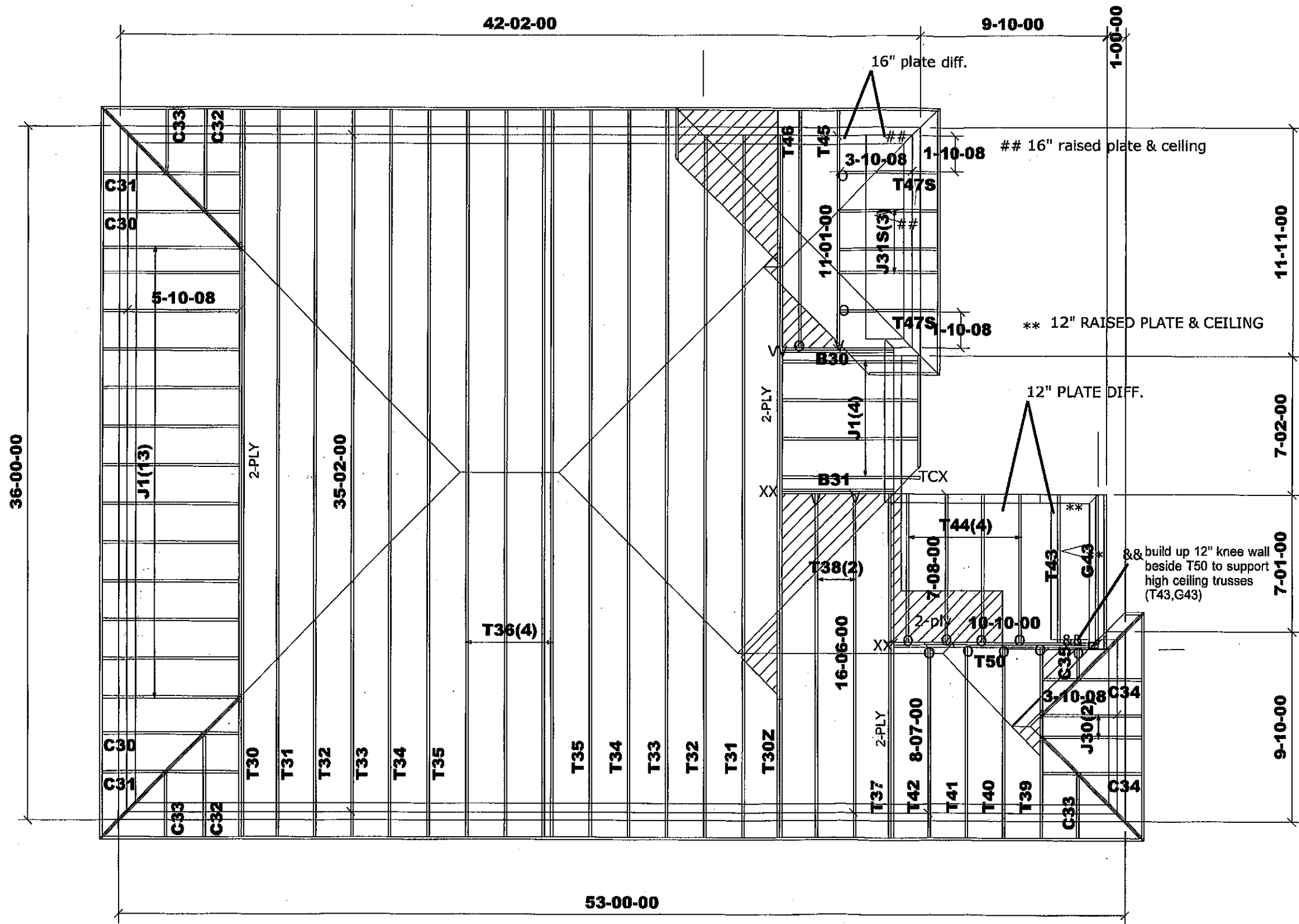


6/12 roof pitch unless noted



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

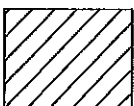
All conventional framing to conform with Part 9 of O.B.C. 2012 (2019 amendment). Roof rafters that cross over or meet trusses to be min. 2x4 SPF #2 @ 24" o/c with a vertical post to the truss at each cross point. Vertical posts longer than 6' to have lateral bracing so that the distance between the post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

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

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

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

BEAMS:
B30 =B31=
2 - 2x10 SPF #2

 DENOTES:
CONVENTIONAL
FRAMING

M13124



Job Track: 51225
Plan Log: 202395
Layout ID: 408133

Builder / Location:
GREEN PARK HOMES / WATERDOWN
Project: **RUSSELL GARDENS PH.3**
Date: 2020-04-27 Sales: Mario DiCaro Designer: JG

Model / Elevation:
MOUNTAINASH 3/3- STD OR OPT.5 BR

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.

