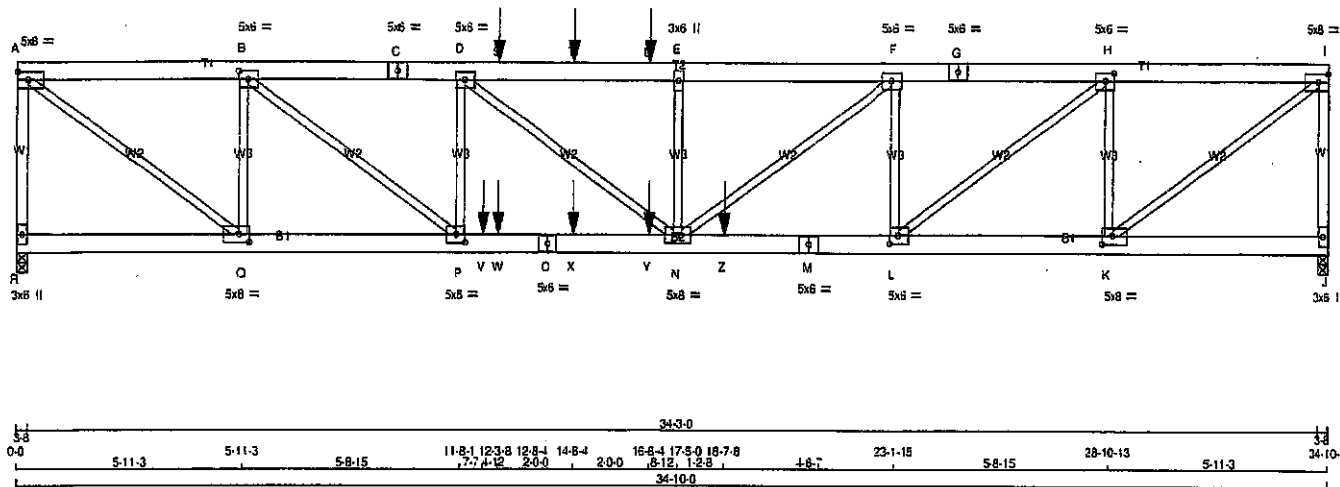
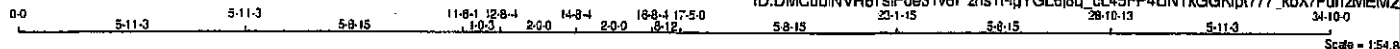


Structural component only
DWG# T-2007638

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
408223	T28	1	2	GREEN PARK HOMES		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TslFoe31v8l zns1l-gYGL6j8q_cL45FP4UNTkGKip777_kbX7PuhzMEMZ



TOTAL WEIGHT = 2 X 183 = 366 LB

LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
R - A	2x4	DRY	No.2
A - C	2x6	DRY	No.2
C - G	2x6	DRY	No.2
G - I	2x6	DRY	No.2
J - I	2x4	DRY	No.2
R - O	2x6	DRY	No.2
O - M	2x6	DRY	No.2
M - J	2x6	DRY	No.2
ALL WEBS	2x3	DRY	No.2
DRY: SEASONED LUMBER.			

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
R-A 1	12	TOP
I-J 1	12	TOP
A-C 2	12	TOP
C-G 2	12	SIDE(0.0)
G-I 2	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
R-O 2	12	SIDE(0.0)
O-M 2	12	SIDE(0.0)
M-J 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.

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	DOWN	HORZ	UPLIFT	BRG	IN-SX
R	3373	0	0	3373	0	0	0	3-8	3-8
J	3103	0	0	3103	0	0	0	3-8	3-8

UNFACTORED REACTIONS

1ST CASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
R	2380	1591 0	0 0	0 0	0 0	789 0	0 0
J	2190	1459 0	0 0	0 0	0 0	731 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 = 4.03 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		FACTORED		W E B S	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. (LBS)	MEMB.	FORCE (LBS)
R-A	-3316	0	0.0	K-I	0 4719
A-B	-4149	0	-91.8	A-Q	0 5171
B-C	-7288	0	-91.8	K-H	-2757 0
C-D	-7288	0	-91.8	Q-B	-2997 0
D-E	-8278	0	-91.8	L-H	0 3530
E-F	-8278	0	-91.8	B-P	0 3958
F-G	-8278	0	-91.8	L-F	-1791 0
G-H	-8278	0	-91.8	P-D	-1403 0
H-I	-8278	0	-91.8	N-F	0 2134
I-J	-8278	0	-91.8	D-N	0 1249
J-K	-8278	0	-91.8	N-E	-673 0
K-L	-8278	0	-91.8		
L-M	-8278	0	-91.8		
M-N	-8278	0	-91.8		
N-O	-8278	0	-91.8		
O-P	-8278	0	-91.8		
P-Q	-8278	0	-91.8		
Q-R	-8278	0	-91.8		
R-S	-8278	0	-91.8		
S-T	-8278	0	-91.8		
T-U	-8278	0	-91.8		
U-V	-8278	0	-91.8		
V-W	-8278	0	-91.8		
W-X	-8278	0	-91.8		
X-Y	-8278	0	-91.8		
Y-Z	-8278	0	-91.8		
Z-M	-8278	0	-91.8		
M-L	-8278	0	-91.8		
L-K	-8278	0	-91.8		
K-J	-8278	0	-91.8		

FACTORED CONCENTRATED LOADS (LBS)		FACE		DIR.		TYPE		HEEL		CONN.	
JT	LOC.	LC1	MAX	MAX+	BACK	VERT	TOTAL	...	...	...	...
S	12-8-4	-86	-86	-	BACK	VERT	TOTAL	...	...	...	C1
T	14-8-4	-86	-86	-	BACK	VERT	TOTAL	...	...	...	C1
U	16-8-4	-86	-86	-	BACK	VERT	TOTAL	...	...	...	C1
V	12-3-8	-1052	-1052	-	BACK	VERT	TOTAL	...	...	...	C1
W	12-8-4	-17	-17	-	BACK	VERT	TOTAL	...	...	...	C1
X	14-8-4	-17	-17	-	BACK	VERT	TOTAL	...	...	...	C1
Y	16-8-4	-17	-17	-	BACK	VERT	TOTAL	...	...	...	C1
Z	18-7-8	-1273	-1273	-	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. 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, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

155 % OF 31.3 P.S.F. G.S.I. PLUS 8.4 P.S.F. RAIN LOAD EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFLECTION (LL) = 1.360 (1/16")
CALCULATED VERT. DEFLECTION (LL) = 1.999 (0.21")
ALLOWABLE DEFLECTION (TL) = 1.360 (1/16")
CALCULATED VERT. DEFLECTION (TL) = 1.999 (0.39")

CSI: TC=0.56/1.00 (A-R:1), BC=0.72/1.00 (L-N:1), WB=0.64/1.00 (A-Q:1), SS=0.37/1.00 (L-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.

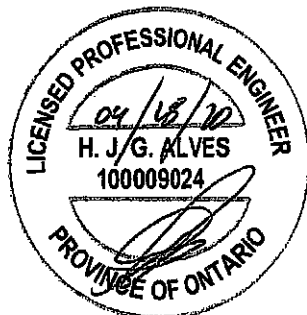
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX	MIN	MAX
MT20	818	354
	1667	788
	1987	1556

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.89 (I) (INPUT = 0.90)
JSI METAL = 0.73 (M) (INPUT = 1.00)



Structural component only
DWG# T-2007639 1/4

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408223	T28	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

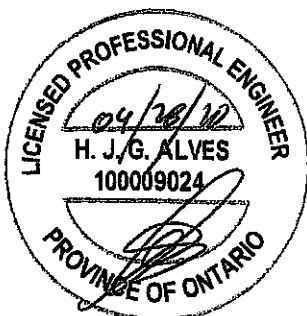
Version 8.310 S Oct 28 2019 Mitek Industries, Inc. Tue Apr 28 10:04:10 2020 Page 2
ID:DMCubINVR6TslFce31v6I zns1l-igYGL68g cl45FP4UNTKGGKlot777 kbX7PuhzMEMZ

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMWW-I	MT20	5.0	8.0	2.50	3.25
B	TMWW-I	MT20	5.0	8.0	2.50	2.75
C	TS-I	MT20	5.0	6.0		
D	TMWW-I	MT20	5.0	6.0		
E	TMWW-w	MT20	3.0	6.0		
F	TMWW-I	MT20	5.0	6.0		
G	TS-I	MT20	5.0	6.0		
H	TMWW-I	MT20	5.0	6.0	2.50	2.75
I	TMWW-I	MT20	5.0	8.0	2.50	3.25
J	BMV1-p	MT20	3.0	6.0		
K	BMWW-I	MT20	5.0	8.0	2.50	3.25
L	BMWW-I	MT20	5.0	8.0	2.50	2.75
M	BS-I	MT20	5.0	6.0		
N	BMWW-I	MT20	5.0	8.0		
O	BS-I	MT20	5.0	6.0		
P	BMWW-I	MT20	5.0	6.0	2.50	2.75
Q	BMWW-I	MT20	5.0	8.0	2.50	3.25
R	BMV1-p	MT20	3.0	6.0		

CONNECTION REQUIREMENTS

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

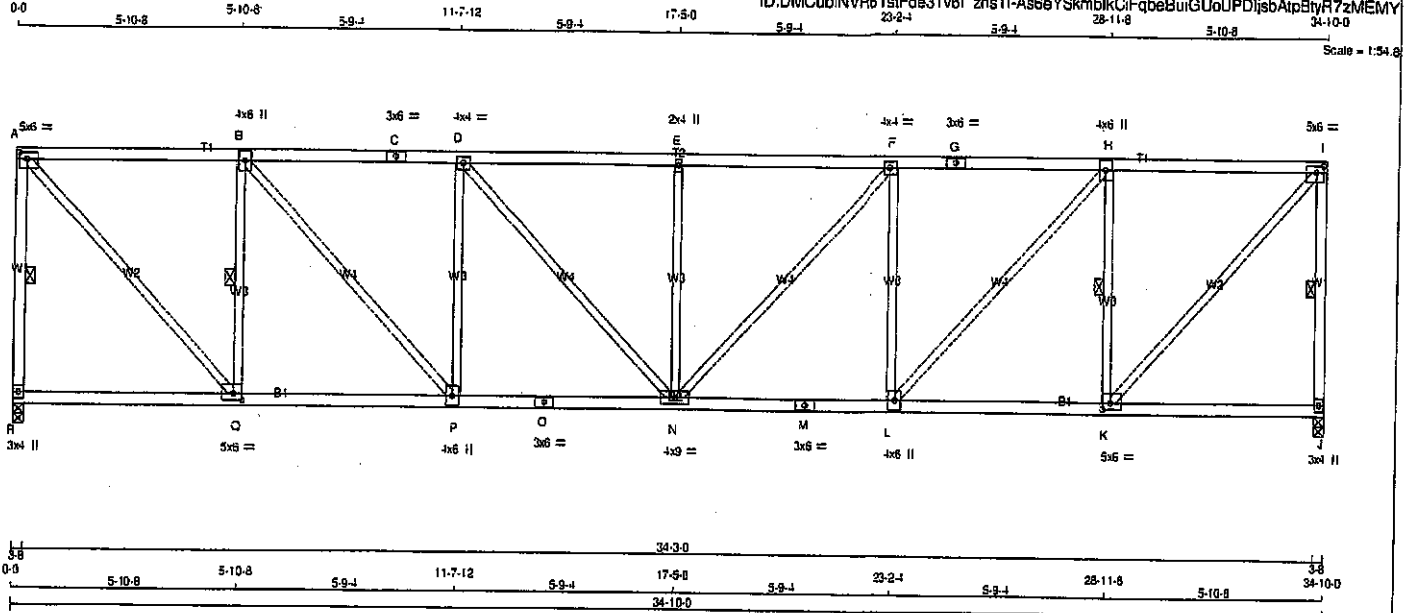


Structural component only
DWG# T-2007639 2/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408223	T29	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFos31v6l zns11-As6eYSkmbkCfQbeBuiGUoUPDIjsbAtpBtyR7zMEMY
23-2-1 28-11-8 34-10-0
Scale = 1:54.8



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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
R	1920	0	1920	0
J	1920	0	1920	0

UNFACTORED REACTIONS

1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT	COMBINED					
R	1358	891	0	0	0	0
J	1358	891	0	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 = 3.72 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, B-Q, H-K.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX.	MEMB.	MAX. FACTORED	MAX.	
	FORCE	(PLF)	(LBS)	(LC)	UNBRAC		FORCE	LC1	
FR-TO		FROM	TO		LENGTH	FR-TO			
R-A	-1876	0	0.0	0.0	0.37 (1)	4.90	A-Q	0 2281	
A-B	-1593	0	-91.8	-91.8	0.53 (1)	4.61	Q-B	-1540 0	
B-C	-2426	0	-91.8	-91.8	0.63 (1)	3.77	B-P	0 1272	
C-D	-2426	0	-91.8	-91.8	0.63 (1)	3.77	P-D	-831 0	
D-E	-2725	0	-91.8	-91.8	0.58 (1)	3.72	D-N	0 440	
E-F	-2725	0	-91.8	-91.8	0.58 (1)	3.72	N-E	-539 0	
F-G	-2426	0	-91.8	-91.8	0.63 (1)	3.77	E-F	0 440	
G-H	-2426	0	-91.8	-91.8	0.63 (1)	3.77	F-G	-831 0	
H-I	-1593	0	-91.8	-91.8	0.53 (1)	4.61	I-H	0 1272	
I-J	-1876	0	0.0	0.0	0.37 (1)	4.90	J-I	-1540 0	
R-Q	0	0	-18.5	-18.5	0.15 (4)	10.00	Q-R	0 2281	
Q-P	0 1593		-18.5	-18.5	0.33 (1)	10.00	P-Q	0 1272	
P-O	0 2426		-18.5	-18.5	0.44 (1)	10.00	O-P	0 1272	
O-N	0 2426		-18.5	-18.5	0.44 (1)	10.00	N-O	0 1272	
N-M	0 2426		-18.5	-18.5	0.44 (1)	10.00	M-N	0 1272	
M-L	0 2426		-18.5	-18.5	0.44 (1)	10.00	L-M	0 1272	
L-K	0 1593		-18.5	-18.5	0.33 (1)	10.00	K-L	0 1272	
K-J	0	0	-18.5	-18.5	0.15 (4)	10.00	J-K	0 1272	

TOTAL WEIGHT = 2 X 157 = 314 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 NBCC 2010, NBC 2012, ABC 2019
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (1.16")
CALCULATED VERT. DEFL.(LL) = L/999 (0.16")
ALLOWABLE DEFL.(TL) = L/360 (1.16")
CALCULATED VERT. DEFL.(TL) = L/999 (0.31")

CSI: TC=0.63/1.00 (F-H), BC=0.44/1.00 (N-P), WS=0.58/1.00 (F-L), SS=0.25/1.00 (A-B)

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.

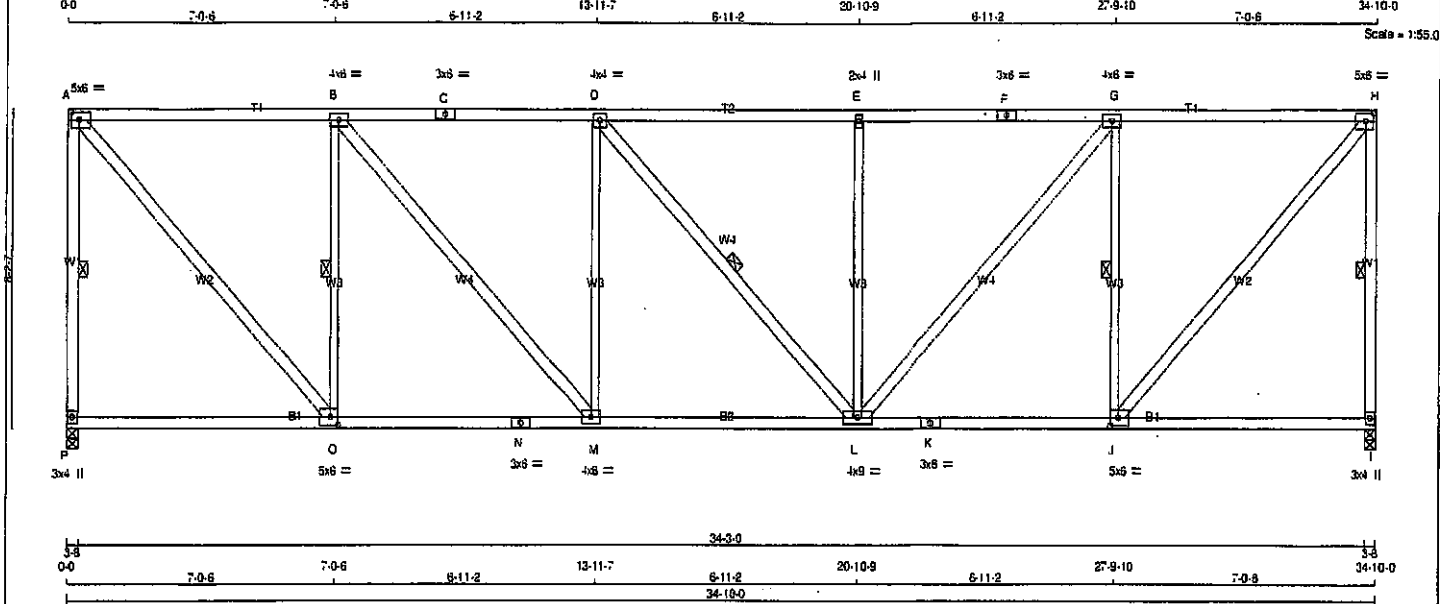
JSI GRIP = 0.87 (A) (INPUT = 0.90)
JSI METAL = 0.78 (M) (INPUT = 1.00)



Structural component only
DWG# T-2007640

JOB NAME 408223	TRUSS NAME T30	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

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ID:DMCubINVR6TstFoe31v6l, zns1f-a3q0mk0Mbs3JPPnBvPxpHb5cdJb7s02rcVzZMEMX



TOTAL WEIGHT = 2 X 179 = 358 lb [M]

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

DRY: SEASONED LUMBER.

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

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

UNFACTORED REACTIONS		MAX. MIN. COMPONENT REACTIONS	
JT	1ST CASE	SNOW	LIVE
P	1358	891	0
I	1358	891	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 = 3.60 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		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CS (LC)	MEMB.	FORCE (LBS)	MAX. CS (LC)	MAX. CS (LC)
FR-TO		FROM TO		FR-TO			
P-A	-1868	0.0	0.0 0.57 (1)	A-D	0	2156	0.35 (1)
A-B	-1432	-91.8	-91.8 0.78 (1)	D-B	-1466	0	0.52 (1)
B-C	-2081	-91.8	-91.8 0.89 (1)	B-M	0	986	0.16 (1)
C-D	-2081	-91.8	-91.8 0.89 (1)	M-D	-617	0	0.81 (1)
D-E	-2081	-91.8	-91.8 0.89 (1)	D-L	-2	0	0.09 (1)
E-F	-2081	-91.8	-91.8 0.89 (1)	L-G	-516	0	0.81 (1)
F-G	-2081	-91.8	-91.8 0.89 (1)	G-H	0	984	0.16 (1)
G-H	-1432	-91.8	-91.8 0.78 (1)	H-J	-1466	0	0.82 (1)
H-I	-1868	0.0	0.0 0.57 (1)	I-H	0	2156	0.35 (1)
P-O	0	-18.5	-18.5 0.22 (4)	O-N	0	1432	-18.5 -18.5 0.35 (1)
O-N	0	-18.5	-18.5 0.35 (1)	N-M	0	1432	-18.5 -18.5 0.35 (1)
N-M	0	-18.5	-18.5 0.35 (1)	M-L	0	2081	-18.5 -18.5 0.42 (1)
M-L	0	-18.5	-18.5 0.35 (1)	L-K	0	1432	-18.5 -18.5 0.35 (1)
L-K	0	-18.5	-18.5 0.35 (1)	K-J	0	1432	-18.5 -18.5 0.35 (1)
K-J	0	-18.5	-18.5 0.35 (1)	J-I	0	0	-18.5 -18.5 0.22 (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

LOADING IN PLAT 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 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 (1.16")
CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
ALLOWABLE DEFL.(TL) = L/360 (1.16")
CALCULATED VERT. DEFL.(TL) = L/999 (0.24")

CS: TC=0.89/1.00 (E-G:1), BC=0.42/1.00 (L-M:1), WB=0.81/1.00 (D-M:1), SS=0.30/1.00 (G-H:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

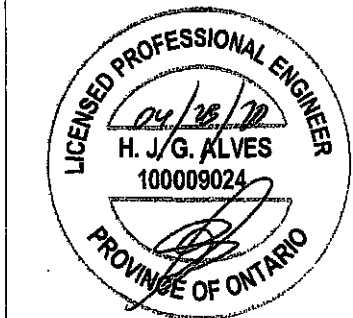
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 789 1987 1655

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.87 (H) (INPUT = 0.90)
JSI METAL = 0.48 (K) (INPUT = 1.00)

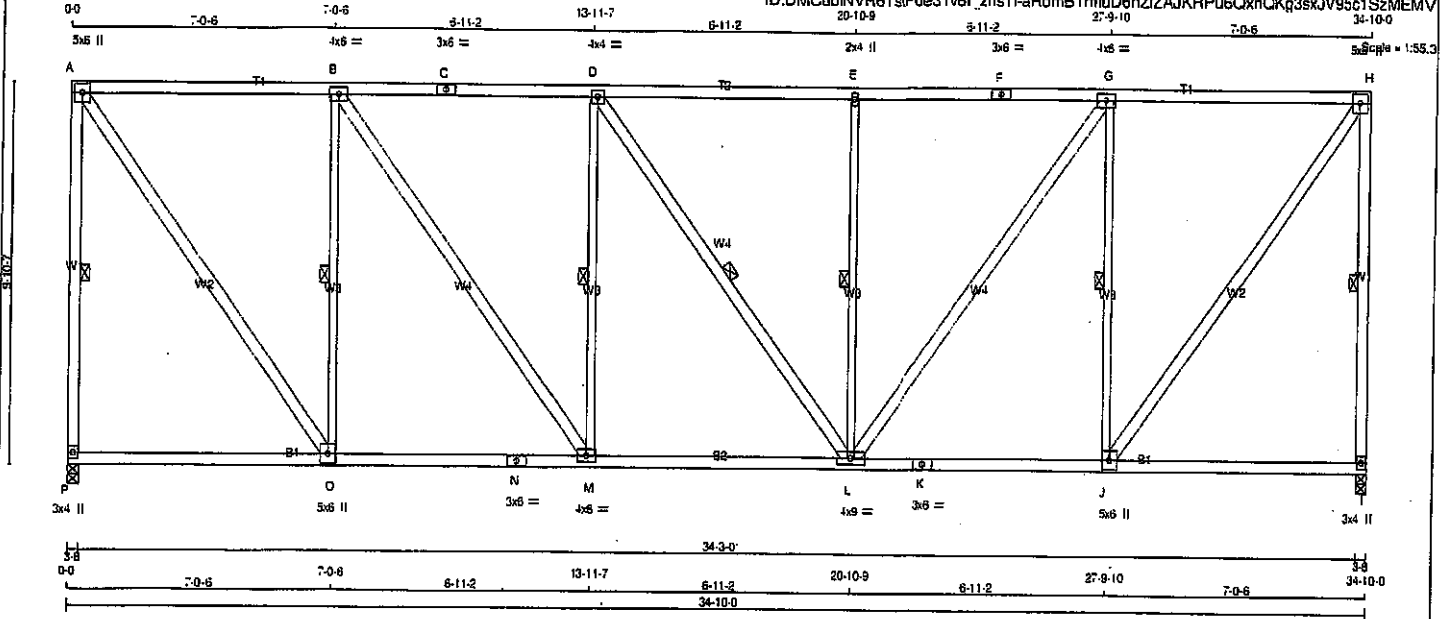


Structural component only
DWG# T-2007641

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408223	T31	5	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TsFoe31v6I_zns1I-aRomBTmIdD6nZiAJKRPu6QxnCKq3sxJV95c1SzMEMV



TOTAL WEIGHT = 5 X 196 = 981 lb

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	6.0	
B	TMVW-l	MT20	4.0	6.0	
C	TS-l	MT20	3.0	6.0	
D	TMVW-l	MT20	4.0	4.0	
E	TMVW-w	MT20	2.0	4.0	
F	TS-l	MT20	3.0	6.0	
G	TMVW-l	MT20	4.0	6.0	
H	TMVW-p	MT20	5.0	6.0	
I	BMV1+p	MT20	3.0	4.0	
J	BMVW-l	MT20	5.0	6.0	
K	BS-l	MT20	3.0	6.0	
L	BMVW-w-l	MT20	4.0	9.0	
M	BMVW-l	MT20	4.0	6.0	
N	BS-l	MT20	3.0	6.0	
O	BMVW-l	MT20	5.0	6.0	
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
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	UPLIFT	IN-SX
P	1920	0	1920	0
I	1920	0	1920	0

UNFACTORED REACTIONS

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

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.96 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-M, D-L, E-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	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS (LC)	MAX. UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS (LC)
FR-TO						FR-TO			
P-A	-1868	0	0.0	0.0	0.88 (1)	A-O	0	1993	0.32 (1)
A-B	-1183	0	-91.8	-91.8	0.75 (1)	O-B	-1468	0	0.96 (1)
B-C	-1719	0	-91.8	-91.8	0.82 (1)	B-M	0	916	0.15 (1)
C-D	-1719	0	-91.8	-91.8	0.82 (1)	M-D	-817	0	0.41 (1)
D-E	-1718	0	-91.8	-91.8	0.83 (1)	D-L	-2	0	0.00 (1)
E-F	-1718	0	-91.8	-91.8	0.83 (1)	L-E	-818	0	0.41 (1)
F-G	-1718	0	-91.8	-91.8	0.83 (1)	G-G	0	913	0.15 (1)
G-H	-1183	0	-91.8	-91.8	0.75 (1)	H-G	-1465	0	0.96 (1)
H-I	-1868	0	0.0	0.0	0.88 (1)	I-H	0	2000	0.32 (1)
P-O	0	0	-18.5	-18.5	0.22 (4)				
O-N	0	1183	-18.5	-18.5	0.32 (4)				
N-M	0	1183	-18.5	-18.5	0.32 (4)				
M-L	0	1719	-18.5	-18.5	0.36 (1)				
L-K	0	1183	-18.5	-18.5	0.32 (4)				
K-J	0	1183	-18.5	-18.5	0.32 (4)				
J-I	0	0	-18.5	-18.5	0.22 (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

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

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

ALLOWABLE DEFL.(LL) = L 360 (1.18")
CALCULATED VERT. DEFL.(LL) = L 999 (0.11")
ALLOWABLE DEFL.(TL) = L 360 (1.16")
CALCULATED VERT. DEFL.(TL) = L 999 (0.22")

CSI: TC=0.88(1.00 (H:H-1)), BC=0.36(1.00 (L:M-1)), WB=0.96(1.00 (B-O-1)), SS=0.30(1.00 (G-H-1))

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY)	SHEAR	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 = 0.85 (H) (INPUT = 0.90)
JSI METAL = 0.43 (H) (INPUT = 1.00)



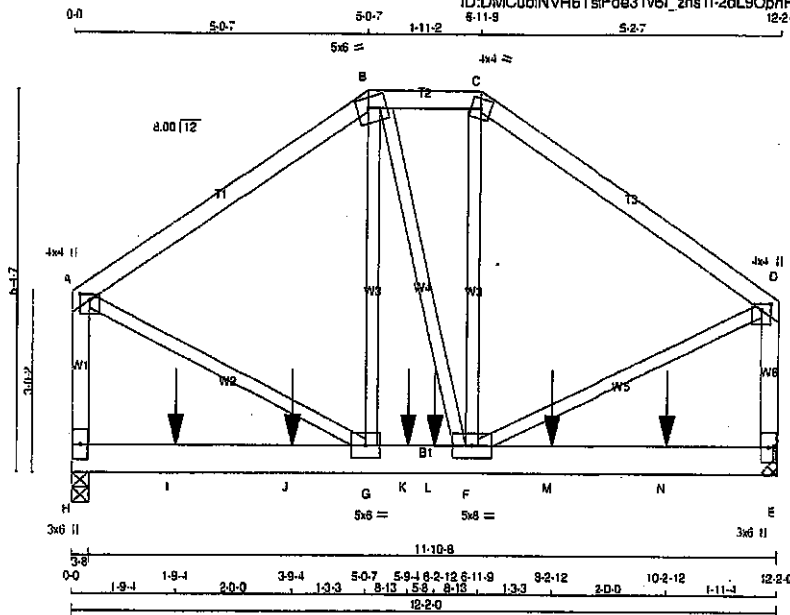
Structural component only
DWG# T-2007642

JOB NAME 408223	TRUSS NAME T32	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:DMCubINVRBTstFoe31v6l_zns11-2dL9OpnHWEeAs8M11yeRKZCFqhAoVATkprAauzMEMU



Scale = 1:25.6

TOTAL WEIGHT = 68 lb

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

ALL WEBS 2x3 DRY No.2 EXCEPT

DRY-SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVV+p	MT20	4.0	4.0	1.25	2.00
B	TTWW-m	MT20	5.0	6.0	2.00	2.25
C	TTW-m	MT20	4.0	4.0		
D	TMVV+p	MT20	4.0	4.0	1.25	2.00
E	BMV1+p	MT20	3.0	6.0		
F	BMWW-i	MT20	5.0	8.0		
G	BMWW-i	MT20	5.0	6.0		
H	BMV1+p	MT20	3.0	6.0		

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	RECORD
JT	VERT	GROSS REACTION	GROSS REACTION	BRG	BRG
H	1233	0	1233	0	3-8
E	1218	0	1218	0	MECHANICAL

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

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	887	596	0	0	0	0	271	0
E	856	568	0	0	0	0	288	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.77 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 LC1 (LBS)	MAX. FACTORED FORCE (LBS)
FR-TO		FROM	TO
A-B	-863	0	-91.8
B-C	-721	0	-91.8
C-D	-864	0	-91.8
H-A	-1065	0	0.0
E-D	-1057	0	0.0
H-I	0	0	-18.5
I-J	0	0	-18.5
J-G	0	0	-18.5
G-K	0	711	-18.5
K-L	0	711	-18.5
L-F	0	711	-18.5
F-M	0	0	-18.5
M-N	0	0	-18.5
N-E	0	0	-18.5

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
I	1-9-4	-172	-172	---	BACK	VERT	TOTAL	---	C1
J	3-9-4	-195	-195	---	BACK	VERT	TOTAL	---	C1
K	5-9-4	-187	-187	---	BACK	VERT	TOTAL	---	C1
L	6-2-12	-187	-187	---	BACK	VERT	TOTAL	---	C1
M	8-2-12	-195	-195	---	BACK	VERT	TOTAL	---	C1
N	10-2-12	-172	-172	---	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. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.0/12

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 085-14
- TPC 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 (0.41")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.41")
CALCULATED VERT. DEFL.(TL) = L/999 (0.04")

CS: TC=0.51 1.00 (C-D:1), BC=0.28 1.00 (F-G:1), WB=0.20 1.00 (A-G:1), SS=0.20 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

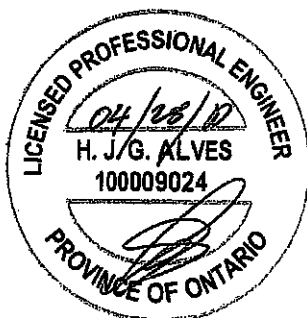
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 789 1957 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

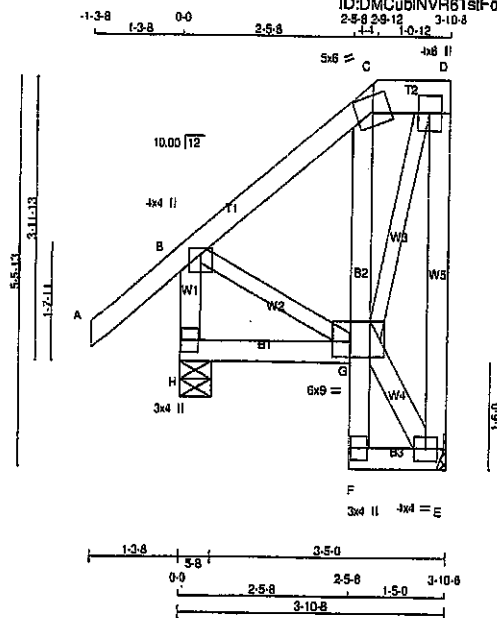
JSI GRIP = 0.78 (D) (INPUT = 0.90)
JSI METAL = 0.23 (D) (INPUT = 1.00)