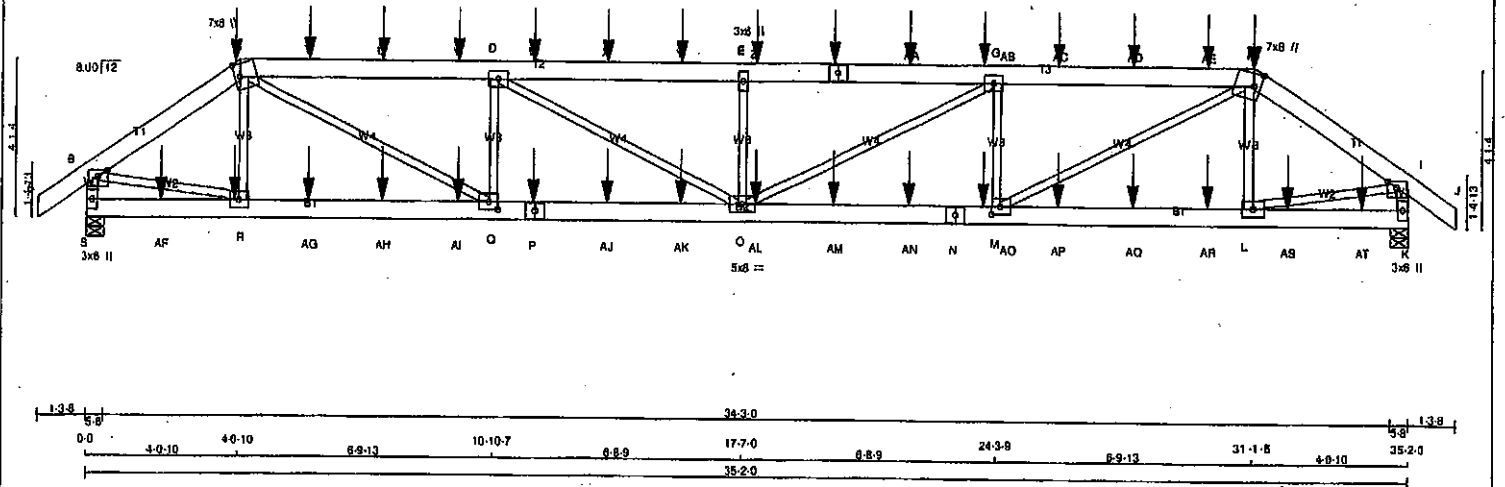
Mfrk ver 8.3.1.215

LOT 245

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
408131	T1	1	2	GREEN PARK HOMES		

Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Sat Apr 26 10:07:23 2020 Page 1
ID:DMCubINVR6TstFos31v6l_zns11-q_qwSdDBL4SOFGEKdugMrxTwqWCorQSA0fI0idzNDby
Scale = 1:37.5



LUMBER				N. L. G. A. RULES			
CHORDS	SIZE	DRY	LUMBER	DESCR.	SPF	FACTORED	GROSS REACTION
A - C	2x8	DRY	No.2	SPF	FACTORED	GROSS REACTION	MAXIMUM FACTORED
C - F	2x8	DRY	No.2	SPF	GROSS REACTION	MAXIMUM FACTORED	INPUT
F - H	2x8	DRY	No.2	SPF	MAXIMUM FACTORED	INPUT	REQD
H - J	2x8	DRY	No.2	SPF	INPUT	REQD	BRG
S - B	2x4	DRY	No.2	SPF	BRG	IN-SX	IN-SX
K - I	2x4	DRY	No.2	SPF	IN-SX	IN-SX	IN-SX
S - P	2x6	DRY	No.2	SPF	IN-SX	IN-SX	IN-SX
P - N	2x8	DRY	No.2	SPF	IN-SX	IN-SX	IN-SX
N - K	2x8	DRY	No.2	SPF	IN-SX	IN-SX	IN-SX

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-C 2	12	SIDE(122.0)
C-F 2	12	SIDE(61.0)
F-H 2	12	SIDE(61.0)
H-J 2	12	SIDE(122.0)
S-B 1	12	TOP
K-I 1	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	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									
JT	VERT	HORIZ	DOWN	HORIZ	UPLIFT	IN-SX	IN-SX	IN-SX	IN-SX
S	3397	0	3397	0	0	5-8	5-8	5-8	5-8
K	3346	0	3346	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS									
1ST CASE MAX/MIN COMPONENT REACTIONS									
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	SOIL	SOIL
S	2400	1598 / 0	0 / 0	0 / 0	0 / 0	812 / 0	0 / 0	0 / 0	0 / 0
K	2366	1557 / 0	0 / 0	0 / 0	0 / 0	809 / 0	0 / 0	0 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.02 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. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.
FR-TO		FROM TO			FR-TO				
A-B	0 / 36	-91.8	-91.8 0.04 (1)	10.00	R-C	-518 / 0	0.08 (1)		
B-C	-4152 / 0	-91.8	-91.8 0.09 (1)	5.52	C-Q	0 / 3920	0.49 (1)		
C-T	-6892 / 0	-91.8	-91.8 0.33 (1)	4.29	Q-D	-1849 / 0	0.20 (1)		
T-U	-6892 / 0	-91.8	-91.8 0.33 (1)	4.29	D-O	0 / 1172	0.15 (1)		
U-V	-6892 / 0	-91.8	-91.8 0.33 (1)	4.29	O-E	-916 / 0	0.11 (1)		
V-D	-6892 / 0	-91.8	-91.8 0.33 (1)	4.29	O-G	0 / 1203	0.15 (1)		
D-W	-7922 / 0	-91.8	-91.8 0.36 (1)	4.02	M-G	-1670 / 0	0.20 (1)		
W-X	-7922 / 0	-91.8	-91.8 0.36 (1)	4.02	M-H	0 / 3963	0.49 (1)		
X-Y	-7922 / 0	-91.8	-91.8 0.36 (1)	4.02	L-H	-501 / 0	0.08 (1)		
Y-E	-7922 / 0	-91.8	-91.8 0.36 (1)	4.02	B-R	0 / 3525	0.44 (1)		
E-Z	-7922 / 0	-91.8	-91.8 0.36 (1)	4.02	L-I	0 / 3457	0.43 (1)		
Z-F	-7922 / 0	-91.8	-91.8 0.36 (1)	4.02					
F-AA	-7922 / 0	-91.8	-91.8 0.36 (1)	4.02					
AA-AB	-7922 / 0	-91.8	-91.8 0.36 (1)	4.02					
AB-G	-7922 / 0	-91.8	-91.8 0.36 (1)	4.02					
G-AC	-6865 / 0	-91.8	-91.8 0.33 (1)	4.30					
AC-AD	-6865 / 0	-91.8	-91.8 0.33 (1)	4.30					
AD-AE	-6865 / 0	-91.8	-91.8 0.33 (1)	4.30					
AE-H	-6865 / 0	-91.8	-91.8 0.33 (1)	4.30					
H-I	-4072 / 0	-91.8	-91.8 0.09 (1)	5.58					
I-J	0 / 36	-91.8	-91.8 0.04 (1)	10.00					
S-B	-3376 / 0	0.0	0.0 0.19 (1)	6.35					
K-I	-3317 / 0	0.0	0.0 0.18 (1)	6.39					