Structural component only
DWG# T-2007643

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408223	T34S	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:DMCUBINVR6TsFoe31v6l_zns1l-WqvXc9ovQqMVoQZQkUtzXVSIE5FX?yozTaj6KzMEMT



Scale = 1/32"

TOTAL WEIGHT = 2 X 32 = 64 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - D	2x6	DRY	No.2	SPF	
E - D	2x4	DRY	No.2	SPF	
H - B	2x4	DRY	No.2	SPF	
H - G	2x4	DRY	No.2	SPF	
F - C	2x4	DRY	No.2	SPF	
F - E	2x4	DRY	No.2	SPF	
ALL WEBS	2x4	DRY	No.2	SPF	
EXCEPT					
B - G	2x3	DRY	No.2	SPF	
G - D	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	1.00	2.00
C	TTV-m	MT20	5.0	6.0		
D	TMVW+p	MT20	4.0	6.0		
E	BMVW1-i	MT20	4.0	4.0		
F	BMV+p	MT20	3.0	4.0		
G	BVMWVW-i	MT20	6.0	9.0	2.50	3.00
H	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	UPLIFT
E	214	0	214	0
H	341	0	341	0

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

UNFACTORED REACTIONS

1ST LCASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	151	99.0	0.0	0.0	0.0	62.0	0.0
H	239	170.0	0.0	0.0	0.0	69.0	0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 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	FACTORED		MEMB.	MAX. FACTORED		
	FORCE	VERT. LOAD LC1	MAX. MAX.		FORCE	MAX.	
	(LBS)	(PLF)	CS1 (LC)		(LBS)	CS1 (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 41	-91.8 -91.8	0.14 (5)	10.00	G-E	-6 0	0.00 (1)
B-C	-82 0	-91.8 -91.8	0.12 (1)	6.25	B-G	0 53	0.01 (1)
C-D	51 0	-91.8 -91.8	0.01 (1)	6.25	G-D	0 154	0.03 (1)
E-D	-197 0	0.0 0.0	0.10 (1)	7.81			
H-B	-317 0	0.0 0.0	0.03 (1)	7.81			
H-G	0 0	-18.5 -18.5	0.04 (4)	10.00			
F-G	0 13	0.0 0.0	0.01 (1)	10.00			
G-C	-138 0	0.0 0.0	0.01 (1)	7.81			
F-E	0 4	-18.5 -18.5	0.01 (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. 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, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

155 % 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=0.14/1.00 (A-B-5), BC=0.04/1.00 (G-H-4), WB=0.03/1.00 (D-G-1), SSI=0.09/1.00 (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)	
MAX	MIN	MAX	MIN
MT20	618	354	1667
	798	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

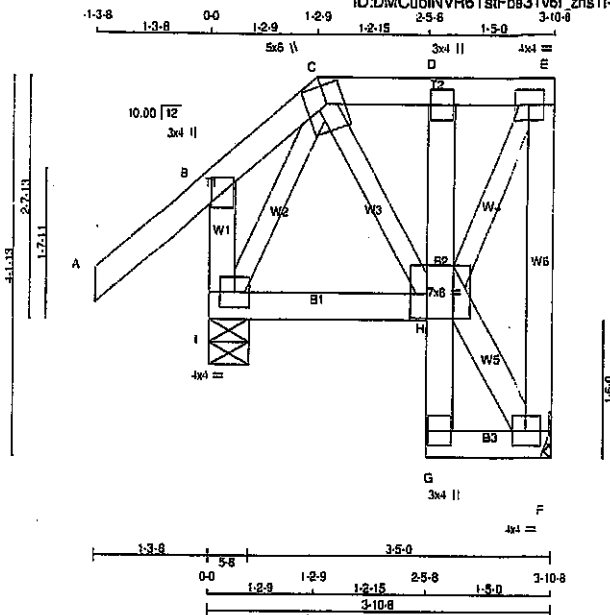
JSI GRIP= 0.24 (B) INPUT = 0.90
JSI METAL= 0.06 (B) INPUT = 1.00



Structural component only
DWG# T-2007644

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408223	T35S	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					

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TOTAL WEIGHT = 2 X 29 = 57 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TTWW+m	MT20	5.0	6.0	2.50	2.25
D	TMV+p	MT20	3.0	4.0		
E	TMVW-1	MT20	4.0	4.0		
F	BMVW-1	MT20	4.0	4.0		
G	BMV+p	MT20	3.0	4.0		
H	BMVWW-1	MT20	7.0	8.0	3.25	2.25
I	BMVW-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	GROSS REACTION	GROSS REACTION	BRG	BRG
F	191	0	191	0	0
I	383	0	383	0	0

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

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	135	88	-13	0	0	0	0
I	254	183	0	0	0	0	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 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: (5)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED CS (LC)
FR-TO		FROM TO	LENGTH FR-TO
A-B	0 41	-91.8 -91.8	0.14 (5) 10.00
B-C	-45 0	-91.8 -91.8	0.14 (5) 6.25
C-D	-69 0	-91.8 -91.8	0.02 (1) 6.25
D-E	-67 0	-91.8 -91.8	0.02 (1) 6.25
E-F	-175 0	0.0 0.0	0.05 (1) 7.81
F-G	-255 0	0.0 0.0	0.03 (1) 7.81
I-H	-13 45	-18.5 -18.5	0.04 (4) 6.25
G-H	0 13	0.0 0.0	0.01 (1) 10.00
H-D	-135 0	0.0 0.0	0.01 (1) 7.81
G-F	0 4	-18.5 -18.5	0.01 (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

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 086-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

155 % 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=0.14/1.00 (A-B-5), BC=0.04/1.00 (H-H-4),
WB=0.03/1.00 (E-H-1), SSI=0.09/1.00 (A-B-5)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

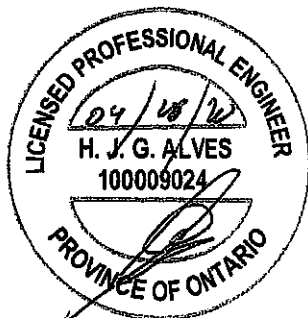
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX MIN	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.

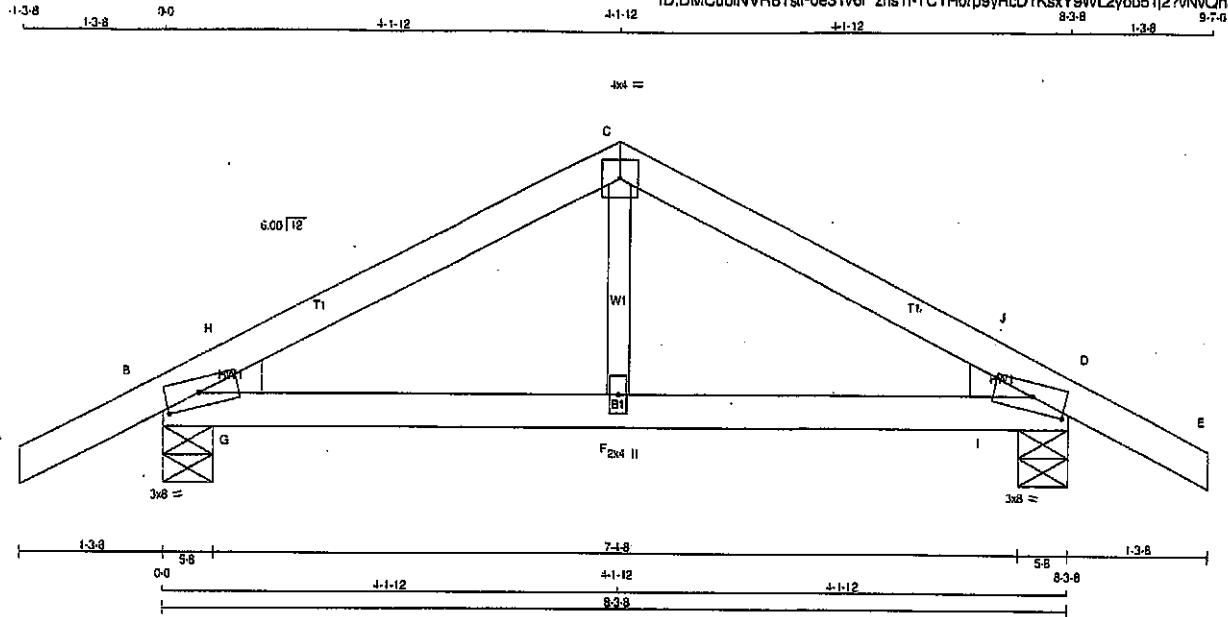
JSI GRIP = 0.18 (E) (INPUT = 0.90)
JSI METAL = 0.09 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007645

JOB NAME 408223	TRUSS NAME T36	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

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ID:DMCubINVR6TsFoe3iv6f zns11-TC1H0rp9yRcD1KsxY9WL2ybo51j2?VNVQn3q8DzMEMR



Scale = 1:18.9

TOTAL WEIGHT = 3 X 27 = 80 lb

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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	X
B	TMBH1-m	MT20	3.0	8.0	1.50 3.75
C	TTW-p	MT20	4.0	4.0	
D	TMBH1-m	MT20	3.0	8.0	1.50 3.75
F	BMW-w	MT20	2.0	4.0	

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	RECORD
JT	VERT	GROSS REACTION	GROSS REACTION	BRG	HEEL
B	582	0	582	0	5-8
D	582	0	582	0	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
B	409	282 0 0 0 0 0 127 0 0 0
D	409	282 0 0 0 0 0 127 0 0 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: 14)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO	FROM TO	FR-TO	FROM TO
A-B	0 23	F-C	0 170
B-H	-539 0	G-H	-158 3
H-C	-525 0	I-J	-158 3
C-J	-525 0		
J-D	-539 0		
D-E	0 23		
B-G	0 465		
G-F	0 465		
F-I	0 465		
I-D	0 465		

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
- TPC 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 (0.28")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.28")
CALCULATED VERT. DEFL.(TL) = L/999 (0.02")

CSI: TC=0.15 1.00 (C-J:1), BC=0.21 1.00 (F-I:1), WB=0.04 1.00 (C-F:1), SS=0.12 1.00 (C-J:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(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.

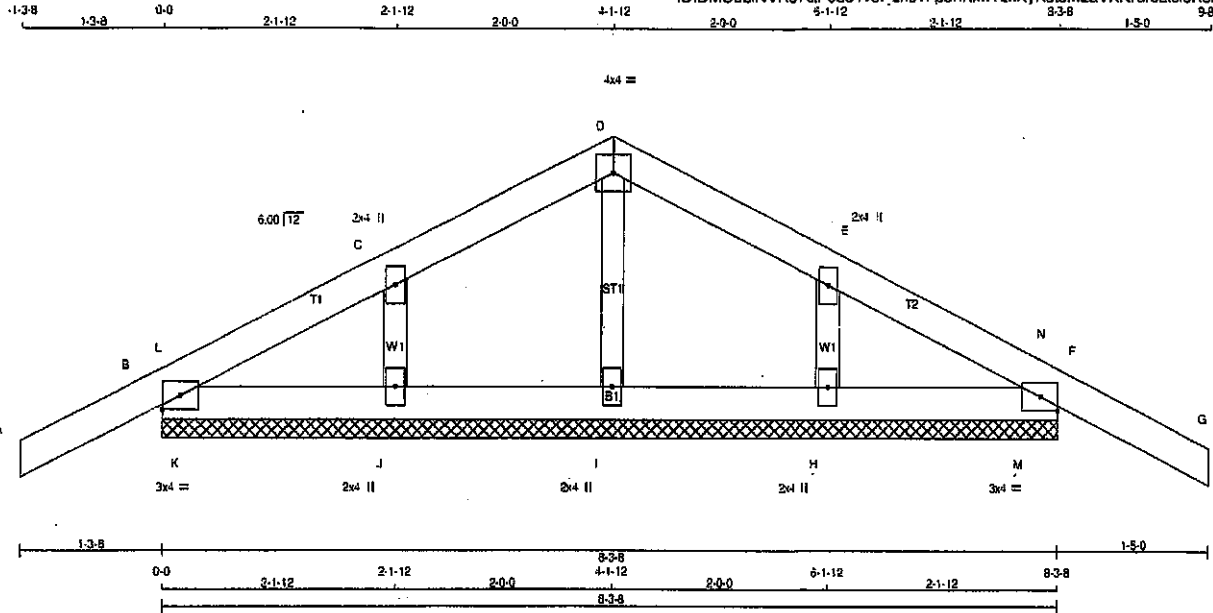
JSI GRIP = 0.25 (B) (INPUT = 0.90)
JSI METAL = 0.11 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007646

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408223	G36	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					

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ID:DMCubINVR6TstFoe31v6l_zns1l-pdnKxwTznXyK318MLaVXNrbLl5ioKemmYnfPzMEMu



TOTAL WEIGHT = 27 lb

LUMBER	CHORDS	SIZE	LUMBER	DESCR.
N.L.G.A. RULES	A - D	2x4	DRY	No.2
	D - G	2x4	DRY	No.2
	B - F	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	TMB1-I	MT20	3.0	4.0		Edge
	C	TMBW-w	MT20	2.0	4.0		
	D	TTW-p	MT20	4.0	4.0		
	E	TMBW-w	MT20	2.0	4.0		
	F	TMB1-I	MT20	3.0	4.0		Edge
	H, I, J	BNW1-w	MT20	2.0	4.0		

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

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

BEARINGS
THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.
THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PL)	CS (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS (LC)
FR-TO		FROM	TO		FR-TO		
A-B	0 23	-91.8	-91.8 0.12 (1)	10.00	F-D	-115 0	0.02 (1)
B-L	-61 0	-91.8	-91.8 0.01 (4)	6.25	J-C	-218 0	0.03 (1)
L-C	-39 0	-91.8	-91.8 0.08 (1)	6.25	H-E	-218 0	0.03 (1)
C-D	-45 0	-91.8	-91.8 0.08 (1)	6.25	K-L	-52 7	0.00 (1)
D-E	-45 0	-91.8	-91.8 0.08 (1)	6.25	M-N	-52 7	0.00 (1)
E-N	-39 0	-91.8	-91.8 0.06 (1)	6.25			
N-F	-61 0	-91.8	-91.8 0.01 (4)	6.25			
F-G	0 25	-91.8	-91.8 0.14 (1)	10.00			
B-K	0 44	-18.5	-18.5 0.03 (1)	10.00			
K-J	0 44	-18.5	-18.5 0.03 (1)	10.00			
J-I	0 32	-18.5	-18.5 0.02 (1)	10.00			
I-H	0 32	-18.5	-18.5 0.02 (1)	10.00			
H-M	0 44	-18.5	-18.5 0.03 (1)	10.00			
M-F	0 44	-18.5	-18.5 0.03 (1)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

CSI: TC=0.14/1.00 (F-G:1), BC=0.03/1.00 (H-M:1), WB=0.03/1.00 (E-H:1), GS=0.10/1.00 (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) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1656

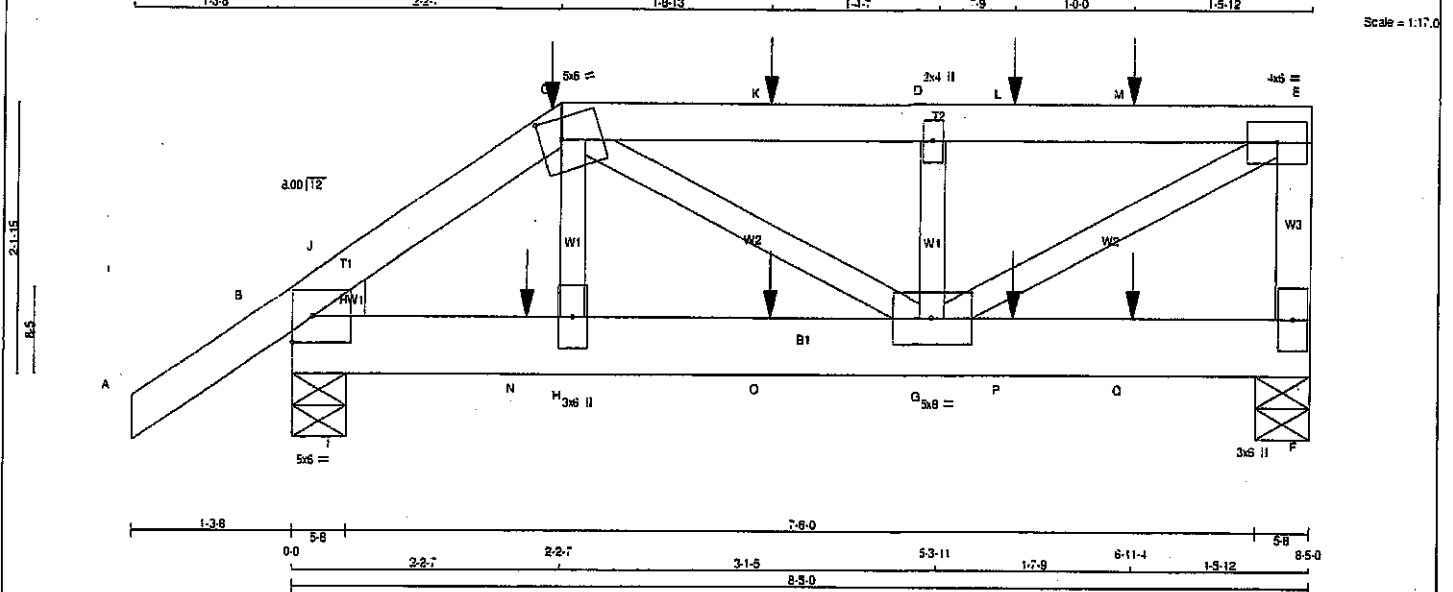
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.21 (B) (INPUT = 0.30)
JSI METAL= 0.09 (C) (INPUT = 1.00)



Structural component only
DWG# T-2007621



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

PLATES (table is in inches)				DESCR.			
JT	TYPE	PLATES	W	LEN	Y	X	
B	TM8H1-I	MT20	5.0	8.0		Edge	
C	TTWW-m	MT20	5.0	6.0	2.00	2.00	
D	TMWW-w	MT20	2.0	4.0			
E	TMWW-I	MT20	4.0	6.0			
F	BMV1-p	MT20	3.0	6.0			
G	BMWW-w	MT20	5.0	8.0			
H	BMWW-w	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	VERT	GROSS REACTION	HORIZ	DOWN	HORIZ	UPLIFT	IN-SX	IN-SX	HEEL
F	760	0	0	780	0	0	5-8	5-8	2x4 L
B	823	0	0	823	0	0	5-8	5-8	

UNFACTORED REACTIONS		1ST LCASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL		
F	537	352	0	0	0	0	185	0	0
B	580	392	0	0	0	0	188	0	0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.99 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 28	-91.8 -91.8 0.13 (1)	10.00	H-C	0 73	0.02 (4)	
B-J	-1088 0	-91.8 -91.8 0.08 (1)	5.99	C-G	0 252	0.06 (1)	
J-C	-860 0	-91.8 -91.8 0.08 (1)	6.25	G-D	-528 0	0.09 (1)	
C-K	-923 0	-91.8 -91.8 0.24 (1)	6.09	G-E	0 1082	0.26 (1)	
K-D	-923 0	-91.8 -91.8 0.24 (1)	6.09	I-J	0 207	0.00 (1)	
D-L	-924 0	-91.8 -91.8 0.24 (1)	6.09				
L-M	-924 0	-91.8 -91.8 0.24 (1)	6.09				
M-E	-924 0	-91.8 -91.8 0.24 (1)	6.09				
F-E	-882 0	0.0 0.0 0.08 (1)	7.81				
B-I	0 701	-18.5 -18.5 0.14 (1)	10.00				
I-N	0 701	-18.5 -18.5 0.14 (1)	10.00				
N-H	0 701	-18.5 -18.5 0.14 (1)	10.00				
H-O	0 705	-18.5 -18.5 0.15 (1)	10.00				
O-G	0 705	-18.5 -18.5 0.15 (1)	10.00				
G-P	0 0	-18.5 -18.5 0.07 (1)	10.00				
P-Q	0 0	-18.5 -18.5 0.07 (1)	10.00				
Q-F	0 0	-18.5 -18.5 0.07 (1)	10.00				

FACTORED CONCENTRATED LOADS (LBS)							
JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE
C	2-2.7	-88	-88	---	FRONT	VERT	TOTAL
K	3-11.4	-83	-83	---	FRONT	VERT	TOTAL
L	5-11.4	-83	-83	---	FRONT	VERT	TOTAL
M	8-11.4	-83	-83	---	FRONT	VERT	TOTAL
N	1-11.4	-48	-48	---	FRONT	VERT	TOTAL
O	3-11.4	-48	-48	---	FRONT	VERT	TOTAL
P	5-11.4	-48	-48	---	FRONT	VERT	TOTAL
Q	6-11.4	-48	-48	---	FRONT	VERT	TOTAL

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

DESIGN CRITERIA

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

SPACING = 24.0 IN. 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, 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

155 % 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 (0.28")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.28")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CSR: TC=0.24/1.00 (D-E:1), BC=0.15/1.00 (G-H:1), WB=0.26/1.00 (E-G:1), SS=0.25/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

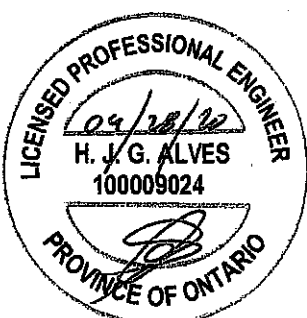
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES			
PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)	
MAX MIN	MAX MIN	MAX MIN	
MT20	818 354	1867 788	1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

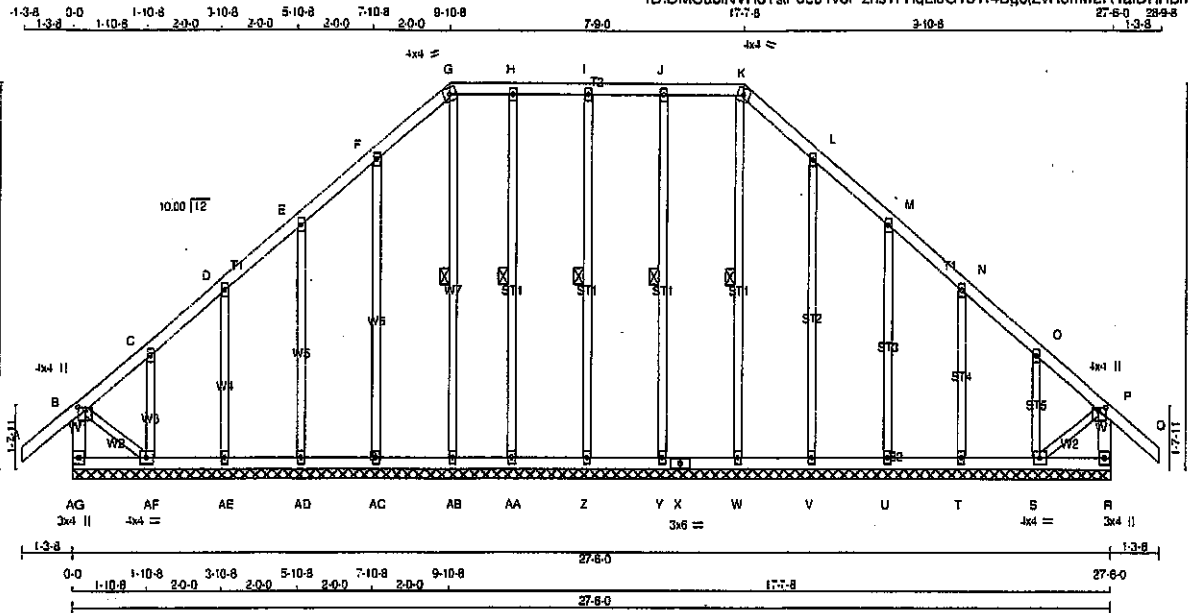
JSI GRIP= 0.61 (E) (INPUT = 0.90)
JSI METAL= 0.24 (E) (INPUT = 1.00)



Structural component only
DWG# T-2007647

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408223	G39	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					

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ID:DMCubINVR6TstFoe31v6l zns11-HqLi8GTbYr4Bq0iZvH0mw2R1aIDRRBmn_OHLBrZMEMt



TOTAL WEIGHT = 2 X 152 = 303 lb.

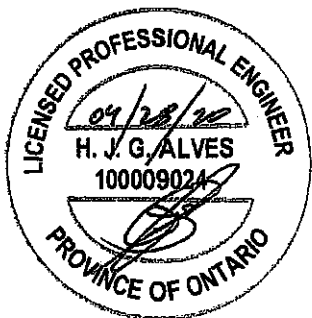
LUMBER				DESIGN CRITERIA			
N. L. G. A. RULES				SPECIFIED LOADS:			
CHORDS	SIZE	LUMBER	DESCR.	TOP CH.	LL	25.6	PSF
AG - B	2x4	DRY	No.2	DL	6.0	PSF	
A - G	2x4	DRY	No.2	BOT CH.	LL	0.0	PSF
G - K	2x4	DRY	No.2	DL	7.4	PSF	
K - Q	2x4	DRY	No.2	TOTAL LOAD		39.0	PSF
R - P	2x4	DRY	No.2				
AG - X	2x4	DRY	No.2				
X - R	2x4	DRY	No.2				

ALL WEBS	2x3	DRY	No.2				
ALL GABLE WEBS	2x3	DRY	No.2				
DRY: SEASONED LUMBER.							
GABLE STUDS SPACED AT 2-0-0 OC.							

PLATES (table in inches)				LOADING			
JT TYPE	PLATES	W	LEN Y X	TOTAL LOAD CASES: (4)			
B TMVW+p	MT20	4.0	4.0 1.00 2.00				
C, D, E, F, H, I, J, L, M, N, O							
G TMVW+w	MT20	2.0	4.0				
K TTW-m	MT20	4.0	4.0				
P TMVW-m	MT20	4.0	4.0				
R BMVW+p	MT20	4.0	4.0 1.00 2.00				
S BMVW+1	MT20	3.0	4.0				
T, U, V, W, Y, Z, AA, AB, AC, AD, AE							
T BMVW+1+w	MT20	2.0	4.0				
X BS-1	MT20	3.0	6.0				
AF BMVW+1	MT20	4.0	4.0				
AG BMV+1+p	MT20	3.0	4.0				

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			
AG-B	-292 0	0.0 0.0 0.03 (1)	7.81	W-K	-140 0	0.09 (1)	
A-B	0 41	-91.8 -91.8 0.13 (1)	10.00	Y-J	-210 0	0.14 (1)	
S-C	-60 0	-91.8 -91.8 0.12 (1)	6.25	Z-I	-181 0	0.12 (1)	
C-D	-23 0	-91.8 -91.8 0.05 (1)	6.25	AA-H	-182 0	0.12 (1)	
D-E	-28 0	-91.8 -91.8 0.05 (1)	6.25	V-L	-205 0	0.27 (1)	
E-F	-19 0	-91.8 -91.8 0.05 (1)	6.25	U-M	-175 0	0.13 (1)	
F-G	-29 0	-91.8 -91.8 0.05 (1)	6.25	T-N	-192 0	0.07 (1)	
G-H	-12 0	-91.8 -91.8 0.04 (1)	6.25	S-O	-126 0	0.02 (1)	
H-I	-12 0	-91.8 -91.8 0.04 (1)	6.25	AB-G	-121 0	0.08 (1)	
I-J	-12 0	-91.8 -91.8 0.05 (1)	6.25	AC-F	-202 0	0.27 (1)	
J-K	-12 0	-91.8 -91.8 0.05 (1)	6.25	AD-E	-176 0	0.13 (1)	
K-L	-30 0	-91.8 -91.8 0.05 (1)	6.25	AE-D	-192 0	0.07 (1)	
L-M	-19 0	-91.8 -91.8 0.05 (1)	6.25	AF-C	-126 0	0.02 (1)	
M-N	-26 0	-91.8 -91.8 0.05 (1)	6.25	BAF	0 32	0.01 (1)	
N-O	-24 0	-91.8 -91.8 0.05 (1)	6.25	S-P	0 32	0.01 (1)	
O-P	-80 0	-91.8 -91.8 0.12 (1)	6.25				
P-Q	0 41	-91.8 -91.8 0.13 (1)	10.00				
R-P	-293 0	0.0 0.0 0.03 (1)	7.81				

AG-AF	0 0	-18.5 -18.5 0.02 (4)	10.00				
AF-AE	0 23	-18.5 -18.5 0.02 (4)	10.00				
AE-AD	0 19	-18.5 -18.5 0.02 (4)	10.00				
AD-AC	0 16	-18.5 -18.5 0.02 (4)	10.00				
AC-AB	0 14	-18.5 -18.5 0.02 (4)	10.00				
AB-AA	0 12	-18.5 -18.5 0.01 (4)	10.00				
AA-Z	0 12	-18.5 -18.5 0.02 (4)	10.00				
Z-Y	0 12	-18.5 -18.5 0.02 (4)	10.00				
Y-X	0 12	-18.5 -18.5 0.02 (4)	10.00				
X-W	0 12	-18.5 -18.5 0.02 (4)	10.00				
W-V	0 14	-18.5 -18.5 0.02 (4)	10.00				
V-U	0 16	-18.5 -18.5 0.02 (4)	10.00				
U-T	0 19	-18.5 -18.5 0.02 (4)	10.00				
T-S	0 23	-18.5 -18.5 0.02 (4)	10.00				
S-R	0 0	-18.5 -18.5 0.02 (4)	10.00				



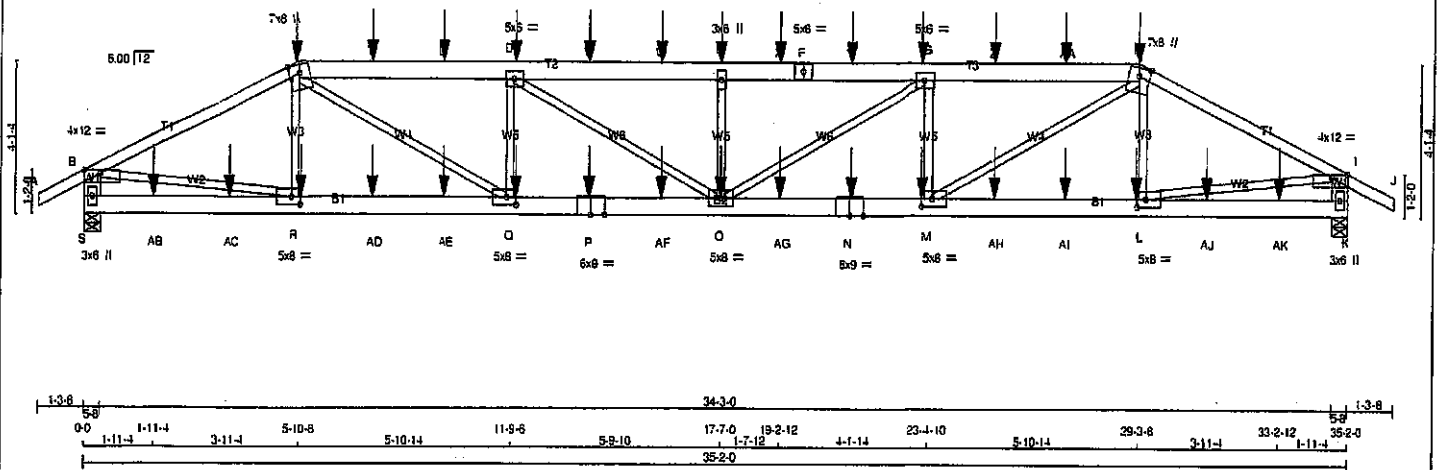
Structural component only
DWG# T-2007622

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408224	T40	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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1-3-8 0-0 5-10-3 5-10-3 5-10-14 11-9-5 5-9-10 17-7-0 18-2-12 4-1-14 23-4-10 5-10-14 29-3-8 5-10-8 1-3-8 35-2-0 35-5-8 1-3-8 1-3-8
Scale = 1:57.6