S-AF	0 / 0	-18.5	-18.5 0.08 (4)	10.00
AF-R	0 / 0	-18.5	-18.5 0.08 (4)	10.00
R-AG	0 / 3431	-18.5	-18.5 0.27 (1)	10.00
AG-AH	0 / 3431	-18.5	-18.5 0.27 (1)	10.00
AH-AI	0 / 3431	-18.5	-18.5 0.27 (1)	10.00
AI-Q	0 / 3431	-18.5	-18.5 0.27 (1)	10.00
Q-P	0 / 6893	-18.5	-18.5 0.52 (1)	10.00
P-AJ	0 / 6893	-18.5	-18.5 0.52 (1)	10.00
AJ-AK	0 / 6893	-18.5	-18.5 0.52 (1)	10.00
AK-O	0 / 6893	-18.5	-18.5 0.52 (1)	10.00
O-AL	0 / 6865	-18.5	-18.5 0.51 (1)	10.00
AL-AM	0 / 6865	-18.5	-18.5 0.51 (1)	10.00
AM-AN	0 / 6865	-18.5	-18.5 0.51 (1)	10.00
AN-N	0 / 6865	-18.5	-18.5 0.51 (1)	10.00
N-AO	0 / 6865	-18.5	-18.5 0.51 (1)	10.00
AO-M	0 / 6865	-18.5	-18.5 0.51 (1)	10.00
M-AP	0 / 3365	-18.5	-18.5 0.27 (1)	10.00
AP-AQ	0 / 3365	-18.5	-18.5 0.27 (1)	10.00
AQ-AR	0 / 3365	-18.5	-18.5 0.27 (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	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 0.60/12

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, NBC 2012, ABC 2019
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014
(55 % OF 31 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/989 (0.38")

CSI: TC=0.38/1.00 (D-E:1), BC=0.52/1.00 (O-Q:1), WB=0.49/1.00 (H-M:1), SS=0.20/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES			
PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)	
MAX MIN	MAX MIN	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 (M) INPUT = 0.90
JSI METAL = 0.63 (N) INPUT = 1.00

Structural component only
DWG# T-2007017 1/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408131	T1	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:DMCubINVR6TstFos31v6l zns1-q qwSdD8L4SQFGEKdu6MrxTwqWCorQSA0IIQldzNDpY

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	Edge	
C	TTWW-m	MT20	7.0	8.0	4.00	1.75
D	TMWW-l	MT20	5.0	6.0		
E	TMVW-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	7.0	8.0	4.00	1.75
I	TMVW-p	MT20	5.0	6.0	Edge	
K	BMV1-p	MT20	3.0	6.0		
L	BMWW-l	MT20	5.0	6.0		
M	BMWW-l	MT20	5.0	6.0	2.50	2.75
N	BS-l	MT20	5.0	6.0		
O	BMWWW-l	MT20	5.0	6.0		
P	BS-l	MT20	5.0	6.0		
Q	BMWW-l	MT20	5.0	6.0	2.50	2.75
R	BMWW-l	MT20	5.0	6.0		
S	BMV1-p	MT20	3.0	6.0		

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

LOADING

TOTAL LOAD CASES: (4)

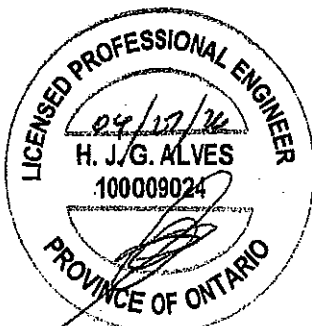
CHORDS				WEBS			
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX CSII(LC)	MAX. UNBRAC LENGTH	MEMB.	FORCE (LBS)	MAX CSII(LC)
FR-TO		FROM TO			FR-TO		
AR-L	0 - 3365	-18.5	-18.5	0.27 (1)	10.00		
L-AS	0 0	-18.5	-18.5	0.07 (4)	10.00		
AS-AT	0 0	-18.5	-18.5	0.07 (4)	10.00		
AT-K	0 0	-18.5	-18.5	0.07 (4)	10.00		

FACTORED CONCENTRATED LOADS (LBS)

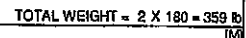
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	4-0-10	-49	-55	---	FRONT	VERT	DEAD	---	C1
C	4-0-10	-117	-117	---	BACK	VERT	TOTAL	---	C1
C	4-0-10	-254	-254	---	FRONT	VERT	SNOW	---	C1
F	19-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
H	31-1-6	-49	-55	---	FRONT	VERT	DEAD	---	C1
H	31-1-6	-254	-254	---	FRONT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

CONNECTION REQUIREMENTS

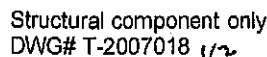
1) C1: A SUITABLE HANGER MECHANICAL CONNECTION IS REQUIRED.



Structural component only
DWG# T-2007017



JSI GRIP= 0.89 (O) (INPUT = 0.90)
JSI METAL= 0.86 (N) (INPUT = 1.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408131	T1Z	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

Version 8.310 S Oct 29 2019 MTek Industries, Inc. Sat Apr 25 10:07:24 2020 Page 2
ID:DMCubINVR6TslFoe31v6I zns1I-JAOJfzDm8NaHICpWBbdbO804PwSjap6JFJ2xE3zNDobX

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	8.0	9.0	3.75	2.00
D	TMWW-t	MT20	5.0	6.0		
E	TMW+u	MT20	3.0	6.0		
F	TS-t	MT20	5.0	6.0		
G	TMWW-t	MT20	5.0	6.0		
H	TTWW+m	MT20	8.0	9.0	3.75	2.00
I	TMVW-p	MT20	5.0	6.0	1.75	2.75
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-t	MT20	5.0	6.0	2.50	2.75
M	BMWW-t	MT20	5.0	6.0	2.50	3.50
N	BS-t	MT20	5.0	6.0		
O	BMWWW-t	MT20	5.0	6.0		
P	BS-t	MT20	5.0	6.0		
Q	BMWW-t	MT20	5.0	6.0	2.50	3.50
R	BMWW-t	MT20	5.0	6.0	2.50	2.75
S	BMV1+p	MT20	3.0	6.0		

CONNECTION REQUIREMENTS

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

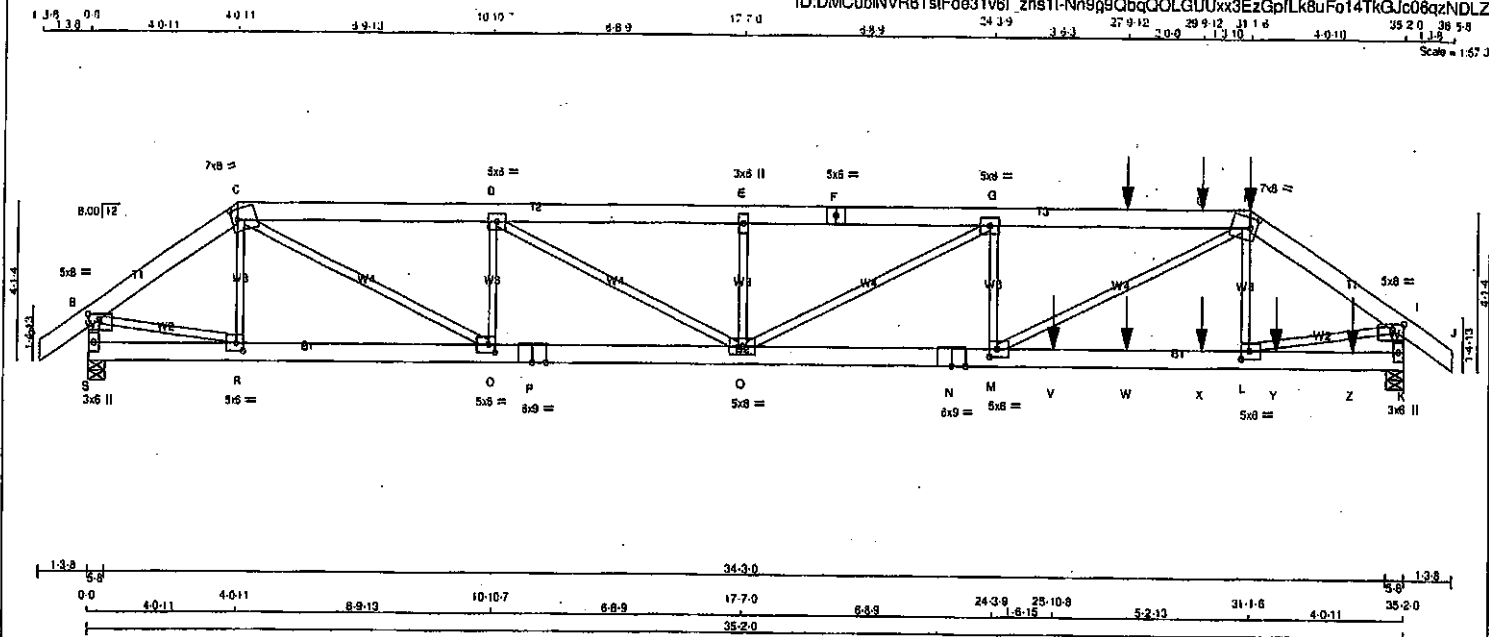


Structural component only
DWG# T-2007018 3/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408132	T1Z2	1	2	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Sat Apr 25 10:24:28 2020 Page 1
ID:DMCubINVR6TsiFoe31v6I_zns1I-Nn9p9QbqGOLGUUxx3EzGpLK8uFo14TkGJc08qzNDLZ