LUMBER TOTAL WEIGHT = 2 X 169 = 338 lb

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.	SPF
A - C	2x4	DRY	No.2	SPF	
C - F	2x6	DRY	No.2	SPF	
F - H	2x6	DRY	No.2	SPF	
H - J	2x4	DRY	No.2	SPF	
S - B	2x6	DRY	No.2	SPF	
K - I	2x6	DRY	No.2	SPF	
S - P	2x6	DRY	1650F 1.5E	SPF	
P - N	2x6	DRY	1650F 1.5E	SPF	
N - K	2x6	DRY	1650F 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	12	SIDE(61.0)
H-J	12	SIDE(61.0)
C-F	12	SIDE(183.1)
F-H	12	SIDE(183.1)
S-B	12	TOP
K-I	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
S-P	12	SIDE(183.1)
P-N	12	SIDE(183.1)
N-K	12	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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	VERY	HORZ	DOWN	HORZ
S	3323	0	0	5-8
K	3323	0	0	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN.	COMPONENT REACTIONS
JT	COMBINED	SNOW
S	2350	1539 0
K	2350	1539 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 = 3.87 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	VERT. LOAD	LC1	MAX	WEBS	MAX. FACTORED
MEMB.	FORCE	VERT.	FROM	TO	CSF (LC)	MEMB.	FORCE
	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)		(LBS)
FR-TO						FR-TO	
A-B	0 28	-91.8	-91.8	0.07 (1)	10.00	R-C	-413 20
B-C	-5065 0	-91.8	-91.8	0.52 (1)	3.87	C-Q	0 3193
C-T	-7264 0	-91.8	-91.8	0.27 (1)	4.26	Q-D	-1600 0
T-U	-7264 0	-91.8	-91.8	0.27 (1)	4.26	D-O	0 946
U-D	-7264 0	-91.8	-91.8	0.27 (1)	4.26	O-E	-830 0
D-V	-8064 0	-91.8	-91.8	0.27 (1)	4.08	O-G	0 946
V-W	-8064 0	-91.8	-91.8	0.27 (1)	4.08	M-G	-1500 0
W-E	-8064 0	-91.8	-91.8	0.27 (1)	4.08	M-H	0 3193
E-X	-8064 0	-91.8	-91.8	0.27 (1)	4.08	L-H	-413 20
X-F	-8064 0	-91.8	-91.8	0.27 (1)	4.08	B-R	0 4582
F-Y	-8064 0	-91.8	-91.8	0.27 (1)	4.08	L-I	0 4582
Y-G	-8064 0	-91.8	-91.8	0.27 (1)	4.08		
G-Z	-7264 0	-91.8	-91.8	0.27 (1)	4.26		
Z-AA	-7264 0	-91.8	-91.8	0.27 (1)	4.26		
AA-H	-7264 0	-91.8	-91.8	0.27 (1)	4.26		
H-I	-5065 0	-91.8	-91.8	0.52 (1)	3.87		
I-J	0 28	-91.8	-91.8	0.07 (1)	10.00		
S-B	-3248 0	0.0	0.0	0.11 (1)	7.69		
K-I	-3248 0	0.0	0.0	0.11 (1)	7.69		

S-AB	0 0	-18.5	-18.5	0.04 (4)	10.00
AB-AC	0 0	-18.5	-18.5	0.04 (4)	10.00
AC-R	0 0	-18.5	-18.5	0.04 (4)	10.00
R-AD	0 4553	-18.5	-18.5	0.22 (1)	10.00
AD-AE	0 4553	-18.5	-18.5	0.22 (1)	10.00
AE-Q	0 4553	-18.5	-18.5	0.22 (1)	10.00
Q-P	0 7263	-18.5	-18.5	0.34 (1)	10.00
P-AF	0 7263	-18.5	-18.5	0.34 (1)	10.00
AF-O	0 7263	-18.5	-18.5	0.34 (1)	10.00
O-AG	0 7263	-18.5	-18.5	0.34 (1)	10.00
AG-N	0 7263	-18.5	-18.5	0.34 (1)	10.00
N-M	0 7263	-18.5	-18.5	0.34 (1)	10.00
M-AH	0 4553	-18.5	-18.5	0.22 (1)	10.00
AH-AI	0 4553	-18.5	-18.5	0.22 (1)	10.00
AI-AJ	0 4553	-18.5	-18.5	0.22 (1)	10.00
AJ-L	0 0	-18.5	-18.5	0.04 (4)	10.00
L-AK	0 0	-18.5	-18.5	0.04 (4)	10.00
AK-K	0 0	-18.5	-18.5	0.04 (4)	10.00

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC	LC1	MAX	FACE	DIR.	TYPE	HEEL	CONN.
C	5-10-8	-429	-429	---	FRONT	VERT	TOTAL	---
D	11-11-4	-110	-110	---	FRONT	VERT	TOTAL	---

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.8 PSF

DL = 6.9 PSF

BOT CH. LL = 0.9 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 NBCC 2018, CBC 2012, ABC 2019

- PART 9 OF CBC 2012 (2019 AMENDMENT)

- CSA 086-09, 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/360 (11.17')

CALCULATED VERT. DEFL.(LL) = L/999 (0.21')

ALLOWABLE DEFL.(TL) = L/360 (11.17')

CALCULATED VERT. DEFL.(TL) = L/999 (0.39')

CSI: TC=0.52(1.00(B-C)), BC=0.34(1.00(C-Q)),

WB=0.57(1.00(B-R)), SS=0.15(1.00(G-H))

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) (PLI)

MAX MIN MAX MIN MAX MIN

MT20 B18 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.55 (R) (INPUT = 0.90)

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



Structural component only
DWG# T-2007660 1/2

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	T40	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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ID:DMCubINVR6TstFoe31v6l zns1I-TsGG5wA9pyw Bd8P2tsXcz APYAIVTa7LN10dizME7m

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWV-p	MT20	4.0	12.0	1.00	5.50
C	TTWW-m	MT20	7.0	8.0	Edge	
D	TMWV-t	MT20	5.0	6.0		
E	TMW-w	MT20	3.0	6.0		
F	TS-t	MT20	5.0	6.0		
G	TMWV-t	MT20	5.0	6.0		
H	TTWW-m	MT20	7.0	8.0	Edge	
I	TMWV-p	MT20	4.0	12.0	1.00	5.50
K	BMV1-p	MT20	3.0	6.0		
L	BMWV-t	MT20	5.0	8.0	2.50	3.00
M	BMWV-t	MT20	6.0	8.0	2.50	3.25
N	BS-t	MT20	6.0	9.0		
O	BMWV-t	MT20	5.0	8.0	2.50	3.25
P	BS-t	MT20	6.0	9.0		
Q	BMWV-t	MT20	5.0	8.0	2.50	3.25
R	BMWV-t	MT20	5.0	8.0	2.50	3.00
S	BMV1-p	MT20	3.0	6.0		

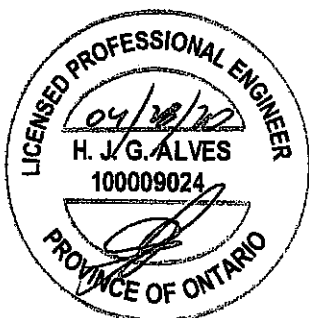
Edge - INDICATES REFERENCE CORNER OF PLATE
TOUCHES EDGE OF CHORD.

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
E	17-7-0	-110	-110	---	FRONT	VERT	TOTAL	---	C1
G	23-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
H	29-3-8	-429	-429	---	FRONT	VERT	TOTAL	---	C1
L	29-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
M	23-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
N	21-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
O	17-7-0	-26	-26	---	FRONT	VERT	TOTAL	---	C1
P	13-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
Q	11-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
R	5-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
T	7-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
U	9-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
V	13-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
W	15-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
X	19-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Y	21-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Z	25-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AA	27-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AB	1-11-4	-25	-26	---	FRONT	VERT	TOTAL	---	C1
AC	3-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AD	7-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AE	9-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AF	15-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AG	19-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AH	25-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AI	27-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AJ	31-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AK	33-2-12	-25	-26	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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



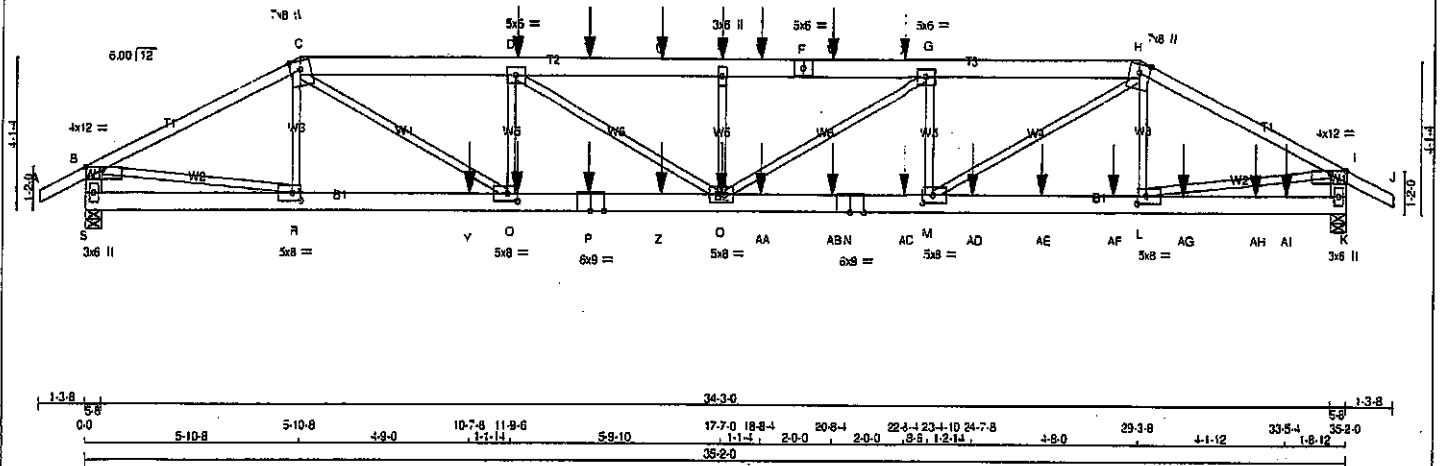
Structural component only
DWG# T-2007660

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408224	T40Z	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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1-3-8 5-10-8 5-10-8 4-9-0 10-7-8 11-9-8 5-9-10 17-7-0 18-8-4 1-1-4 2-0-0 20-8-4 2-0-0 22-4-1 23-4-10 24-7-8 4-8-0 29-3-8 4-1-12 33-5-4 1-8-12 35-2-0
Scale = 1:57.6



LUMBER N. L. G. A. RULES CHORDS SIZE LUMBER DESCR. A - C 2x4 DRY No.2 SPF C - F 2x6 DRY No.2 SPF F - H 2x6 DRY No.2 SPF H - J 2x4 DRY No.2 SPF S - B 2x6 DRY No.2 SPF K - I 2x6 DRY No.2 SPF P - N 2x6 DRY 1650F 1.5E SPF N - K 2x6 DRY 1650F 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 1 12 TOP H-J 1 12 TOP C-F 2 12 SIDE(183.1) F-H 2 12 SIDE(0.0) 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 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.				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 4161 0 4161 0 0 5-8 5-8 K 5042 0 5042 0 0 5-8 5-8 UNFACTORED REACTIONS 1ST LCASE MAX. MIN. COMPONENT REACTIONS JT COMBINED SNOW LIVE PERM. LIVE WIND DEAD SOIL S 2838 1965 0 0 0 0 0 970 0 0 0 K 3552 2409 0 0 0 0 0 1143 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 = 2.95 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 MEMB. FORCE VERT. LOAD LC1 MAX. MAX. MEMB. FORCE MAX. (LBS) (PLF) CSI (LC) UNBRAC LENGTH FR-TO (LBS) CSI (LC) FR-TO FROM TO A-B 0 28 -91.8 -91.8 0.07 (1) 10.00 R-C -470 0 0.06 (1) B-C -8650 0 -91.8 -91.8 0.66 (1) 3.34 C-Q 0 5608 0.69 (1) C-D -10735 0 -91.8 -91.8 0.33 (1) 3.55 Q-D -1678 0 0.20 (1) D-T -12119 0 -91.8 -91.8 0.40 (1) 3.30 D-O 0 1636 0.20 (1) T-U -12119 0 -91.8 -91.8 0.40 (1) 3.30 Q-E -1004 0 0.12 (1) U-E -12119 0 -91.8 -91.8 0.40 (1) 3.30 O-G -46 39 0.02 (1) E-V -12119 0 -91.8 -91.8 0.45 (1) 3.23 M-G -826 0 0.10 (1) V-F -12119 0 -91.8 -91.8 0.45 (1) 3.23 M-H 0 5832 0.72 (1) F-W -12119 0 -91.8 -91.8 0.45 (1) 3.23 L-H 0 57 0.01 (4) W-X -12119 0 -91.8 -91.8 0.45 (1) 3.23 B-R 0 8014 0.74 (1) X-G -12119 0 -91.8 -91.8 0.45 (1) 3.23 L-I 0 7274 0.90 (1) G-H -12159 0 -91.8 -91.8 0.39 (1) 3.30 H-I -8042 0 -91.8 -91.8 0.81 (1) 2.95 I-J 0 28 -91.8 -91.8 0.07 (1) 10.00 S-B -4141 0 0.0 0.0 0.15 (1) 7.00 K-I -4926 0 0.0 0.0 0.17 (1) 6.55 S-R 0 0 -18.5 -18.5 0.05 (1) 10.00 R-Y 0 5974 -18.5 -18.5 0.44 (1) 10.00 Y-Q 0 5974 -18.5 -18.5 0.44 (1) 10.00 Q-P 0 10734 -18.5 -18.5 0.54 (1) 10.00 P-Z 0 10734 -18.5 -18.5 0.54 (1) 10.00 Z-O 0 10734 -18.5 -18.5 0.54 (1) 10.00 O-AA 0 12159 -18.5 -18.5 0.71 (1) 10.00 AA-AB 0 12159 -18.5 -18.5 0.71 (1) 10.00 AB-N 0 12159 -18.5 -18.5 0.71 (1) 10.00 N-AC 0 12159 -18.5 -18.5 0.71 (1) 10.00 AC-M 0 12159 -18.5 -18.5 0.71 (1) 10.00 M-AD 0 7208 -18.5 -18.5 0.69 (1) 10.00 AD-AE 0 7208 -18.5 -18.5 0.69 (1) 10.00 AE-AF 0 7208 -18.5 -18.5 0.69 (1) 10.00 AF-L 0 7208 -18.5 -18.5 0.69 (1) 10.00 L-AG 0 0 -18.5 -18.5 0.16 (1) 10.00 AG-AH 0 0 -18.5 -18.5 0.16 (1) 10.00 AH-AI 0 0 -18.5 -18.5 0.16 (1) 10.00 AI-K 0 0 -18.5 -18.5 0.16 (1) 10.00 FACTORED CONCENTRATED LOADS (LBS) JT LOC. LC1 MAX. MAX+ FACE DIR. TYPE HEEL CONN. D 11-11-4 -110 -110 --- BACK VERT TOTAL --- C1 E 17-7-0 -110 -110 --- BACK VERT TOTAL --- C1 O 17-7-0 -26 -26 --- BACK VERT TOTAL --- C1 P 13-11-4 -26 -26 --- BACK VERT TOTAL --- C1				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, NBCG 2015 THIS DESIGN COMPLIES WITH: - PART 9 OF CBC 2016, 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 (0.32") ALLOWABLE DEFL.(TL) = L/360 (1.17") CALCULATED VERT. DEFL.(TL) = L/718 (0.59") CSI: TC=0.81:1.00 (H-L:1), BC=0.71:1.00 (M-O:1), WB=0.90:1.00 (L-L:1), SS=0.64:1.00 (L-M: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 1857 788 1987 1856 PLATE PLACEMENT TOL = 0.250 inches PLATE ROTATION TOL = 5.0 Deg. JSI/GRIP=0.89 (RI) (INPUT = 0.90) JSI/METAL=0.93 (PI) (INPUT = 1.00)			
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Structural component only
DWG# T-2007661

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408224	T40Z	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWV-p	MT20	4.0	12.0	1.00	5.50
C	TTWW+m	MT20	7.0	8.0	Edge	
D	TMWW-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	TTWW+m	MT20	7.0	8.0	Edge	
I	TMWV-p	MT20	4.0	12.0	1.00	5.50
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-i	MT20	5.0	8.0	2.50	3.00
M	BMWW-i	MT20	5.0	8.0	2.50	3.25
N	BS-i	MT20	6.0	9.0		
O	BMWWW-i	MT20	5.0	8.0		
P	BS-i	MT20	6.0	9.0		
Q	BMWW-i	MT20	5.0	8.0	2.50	3.25
R	BMWW-i	MT20	5.0	8.0	2.50	3.00
S	BMV1+p	MT20	3.0	6.0		

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

FACTORED CONCENTRATED LOADS (LBS)

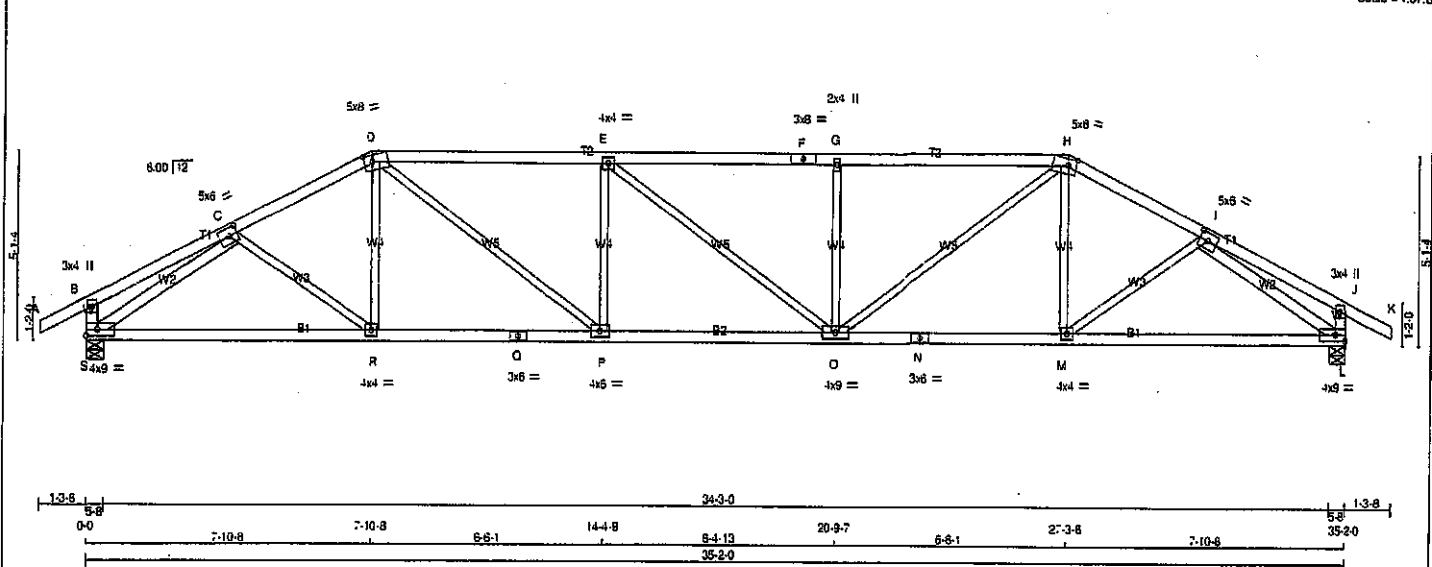
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
Q	11-11-4	-28	-26	---	BACK	VERT	TOTAL	---	C1
T	13-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
U	15-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
V	16-8-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
W	20-8-4	-159	-159	---	BACK	VERT	TOTAL	---	C1
X	22-8-4	-159	-159	---	BACK	VERT	TOTAL	---	C1
Y	10-7-8	-1171	-1171	---	BACK	VERT	TOTAL	---	C1
Z	15-11-4	-28	-28	---	BACK	VERT	TOTAL	---	C1
AA	18-8-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
AB	20-8-4	-32	-32	---	BACK	VERT	TOTAL	---	C1
AC	22-8-4	-32	-32	---	BACK	VERT	TOTAL	---	C1
AD	24-7-8	-2237	-2237	---	BACK	VERT	TOTAL	---	C1
AE	28-6-12	-121	-121	---	BACK	VERT	TOTAL	---	C1
AF	28-6-12	-121	-121	---	BACK	VERT	TOTAL	---	C1
AG	30-6-12	-121	-121	---	BACK	VERT	TOTAL	---	C1
AH	32-6-12	-121	-121	---	BACK	VERT	TOTAL	---	C1
AI	33-6-4	-121	-121	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

11 C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.



Structural component only
DWG# T-2007661 *72*



LUMBER

N. L. G. A. RULES

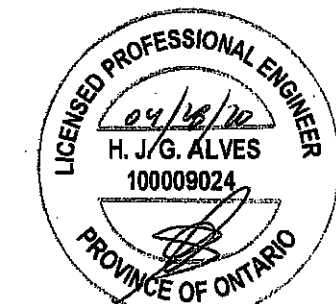
CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY No.2	SPF
D - F	2x4	DRY No.2	SPF
F - H	2x4	DRY No.2	SPF
H - K	2x4	DRY No.2	SPF
S - B	2x4	DRY No.2	SPF
L - J	2x4	DRY No.2	SPF
S - Q	2x4	DRY No.2	SPF
O - N	2x4	DRY No.2	SPF
N - L	2x4	DRY No.2	SPF
ALL WEBS EXCEPT	2x3	DRY No.2	SPF
S - C	2x4	DRY No.2	SPF
I - L	2x4	DRY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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV-vp	MT20	3.0	4.0		
C	TMVW-1	MT20	5.0	6.0	2.50	2.75
D	TTWW-m	MT20	5.0	8.0	2.25	2.75
E	TMVW-1	MT20	4.0	4.0		
F	TS-1	MT20	3.0	8.0		
G	TMV-w	MT20	2.0	4.0		
H	TTWW-m	MT20	5.0	8.0	2.25	2.75
I	TMVW-1	MT20	5.0	6.0	2.50	2.75
J	TMV-vp	MT20	3.0	4.0		
L	BMVW-1	MT20	4.0	9.0		Edge
M	BMVW-1	MT20	4.0	4.0		
N	BS-1	MT20	3.0	6.0		
O	BMVW-1	MT20	4.0	9.0		
P	BS-1	MT20	3.0	6.0		
Q	BMVW-1	MT20	4.0	4.0		
R	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.



Structural component only
 DWG# T-2007662

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	IN-SX	IN-SX
S	2063	0	0	5-8
L	2063	0	0	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED SNOW LIVE PERM. LIVE WIND DEAD SOIL
S	1457 969 0 0 0 0 0 0 0 0 0 0
L	1457 969 0 0 0 0 0 0 0 0 0 0

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

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. MAX. (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. MAX. (LC)	
FR-TO		FROM TO	CS1 (LC)	FR-TO		CS1 (LC)	
A-B	0 28	-91.8 -91.8	0.12 (1)	C-R	0 93	0.03 (4)	
B-C	0 16	-91.8 -91.8	0.20 (1)	R-D	0 121	0.04 (4)	
C-D	-2799 0	-91.8 -91.8	0.32 (1)	D-P	0 1267	0.29 (1)	
D-E	-3509 0	-91.8 -91.8	0.55 (1)	P-E	-643 0	0.25 (1)	
E-F	-3507 0	-91.8 -91.8	0.53 (1)	E-Q	-2 0	0.00 (1)	
F-G	-3507 0	-91.8 -91.8	0.53 (1)	Q-G	-643 0	0.25 (1)	
G-H	-3507 0	-91.8 -91.8	0.54 (1)	H-Q	0 1266	0.28 (1)	
H-I	-2799 0	-91.8 -91.8	0.32 (1)	Q-H	0 121	0.04 (4)	
I-J	0 16	-91.8 -91.8	0.20 (1)	M-I	0 33	0.03 (4)	
J-K	0 28	-91.8 -91.8	0.12 (1)	S-C	-2974 0	0.83 (1)	
S-B	-270 0	0.0 0.0	0.03 (1)	I-L	-2974 0	0.83 (1)	
L-J	-270 0	0.0 0.0	0.03 (1)				
S-R	0 2417	-18.5 -18.5	0.53 (1)				
R-O	0 2489	-18.5 -18.5	0.54 (1)				
Q-P	0 2489	-18.5 -18.5	0.54 (1)				
P-O	0 3509	-18.5 -18.5	0.64 (1)				
O-N	0 2489	-18.5 -18.5	0.54 (1)				
N-M	0 2489	-18.5 -18.5	0.54 (1)				
M-L	0 2417	-18.5 -18.5	0.53 (1)				

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

155 % 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/998 (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 (C-P:1), WB=0.83/1.00 (I-L:1), SS=0.28/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE	GRIP/DRY	SHEAR (PSI)	SECTION (PLI)	MAX MIN	MAX MIN
MT20	618	354	1667	768	1967 1656

PLATE PLACEMENT TOL = 0.250 inches

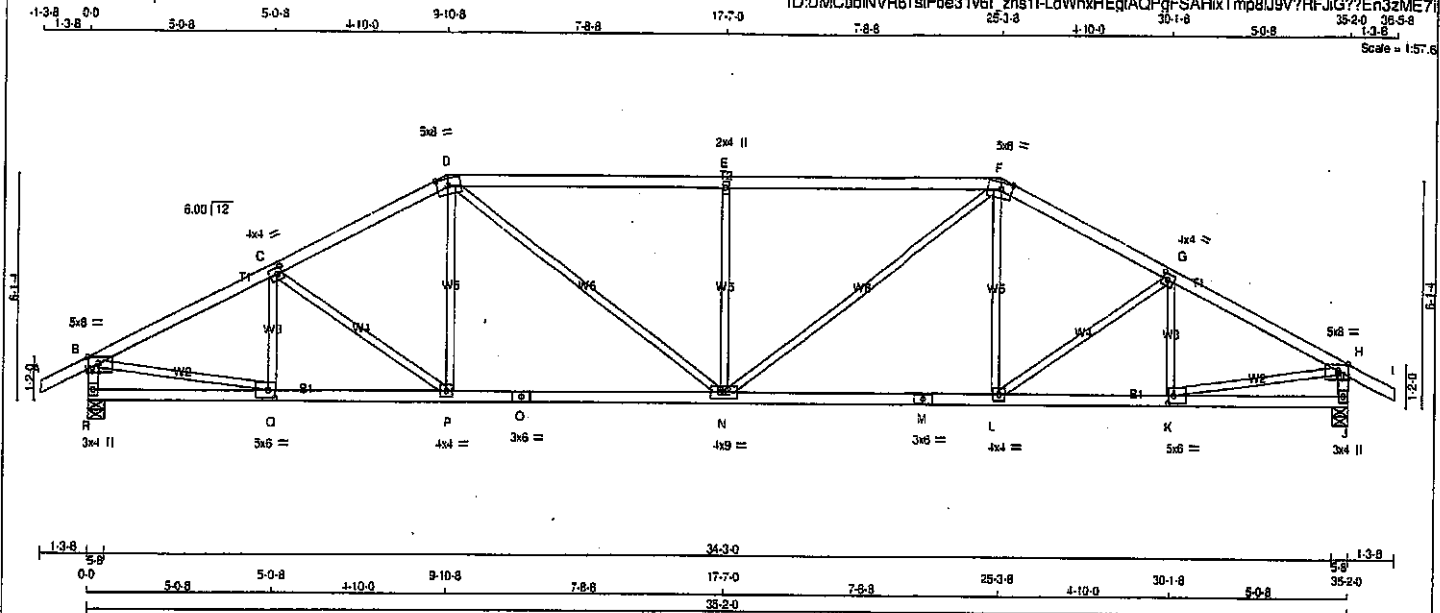
PLATE ROTATION TOL = 5.0 Deg.

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

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408224	T42	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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

DRY, SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	Edge 3.50	
C	TMVW-t	MT20	4.0	4.0	2.00 1.75	
D	TTWW-m	MT20	5.0	8.0	2.25 3.75	
E	TMVW-w	MT20	2.0	4.0		
F	TTWW-m	MT20	5.0	8.0	2.25 3.75	
G	TMVW-t	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-t	MT20	5.0	8.0	2.50 2.00	
L	BMVW-t	MT20	4.0	4.0		
M	BS-I	MT20	3.0	8.0		
N	BMVW-w	MT20	4.0	9.0		
O	BS-I	MT20	3.0	8.0		
P	BMVW-t	MT20	4.0	4.0		
Q	BMVW-t	MT20	5.0	8.0	2.50 2.00	
R	BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	HORZ	DOWN	HORZ
R	2063	0	2063	0
J	2063	0	2063	0

UNFACTORED REACTIONS

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

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED HORIZ. LOAD (LC1)	MAX. FACTORED LENGTH (LC)	UNBRACED LENGTH (FR-TO)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORIZ. LOAD (LC)
FR-TO							FR-TO			
A-B	0	28	-91.8	-91.8	0.12 (1)	10.00	O-C	-353	0	0.08 (1)
B-C	-2834	0	-91.8	-91.8	0.39 (1)	3.81	C-P	-210	0	0.13 (1)
C-D	-2687	0	-91.8	-91.8	0.37 (1)	3.91	P-D	0	246	0.06 (4)
D-E	-3060	0	-91.8	-91.8	0.97 (1)	2.78	D-N	0	844	0.19 (1)
E-F	-3060	0	-91.8	-91.8	0.97 (1)	2.78	N-E	-872	0	0.51 (1)
F-G	-2687	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	0.06 (4)
H-I	0	28	-91.8	-91.8	0.12 (1)	10.00	L-G	-210	0	0.13 (1)
I-J	-2018	0	0.0	0.0	0.20 (1)	5.94	K-G	-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)
R-Q	0	0	-18.5	-18.5	0.10 (4)	10.00	K-H	0	2591	0.58 (1)
Q-P	0	2555	-18.5	-18.5	0.51 (1)	10.00				
P-O	0	2386	-18.5	-18.5	0.49 (1)	10.00				
O-N	0	2386	-18.5	-18.5	0.49 (1)	10.00				
N-M	0	2386	-18.5	-18.5	0.49 (1)	10.00				
M-L	0	2386	-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				

TOTAL WEIGHT = 2 X 139 = 277 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 CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 089-14
- TPIC 2011, TPIC 2014

155 % 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 (0.17")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/989 (0.34")

CSI: TC=0.97 (1.00) (D-E:1), EC=0.51 (1.00) (P-Q:1), WB=0.58 (1.00) (B-Q:1), SS=0.34 (1.00) (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

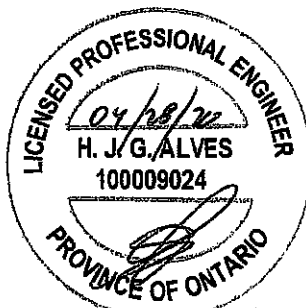
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1655

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

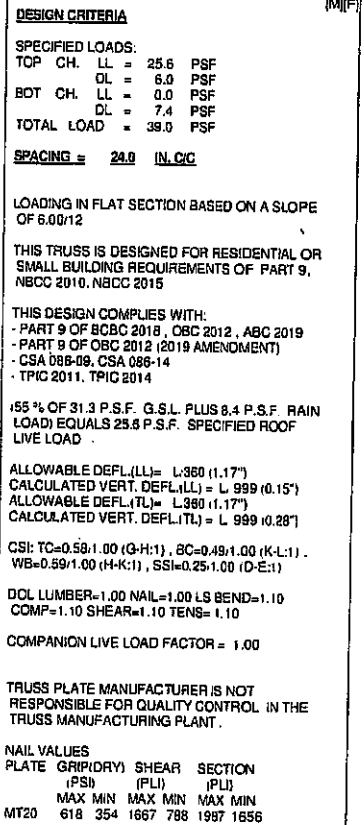
JSI GRIP= 0.87 (FI) (INPUT = 0.90)

JSI METAL= 0.75 (MI) (INPUT = 1.00)

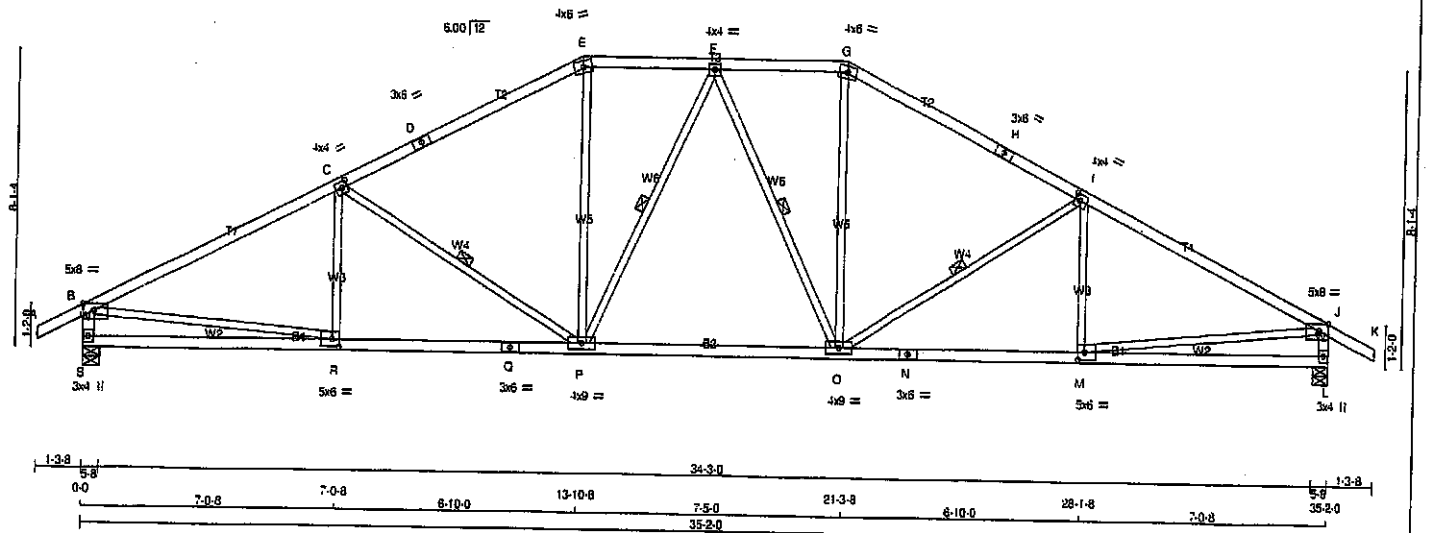


Structural component only
DWG# T-2007663

Version 8.310 S Oct 29 2019 Mittek Industries, Inc. Tue Apr 28 10:20:02 2020 Page 1
ID:DMCubINVR6t1Foe31v6L_zns11-qp498dEleJYGHOf1NOSJth7BZVAIQsvIkMjVZME7h
23-3-a 5-10-a 29-1-a 6-9-a 35-2-a 36-8-a
5-8-a 1-3-a
Scale = 1.57:6



JOB NAME 408224	TRUSS NAME T44	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.310 S Oct 29 2019 MITEX Industries, Inc. Tue Apr 28 10:20:03 2020 Page 1	
ID:DMCubINVR6TstFoe31v6t zns1110dXmZfwOog7vYcZP7zxsEE72zACv9c7kUJkrx2ME7Q				35-2-0 36-5-8 1-3-8	
Scale = 1:58.3					



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

DRY: SEASONED LUMBER.

PLATES (table is 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	BMV-t	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	BMV-t	MT20	3.0	4.0		

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

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER										
BEARINGS										
FACTORED					MAXIMUM FACTORED		INPUT		RECORD	
JT	GROSS REACTION	VERT	HORZ	DOWN	UP	BRG	BRG	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										
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL			
S	1457	889.0	0.0	0.0	0.0	488.0	0.0			
L	1457	889.0	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 = 3.25 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 LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 28	-91.8 -91.8 0.12 (1)	10.00	R-C	-182 52	0.06 (1)	
B-C	-2906 0	-91.8 -91.8 0.83 (1)	3.25	C-P	-637 0	0.29 (1)	
C-D	-2373 0	-91.8 -91.8 0.72 (1)	3.66	P-E	0 674	0.15 (1)	
D-E	-2373 0	-91.8 -91.8 0.72 (1)	3.66	F-F	-222 0	0.11 (1)	
E-F	-2100 0	-91.8 -91.8 0.19 (1)	4.53	F-O	-222 0	0.11 (1)	
F-G	-2100 0	-91.8 -91.8 0.19 (1)	4.53	O-G	0 674	0.15 (1)	
G-H	-2373 0	-91.8 -91.8 0.72 (1)	3.66	Q-I	-637 0	0.29 (1)	
H-I	-2373 0	-91.8 -91.8 0.72 (1)	3.66	M-I	-182 52	0.06 (1)	
I-J	-2906 0	-91.8 -91.8 0.83 (1)	3.25	B-R	0 2649	0.60 (1)	
J-K	0 28	-91.8 -91.8 0.12 (1)	10.00	M-J	0 2649	0.60 (1)	
S-B	-2008 0	0.0 0.0 0.20 (1)	5.56				
L-J	-2008 0	0.0 0.0 0.20 (1)	5.56				
S-R	0 0	-18.5 -18.5 0.20 (4)	10.00				
R-Q	0 2630	-18.5 -18.5 0.52 (1)	10.00				
Q-P	0 2630	-18.5 -18.5 0.52 (1)	10.00				
P-O	0 2193	-18.5 -18.5 0.45 (1)	10.00				
O-N	0 2630	-18.5 -18.5 0.52 (1)	10.00				
N-M	0 2630	-18.5 -18.5 0.52 (1)	10.00				
M-L	0 0	-18.5 -18.5 0.20 (4)	10.00				

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, NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

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

155 % 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 (0.14")

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

CALCULATED VERT. DEFL. (TL) = L/999 (0.30")

CSI: TC=0.83/1.00 (I-J:1), BC=0.52/1.00 (M-O:1), WB=0.60/1.00 (N-M:1), SS=0.28/1.00 (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	(P) (P) (P)	(P) (P) (P)
MAX MIN MAX MIN MAX MIN		
MT20	618 354 1667 788 1987 1855	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

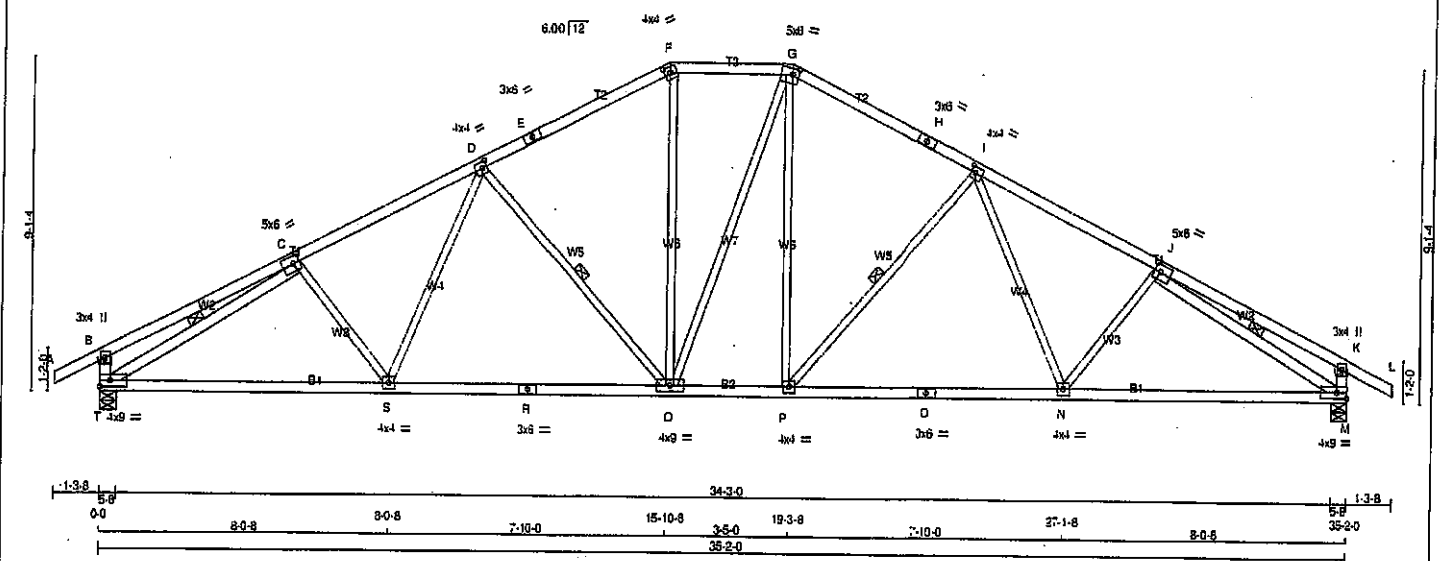
JSI METAL = 0.79 (Q) (INPUT = 1.00)



Structural component only
DWG# T-2007665

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	T45	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					

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 ID:DMCubINVR6TsiFos31v6L zns11-mCBvZJGY95o XiBlzUBOSmOWNWqacd9yyDuNOzME71
 19-3-8 21-6-3 29-8-13 35-2-0 35-5-8 1-3-8
 Scale = 1:50.3



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

DRY: SEASONED LUMBER.

PLATES (Table is in inches)				
JT TYPE	PLATES	W	LEN	Y X
B TMV+p	MT20	3.0	4.0	
C TMWW-1	MT20	5.0	6.0	2.50 2.25
D TMWW-1	MT20	4.0	4.0	2.00 1.50
E TS-1	MT20	3.0	6.0	
F TTW-h	MT20	4.0	4.0	2.00 1.75
G TTWW-m	MT20	5.0	6.0	2.00 2.00
H TS-1	MT20	3.0	6.0	
I TMWW-1	MT20	4.0	4.0	2.00 1.50
J TMWW-1	MT20	5.0	6.0	2.50 2.25
K TMV+p	MT20	3.0	4.0	
M BMVW1-1	MT20	4.0	9.0	Edge
N P, S				
N BMWW-1	MT20	4.0	4.0	
O BS-1	MT20	3.0	6.0	
Q BMWW-1	MT20	4.0	9.0	
R BS-1	MT20	3.0	6.0	
T BMVW1-1	MT20	4.0	9.0	Edge

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	HORZ	BRG	IN-SX	BRG	IN-SX
T	2083	0	0	2083	0	0	5-8	5-8	5-8
M	2083	0	0	2083	0	0	5-8	5-8	5-8

UNFACTORED REACTIONS

1ST CASE	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	1457	989	0	0	0	0	0
M	1457	989	0	0	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 D-Q, I-P, C-T, J-M.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	0 28	C-S	-110 37
B-C	0 20	D-T	0 278
C-D	-2780 0	E-U	-692 0
D-E	-2187 0	F-V	0 614
E-F	-2187 0	G-W	0 4
F-G	-1925 0	H-X	0 609
G-H	-2185 0	I-Y	-883 0
H-I	-2185 0	J-Z	0 279
I-J	-2761 0	K-AA	-110 37
J-K	0 20	L-BB	0 279
K-L	0 28	M-CC	-3042 0
L-M	-325 0	N-DD	0 61
M-N	-325 0	O-EE	0 61
N-O	0 2537	P-FF	0 61
O-P	0 2383	Q-GG	0 61
P-Q	0 2383	R-HH	0 61
Q-R	0 1924	S-II	0 61
R-S	0 2382	T-JJ	0 61
S-T	0 2382	U-KK	0 61
T-U	0 2538	V-LL	0 61

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 5.00/12

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 086-08, CSA 085-14
 - TPIC 2011, TPIC 2014

155% 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 (0.14")
 ALLOWABLE DEFL.(TL) = L/360 (1.17")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.29")

CSF: TC=0.40(1.00 (J-1)), BC=0.56(1.00 (M-N)), WB=0.61(1.00 (J-M)), SS=0.20(1.00 (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

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 = 0.89 (F) (INPUT = 0.90)
 JSI METAL = 0.83 (O) (INPUT = 1.00)



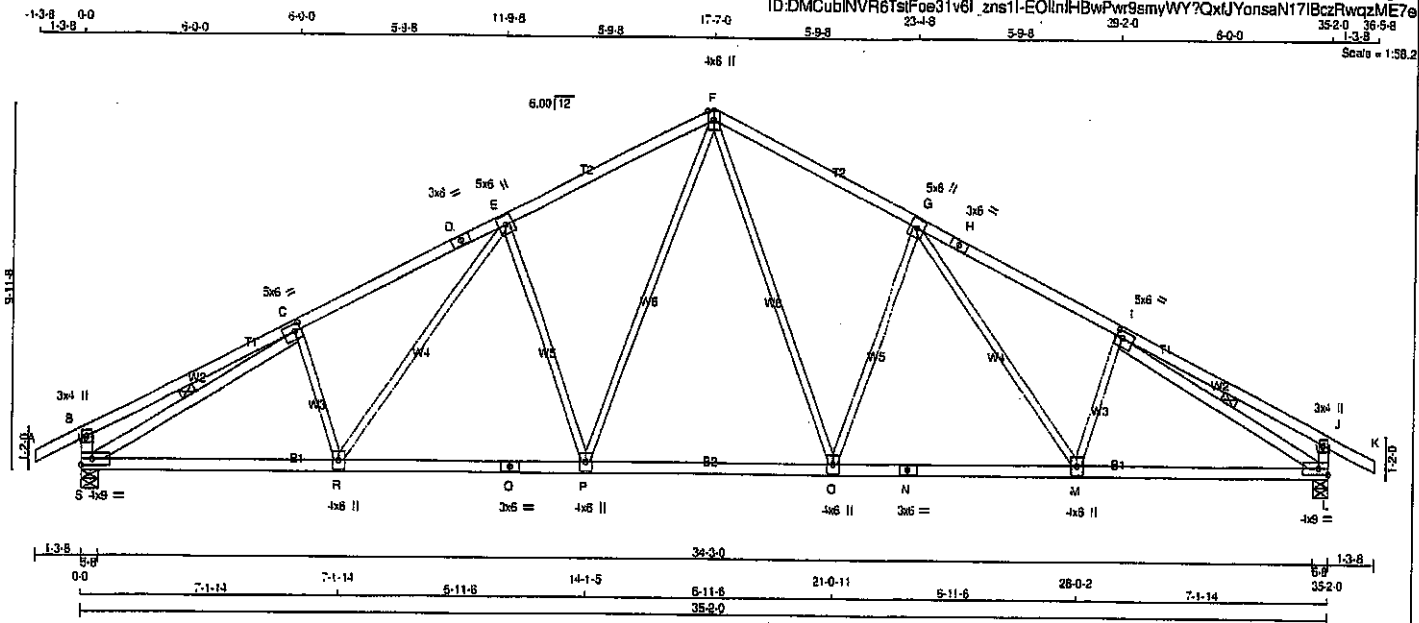
Structural component only
 DWG# T-2007666

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	IDRWG NO.
408224	T46	8	1	GREEN PARK HOMES	
TRUSS DESC.					

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6tstFoe31v6l_zns1l-EOLnHBwPwr9smyWY?QxUjYonsaNT7BczRwqzME7e



TOTAL WEIGHT = 8 X 152 = 1213 lb
[M/F]

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	TYPE	PLATES	W	LEN	Y	X
B	TMV-p	MT20	3.0	4.0		
C	TMWW-1	MT20	5.0	6.0	2.25	2.00
D	TS-1	MT20	3.0	6.0		
E	TMWW-1	MT20	5.0	6.0		
F	TTWW-p	MT20	4.0	6.0	Edge	
G	TMWW-1	MT20	5.0	6.0		
H	TS-1	MT20	3.0	6.0		
I	TMWW-1	MT20	5.0	6.0	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	6.0		
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 GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT	REQD
JT	VERT	DOWN	BRG	BRG
S	2083	0	5-8	5-8
L	2083	0	5-8	5-8

UNFACTORED REACTIONS	1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
S	1457	969
L	1457	969

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.75 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

1 LATERAL BRACE(S) AT 1/2 LENGTH OF C-S, I-L
END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING	TOTAL LOAD CASES: (4)
CHORDS	WEBS
MEMB.	MEMB.
MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
VERT. LOAD LC1	MAX. FACTORED FORCE (LBS)
FROM TO	FROM TO
A-B	0 28
B-C	0 22
C-D	-2808 0
D-E	-2808 0
E-F	-2322 0
F-G	-2322 0
G-H	-2808 0
H-I	-2808 0
I-J	0 22
J-K	0 28
K-L	-344 0
L-M	-344 0
M-N	0 2574
N-O	0 2291
O-P	0 2291
P-Q	0 1762
Q-R	0 2291
R-S	0 2291
S-T	0 2574

DESIGN CRITERIA

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

SPACING = 24.0 IN/C

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

THIS DESIGN COMPLIES WITH:
- PART 8 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

155 % 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 (0.14")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/999 (0.28")

CSI: TC=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 (I-J:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

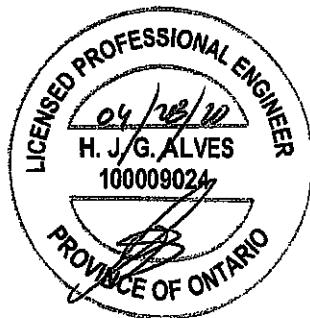
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

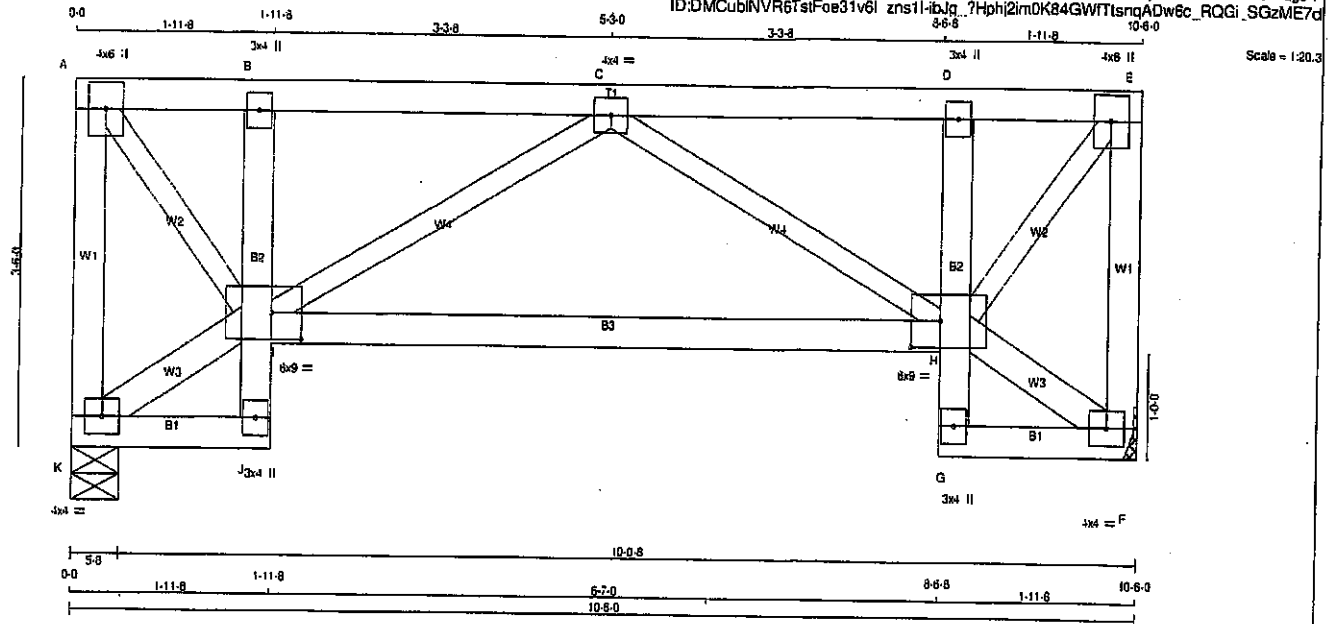


Structural component only
DWG# T-2007667

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
408224	T47S	2	1	GREEN PARK HOMES		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6l zns1l-bJq_7Hph2imDK84GWITlsnqADw8c_RQGi_SGzME7d



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	8.0		
B	TMV+p	MT20	3.0	4.0		
C	TMVW-i	MT20	4.0	4.0		
D	TMV+p	MT20	3.0	4.0		
E	TMVW+p	MT20	4.0	6.0		
F	BMVW-i	MT20	4.0	4.0		
G	BMV+p	MT20	3.0	4.0		
H	BMVW/i	MT20	6.0	9.0	3.00	3.50
I	BMVW/i	MT20	6.0	9.0	3.00	3.50
J	BMV+p	MT20	3.0	4.0		
K	BMVW-i	MT20	4.0	4.0		

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

PROVIDE ADEQUATE DRAINAGE TO PREVENT PONDING.

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
K	697	0	897	0
F	697	0	5-8	5-8

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

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
K	504	269	0	0	0	235	0
F	504	269	0	0	0	235	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 = 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)	LC1 MAX CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)	
FR-TO		FROM TO		FR-TO			
K-A	-667 0	0.0	0.17 (1)	7.81	K-I	-28 0 0.00 (1)	
A-B	-497 0	-114.3	-114.3 0.14 (1)	6.25	A-I	0 783 0.24 (1)	
B-C	-508 0	-114.3	-114.3 0.22 (1)	6.25	H-F	-28 0 0.00 (1)	
C-D	-508 0	-114.3	-114.3 0.22 (1)	6.25	H-E	0 783 0.24 (1)	
D-E	-497 0	-114.3	-114.3 0.14 (1)	6.25	I-C	-384 0 0.15 (1)	
E-F	-667 0	0.0	0.17 (1)	7.81	C-H	-384 0 0.15 (1)	
K-J	0 25	-18.5	-18.5 0.03 (4)	10.00			
J-I	0 19	0.0	0.0 0.05 (1)	10.00			
I-B	-331 0	0.0	0.0 0.05 (1)	7.81			
I-H	0 832	-18.5	-18.5 0.46 (4)	10.00			
G-H	0 19	0.0	0.0 0.05 (1)	10.00			
H-D	-331 0	0.0	0.0 0.05 (1)	7.81			
G-F	0 25	-18.5	-18.5 0.03 (4)	10.00			

TOTAL WEIGHT = 2 X 51 = 102 lb

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, NSCC 2010, NSCC 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 685-14
- TPIC 2011, TPIC 2014

155 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.35")
CALCULATED VERT. DEFL. (LL) = L/999 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.35")
CALCULATED VERT. DEFL. (TL) = L/999 (0.12")

CSI: TC=0.22/1.00 (B-C-1), BC=0.46/1.00 (H-I-4), WB=0.24/1.00 (E-H-1), SS=0.22/1.00 (B-C-1)

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

COMPANION LIVE LOAD FACTOR = 1.00
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 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

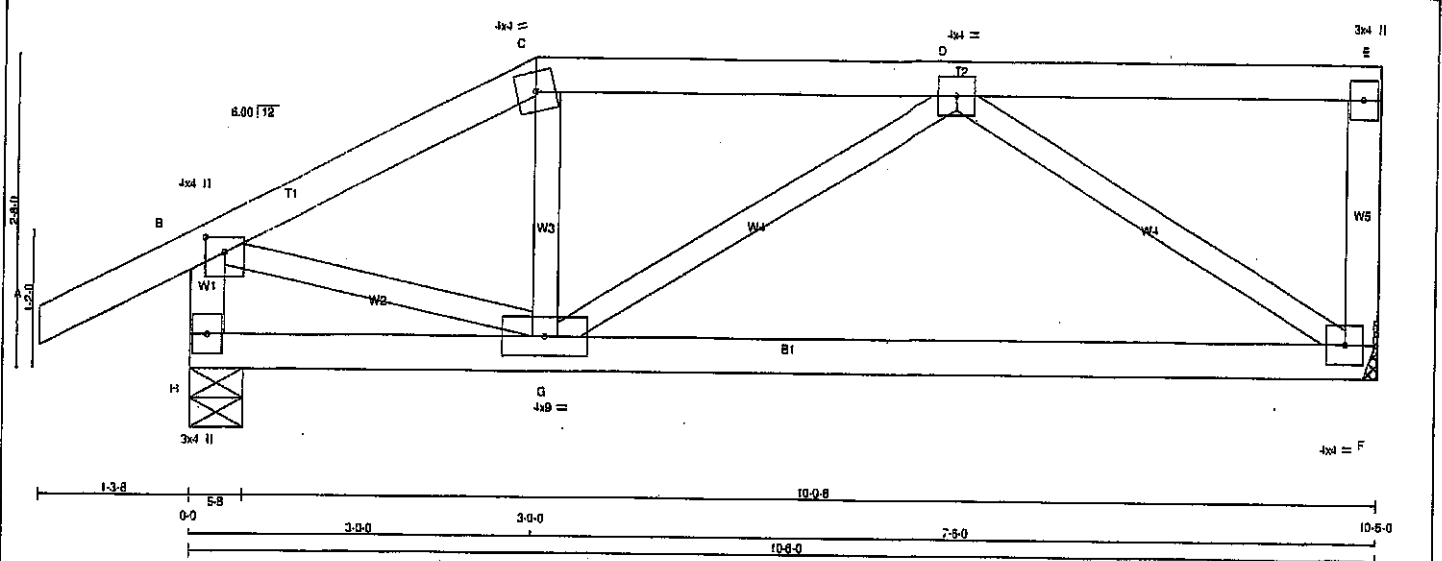
JSI GRIP= 0.77 (H) INPUT = 0.99)
JSI METAL= 0.30 (E) INPUT = 1.00)



Structural component only
DWG# T-2007668

JOB NAME 408224	TRUSS NAME T48	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Tue Apr 26 10:20:07 2020 Page 1
 ID:DMCubINVR6TsiFoe31v6I zns11-Ani2CLIRS0AZOAvKoz1u04OyjadNr3H6Wsy_jzME7c
 6-7-12 5-8-9 0-12 3-3-8 10-6-0
 Scale = 1:18.2



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

PLATES (table is in inches)			
JT TYPE	PLATES	W	LEN Y X
B	TMVW+p	MT20	4.0 4.0 1.50 2.00
C	TTW-m	MT20	4.0 4.0
D	TMVW-t	MT20	4.0 4.0
E	TMV+p	MT20	3.0 4.0
F	BMVW1-t	MT20	4.0 4.0
G	BMVW1-t	MT20	4.0 3.0
H	BMV1+p	MT20	3.0 4.0

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER									
BEARINGS									
JT	VERT	HORZ	MAXIMUM FACTORED GROSS REACTION	FACTORED GROSS REACTION	INPUT BRG	RECORD BRG			
F	579	0	579	0	0	MECHANICAL			
H	703	0	703	0	0	5-8	5-8		

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

UNFACTORED REACTIONS									
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL		
F	409	269	0	0	0	141	0	0	0
H	495	338	0	0	0	157	0	0	0

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

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

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

LOADING									
TOTAL LOAD CASES: (4)									
CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED HORZ. LOAD (LC1)	MAX. FACTORED UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORZ. LOAD (LC1)	MAX. FACTORED UNBRACED LENGTH (FT)	MAX. FACTORED UNBRACED LENGTH (FT)
FR-TO					FR-TO				
A-B	0 28	-91.8	-91.8	0.12 (1)	10.00	G-C	0 61	0.02 (4)	10.00
B-C	-635 0	-91.8	-91.8	0.15 (1)	8.25	G-D	-61 60	0.02 (4)	10.00
C-D	-559 0	-91.8	-91.8	0.21 (1)	8.25	D-F	-731 0	0.23 (1)	10.00
D-E	0 0	-91.8	-91.8	0.20 (1)	10.00	E-G	0 587	0.13 (1)	10.00
E-F	-135 0	0.0	0.0	0.02 (1)	7.81				
F-G	-699 0	0.0	0.0	0.07 (1)	7.81				
H-G	0 0	-18.5	-18.5	0.21 (4)	10.00				
G-F	0 619	-18.5	-18.5	0.25 (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. 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, NBCC 2015

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.35")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
 ALLOWABLE DEFL.(TL) = L/360 (0.35")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.21:1.00 (C-D:1), BC=0.25:1.00 (F-G:4), WB=0.23:1.00 (D-F:1), SS=0.17:1.00 (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

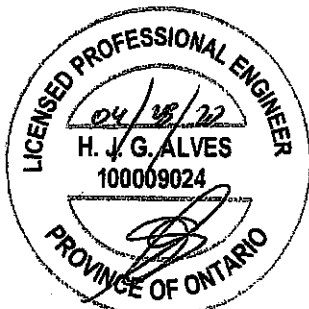
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

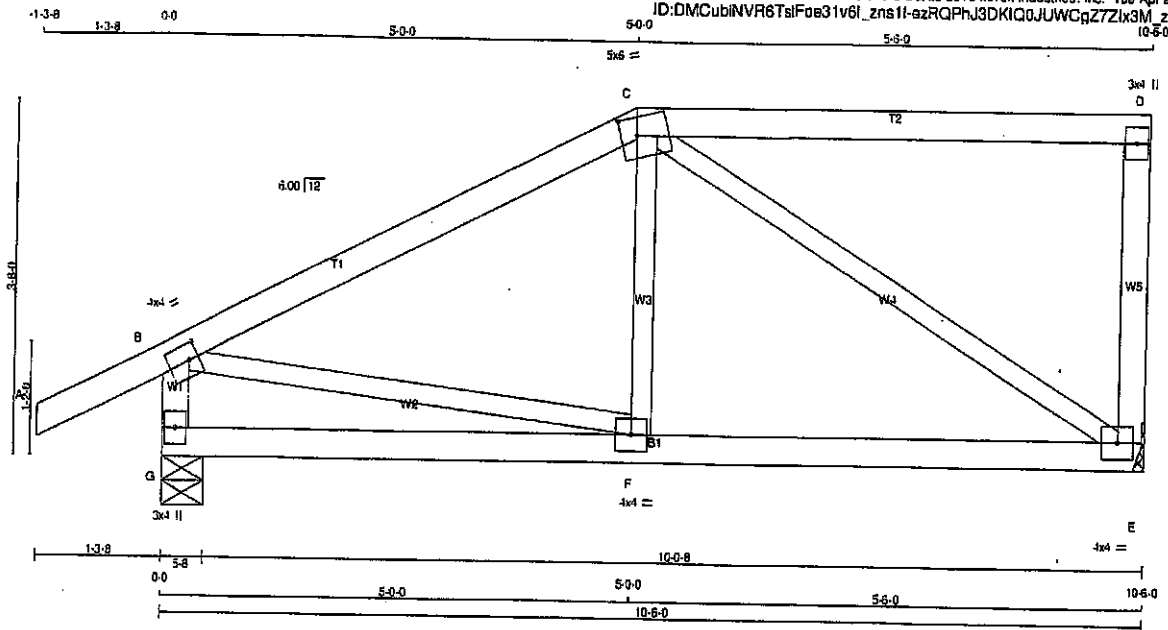
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.88 (B) (INPUT = 0.90)
 JSI METAL = 0.23 (F) (INPUT = 1.00)



Structural component only
 DWG# T-2007669

JOB NAME 408224	TRUSS NAME T49	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



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

PLATES (Table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW-i	MT20	4.0	4.0	2.00 1.25
C	TTWW-m	MT20	5.0	6.0	2.25 2.00
D	TMV+p	MT20	3.0	4.0	
E	BMVW-i	MT20	4.0	4.0	
F	BMVW-i	MT20	4.0	4.0	
G	BMV+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	UPLIFT
E	579	0	579	0	0
G	703	0	703	0	0

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

UNFACTORED REACTIONS		1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE
E	409	269	0
G	485	338	0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS		MAX. FACTORED FORCE	FACTORED VERT. LOAD	MAX. FACTORED HORIZ. LOAD	MAX. FACTORED MOMENT
MEMB.	FR-TO	(LBS)	(PLF)	(LBS)	(LBS-FT)
A-B	0	28	-91.8	-91.8	0.12 (1)
B-C	-523	0	-91.8	-91.8	0.41 (1)
C-D	0	0	-91.8	-91.8	0.47 (1)
E-D	-252	0	0.0	0.0	0.05 (1)
G-B	-567	0	0.0	0.0	0.07 (1)
G-F	0	0	-18.5	-18.5	0.14 (4)
F-E	0	468	-18.5	-18.5	0.19 (4)

WEBS		MAX. FACTORED FORCE	MAX. FACTORED MOMENT
MEMB.	FR-TO	(LBS)	(LBS-FT)
F-C	0	106	0.04 (4)
C-E	-549	0	0.37 (1)
B-F	0	474	0.11 (1)

TOTAL WEIGHT = 42 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

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 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 (0.35")
CALCULATED VERT. DEFL. (LL) = L/999 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.35")
CALCULATED VERT. DEFL. (TL) = L/999 (0.03")

CSL: TC=0.47 1.00 (C-D:1), BC=0.19 1.00 (E-F:4), WB=0.37 1.00 (C-E:1), SS=0.20 1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

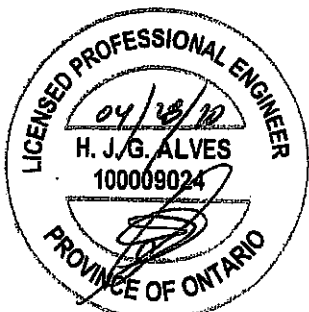
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PL) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 518 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (B) (INPUT = 0.90)
JSI METAL= 0.26 (B) (INPUT = 1.00)

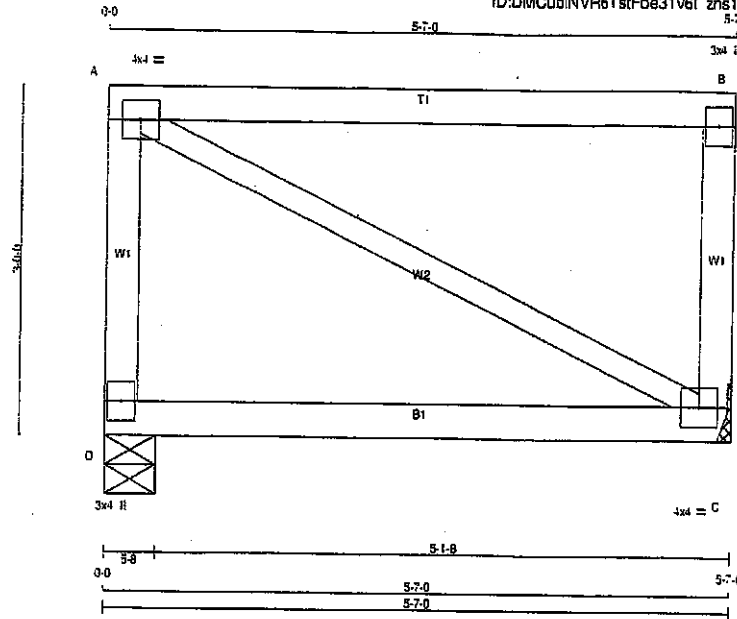


Structural component only
DWG# T-2007670

Lamarack Hoof Truss, Burlington

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Scale = 1:10,4



TOTAL WEIGHT = 2 X 23 = 46 lb.