CHORDS	SIZE	DRY	LUMBER	DESCR.
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	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
S - P	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
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	TOP
C - F 2	12	TOP
F - H 2	12	SIDE(81.0)
H - J 2	12	SIDE(122.0)
S - B 1	12	TOP
K - I 1	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
S - P 2	12	TOP
P - N 2	12	TOP
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		REQRD	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	BRG	IN-SX	BRG
S	2892	0	2892	0	0	5-8	5-8	5-8	5-8
K	4101	0	4101	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS		1ST LCASE		MAX/MIN COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND
S	1900	1271 / 0	0 / 0	0 / 0	0 / 0
K	2893	1938 / 0	0 / 0	0 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.87 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	MEMB.	FORCE (LBS)	VERT. LOAD (PLF)
FR-TO	FROM	TO	TO
A-B	0 / 38	-91.8	-91.8
B-C	-3201 / 0	-91.8	-91.8
C-D	-5955 / 0	-91.8	-91.8
D-E	-7669 / 0	-91.8	-91.8
E-F	-7669 / 0	-91.8	-91.8
F-G	-7669 / 0	-91.8	-91.8
G-T	-8473 / 0	-91.8	-91.8
T-U	-8473 / 0	-91.8	-91.8
U-H	-8473 / 0	-91.8	-91.8
H-I	-5308 / 0	-91.8	-91.8
I-J	0 / 38	-91.8	-91.8
S-B	-2875 / 0	0.0	0.0
K-I	-4227 / 0	0.0	0.0

CHORDS	MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED	MAX. FACTORED
FR-TO	FROM	TO	TO	TO	TO
A-B	0 / 38	-91.8	-91.8	0.04 (1)	10.00
B-C	-3201 / 0	-91.8	-91.8	0.08 (1)	6.10
C-D	-5955 / 0	-91.8	-91.8	0.22 (1)	4.89
D-E	-7669 / 0	-91.8	-91.8	0.25 (1)	4.18
E-F	-7669 / 0	-91.8	-91.8	0.25 (1)	4.20
F-G	-7669 / 0	-91.8	-91.8	0.25 (1)	4.20
G-T	-8473 / 0	-91.8	-91.8	0.40 (1)	3.87
T-U	-8473 / 0	-91.8	-91.8	0.40 (1)	3.87
U-H	-8473 / 0	-91.8	-91.8	0.40 (1)	5.00
H-I	-5308 / 0	-91.8	-91.8	0.11 (1)	6.97
I-J	0 / 38	-91.8	-91.8	0.04 (1)	10.00
S-B	-2875 / 0	0.0	0.0	0.15 (1)	6.97
K-I	-4227 / 0	0.0	0.0	0.23 (1)	5.78

FACTORED CONCENTRATED LOADS (LBS)		MAX. MAX+		FACE		DIR.		TYPE		HEEL		CONN.	
JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.	JT	LOC.	LC1	MAX.
H	31-1-6	-49	-55	---	FRONT	VERT	DEAD	---	C1	H	31-1-6	-254	-254
H	31-1-6	-254	-254	---	FRONT	VERT	SNOW	---	C1	T	27-9-12	-110	-110
T	27-9-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1	U	29-9-12	-110	-110
U	29-9-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1	V	25-10-8	-2027	-2027
V	25-10-8	-2027	-2027	---	FRONT	VERT	TOTAL	---	C1	W	27-9-12	-26	-26
W	27-9-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1	X	29-9-12	-26	-26
X	29-9-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1	Y	31-9-12	-26	-26
Y	31-9-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1	Z	33-9-12	-26	-26
Z	33-9-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1				

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 2 X 180 = 359 lb

DESIGN CRITERIA

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

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
DL = 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