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

ALL WEBS 2x3 DRY
 DRY: SEASONED LUMBER.

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	4.0	4.0		
B	TMV+p	MT20	3.0	4.0		
C	BMVW1-t	MT20	4.0	4.0		
D	BMV1+p	MT20	3.0	4.0		

PROVIDE ADEQUATE DRAINAGE TO PREVENT PONDING

BEARINGS							
JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
	D	371	0	371	0	0	5-8
C	371	0	371	0	0	MECHANICAL	

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

1ST CASE		MAX-MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
D	268	143 0	0 0	0 0	0 0	125 0	0 0
C	268	143 0	0 0	0 0	0 0	125 0	0 0

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

TOP CHORD TO BE SHEATHED OR MAX. FURLIN 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.

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LOAD LC1	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO		UNBRAC LENGTH	FR-TO		
D-A	-319 0	0.0	0.0	0.06 (1)	7.81		
A-B	0 0	-114.3	-114.3	0.81 (1)	10.00	0 0	0.00 (1)
C-B	-319 0	0.0	0.0	0.06 (1)	7.81		
D-C	0 0	-18.5	-18.5	0.23 (4)	10.00		

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	15.0	PSF
BOT CH.	LL =	0.0	PSF
	OL =	7.4	PSF
TOTAL LOAD	=	48.0	PSF

SPACING = 24.0 IN. C/C

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

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

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

155 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN
LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF
LIVE LOAD

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

CSI: TC=0.81/1.00 (A-B:1), BC=0.23/1.00 (C-D:4),
WB=0.00/1.00 (A-C:1), SSI=0.33/1.00 (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= 0.25 (A) (INPUT = 0.90)
JSI METAL= 0.07 (A) (INPUT = 1.00)

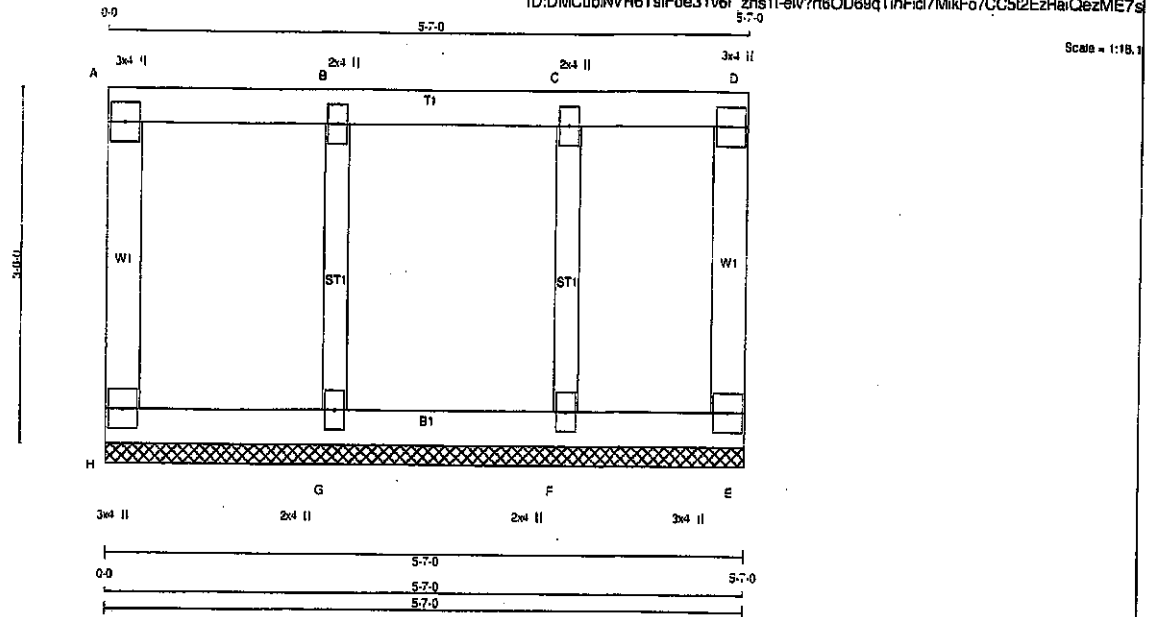


Structural component only
DWG# T-2007671

JOB NAME 408224	TRUSS NAME G50	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 MTek Industries, Inc. Tue Apr 28 10:19:51 2020 Page 1
ID:DMCubINVR6TslFoe31v6f zns1l-eiv7r18OD68qTihFid7MikFo7CC5t2EzRaiQezME7s



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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
A	TMV+p	MT20	3.0	4.0	
B	TMW+w	MT20	2.0	4.0	
C	TMW+w	MT20	2.0	4.0	
D	TMV+p	MT20	3.0	4.0	
E	BMV1+p	MT20	3.0	4.0	
F	BMV1+w	MT20	2.0	4.0	
G	BMV1+w	MT20	2.0	4.0	
H	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 (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	
FR-TO		FROM TO	CS1 (LC)	UNBRAC LENGTH FR-TO	FR-TO				
H-A	-101 0	0.0	0.0	0.03 (1)	7.81	G-B	-248 0	0.08 (1)	
A-B	-8 0	-114.3	-114.3	0.08 (1)	10.00	F-C	-209 0	0.05 (1)	
B-C	-8 0	-114.3	-114.3	0.08 (1)	10.00				
C-D	-8 0	-114.3	-114.3	0.08 (1)	10.00				
E-D	-80 0	0.0	0.0	0.03 (1)	7.81				
H-G	0 8	-18.5	-18.5	0.02 (4)	10.00				
G-F	0 8	-18.5	-18.5	0.02 (4)	10.00				
F-E	0 8	-18.5	-18.5	0.02 (4)	10.00				

TOTAL WEIGHT = 22 lb (M/F)

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 26.6 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

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

155% 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 (G-H:1), WB=0.08/1.00 (B-G:1), SS=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

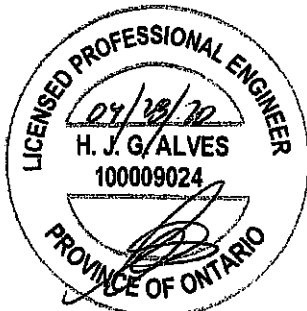
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES			
PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354	1867

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.17 (G) (INPUT = 0.90)
JSI METAL = 0.07 (G) (INPUT = 1.00)

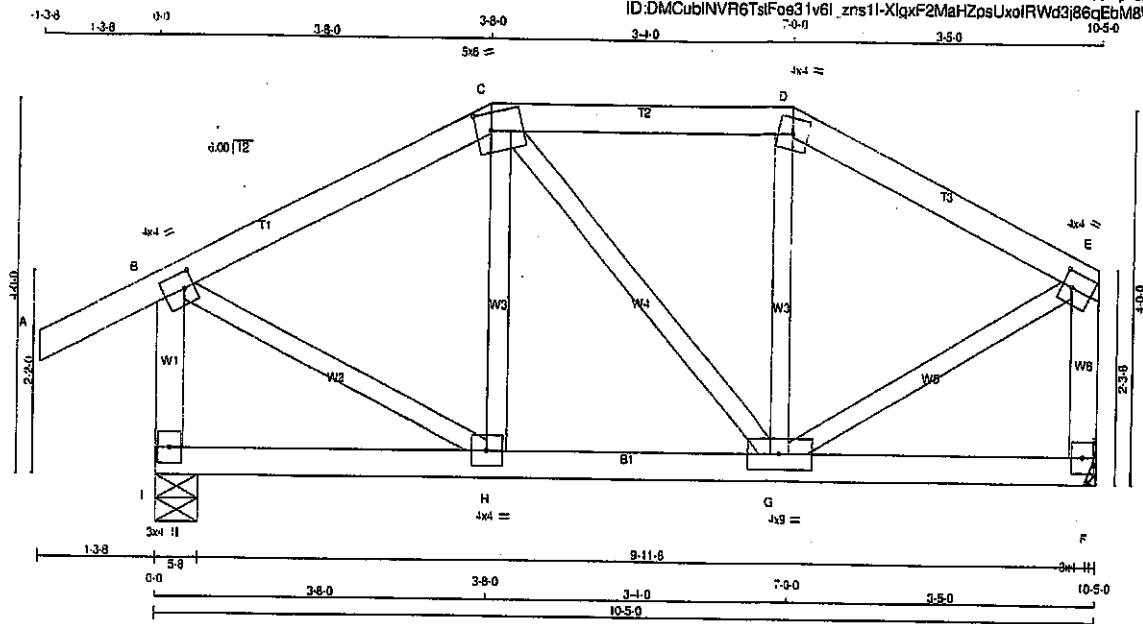


Structural component only
DWG# T-2007656



Structural component only
DWG# T-2007672

JOB NAME 408224	TRUSS NAME T52	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
C - D	2x4	DRY	No.2
D - E	2x4	DRY	No.2
I - B	2x4	DRY	No.2
F - E	2x4	DRY	No.2
I - 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	TMW-t	MT20	4.0	4.0	2.00	1.25
C	TTW-m	MT20	5.0	6.0	2.25	2.00
D	TTW-m	MT20	4.0	4.0		
E	TMW-t	MT20	4.0	4.0	2.00	1.25
F	BMV-t+p	MT20	3.0	3.0		
G	BMWW-t	MT20	4.0	9.0		
H	BMWW-t	MT20	4.0	4.0		
I	BMV-t+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	REQ'D BRG
I	699	699	5-8	5-8
F	574	574	0	MECHANICAL

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

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
I	492	335 0	0 0	0 0	156 0	0 0
F	406	267 0	0 0	0 0	140 0	0 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 28	-91.8 -91.8	0.12 (1)	10.00	H-C	-116 14	0.03 (1)
B-C	-423 0	-91.8 -91.8	0.16 (1)	6.25	C-G	-20 0	0.01 (1)
C-D	-362 0	-91.8 -91.8	0.13 (1)	6.25	G-D	-125 8	0.03 (1)
D-E	-409 0	-91.8 -91.8	0.14 (1)	8.25	B-H	0 422	0.09 (1)
I-B	-669 0	0 0	0.08 (1)	7.81	G-E	0 419	0.09 (1)
F-E	-546 0	0 0	0.07 (1)	7.81			
I-H	0 0	-18.5 -18.5	0.05 (4)	10.00			
H-G	0 375	-18.5 -18.5	0.09 (1)	10.00			
G-F	0 0	-18.5 -18.5	0.05 (4)	10.00			

TOTAL WEIGHT = 48 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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) = L/360 (0.35")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.35")
CALCULATED VERT. DEFL.(TL) = L/999 (0.01")

CSI: TC=0.16/1.00 (B-C:1), BC=0.09/1.00 (G-H:1), WB=0.09/1.00 (B-H:1), SS=0.12/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

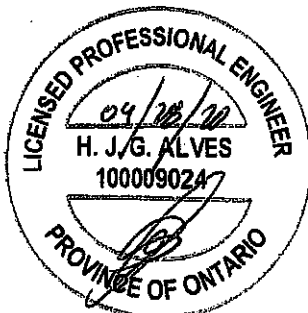
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.65 (B) (INPUT = 0.90)
JSI METAL = 0.21 (B) (INPUT = 1.00)

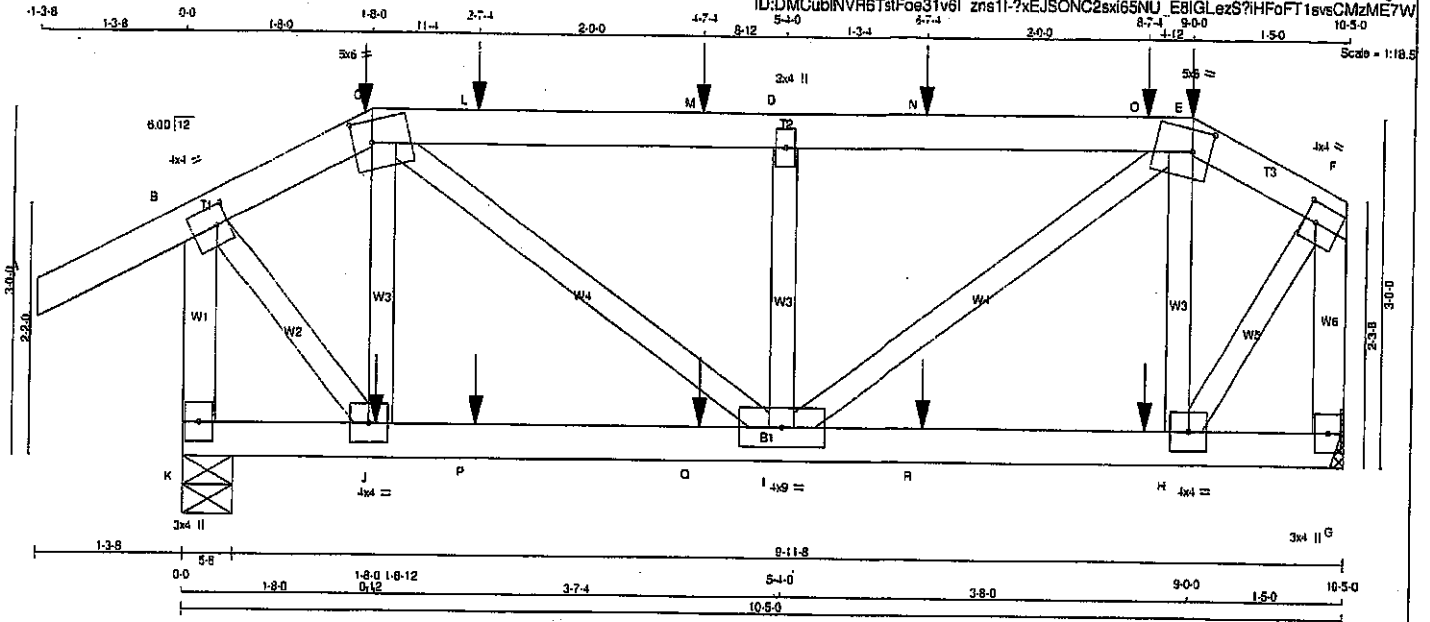


Structural component only
DWG# T-2007673

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	T53	1	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 46 lb
[M]

LUMBER	SIZE	LUMBER
N. L. G. A. RULES		
CHORDS		
A - C	2x4	DRY
C - E	2x4	DRY
E - F	2x4	DRY
K - B	2x4	DRY
K - F	2x4	DRY
K - G	2x4	DRY

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 TTWW-m	MT20	5.0	6.0	2.25	2.00
D TMVW-w	MT20	2.0	4.0		
E TTWW-m	MT20	5.0	6.0	2.25	2.00
F TMVW-1	MT20	4.0	4.0	2.00	1.25
G BMV1+p	MT20	3.0	4.0		
H BMVW-1	MT20	4.0	4.0		
I BMVWW-1	MT20	4.0	9.0		
J BMVW-1	MT20	4.0	4.0		
K BMV1+p	MT20	3.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	UP
K	818	0	818	0
G	679	0	679	0

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

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT COMBINED	
K	578 393 0 0 0 0 0 0 183 0 0 0
G	480 317 0 0 0 0 0 0 162 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	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC2)	MAX. FACTORED VERT. LOAD (LC3)	MAX. FACTORED VERT. LOAD (LC4)	MAX. FACTORED VERT. LOAD (LC5)	MAX. FACTORED VERT. LOAD (LC6)	MAX. FACTORED VERT. LOAD (LC7)	MAX. FACTORED VERT. LOAD (LC8)	MAX. FACTORED VERT. LOAD (LC9)	MAX. FACTORED VERT. LOAD (LC10)
FR-TO													
A-B	0 28	-91.8	-91.8	0.13 (1)	10.00	J-C	-307 0	0.08 (1)					
B-C	-427 0	-91.8	-91.8	0.13 (1)	8.25	C-I	0 438	0.11 (1)					
C-L	-702 0	-91.8	-91.8	0.26 (1)	6.25	I-D	-472 0	0.09 (1)					
L-M	-702 0	-91.8	-91.8	0.26 (1)	6.25	E-E	0 469	0.12 (1)					
M-D	-702 0	-91.8	-91.8	0.28 (1)	6.25	H-E	-373 0	0.07 (1)					
D-N	-702 0	-91.8	-91.8	0.28 (1)	6.25	B-J	0 523	0.13 (1)					
N-O	-702 0	-91.8	-91.8	0.26 (1)	6.25	H-F	0 556	0.14 (1)					
O-E	-702 0	-91.8	-91.8	0.26 (1)	6.25								
E-F	-379 0	-91.8	-91.8	0.04 (1)	6.25								
K-B	-812 0	0.0	0.0	0.10 (1)	7.81								
G-F	-877 0	0.0	0.0	0.09 (1)	7.81								
K-J	0 0	-18.5	-18.5	0.04 (4)	10.00								
J-P	0 349	-18.5	-18.5	0.09 (1)	10.00								
P-Q	0 349	-18.5	-18.5	0.09 (1)	10.00								
O-I	0 349	-18.5	-18.5	0.09 (1)	10.00								
I-R	0 324	-18.5	-18.5	0.09 (1)	10.00								
R-H	0 324	-18.5	-18.5	0.09 (1)	10.00								
H-G	0 0	-18.5	-18.5	0.04 (4)	10.00								

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
C	9-0-0	-21	-21	---	FRONT	VERT	TOTAL	---	C1
H	8-7-4	-4	-4	---	BACK	VERT	TOTAL	---	C1
J	1-8-12	-4	-4	---	BACK	VERT	TOTAL	---	C1
L	2-7-4	-28	-28	---	BACK	VERT	TOTAL	---	C1
M	4-7-4	-25	-25	---	BACK	VERT	TOTAL	---	C1
N	6-7-4	-25	-25	---	BACK	VERT	TOTAL	---	C1
O	8-7-4	-53	-53	---	BACK	VERT	TOTAL	---	C1
P	2-7-4	-4	-4	---	BACK	VERT	TOTAL	---	C1
Q	4-7-4	-4	-4	---	BACK	VERT	TOTAL	---	C1
R	6-7-4	-4	-4	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

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

SPECIFIED LOADS:
TOP CH. LL = 25.6 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

*** NON STANDARD GIRDER ***

ADDT'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

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

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

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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 (0.35")
CALCULATED VERT. DEFL. (LL) = L/999 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.35")
CALCULATED VERT. DEFL. (TL) = L/999 (0.02")

CSI: TC=0.26; 1.00 (D-E); BC=0.09; 1.00 (I-J); WB=0.14; 1.00 (F-H); SS=0.21; 1.00 (C-D);

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

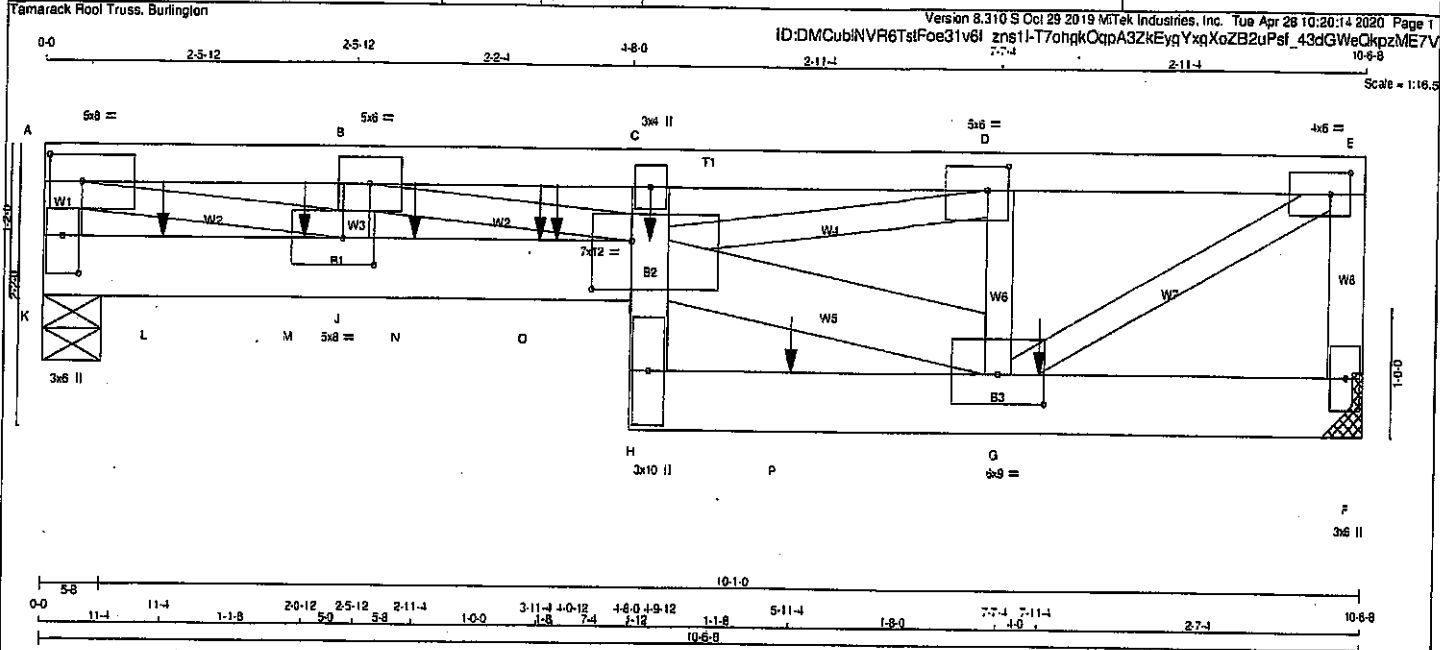
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (F) INPUT = 0.90 ;
JSI METAL= 0.22 (F) INPUT = 1.00 ;



Structural component only
DWG# T-2007674

JOB NAME 408224	TRUSS NAME T54S	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Tue Apr 28 10:20:14 2020 Page 1	



LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
K - A	2x4	DRY	No.2
A - E	2x4	DRY	No.2
F - E	2x4	DRY	No.2
K - I	2x6	DRY	No.2
H - C	2x4	DRY	No.2
H - F	2x6	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
I - G	2x6	DRY	No.2

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
K - A	12	TOP
A - E	12	TOP
E - F	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
K - I	12	SIDE (81.0)
H - F	12	SIDE (183.1)
C - H	5	SIDE (89.6)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	1	
2x6	2	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER						
<u>BEARINGS</u>						
	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG		
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX
K	2804	0	2804	0	0	5-8
F	2255	0	2255	0	0	MECHANICAL

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT F MINIMUM BEARING LENGTH AT JOINT F = 4.0.

UNFACTORED REACTIONS							
JT	1ST CASE	2ND CASE	3RD CASE	4TH CASE	5TH CASE	6TH CASE	7TH CASE
K	1841	1212	0	0	0	0	0
F	1592	1061	0	0	0	0	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.36 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.

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORZ. LOAD (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORZ. LOAD (LBS)
FR-TO				FR-TO			
K-A	-2274	0	0.0	I-G	0	2869	0.19 (1)
A-B	-8694	0	-91.8	I-D	0	5929	0.73 (1)
B-C	-10298	0	-91.8	G-D	-2146	0	0.17 (1)
C-D	-9247	0	-91.8	G-E	0	4043	0.50 (1)
D-E	-3416	0	-91.8	E-J	-1577	0	0.12 (1)
F-E	-2242	0	0.0	A-J	0	7027	0.87 (1)
				B-I	0	3806	0.47 (1)
K-L	0	0	-18.5				
L-M	0	0	-18.5				
M-J	0	0	-18.5				
J-N	0	8694	-18.5				
N-O	0	8694	-18.5				
O-I	0	8694	-18.5				
H-I	0	354	0.0				
I-C	0	128	0.0				
H-P	0	832	-18.5				
P-G	0	832	-18.5				
G-F	0	0	-18.5				

FACTORED CONCENTRATED LOADS (LBS)							
JT	LOC.	LC1	MAX.	FACE	DIR.	TYPE	HEEL
G	7-11-4	-661	-661	---	BACK	VERT	TOTAL
I	4-9-12	-577	-577	---	FRONT	VERT	TOTAL
L	11-4	-72	-72	---	BACK	VERT	TOTAL
M	2-0-12	-352	-352	---	FRONT	VERT	TOTAL
N	2-11-4	-142	-142	---	BACK	VERT	TOTAL
O	3-11-4	-983	-983	---	BACK	VERT	TOTAL
O	4-0-12	-354	-354	---	FRONT	VERT	TOTAL
P	5-11-4	-556	-556	---	BACK	VERT	TOTAL

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA	
SPECIFIED LOADS:	
TOP CH. LL	= 25.6 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF
SPACING = 24.0 IN. 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 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 (0.35")

CALCULATED VERT. DEFL. (LL) = L/862 (0.15")

ALLOWABLE DEFL. (TL) = L/360 (0.35")

CALCULATED VERT. DEFL. (TL) = L/469 (0.27")

CSI: TC=0.66 (1.0) (B-C-1), BC=0.79 (1.0) (J-I-1), WB=0.87 (1.0) (A-J-1), SS=0.45 (1.0) (C-I-1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00

COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

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



Structural component only
DWG# T-2007675 1/2

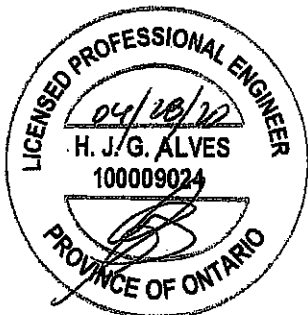
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	T54S	1	2	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-1	MT20	5.0	8.0	2.50	3.00
B	TMVW-1	MT20	5.0	6.0		
C	TMV-p	MT20	3.0	4.0		
D	TMVW-1	MT20	5.0	6.0	2.25	2.00
E	TMVW-1	MT20	4.0	6.0	2.00	2.00
F	BMV1+p	MT20	3.0	6.0		
G	BMVW-1	MT20	6.0	9.0	2.75	4.50
H	BMV-p	MT20	3.0	10.0		
I	BVMWW-1	MT20	7.0	12.0	4.50	3.75
J	BMVW-1	MT20	5.0	8.0	2.50	3.00
K	BMV1+p	MT20	3.0	6.0	3.50	1.50



Structural component only
DWG# T-2007675

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408222	V2	1	1	TRUSS DESC.		

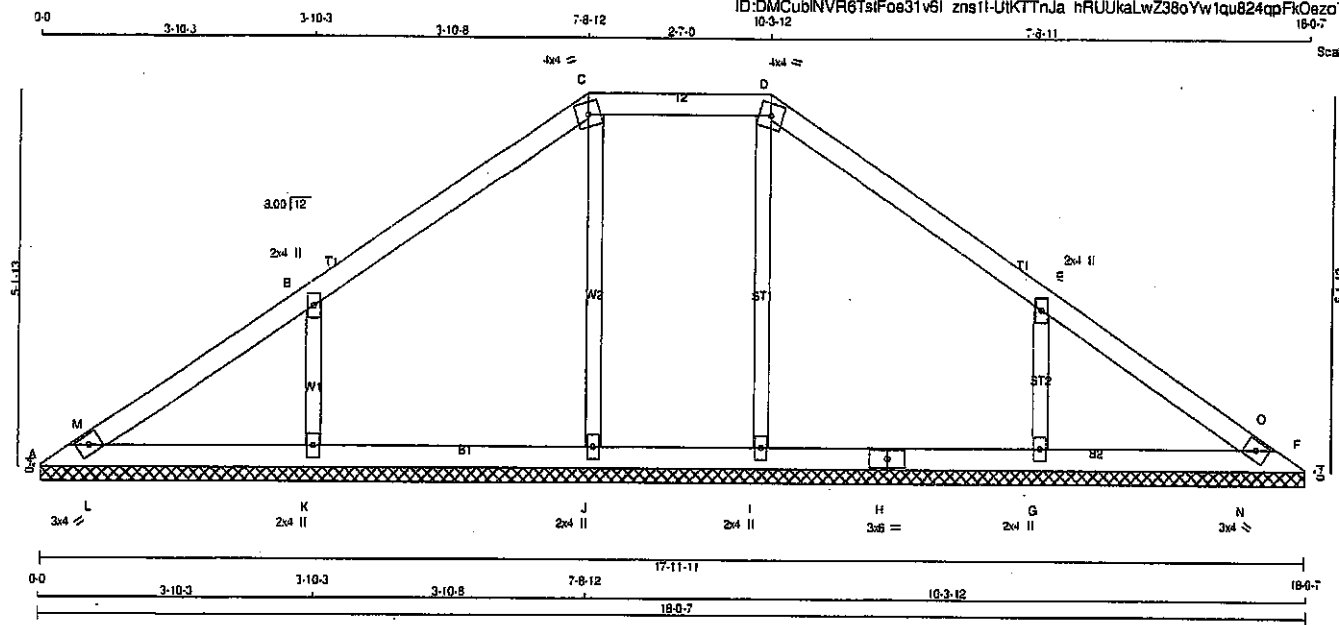
Tamarack Roof Truss, Burlington

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16-07

Scale = 1/20



TOTAL WEIGHT = 54 lb

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

PLATES (Table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
A	TBM1-h	MT20	3.0	4.0
B	TMW+w	MT20	2.0	4.0
C	TTW-m	MT20	4.0	3.0
D	TTW-m	MT20	4.0	4.0
E	TMW+w	MT20	2.0	4.0
F	TBM1-h	MT20	3.0	4.0
G, I, J, K				
G	BMW1+w	MT20	2.0	4.0
H	BS-1	MT20	3.0	6.0

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

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT		REQ'D	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	BRG	BRG
A	136	0	136	0	0	17-11-11	11-17-12-11		
F	136	0	136	0	0	17-11-11	11-17-12-11		
I	344	0	344	0	0	17-11-11	11-17-12-11		
G	513	0	513	0	0	17-11-11	11-17-12-11		
J	342	0	342	0	0	17-11-11	11-17-12-11		
K	513	0	513	0	0	17-11-11	11-17-12-11		

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
A	86	85	0	0	0	0	0
F	95	85	0	0	0	0	0
I	244	155	0	0	0	0	0
G	362	240	0	0	0	0	0
J	242	154	0	0	0	0	0
K	362	240	0	0	0	0	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)	MAX. CSI (LC)
FR-TO		FROM	TO	FR-TO			
A-M	0 20	-91.8	-91.8 0.04 (1)	10.00	I-D	-292 0	0.11 (1)
M-B	0 71	-91.8	-91.8 0.22 (1)	10.00	G-E	-408 0	0.07 (1)
B-C	0 33	-91.8	-91.8 0.22 (1)	10.00	J-C	-291 0	0.11 (1)
C-D	0 52	-91.8	-91.8 0.11 (1)	10.00	K-B	-408 0	0.07 (1)
D-E	0 33	-91.8	-91.8 0.22 (1)	10.00	L-M	-71 4	0.00 (1)
E-O	0 71	-91.8	-91.8 0.22 (1)	10.00	N-O	-89 5	0.00 (1)
O-F	0 19	-91.8	-91.8 0.04 (1)	10.00			
A-L	-43 0	-18.5	-18.5 0.07 (1)	6.25			
L-K	-30 0	-18.5	-18.5 0.07 (1)	6.25			
K-J	-45 0	-18.5	-18.5 0.07 (4)	6.25			
J-I	-52 0	-18.5	-18.5 0.04 (4)	6.25			
I-H	-45 0	-18.5	-18.5 0.07 (4)	6.25			
H-G	-45 0	-18.5	-18.5 0.07 (4)	6.25			
G-N	-30 0	-18.5	-18.5 0.07 (1)	6.25			
N-F	-43 0	-18.5	-18.5 0.07 (1)	6.25			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.6	PSF
BOT CH.	DL = 8.0	PSF
	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 086-08, 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=0.22/1.00 (E-O:1), BC=0.07/1.00 (K-L:1), WB=0.11/1.00 (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

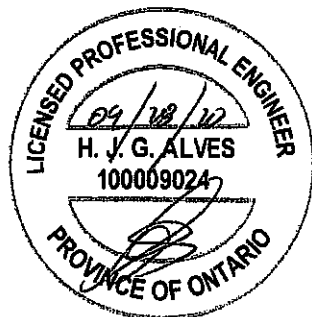
PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PL)	(PL)
MT20	618	354	1657 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.61 (C) (INPUT = 0.90)

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

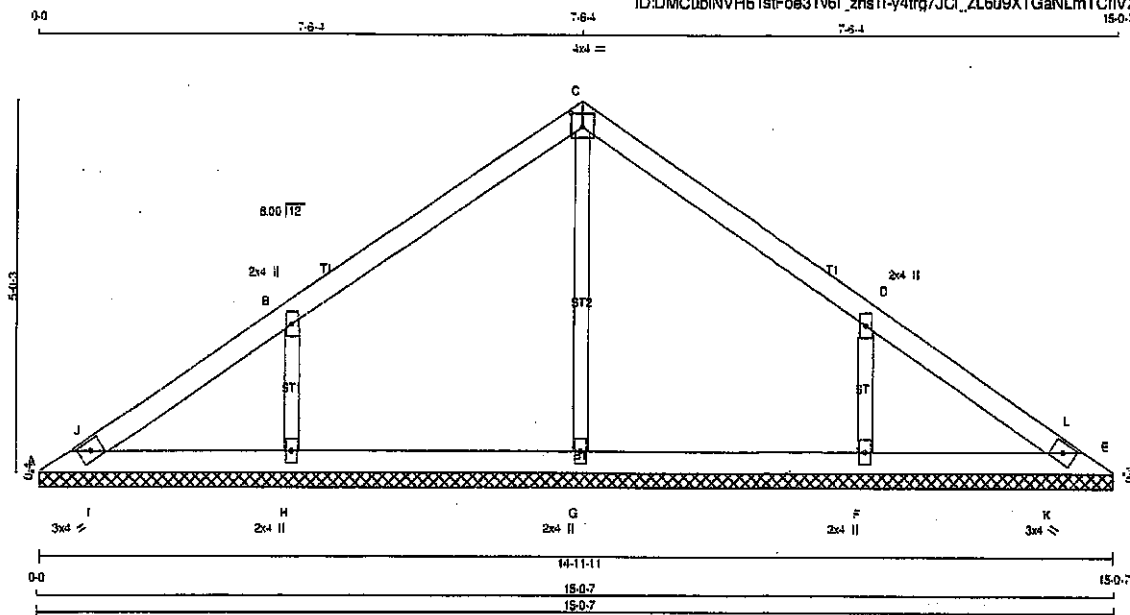


Structural component only
DWG# T-2007617

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408222	V3	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 43 lb
(34)

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

PLATES (table is in inches)	W	LEN	Y	X
JT TYPE PLATES				
A TBM1-h MT20	3.0	4.0		
B TMW-w MT20	2.0	4.0		
C TTW-p MT20	4.0	4.0	2.25	2.00
D TMW-w MT20	2.0	4.0		
E TBM1-h MT20	3.0	4.0		
F, G, H				
F BMW1-w MT20	2.0	4.0		

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	HORZ	DOWN	HORZ
A	134	0	134	0
E	134	0	134	0
G	381	0	381	0
H	501	0	501	0
F	501	0	501	0

UNFACTORED REACTIONS

1ST LCASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT COMBINED						
A	95	65	0	0	30	0
E	95	65	0	0	30	0
G	272	182	0	0	110	0
H	353	237	0	0	116	0
F	353	237	0	0	116	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 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	FACTORED			MEMB.	MAX.	FACTORED	
		FORCE	VERT.	LOAD	LC1	MAX.		FORCE	MAX
		(LBS)		(PLF)	CSI (LC)	UNBRAC		(LBS)	CSI (LC)
FR-TO			FROM-TO			LENGTH	FR-TO		
A-J	-20	4	-91.8	-91.8	0.04 (1)	6.25	G-C	-316	0
J-B	0	36	-91.8	-91.8	0.22 (1)	10.00	H-B	-406	0
B-C	-5	12	-91.8	-91.8	0.21 (1)	10.00	F-D	-406	0
C-D	-5	12	-91.8	-91.8	0.21 (1)	10.00	I-J	-46	8
D-L	0	36	-91.8	-91.8	0.22 (1)	10.00	K-L	-46	6
L-E	-20	4	-91.8	-91.8	0.04 (1)	6.25			
A-I	-13	0	-18.5	-18.5	0.05 (1)	6.25			
I-H	-10	3	-18.5	-18.5	0.05 (4)	6.25			
H-G	-13	0	-18.5	-18.5	0.05 (4)	6.25			
G-F	-13	0	-18.5	-18.5	0.06 (4)	6.25			
F-K	-10	3	-18.5	-18.5	0.06 (4)	6.25			
K-E	-13	0	-18.5	-18.5	0.06 (1)	6.25			

DESIGN CRITERIA

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

SPACING = 24.0 IN./C

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

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

155 % 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=0.22/1.00 (B-J:1), BC=0.08/1.00 (G-H:4), WB=0.11/1.00 (C-G:1), SS=0.15/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

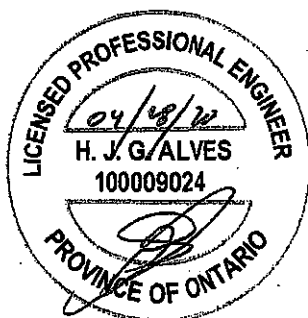
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 789 1997 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

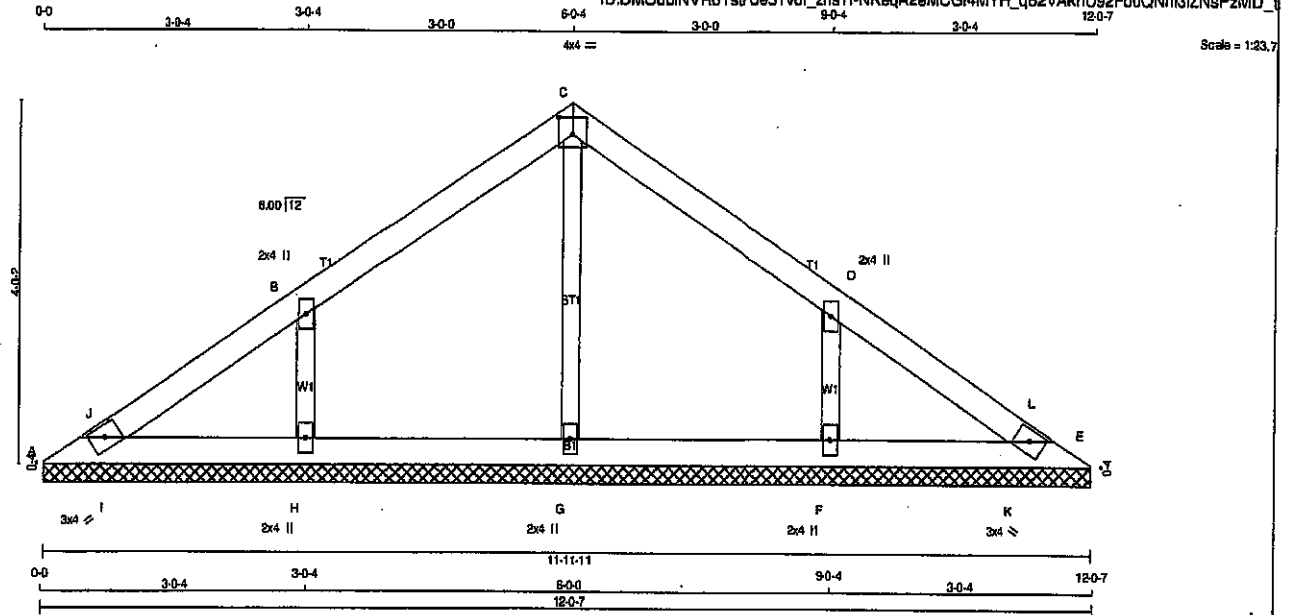
JSI GRIP = 0.28 (D) (INPUT = 0.90)
JSI METAL = 0.21 (D) (INPUT = 1.00)



Structural component only
DWG# T-2007618

JOB NAME 408222	TRUSS NAME V4	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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TOTAL WEIGHT = 34 lb

LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER			
N.L.G.A. RULES	CHORDS	SIZE	LUMBER	DESCR.	BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION
A - C	2x4	DRY	No.2	SPF	JT	VERT	HORZ
C - E	2x4	DRY	No.2	SPF	A	117	0
A - E	2x4	DRY	No.2	SPF	E	117	0
ALL WEBS	2x3	DRY	No.2	SPF	G	280	0
DRY; SEASONED LUMBER.					F	398	0
					H	398	0

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

UNFACTORED REACTIONS							
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
A	83	56/0	0/0	0/0	0/0	26/0	0/0
E	83	56/0	0/0	0/0	0/0	26/0	0/0
G	207	125/0	0/0	0/0	0/0	82/0	0/0
F	281	188/0	0/0	0/0	0/0	93/0	0/0
H	281	188/0	0/0	0/0	0/0	93/0	0/0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. FURLIN SPACING = 16.00 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 CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS (LC)	
FR-TO		FROM	TO	FR-TO			
A-J	-8/5	-91.8	-91.8 0.03 (1)	G-C	-248/0	0.08 (1)	
J-B	0/36	-91.8	-91.8 0.13 (1)	F-D	-314/0	0.05 (1)	
B-C	0/12	-91.8	-91.8 0.13 (1)	H-B	-314/0	0.05 (1)	
C-D	0/12	-91.8	-91.8 0.13 (1)	I-J	-47/4	0.00 (1)	
D-L	0/36	-91.8	-91.8 0.13 (1)	K-L	-47/4	0.00 (1)	
L-E	-8/5	-91.8	-91.8 0.03 (1)				
A-I	-13/0	-18.5	-18.5 0.05 (1)				6.25
I-H	-10/0	-18.5	-18.5 0.05 (1)				10.00
H-G	-20/0	-18.5	-18.5 0.04 (4)				6.25
G-F	-20/0	-18.5	-18.5 0.04 (4)				6.25
F-K	-10/0	-18.5	-18.5 0.05 (1)				10.00
K-E	-13/0	-18.5	-18.5 0.05 (1)				6.25

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, NBC 2010, NBC 2015

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

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

CSI: TC=0.13/1.00 (B-J:1), BC=0.05/1.00 (A-I:1), WB=0.08/1.00 (C-G:1), SI=0.11/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

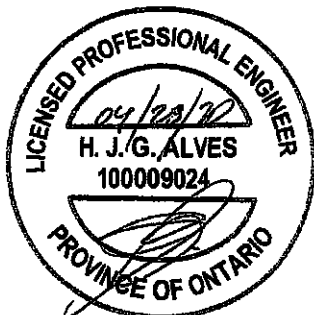
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (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.

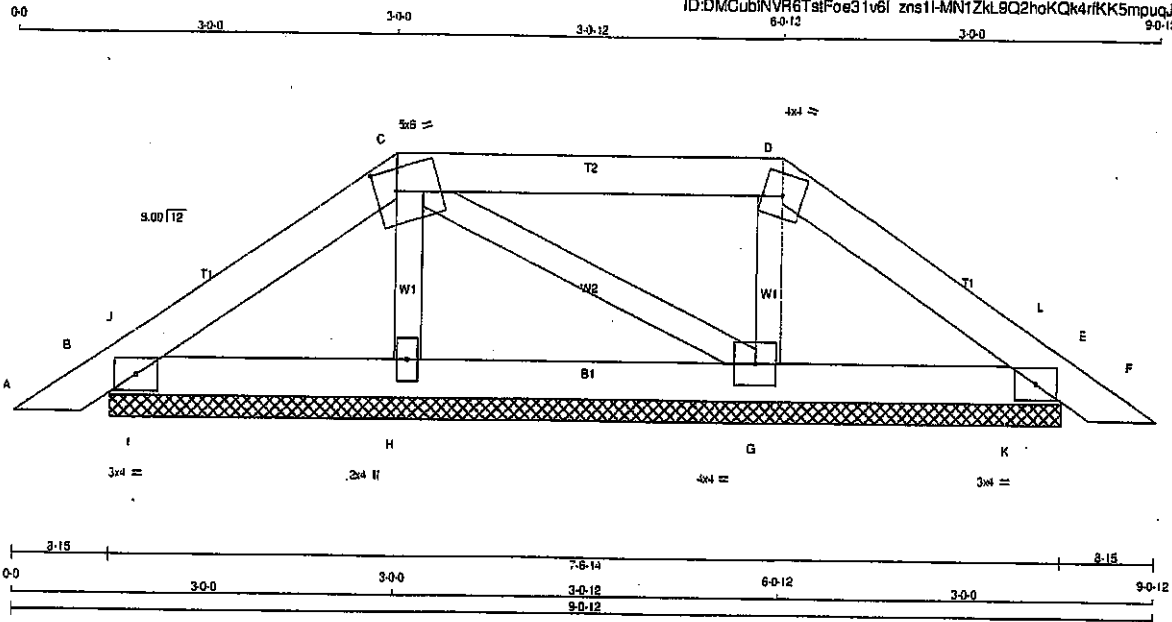
JSI GRIP= 0.22 (D) (INPUT = 0.90)
JSI METAL= 0.16 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007619

Structural component only
DWG# T-2007620

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408222	PB1	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		Version 8.310 S Oct 29 2019 M&T Tek Industries, Inc. Tue Apr 28 09:00:02 2020 Page 1			
		ID:DMCubINVR6TstFoe31v6I zns11-MN1Zkl8Q2hoKQk4rKK5mpuqJhFXylks?nrzMFib			
		6-0-12 9-0-12 3-0-0			
		Scale = 1:18			



LUMBER

N. L. G. A. RULES

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TTWW-m	MT20	5.0	6.0	2.00	2.00
D	TTWW-m	MT20	4.0	4.0		
E	TMB1-I	MT20	3.0	4.0		
G	BMWW1-I	MT20	4.0	4.0		
H	BMWW1-w	MT20	2.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	UPLIFT	IN-SX
B	221	0	0	7-6-14
E	209	0	0	7-6-14
H	248	0	0	7-6-14
G	280	0	0	7-6-14

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
B	154	113 0	0 0	0 0	0 0	41 0	0 0
E	146	106 0	0 0	0 0	0 0	39 0	0 0
H	176	109 0	0 0	0 0	0 0	67 0	0 0
G	198	127 0	0 0	0 0	0 0	71 0	0 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED	FACTORED	VERT. LOAD	MEMB.	MAX. FACTORED	FACTORED	VERT. LOAD
	FORCE	(PLF)	LC1 MAX		FORCE	(PLF)	LC1 MAX
FR-TO	(LBS)	FROM TO	CSI (LC)	FR-TO	(LBS)	FROM TO	CSI (LC)
A-B	0 15	-91.8 -91.8	0.03 (1)	H-C	-176 0	0.03 (1)	
B-J	-83 0	-91.8 -91.8	0.01 (1)	C-G	-21 0	0.00 (1)	
J-C	-75 0	-91.8 -91.8	0.05 (1)	G-D	-196 0	0.03 (1)	
C-D	-30 0	-91.8 -91.8	0.15 (1)	I-J	-121 0	0.00 (1)	
D-L	-54 0	-91.8 -91.8	0.05 (1)	K-L	-123 0	0.00 (1)	
L-E	-41 0	-91.8 -91.8	0.01 (1)				
E-F	0 15	-91.8 -91.8	0.03 (1)				
B-I	0 60	-18.5 -18.5	0.06 (1)				
I-H	0 60	-18.5 -18.5	0.06 (1)				
H-G	0 48	-18.5 -18.5	0.03 (1)				
G-K	0 43	-18.5 -18.5	0.08 (1)				
K-E	0 43	-18.5 -18.5	0.08 (1)				

TOTAL WEIGHT = 2 X 25 = 50 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 PLAT 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

155 % 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=0.15/1.00 (C-D:1), BC=0.06/1.00 (B-I:1), WB=0.03/1.00 (D-G:1), SS=0.11/1.00 (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)	(PLI)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	616 354	1967 788	1967 1656

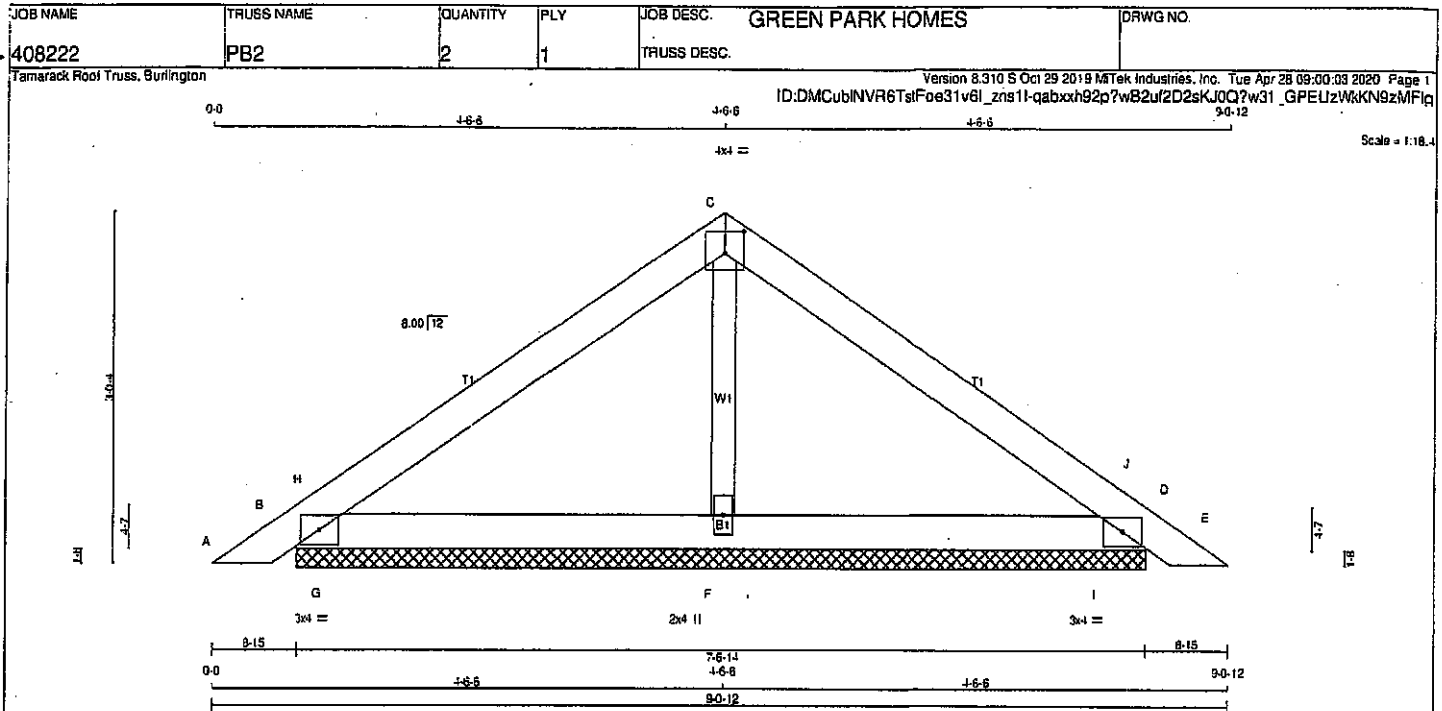
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.18 (B) INPUT = 0.90
JSI METAL= 0.04 (B) INPUT = 1.00



Structural component only
DWG# T-2007600



LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - C 2x4 DRY No.2

C - E 2x4 DRY No.2

B - D 2x4 DRY No.2

ALL WEBS 2x3 DRY No.2

DRY: SEASONED LUMBER.

DESCR.

SPF

SPF

SPF

SPF

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

DL = 8.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. G.C.

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

THIS DESIGN COMPLIES WITH:

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

- PART 9 OF CBC 2012 (2019 AMENDMENT)

- CSA 086-09, CSA 086-14

- TPIC 2011, TPIC 2014

155 % 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=0.15/1.00 (C-J:1), BC=0.15/1.00 (F-I:1), WB=0.03/1.00 (C-F:1), SS=0.26/1.00 (D-I:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

MAX MIN MAX MIN MAX MIN

MT20 818 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.28 (D) (INPUT = 0.30)

JSI METAL= 0.07 (D) (INPUT = 1.00)

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

B 318 0 318 0 0 7-6-14 7-6-14

D 318 0 318 0 0 7-6-14 7-6-14

F 320 0 320 0 0 7-6-14 7-6-14

UNFACTORED REACTIONS

1ST LCASE MAX. MIN. COMPONENT REACTIONS

JT COMBINED SNOW LIVE PERM. LIVE WIND DEAD SOIL

B 223 159 0 0 0 0 0 63 0 0 0

D 223 159 0 0 0 0 0 63 0 0 0

F 229 137 0 0 0 0 0 92 0 0 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS WEBS

MEMB. MAX. FACTORED FORCE (LBS) FACTORED VERT. LOAD (PLF) MAX. FACTORED CSI (LC) MEMB. MAX. FACTORED FORCE (LBS) MAX. FACTORED CSI (LC)

FR-TO FROM TO LENGTH FR-TO

A-B 0 15 -91.8 -91.8 0.03 (1) 10.00 F-C -148 0 0.03 (1)

B-H -31 0 -91.8 -91.8 0.07 (1) 6.25 G-H -349 0 0.00 (1)

H-C -135 0 -91.8 -91.8 0.16 (1) 6.25 I-J -349 0 0.00 (1)

C-J -135 0 -91.8 -91.8 0.16 (1) 6.25

J-D -31 0 -91.8 -91.8 0.07 (1) 6.25

D-E 0 15 -91.8 -91.8 0.03 (1) 10.00

B-G 0 105 -18.5 -18.5 0.15 (1) 10.00

G-F 0 105 -18.5 -18.5 0.15 (1) 10.00

F-I 0 105 -18.5 -18.5 0.15 (1) 10.00

I-D 0 105 -18.5 -18.5 0.15 (1) 10.00

PLATES (table in inches)

JT TYPE PLATES W LEN Y X

B TMB1-I MT20 3.0 4.0

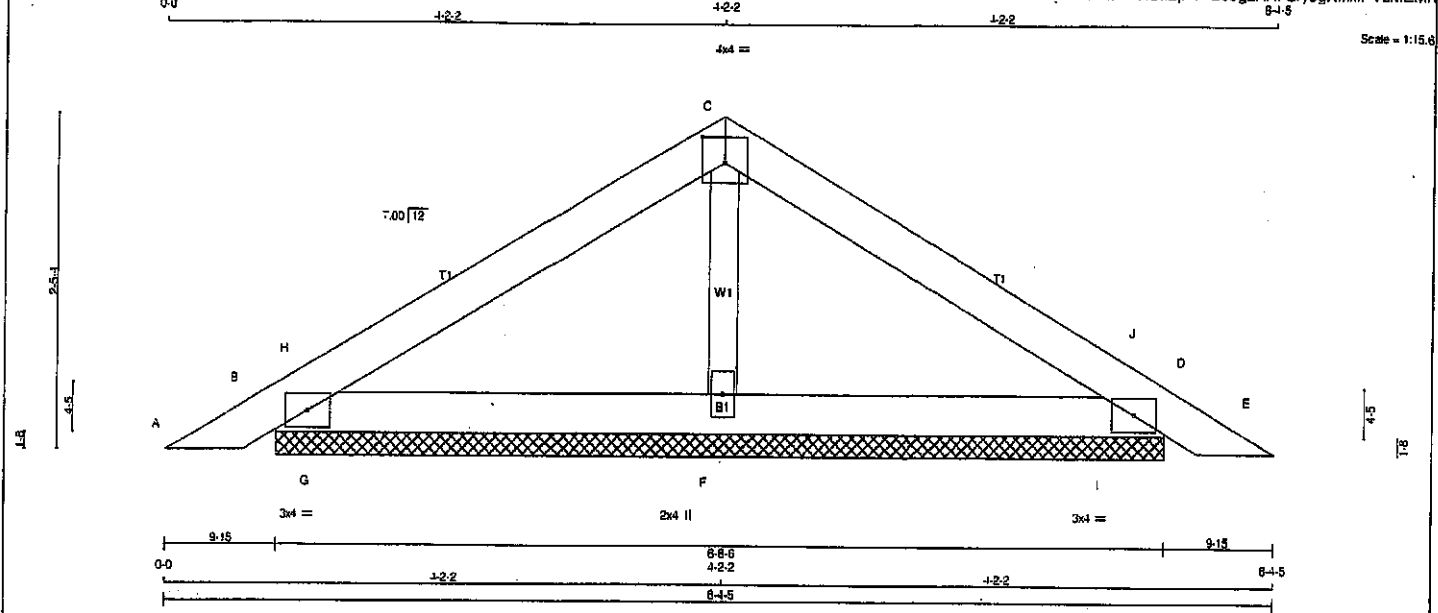
C TTW-p MT20 4.0 4.0 2.25 2.00

D TMB1-I MT20 3.0 4.0

F BMW1-w MT20 2.0 4.0



Structural component only
DWG# T-2007601



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

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

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

JT	FACTORED		MAXIMUM FACTORED			INPUT	REQD
	GROSS REACTION		GROSS REACTION			BRG	BRG
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
B	281	0	281	0	0	6-8-6	6-8-6
D	281	0	281	0	0	6-8-6	6-8-6
F	314	0	314	0	0	6-8-6	6-8-6

UNFACTORED REACTIONS

1ST CASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
B	197	141 0	0 0	0 0	0 0	55 0	0 0
D	197	141 0	0 0	0 0	0 0	55 0	0 0
F	224	137 0	0 0	0 0	0 0	87 0	0 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: {4}

CHORDS				WEBS			
MAX. FACTORED		FACTORED		MAX. FACTORED		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	0 16	-91.8	-91.8 0.04 (1)	10.00	F-C	-159 0	0.02 (1)
B-H	-44 0	-91.8	-91.8 0.05 (1)	6.25	G-H	-250 0	0.00 (1)
H-C	-99 0	-91.8	-91.8 0.12 (1)	6.25	I-J	-250 0	0.00 (1)
C-J	-99 0	-91.8	-91.8 0.12 (1)	6.25			
J-D	-44 0	-91.8	-91.8 0.05 (1)	6.25			
D-E	0 16	-91.8	-91.8 0.04 (1)	10.00			
B-G	0 81	-18.5	-18.5 0.12 (1)	10.00			
G-F	0 81	-18.5	-18.5 0.12 (1)	10.00			
F-I	0 81	-18.5	-18.5 0.12 (1)	10.00			
I-D	0 81	-18.5	-18.5 0.12 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

155 % 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 (C:H:1) , BC=0.12/1.00 (B:G:1) ,
WB=0.02/1.00 (C:F:1) , SSI=0.18/1.00 (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)	(PLI)	(PLI)	(PLI)
MT20	618	354	1667	788	1987	1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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



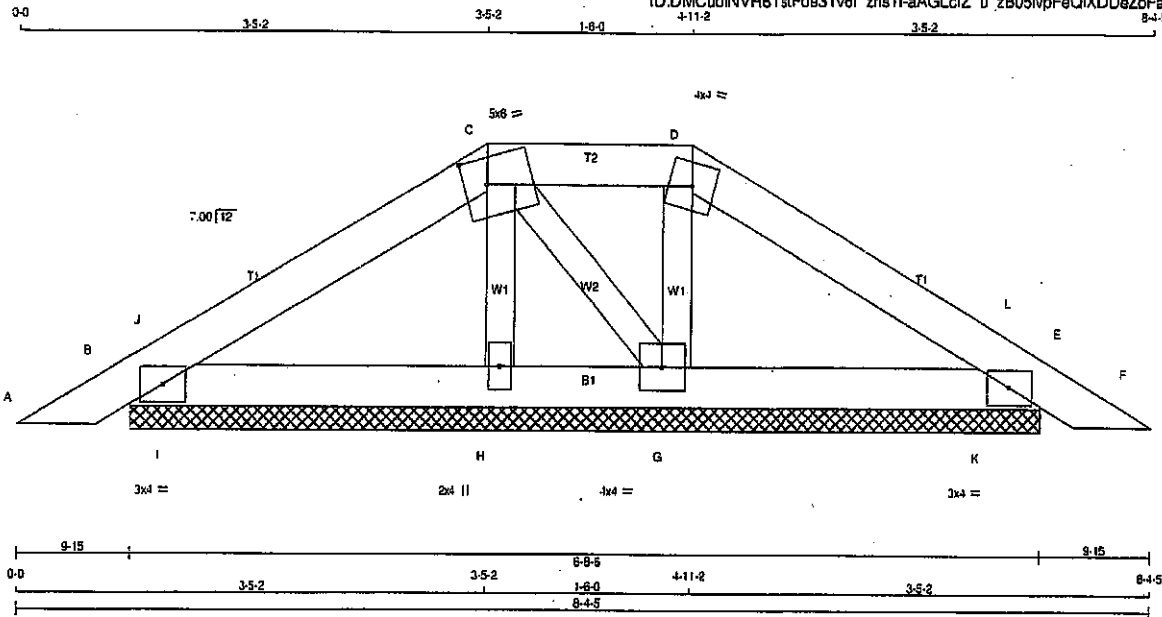
Structural component only
DWG# T-2007627

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408223	PB21	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFos31v6I zns11-aAGLcIZ u zB05lvpFeQIXDDeZbFaPRpb0UDxxzMEMm

Scale = 1:15.2



TOTAL WEIGHT = 22 lb (M)

LUMBER

N. L. G. A. RULES

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

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

PLATES (table is in inches)

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

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
B	241	0	241	0	6-8-6	6-8-6
E	228	0	228	0	6-8-6	6-8-6
H	170	0	170	0	6-8-6	6-8-6
G	238	0	238	0	6-8-6	6-8-6

UNFACTORED REACTIONS

1ST CASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
B	189	121.0	0.0	0.0	0.0	48.0	0.0
E	180	114.0	0.0	0.0	0.0	46.0	0.0
H	122	74.0	0.0	0.0	0.0	48.0	0.0
G	168	111.0	0.0	0.0	0.0	57.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FROM	TO	LENGTH	MEMB.	WEBS	
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)					MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (PL)
FR-TO								
A-B	0 16	-91.8	-91.8	0.04 (1)	10.00	H-C	-107 0	0.02 (1)
B-J	-59 0	-91.8	-91.8	0.01 (1)	6.25	C-G	-36 0	0.01 (1)
J-C	-71 0	-91.8	-91.8	0.07 (1)	6.25	G-D	-147 0	0.02 (1)
C-D	-28 0	-91.8	-91.8	0.04 (1)	6.25	I-J	-139 0	0.00 (1)
D-L	-46 0	-91.8	-91.8	0.07 (1)	6.25	K-L	-141 0	0.00 (1)
L-E	-33 0	-91.8	-91.8	0.01 (1)	6.25			
E-F	0 16	-91.8	-91.8	0.04 (1)	10.00			
B-I	0 59	-18.5	-18.5	0.07 (1)	10.00			
I-H	0 59	-18.5	-18.5	0.07 (1)	10.00			
H-G	0 52	-18.5	-18.5	0.04 (1)	10.00			
G-K	0 38	-18.5	-18.5	0.07 (1)	10.00			
K-E	0 38	-18.5	-18.5	0.07 (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 8.00/12

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2018, OBC 2012 : ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-08, 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

CSI: TC=0.07 (D-L:1), BC=0.07 (B-I:1), WB=0.02 (D-G:1), SS=0.11 (E-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

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

NAIL VALUES

PLATE GRIP (DRY) SHEAR (PSI)	(PL)	SECTION
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 = 0.19 (B) (INPUT = 0.90)
JSI METAL = 0.05 (D) (INPUT = 1.00)

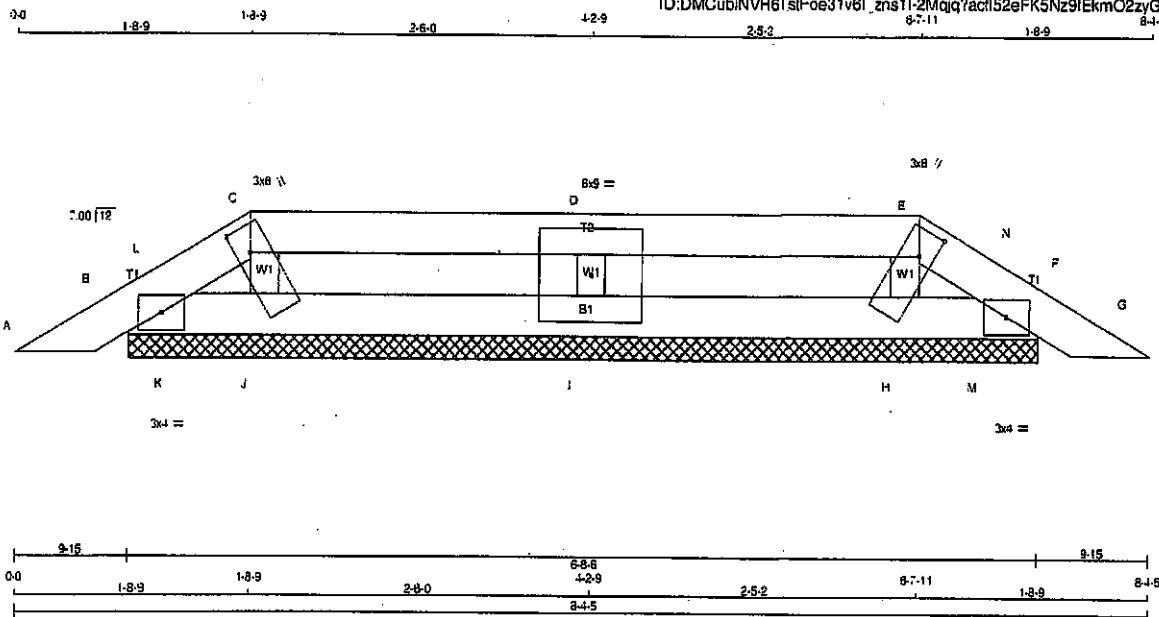


Structural component only
DWG# T-2007628

JOB NAME 408223	TRUSS NAME PB22	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
TRUSS DESC.					