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

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = L/999 (0.22")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/889 (0.40")

CSI: TC=0.40/1.00 (G-H:1), BC=0.92/1.00 (L-M:1),
WB=0.57/1.00 (H-M:1), SS=0.54/1.00 (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

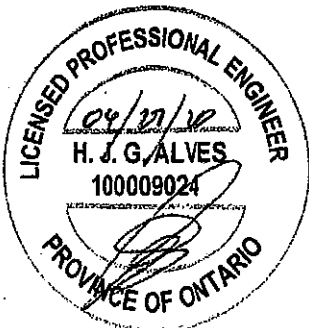
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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 (C) INPUT = 0.90
JSI METAL = 0.91 (P) INPUT = 1.00



Structural component only
DWG# T-2007029 1/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408132	T1Z2	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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ID:DMCubINVR6TstFoe31vGI zns11-Nn9o9QbqQOLGUUxx3EzGpflk8uFo14TKGjc06gzNOLZ

PLATES (tablets in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	1.75	3.50
C	TTWW-m	MT20	7.0	8.0	3.25	2.00
D	TMVW-t	MT20	5.0	6.0		
E	TMVW-w	MT20	3.0	6.0		
F	TS-l	MT20	5.0	6.0		
G	TMVW-t	MT20	5.0	6.0		
H	TTWW-m	MT20	7.0	8.0	3.25	2.00
I	TMVW-p	MT20	5.0	8.0	1.75	3.50
K	BMV1+p	MT20	3.0	6.0		
L	BMVW-l	MT20	5.0	6.0	2.50	2.50
M	BMVW-l	MT20	5.0	6.0	2.50	2.25
N	BS-l	MT20	6.0	9.0		
O	BMVWW-t	MT20	5.0	8.0		
P	BS-l	MT20	6.0	9.0		
Q	BMVW-t	MT20	5.0	6.0	2.50	2.25
R	BMVW-t	MT20	5.0	6.0	2.50	2.50
S	BMV1+p	MT20	3.0	6.0		

CONNECTION REQUIREMENTS

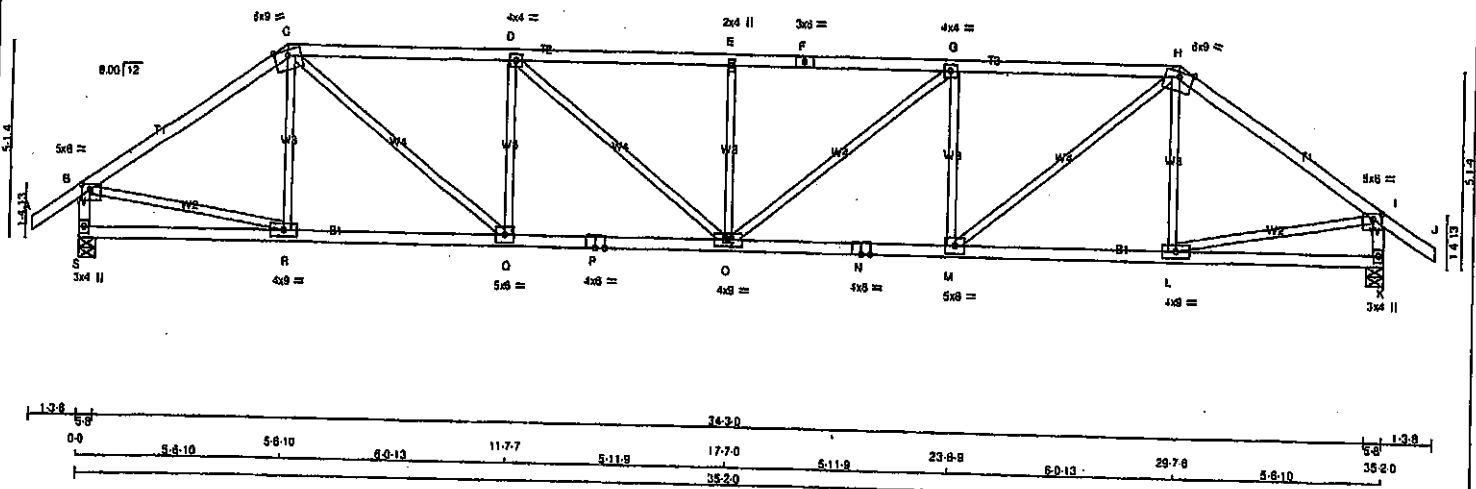
- 1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.