Tamarack Roof Truss, Burlington

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Scale = 1:15.2

LUMBER N. L. G. A. RULES CHORDS SIZE LUMBER DESCR. ALL WEBS 2x3 DRY No.2 SPF DRY: SEASONED LUMBER.

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY No.2	SPF
C - E	2x4	DRY No.2	SPF
E - G	2x4	DRY No.2	SPF
G - F	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
B	TMB1-I	MT20	3.0	4.0		
C	D, E, H, I, J					
C	TTBW1+H	MT20	3.0	8.0	2.25	1.25
D	TMBMW1-I	MT20	8.0	9.0		
E	TTBW1+H	MT20	3.0	8.0	2.25	1.25
F	TMB1-I	MT20	3.0	4.0		

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

BEARINGS

FACTORED		MAXIMUM FACTORED		INPUT	REQD		
GROSS REACTION		GROSS REACTION		BRG	BRG		
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
B	151	0	151	0	0	0-0-0	0-0-0
F	152	0	152	0	0	0-0-0	0-0-0
J	125	0	125	0	0	0-0-0	0-0-0
H	120	0	120	0	0	0-0-0	0-0-0
I	330	0	330	0	0	0-0-0	0-0-0

UNFACTORED REACTIONS

1ST LCASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	COMBINED					
B	105	83	0	0	0	0
F	105	83	0	0	0	0
J	90	49	0	0	0	0
H	85	47	0	0	0	0
I	232	158	0	0	0	0

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

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. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM	TO	FR-TO			
A-B	0 18	-91.8	-91.8 0.04 (1)	10.00	J-C	-95 0	0.01 (1)
B-L	-53 0	-91.8	-91.8 0.04 (1)	6.25	H-E	-92 0	0.01 (1)
L-C	-22 0	-91.8	-91.8 0.01 (1)	6.25	I-D	-262 0	0.04 (1)
C-D	0 3	-91.8	-91.8 0.09 (1)	10.00	K-L	-1 12	0.00 (1)
D-E	0 3	-91.8	-91.8 0.09 (1)	10.00	M-N	0 13	0.00 (1)
E-N	-21 0	-91.8	-91.8 0.01 (1)	6.25			
N-F	-52 0	-91.8	-91.8 0.04 (1)	6.25			
F-G	0 18	-91.8	-91.8 0.04 (1)	10.00			
B-K	0 14	-18.5	-18.5 0.01 (1)	10.00			
K-J	0 14	-18.5	-18.5 0.02 (4)	10.00			
J-I	-3 0	-18.5	-18.5 0.02 (4)	10.00			
I-H	-3 0	-18.5	-18.5 0.02 (4)	10.00			
H-M	0 14	-18.5	-18.5 0.01 (4)	10.00			
M-F	0 14	-18.5	-18.5 0.01 (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

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

CS1: TC=0.09/1.00 (D-E:1), BC=0.02/1.00 (J-K:4), WB=0.04/1.00 (D-I:1), SS1=0.11/1.00 (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	
	(PS)		(PL)		(PL)	
	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 = 0.13 (C) (INPUT = 0.90)
JSI METAL = 0.04 (C) (INPUT = 1.00)

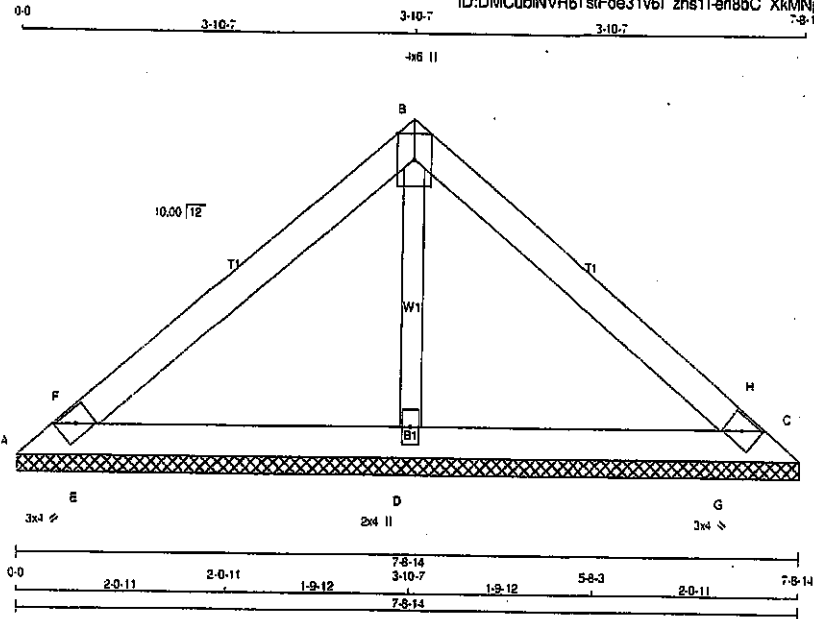


Structural component only
DWG# T-2007629

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408223	P20	17	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/20

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

PLATES (table is in inches)	W	LEN	Y	X
A - TBM1-t	MT20	3.0	4.0	
B - TTW+p	MT20	4.0	6.0	Edge
C - TBM1-t	MT20	3.0	4.0	
D - BMW1-w	MT20	2.0	4.0	

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
A	60	0	60	0	7-8-14	7-8-14
C	60	0	60	0	7-8-14	7-8-14
D	733	0	733	0	7-8-14	7-8-14

UNFACTORED REACTIONS

JT	1ST CASE		MAX. MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
A	43	28.0	0.0	0.0	0.0	14.0	0.0
C	42	28.0	0.0	0.0	0.0	14.0	0.0
D	518	339.0	0.0	0.0	0.0	179.0	0.0

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

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 LC1 (PLF)	MAX. CS1 (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)		
FR-TO		FROM TO			FR-TO				
A-F	0 227	-91.8 -91.8	0.09 (1)	10.00	D-B	-558 0	0.10 (1)		
F-B	0 219	-91.8 -91.8	0.17 (1)	10.00	E-F	-199 0	0.00 (1)		
B-H	0 219	-91.8 -91.8	0.17 (1)	10.00	G-H	-199 0	0.00 (1)		
H-C	0 228	-91.8 -91.8	0.09 (1)	10.00					
A-E	-207 0	-18.5 -18.5	0.13 (1)	6.25					
E-D	-174 0	-18.5 -18.5	0.13 (1)	6.25					
D-G	-174 0	-18.5 -18.5	0.13 (1)	6.25					
G-C	-207 0	-18.5 -18.5	0.13 (1)	6.25					

TOTAL WEIGHT = 17 X 21 = 363 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, 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

CS1: TC=0.17 (1.00 (B-F:1), BC=0.13 (1.00 (D-E:1), WB=0.10 (1.00 (B-D:1), SS1=0.11 (1.00 (C-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

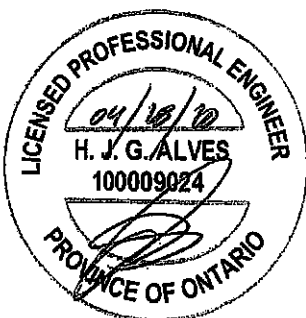
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLU)
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 = 0.29 (D) (INPUT = 0.90)
JSI METAL = 0.12 (D) (INPUT = 1.00)

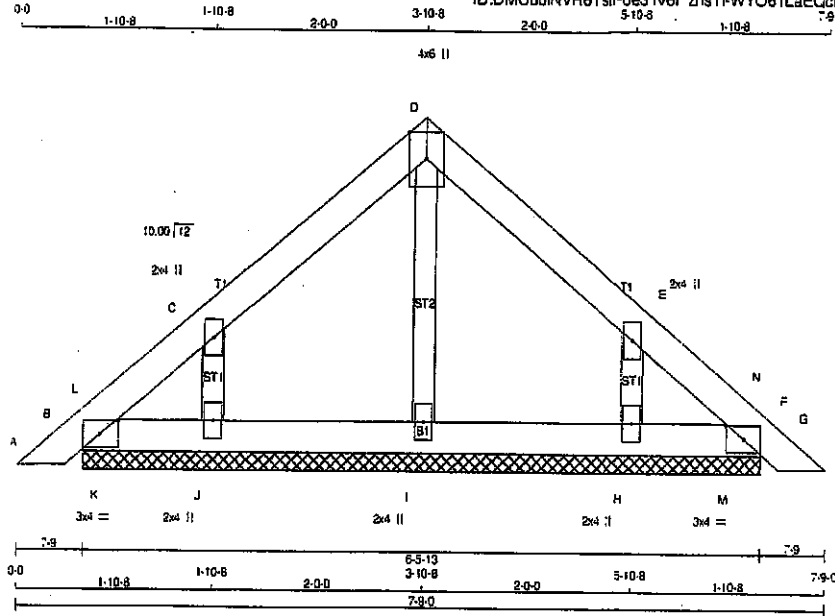


Structural component only
DWG# T-2007626

JOB NAME 408223	TRUSS NAME PG20	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1/19.7

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

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)				
JT TYPE	PLATES	W	LEN	Y X
B TMB1-I	MT20	3.0	4.0	1.50 2.00
C TMW+w	MT20	2.0	4.0	
D TTV+w	MT20	4.0	8.0	Edge
E TMW+w	MT20	2.0	4.0	
F TMB1-I	MT20	3.0	4.0	1.50 2.00
H, I, J				
H BMW1-w	MT20	2.0	4.0	

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

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS1 (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 14	-91.8 -91.8	0.02 (1)	10.00	I-D	-111 0	0.02 (1)
B-L	-71 0	-91.8 -91.8	0.00 (1)	6.25	J-C	-185 0	0.03 (1)
L-C	-30 0	-91.8 -91.8	0.05 (1)	6.25	H-E	-165 0	0.03 (1)
C-D	-47 0	-91.8 -91.8	0.05 (1)	6.25	K-L	0 9	0.00 (1)
D-E	-47 0	-91.8 -91.8	0.05 (1)	6.25	M-N	0 9	0.00 (1)
E-N	-30 0	-91.8 -91.8	0.05 (1)	6.25			
N-F	-71 0	-91.8 -91.8	0.00 (1)	6.25			
F-G	0 14	-91.8 -91.8	0.02 (1)	10.00			
S-K	0 44	-18.5 -18.5	0.01 (1)	10.00			
K-J	0 44	-18.5 -18.5	0.01 (4)	10.00			
J-I	0 27	-18.5 -18.5	0.02 (4)	10.00			
I-H	0 27	-18.5 -18.5	0.02 (4)	10.00			
H-M	0 44	-18.5 -18.5	0.01 (4)	10.00			
M-F	0 44	-18.5 -18.5	0.01 (1)	10.00			

TOTAL WEIGHT = 2 X 22 = 45 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, 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 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

CS1: TC=0.05/1.00 (C-D:1), EC=0.02/1.00 (H-I:4), WB=0.03/1.00 (C-J:1), SS1=0.07/1.00 (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 = 0.14 (E) INPUT = 0.90
JSI METAL = 0.10 (C) INPUT = 1.00



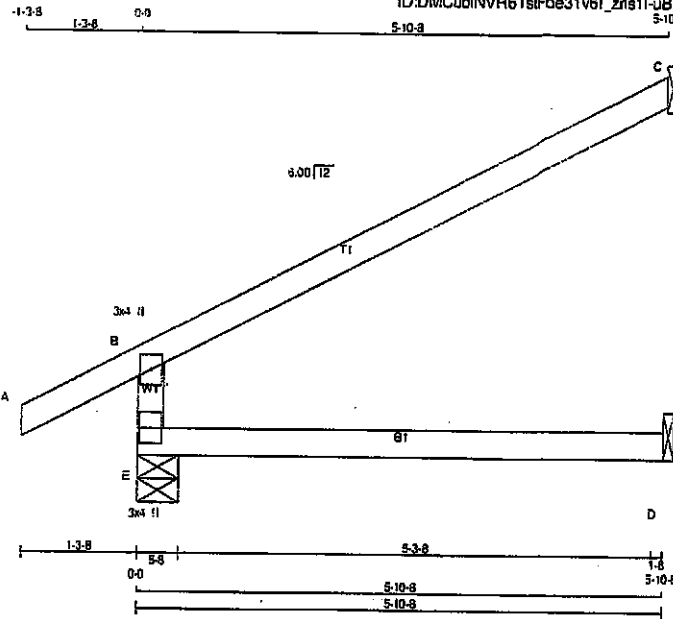
Structural component only
DWG# T-2007630

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408222	U1	21	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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Scale = 1/2\"/>

TOTAL WEIGHT = 21 X 17 = 353 lb

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (tablets in inches)

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

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	RECORD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT IN-SX	IN-SX
E	525	0	525	0	0	5-8
C	202	0	202	0	0	1-8
D	45	0	50	0	0	1-8

SEE MITEK STANDARD DETAIL 987791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	369	257	0	0	0	111	0
C	139	113	0	0	0	25	0
D	35	0	0	0	0	36	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)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED HORZ. LOAD (LC1)	MAX. FACTORED UNBRACED LENGTH (FR-TO)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORZ. LOAD (LC1)
FR-TO								
E-B		-61	0	0.0	0.13 (4)	7.81		
A-B		0	28	-91.8	-91.8	0.12 (1)	10.00	
B-C		-30	0	-91.8	-91.8	0.54 (1)	6.25	
E-D		0	0	-18.5	-18.5	0.13 (4)	10.00	

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. CG

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

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

155 % 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 DEFLECTION: L/360 (0.20")
CALCULATED VERT. DEFLECTION: L/999 (0.00")
ALLOWABLE DEFLECTION: L/360 (0.20")
CALCULATED VERT. DEFLECTION: L/999 (0.00")

CSI: TC=0.54 (1.00 (B-C:1) . BC=0.13 (1.00 (D-E:4) .
WB=0.00 (1.00 (1/2:01) . 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	SECTION
(PSB)	(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.

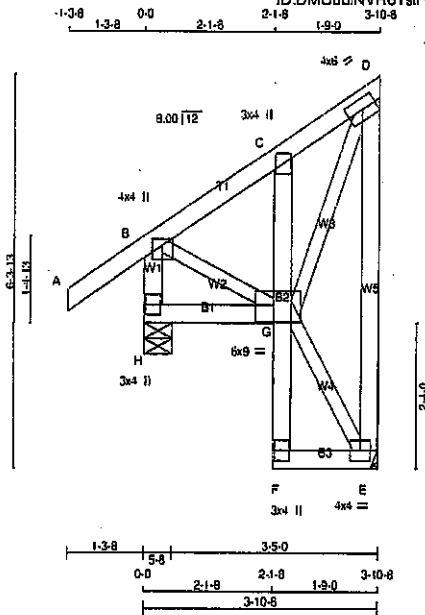
JSI GRIP = 0.19 (E) INPUT = 0.90 ;
JSI METAL = 0.13 (B) INPUT = 1.00 ;



Structural component only
DWG# T-2007598

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408222	J2S	4	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 ID:DMCubINVR6TstFoe31v6l_zns1l-uBTBW?8cHNgUpvVf5dpsEblhFOVoUrBWCFEIHZMFI



TOTAL WEIGHT = 4 X 31 = 125 lb [M]

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
H - B	2x4	DRY	No.2	SPF	
A - D	2x4	DRY	No.2	SPF	
H - G	2x4	DRY	No.2	SPF	
F - C	2x4	DRY	No.2	SPF	
F - E	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT	E - D	2x4	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	1.25	2.00
C	TMV+p	MT20	3.0	4.0		
D	TMVW-1	MT20	4.0	6.0	2.00	2.75
E	BMVW-1	MT20	4.0	4.0		
F	BMV+p	MT20	3.0	4.0		
G	BMVW-1	MT20	6.0	9.0	3.25	3.50
H	BMV1+p	MT20	3.0	4.0		

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT	REQD
JT	GROSS REACTION	GROSS REACTION	GROSS REACTION	BRG	BRG		
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
H	332	0	332	0	0	5-8	5-8
E	208	0	208	0	0	MECHANICAL	

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

UNFACTORED REACTIONS							
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
H	232	166	0	0	0	66	0
E	145	95	0	0	0	50	0

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

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS		FACTORED		MAX. FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	LC1 MAX	UNBRAC LENGTH	MEMB.	FORCE (LBS)	LC1 MAX	LC1 MAX
FR-TO		FROM	TO			FR-TO			
H-B	-311	0	0.0	0.0	0.03 (1)	7.81	B-G	0	97
A-B	0	35	-91.8	-91.8	0.14 (5)	10.00	E-D	-188	0
B-C	-96	0	-91.8	-91.8	0.05 (1)	6.25	G-E	-7	0
C-D	-105	0	-91.8	-91.8	0.05 (1)	6.25	G-D	0	204
H-G	0	0	-18.5	-18.5	0.03 (4)	10.00			
F-G	0	15	0.0	0.0	0.01 (1)	10.00			
G-C	-202	0	0.0	0.0	0.01 (1)	7.81			
F-E	0	4	-18.5	-18.5	0.01 (4)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

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=0.14/1.00 (A-B:5), BC=0.03/1.00 (G-H:4), WB=0.08/1.00 (D-E:1), SSI=0.09/1.00 (A-B:5)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

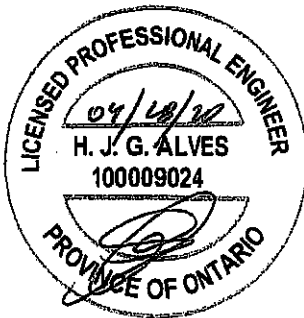
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT

NAIL VALUES
 PLATE GRIP (DRY) SHEAR SECTION (PSI) (PLI) (PLI)
 MAX MIN MAX MIN MAX MIN
 MT20 618 354 1667 788 1997 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.22 (B) INPUT = 0.90
 JSI METAL = 0.07 (C) INPUT = 1.00

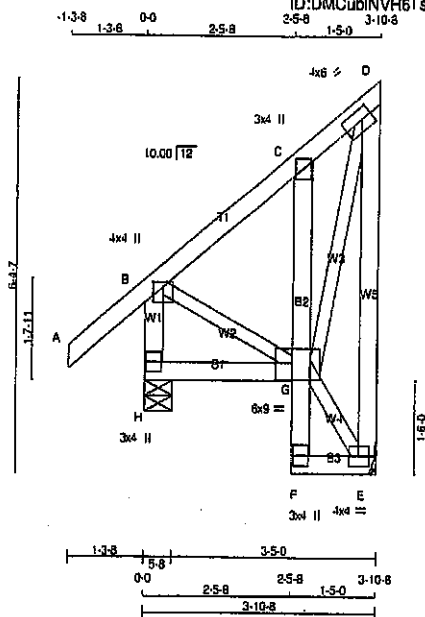


Structural component only
 DWG# T-2007599

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408223	J20S	2	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TMV+p	MT20	3.0	4.0		
D	TMVW+1	MT20	4.0	6.0	2.00	2.00
E	BMVW+1	MT20	4.0	4.0		
F	BMV+p	MT20	3.0	4.0		
G	BMVW+1	MT20	6.0	9.0	3.25	3.50
H	BMV+1	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	BRG	BRG
H	333	0	0	5-8
E	206	0	0	MECHANICAL

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
H	233	166	0	0	0	0	67	0
E	145	95	0	0	0	0	50	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED UNBRACED LENGTH (LC)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED UNBRACED LENGTH (LC)
H-B	-309	0	0.0	0.0 (1)	7.81	B-G	0	70
A-B	0	41	-91.8	-91.8 (1)	10.00	E-D	-185	0
B-C	-70	0	-91.8	-91.8 (1)	6.25	G-E	-13	0
C-D	-92	0	-91.8	-91.8 (1)	6.25	G-D	0	215
H-G	0	0	-18.5	-18.5 (1)	10.00			
F-G	0	12	0.0	0.0 (1)	10.00			
G-C	-216	0	0.0	0.0 (1)	7.81			
F-E	0	8	-18.5	-18.5 (1)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 2 X 33 = 66 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C.C.

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF 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 (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=0.14/1.00 (A-B-5), BC=0.04/1.00 (G-H-4), WB=0.08/1.00 (D-E-1), SS=0.09/1.00 (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.

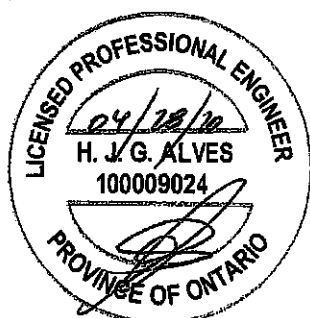
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PL)	(PL)
	MAX	MIN	MAX
MT20	618	354	1667
	768	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.24 (B) (INPUT = 0.90)
JSI METAL = 0.08 (C) (INPUT = 1.00)

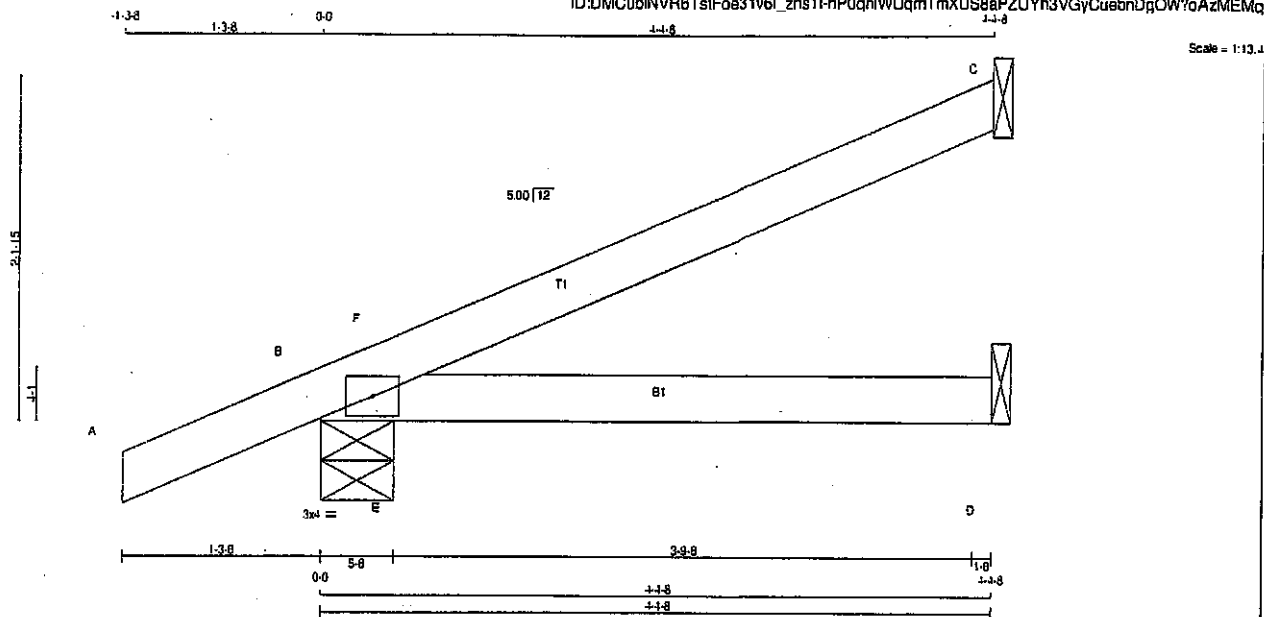


Structural component only
DWG# T-2007623

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408223	J21	4	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6l_zns11-hP0qnWUqmTmXUS8aPZUyH3VGyCuebnDqOW?oAzMEMQ



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

PLATES (table is in inches)	W	LEN	Y	X
JT TYPE	PLATES			
B TM81-1	MT20	3.0	4.0	

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
C	175	0	175	0	1-8	1-8
B	365	0	365	0	5-8	5-8
D	67	0	67	0	1-8	1-8

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

UNFACTORED REACTIONS

JT	1ST CASE COMBINED		MAX. MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	SNOW	LIVE	PERM. LIVE	WIND			
C	121	94	0	0	0	27	0
B	256	181	0	0	0	75	0
D	50	18	0	0	0	32	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LOAD LC1	MAX CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM	TO			FR-TO			
A-B	0 23	-91.8	-91.8	0.12 (1)	10.00	E-F	-235 7	0.00 (1)	
B-F	-17 13	-91.8	-91.8	0.04 (4)	6.25				
F-C	-1 2	-91.8	-91.8	0.23 (1)	10.00				
S-E	0 0	-18.5	-18.5	0.16 (1)	10.00				
E-D	0 0	-18.5	-18.5	0.16 (1)	10.00				

DESIGN CRITERIA

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

SPACING = 24.0 IN. G.C.

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

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

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

ALLOWABLE DEFL. (LL) = L/360 (0.19")
CALCULATED DEFL. (LL) = L/999 (0.02")
ALLOWABLE DEFL. (TL) = L/360 (0.19")
CALCULATED VERT. DEFL. (TL) = L/999 (0.05")

CSI: TC=0.33/1.00 (C-F:1), BC=0.16/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SS=0.19/1.00 (B-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

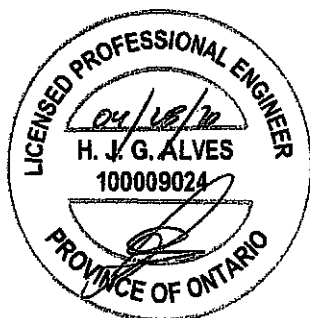
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

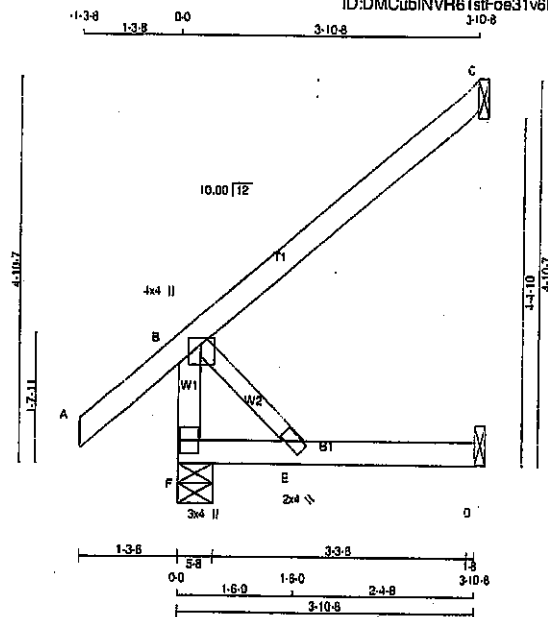
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.26 (S) (INPUT = 0.90)
JSI METAL = 0.07 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007624

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408223	J22	3	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Tue Apr 28 10:03:54 2020 Page 1					
ID:DMCubINVR6TstFoe31v6I zns11-AbaD eX6b3bd8e1K874j4ubgIMZPN21Nv2FYKczMEMp					
Scale = 1:27.0					



TOTAL WEIGHT = 3 X 15 = 45 lb

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

DESCR.
SPF
SPF
SPF

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	IN-SX
F	341	0	341	0	0	5-8	5-8	5-8
C	178	0	178	0	0	1-8	1-8	1-8
D	36	0	40	0	0	1-8	1-8	1-8

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

UNFACTORED REACTIONS

1ST LCASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	239	170 0	0 0	0 0	0 0	89 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		WEBS		FR-TO	LENGTH	FR-TO	LENGTH	FR-TO	LENGTH
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)						
F-B	-305	0	0.0	0.0	0.03	(1)	7.81	0	0	0.00
A-B	0	41	-91.8	-91.8	0.14	(5)	10.00	0	0	0.00
B-C	0	0	-91.8	-91.8	0.23	(1)	10.00	0	0	0.00
F-E	0	0	-18.5	-18.5	0.08	(4)	10.00	0	0	0.00
E-D	0	0	-18.5	-18.5	0.08	(4)	10.00	0	0	0.00

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. OC

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

THIS DESIGN COMPLIES WITH:

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

155 % 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), SS=0.11/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PL)	FLX (FLX)
MT20	519	354	1687
	788	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.24 (B) (INPUT = 0.80)
JSI METAL = 0.08 (B) (INPUT = 1.00)



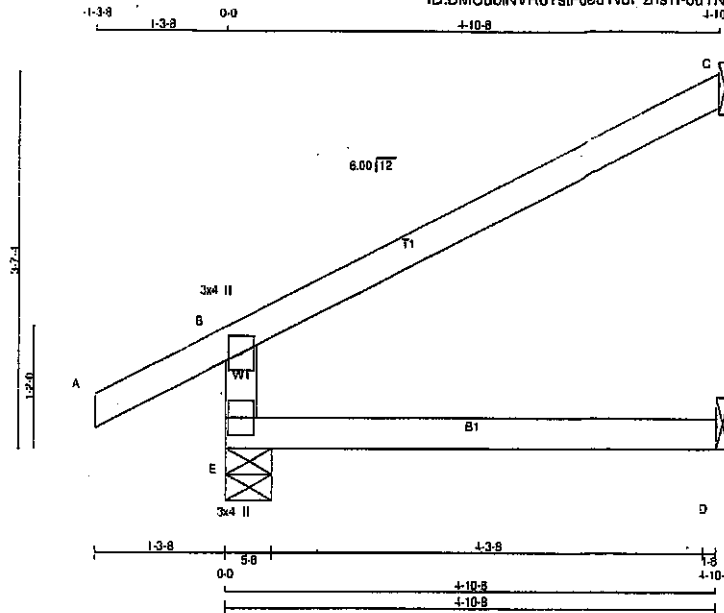
Structural component only
DWG# T-2007625

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408224	J40	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.310 5 Oct 29 2019 MTEK Industries, Inc. Tue Apr 28 10:19:52 2020 Page 1
ID:DMCubINVR6TstF0e31v6i zns11-6uTN2C71 PHh5sGSQJGMvwHM_XXOqKBNC5JFy4zME7r

Scale = 1:20.5



TOTAL WEIGHT = 2 X 14 = 28 lb

LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS	2x4	No.2	SPF
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	BMV+p	MT20	3.0	4.0	

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS REACTION	DOWN	GROSS REACTION	UP	BRG	IN-SX	BRG	IN-SX
E	456	0	456	0	0	5-8	5-8	5-8	5-8
C	188	0	188	0	0	1-8	1-8	1-8	1-8
D	38	0	42	0	0	1-8	1-8	1-8	1-8

SEE MTEK STANDARD DETAIL 697791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	320	225	0	0	0	0	95	0
C	116	94	0	0	0	0	22	0
D	30	0	0	0	0	0	30	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE	VERT.	LC1	MAX.	MEMB.	FORCE	MAX.
	(LBS)	(PLF)	CS1 (LC)	UNBRAC		(LBS)	CS1 (LC)
FR-TO		FROM	TO	LENGTH	FR-TO		
E-B	-404	0	0.0	0.08 (4)	7.81		
A-B	0	28	-91.8	-91.8	0.12 (1)	10.00	
B-C	-25	0	-91.8	-91.8	0.37 (1)	6.25	
E-D	0	0	-18.5	-18.5	0.09 (4)	10.00	

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. OC

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

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

156 % 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 (0.02")

CS1: TC=0.37 1.00 (B-C:1), 6C=0.09/1.00 (D-E:4),
WB=0.00/1.00 (max:0), SS=0.20/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.17 (E) (INPUT = 0.90)
JSI METAL = 0.11 (B) (INPUT = 1.00)



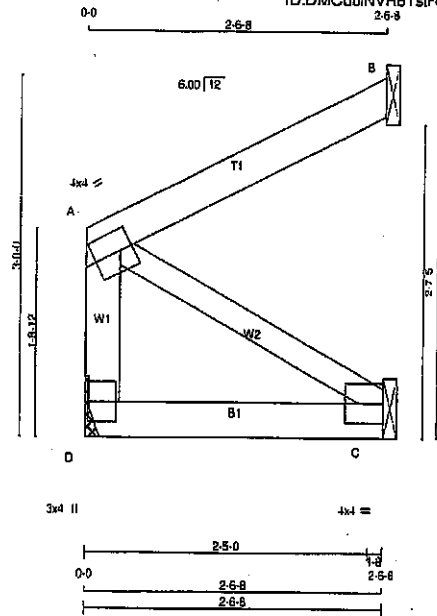
Structural component only
DWG# T-2007657

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	J41	5	1	GREEN PARK HOMES	
				TRUSS DESC.	

Tamarack Pool Truss, Burlington

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ID:DMCubINVR6TstFoe31v6I zns11-3Hb7Tu8HW1XPKAQKkLq_LMmLEmiEhgfPoM1zzME7p

Scale = 1:17.6



TOTAL WEIGHT = 5 X 10 = 49 lb [M/F]

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

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
A	TMVW-t	MT20	4.0	4.0 2.00 1.25
C	BMV1-t	MT20	4.0	4.0 2.00 Edge
D	BMV1-p	MT20	3.0	4.0

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

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	RECORD
JT	GROSS REACTION	GROSS REACTION	DOWN	UP	BRG
D	139	0	139	0	MECHANICAL
B	117	0	117	0	1-8
C	23	0	25	0	1-8

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

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
D	98	65	0	0.0	0.0	0.0	33	0.0
B	80	65	0	0.0	0.0	0.0	15	0.0
C	18	0	0	0.0	0.0	0.0	18	0.0

BRACING

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
D-A	-117	0	0.0
A-B	0	0	-91.8
D-C	0	0	-18.5

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 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. (TL) = L/360 (0.19")
CALCULATED VERT. DEFL. (TL) = L/998 (0.00")

CSI: TC=0.10/1.00 (A-B:1) . BC=0.03/1.00 (C-D:4) .
WB=0.00/1.00 (A-C:1) . SS=0.08/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION (PSI) (PLI) (PLJ)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1967 1656

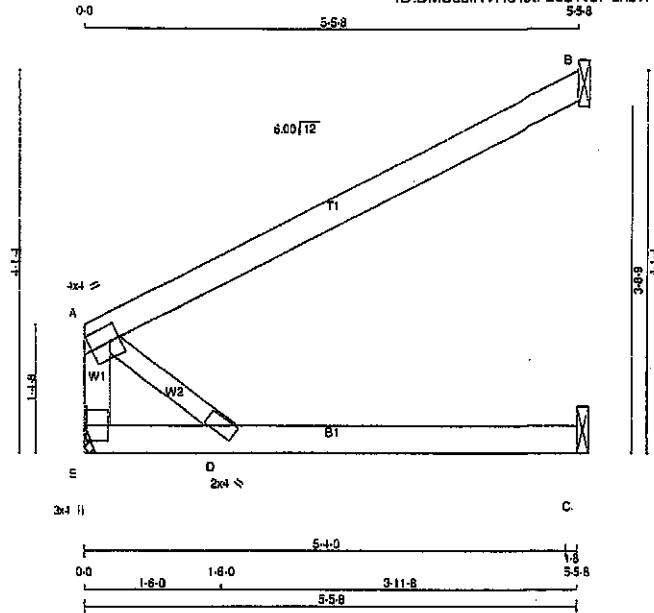
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.07 (A) (INPUT = 0.90)
JSI METAL= 0.02 (A) (INPUT = 1.00)



Structural component only
DWG# T-2007658



Scale = 1/22.5

LUMBER

N. L. G. A. RULES

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

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMW-1	MT20	4.0	4.0	2.00	1.25
D	BMV+w	MT20	2.0	4.0		
E	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REGRD BRG	
	VERT	HORZ	DOWN	HORZ	IN-SX	IN-SX	IN-SX	IN-SX
E	301	0	301	0	0	0	1-8	1-8
B	250	0	250	0	0	0	1-8	1-8
C	50	0	57	0	0	0	1-8	1-8

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

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

UNFACTORED REACTIONS							
JT	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	213	140 0	0 0	0 0	0 0	73 0	0 0
B	172	140 0	0 0	0 0	0 0	33 0	0 0
C	40	0 0	0 0	0 0	0 0	40 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)

MEMB.	CHORDS				WEBS			
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MEMB. MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)
FR-TO								
E-A	-250	0	0.0	0.0	0.03 (1)	7.81	A-D	0.0
A-B	0	0	-91.8	-91.8	0.46 (1)	10.00		
E-D	0	0	-18.5	-18.5	0.13 (4)	10.00		
D-C	0	0	-18.5	-18.5	0.16 (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, 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 25.6 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 (0.04")

CSI: TC=0.46 (A-B:1), BC=0.16 (C-D:4), WB=0.00 (A-D:1), SS=0.17 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE	GRIP (DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)	(PL)
MT20	618	354	1667 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

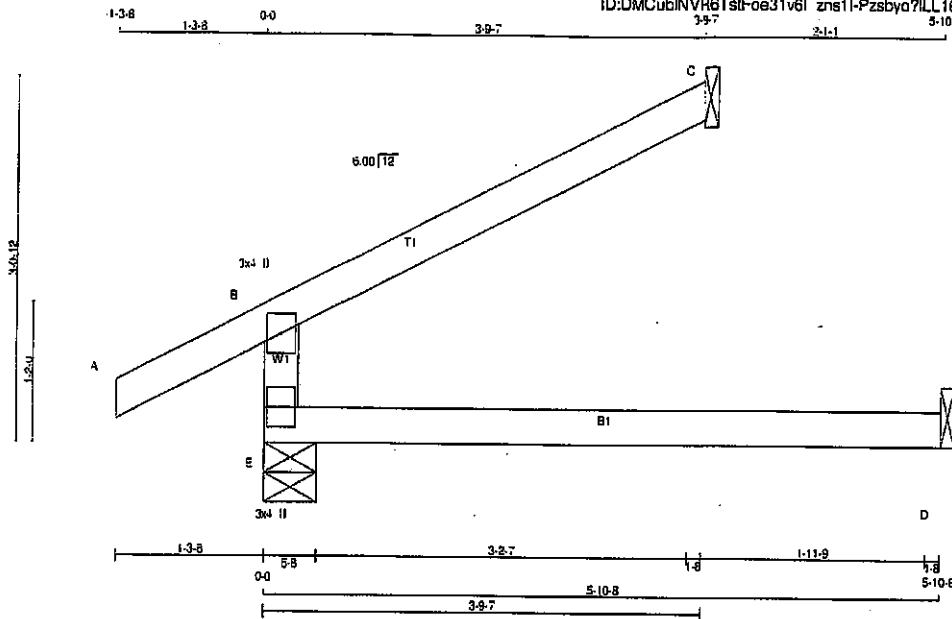
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.15 (A) (INPUT = 0.90)
 JSI METAL = 0.04 (A) (INPUT = 1.00)



Structural component only
 DWG# T-2007659

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	C40	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Tue Apr 28 10:19:42 2020 Page 1					
ID:DMCubINVR6TstFoe31v6l zns1l-Pzsbvd7ILL18uKVXgD50VpshpV5QuojwXujdfzME8?					
Scale = 1:17.5					



TOTAL WEIGHT = 2 X 14 = 28 lb

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

DRY: SEASONED LUMBER.

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

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

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

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

UNFACTORED REACTIONS

1ST LCASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SO
E	280	190 0	0 0	0 0	0 0	95 0	0
C	90	73 0	0 0	0 0	0 0	17 0	0
D	38	0 0	0 0	0 0	0 0	36 0	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED LENGTH FR-TO
FR-TO				
E-B	-342	0	0.0	0.13 (4)
A-B	0	28	-91.8	0.12 (1)
B-C	-19	0	-91.8	0.22 (1)
E-D	0	0	-18.5	0.13 (4)

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

155 % 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=0.22/1.00 (B-C:1), BC=0.13/1.00 (D-E:4), WB=0.00/1.00 (max:0), SSI=0.15/1.00 (B-C:1)

DCL LUMBER=1.00 NAIL=1.00 LS BEVD=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)	
MT20	618	354	1887 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

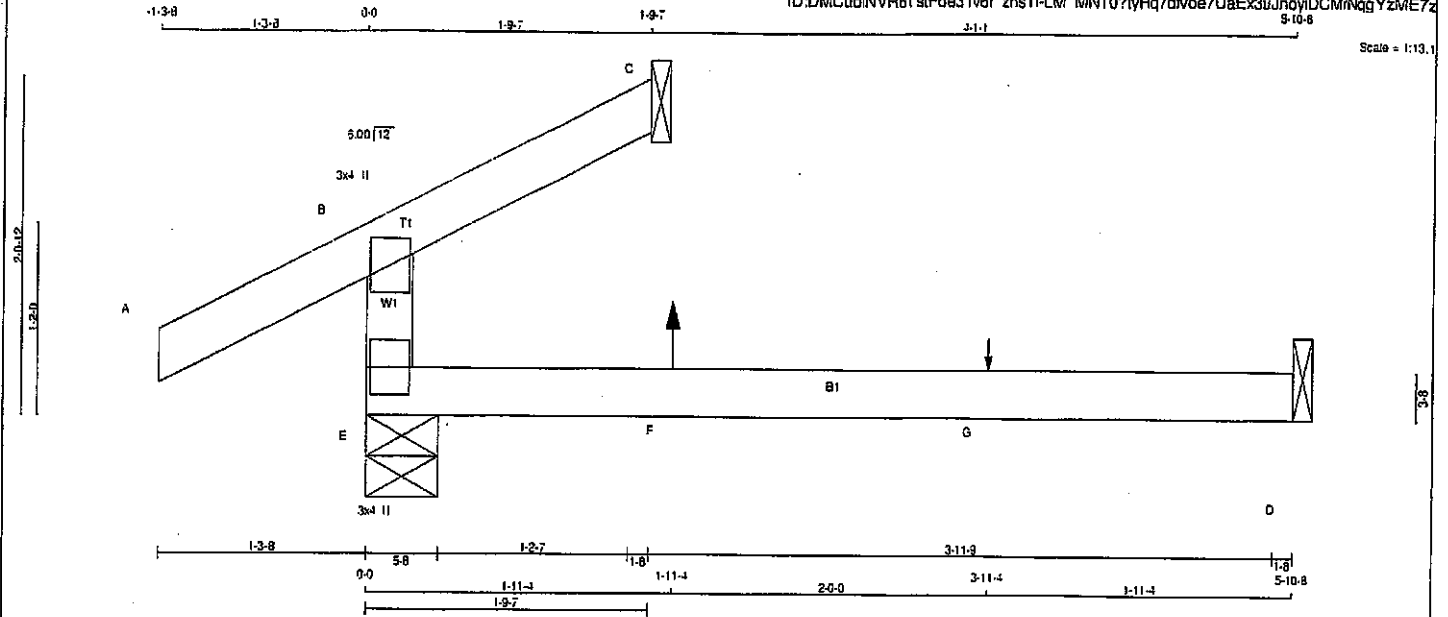
JSI GRIP = 0.14 (E) INPUT = 0.90
JSI METAL = 0.09 (B) INPUT = 1.00



Structural component only
DWG# T-2007648

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	C41	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 ID:DMCubINVR6tstFoe31v6l zns11-LM MNT0?yHq7dfvoe7UaEx3uunoyiDCMnNgYzME7z
 S-10-8



TOTAL WEIGHT = 2 X 12 = 23 lb

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
B	TMV+p	MT20	3.0	4.0
E	BMV1+p	MT20	3.0	4.0

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	IN-SX
E	284	0	0	284	0	0	0	5-8	5-8
C	63	0	0	63	0	0	0	1-8	1-8
D	44	0	0	52	0	0	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		SNOW		LIVE		PERM. LIVE		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	SNOW	LIVE	PERM. LIVE	WIND
E	200	137	0	0	0	0	0	0	0	0	0	62	0	0	0	0	0
C	46	21	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0
D	35	0	3	0	0	0	0	0	0	0	0	37	0	0	0	0	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (7)

CHORDS		FACTORED		W E B S		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1	MAX	MAX.	MEMB.	FORCE (LBS)
FR-TO		FROM	TO	LENGTH	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.

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

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

155 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

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

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

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

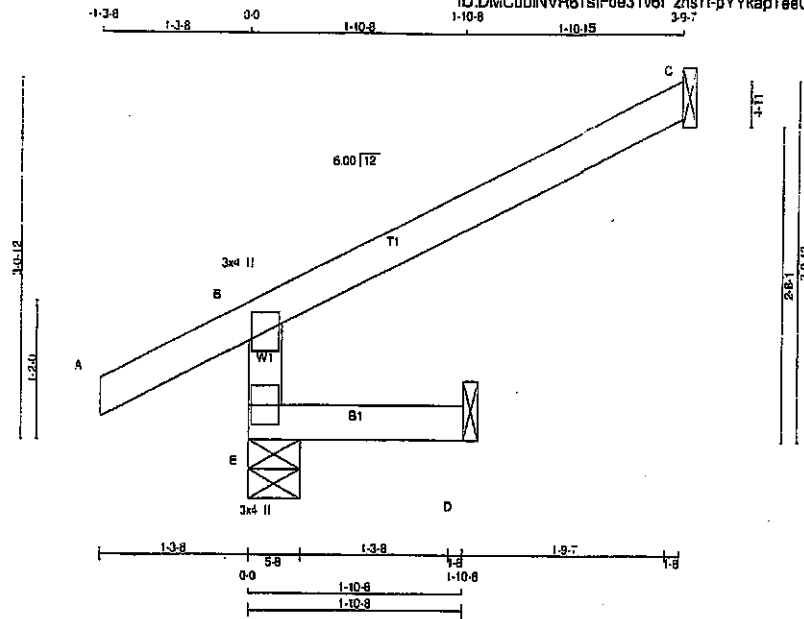
JSI GRIP = 0.10 (E) INPUT = 0.90
 JSI METAL = 0.06 (B) INPUT = 1.00



Structural component only
 DWG# T-2007649

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	C42	3	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:DMCubINVR6TsIFoe31v6I zns11-pYYkapfseGPhnE6LLej7RUC2j9wh9SMbV7NC zME7y



Scale = 1/16"

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

DRY, SEASONED LUMBER.

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	BRG	IN-SX	BRG	IN-SX
E	381	0	361	0	0	5-8	5-8		
C	130	0	130	0	0	1-8	1-8		
D	18	0	17	0	0	1-8	1-8		

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS		MAX. FACTORED		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE	VERT.	LOAD	LC1	MAX	MEMB.	FORCE	MAX	MAX
	(LBS)		(PLF)	CSI (LC)	UNBRAC		(LBS)	CSI (LC)	
FR-TO			FROM	TO	LENGTH	FR-TO			
E-B	-342	0	0.0	0.0	0.01 (4)	7.81			
A-B	0	28	-91.8	-91.8	0.13 (5)	10.00			
B-C	-19	0	-91.8	-91.8	0.22 (1)	6.25			
E-D	0	0	-18.5	-18.5	0.02 (4)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 3 X 10 = 29 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.6 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

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

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

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

CSI: TC=0.22(1.00) (B-C:1), BC=0.02(1.00) (D-E:1),
WB=0.00(1.00) (max: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.

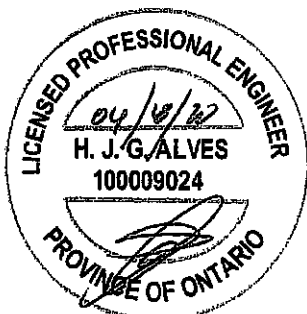
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.14 (E) (INPUT = 0.80)
JSI METAL = 0.09 (B) (INPUT = 1.00)

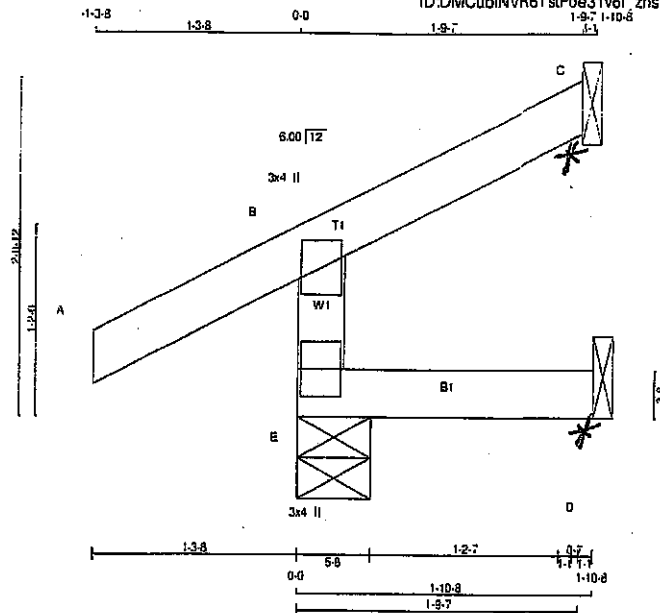


Structural component only
DWG# T-2007650

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408224	C43	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6l_zns11-lk66a92GPaxYNxplv39yff1QQ6VqQcVq9sxlRzME7x



Scale = 1/13.1

LUMBER	N. L. G. A. RULES	SIZE	LUMBER
CHORDS			
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)	W	LEN	Y	X
JT TYPE				
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	REQRD	
GROSS REACTION		GROSS REACTION			BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	
E	271	0	271	0	0	5-8	
C	45	0	45	0	-23	1-8	
D	8	0	17	0	-2	1-8	

SEE MITEK STANDARD DETAIL 697791H FOR CONNECTION TO JOINT(S) C, D

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

UNFACTORED REACTIONS							
	1ST LCASE	MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	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				WEBS			
MEMB.	MAX. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	MEMB.	MAX. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CSI (LC)
FR-TO		FROM	TO	FR-TO		FROM	TO
E-B	-244	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 = 3 X 7 = 21 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

155 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.12/1.00 (A-B:1), EC=0.04/1.00 (D-E:5).
WB=0.00/1.00 (m/a:0), SSI=0.09/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

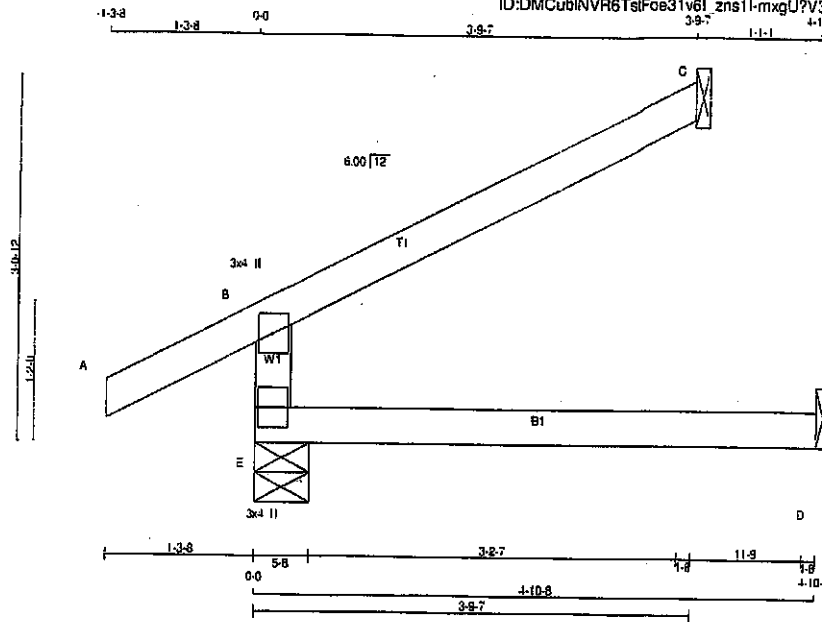
JSI GRIP = 0.10 (E) (INPUT = 0.90)
JSI METAL = 0.07 (S) (INPUT = 1.00)



Structural component only
DWG# T-2007651

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	C44	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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TOTAL WEIGHT = 2 X 13 = 26 lb

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	HORZ	DOWN	UPLIFT
E	394	0	394	0
C	130	0	130	0
D	38	0	42	0

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

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS							
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	
E	277	190	0	0	0	87	0	0
C	90	73	0	0	0	17	0	0
D	30	0	0	0	0	30	0	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS			WEBS		
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO		FROM TO	FR-TO		
E-B	-342	0.0	E-B	7.61	
A-B	0	-91.8	A-B	10.00	
B-C	-19	-91.8	B-C	6.25	
E-D	0	-18.5	E-D	10.00	

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

155 % 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 (0.02")

CSI: TC=0.22:1.00 (B-C:1), BC=0.09:1.00 (D-E:1), WB=0.00:1.00 (m-a:0), 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

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE GRIP (DRY)	SHEAR	SECTION
(PLI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	518 354	1967 798

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

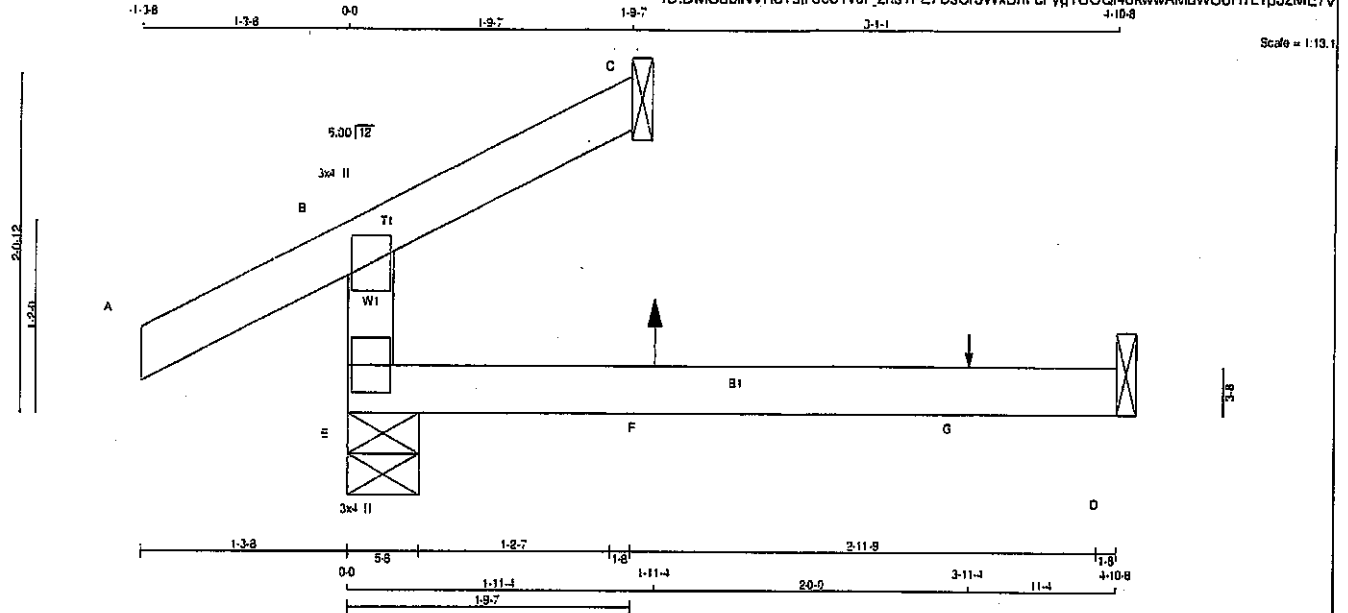
JSI GRIP = 0.14 (E) (INPUT = 0.90)
JSI METAL = 0.09 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007652

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	C45	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:DMCubINVR6TsIFoe31v6f_zns11-E7DsC/3WxBrFq1UCQI46kwwAMuWCoHTL1pJzME7v



TOTAL WEIGHT = 2 X 10 = 21 lb
(M)

LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
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	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	282	282	5-8
C	55	55	1-8
D	35	44	1-8

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

UNFACTORED REACTIONS							
JT	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	198	137	0	0	0	61	0
C	39	21	0	0	0	18	0
D	29	0	4	0	0	31	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: (7)

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			
E-B	-235	0	0.0	0.07 (4)	7.81		
A-B	0	28	-91.8	-91.8	0.12 (1)	10.00	
B-C	-13	5	-91.8	-91.8	0.07 (5)	6.25	
E-F	0	0	-18.5	-18.5	0.10 (4)	10.00	
F-G	0	0	-18.5	-18.5	0.10 (4)	10.00	
G-D	0	0	-18.5	-18.5	0.10 (4)	10.00	

FACTORED CONCENTRATED LOADS (LBS)							
JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE
F	1-11-4	7	1	12	BACK	VERT	TOTAL
G	3-11-4	1	1	--	BACK	VERT	TOTAL

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

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

SPACING = 24.0 IN. 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, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-08, CSA 085-14
- TPIC 2011, TPIC 2014

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

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. 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 (0.02")

CSI: TC=0.12/1.00 (A-B:1), BC=0.10/1.00 (D-E:4), WB=0.00/1.00 (in: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

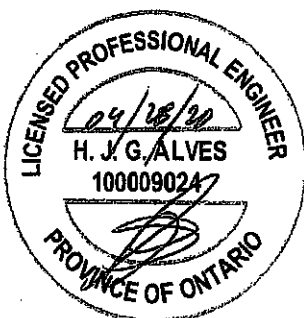
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 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= 0.07 (B) INPUT = 1.00



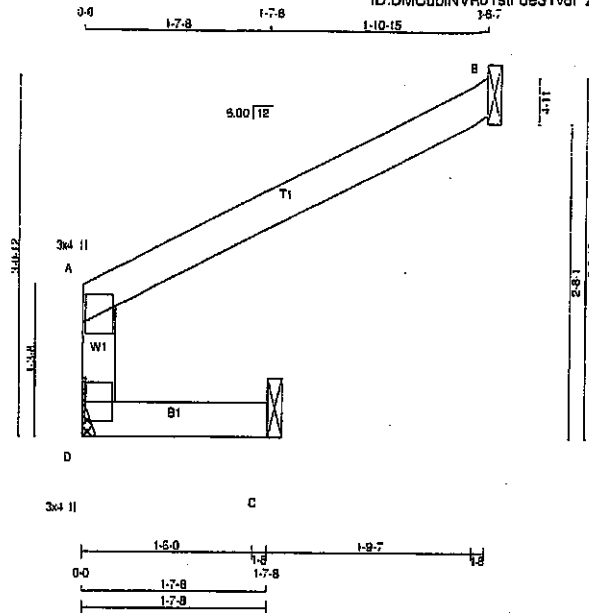
Structural component only
DWG# T-2007653

JOB NAME 408224	TRUSS NAME C46	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6I zns1f-HuEQB48hUv6EPXlaBjIHfuKVKVjdZSxW75bLizME7u

Scale = 1:18.2



TOTAL WEIGHT = 7 lb
[M/F]

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

DRY: SEASONED LUMBER.

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	HORZ	BRG	IN-SX	BRG	IN-SX
D	155	0	155	0	0	MECHANICAL			
B	144	0	144	0	0	1-8	1-8		
C	55	0	55	0	0	1-8	1-8		

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

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS							
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL		
D	109	78 0	0 0	0 0	0 0	31 0	0 0		
B	99	80 0	0 0	0 0	0 0	19 0	0 0		
C	40	23 0	0 0	0 0	0 0	17 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		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX (PLF)	MEMB.	FORCE (LBS)	MAX. UNBRACED LENGTH	FR-TO
D-A	-181 0	0.0	0.0 0.08 (1)			7.81	
A-B	-8 0	-91.8	-91.8 0.14 (1)			10.00	
D-C	0 0	-19.5	-18.5 0.09 (1)			10.00	

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

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

155 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.14/1.00 (A-B:1), BC=0.09/1.00 (C-D:1), WB=0.00/1.00 (max:0), SSI=0.13/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 758 1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.08 (D) (INPUT = 0.50)
JSI METAL = 0.05 (A) (INPUT = 1.00)



Structural component only
DWG# T-2007654

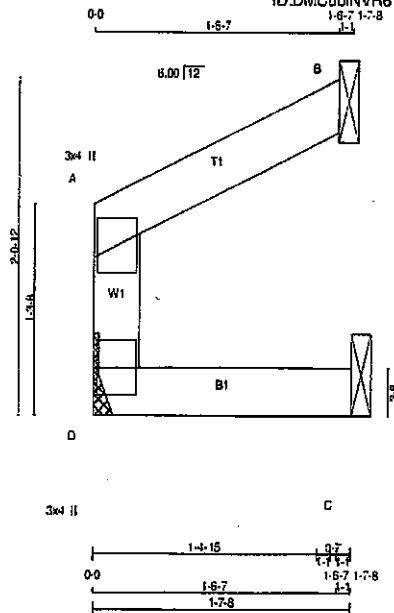
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408224	C47	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

ID:DMCubINVR6TsiFoe31v6I zns11-AWLddX5mSo1zrY638uEuqVB5sk57MQI5knq8uCzME7t

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Scale = 1:13.1



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

DRY, SEASONED LUMBER.

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
A	TMV-p	MT20	3.0	4.0
D	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	VERT	GROSS REACTION	DOWN	BRG	BRG	IN-SX	IN-SX
D	88	0	88	0	0	MECHANICAL	
B	87	0	87	0	0	1-8	1-8
C	19	0	19	0	0	1-8	1-8

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

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

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	MAX. MIN. COMPONENT REACTIONS	LIVE	PERM. LIVE	WIND	DEAD	SOIL
D	61	39	0	0	0	0	21	0
B	46	37	0	0	0	0	9	0
C	14	2	0	0	0	0	12	0

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)
FR-TO		FROM	TO
D-A	-74	0	0.0 0.01 (1)
A-B	-2	0	-91.8 -91.8 0.03 (1)
D-C	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. OC

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-08, CSA 086-14
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(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=0.03;1.00 (A-B:1), BC=0.01;1.00 (C-D:4), WB=0.00;1.00 (in/a:3), SSI=0.05;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.

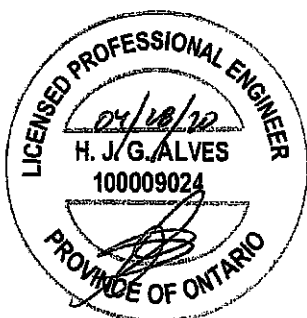
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.03 (D) (INPUT = 0.90)
JSI METAL = 0.02 (A) (INPUT = 1.00)



Structural component only
DWG# T-2007655