Structural component only
DWG# T-2007029

JOB NAME 408087	TRUSS NAME T2	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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 ID:DMCubINVR6TstFoe31v8l_zns11-XSdn72OdkAPEmfdRqX69arNvQSPCOcRIZZ7bzNEH1
 35.20 36.58
 Scale = 1:57.0



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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMWW-p	MT20	5.0	8.0	1.75 2.75
C	TTWW-m	MT20	6.0	9.0	Edge
D	TMWW-i	MT20	4.0	4.0	
E	TMWW-m	MT20	2.0	4.0	
F	TS-i	MT20	3.0	6.0	
G	TMWW-i	MT20	4.0	4.0	
H	TTWW-m	MT20	6.0	9.0	Edge
I	TMWW-p	MT20	5.0	8.0	1.75 2.75
K	BMV1+p	MT20	3.0	4.0	
L	BMVW-i	MT20	4.0	9.0	
M	BMVW-i	MT20	5.0	8.0	
N	BS-i	MT20	4.0	8.0	
O	BMVWW-i	MT20	4.0	9.0	
P	BS-i	MT20	4.0	8.0	
Q	BMVW-i	MT20	5.0	8.0	
R	BMVW-i	MT20	4.0	9.0	
S	BMV1+p	MT20	3.0	4.0	

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

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

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
GROSS REACTION		GROSS REACTION		BRG		BRG	
JT	VERY	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
S	2065	0	2065	0	5-8	5-8	
K	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
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)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)
FR-TO			
A-B	0 / 35	-91.8 -91.8 0.12 (1)	10.00
B-C	-2297 / 0	-91.8 -91.8 0.70 (1)	3.78
C-D	-3214 / 0	-91.8 -91.8 0.80 (1)	3.18
D-E	-3595 / 0	-91.8 -91.8 0.88 (1)	2.87
E-F	-3595 / 0	-91.8 -91.8 0.88 (1)	2.87
F-G	-3595 / 0	-91.8 -91.8 0.88 (1)	2.87
G-H	-3214 / 0	-91.8 -91.8 0.80 (1)	3.18
H-I	-2297 / 0	-91.8 -91.8 0.70 (1)	3.78
I-J	0 / 35	-91.8 -91.8 0.12 (1)	10.00
S-B	-2023 / 0	0.0 0.0 0.21 (1)	5.94
K-I	-2023 / 0	0.0 0.0 0.21 (1)	5.94
S-R	0 / 0	-18.5 -18.5 0.15 (4)	10.00
R-Q	0 / 1904	-18.5 -18.5 0.39 (1)	10.00
Q-P	0 / 3214	-18.5 -18.5 0.58 (1)	10.00
P-O	0 / 3214	-18.5 -18.5 0.58 (1)	10.00
O-N	0 / 3214	-18.5 -18.5 0.58 (1)	10.00
N-M	0 / 3214	-18.5 -18.5 0.58 (1)	10.00
M-L	0 / 1904	-18.5 -18.5 0.39 (1)	10.00
L-K	0 / 0	-18.5 -18.5 0.15 (4)	10.00

TOTAL WEIGHT = 2 X 140 = 280 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, NBCG 2010, NBCG 2015

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL. (LL) = L/360 (1.17")
 CALCULATED VERT. DEFL. (LL) = L/899 (0.21")
 ALLOWABLE DEFL. (TL) = L/360 (1.17")
 CALCULATED VERT. DEFL. (TL) = L/999 (0.39")

CSI: TC=0.88/1.00 (E-G:1), BC=0.58/1.00 (O-Q:1), WB=0.44/1.00 (B-R:1), SSI=0.28/1.00 (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

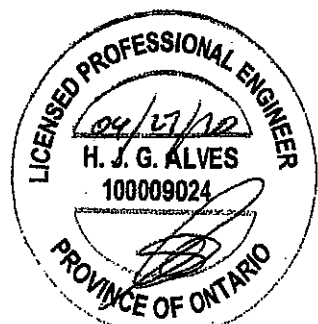
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

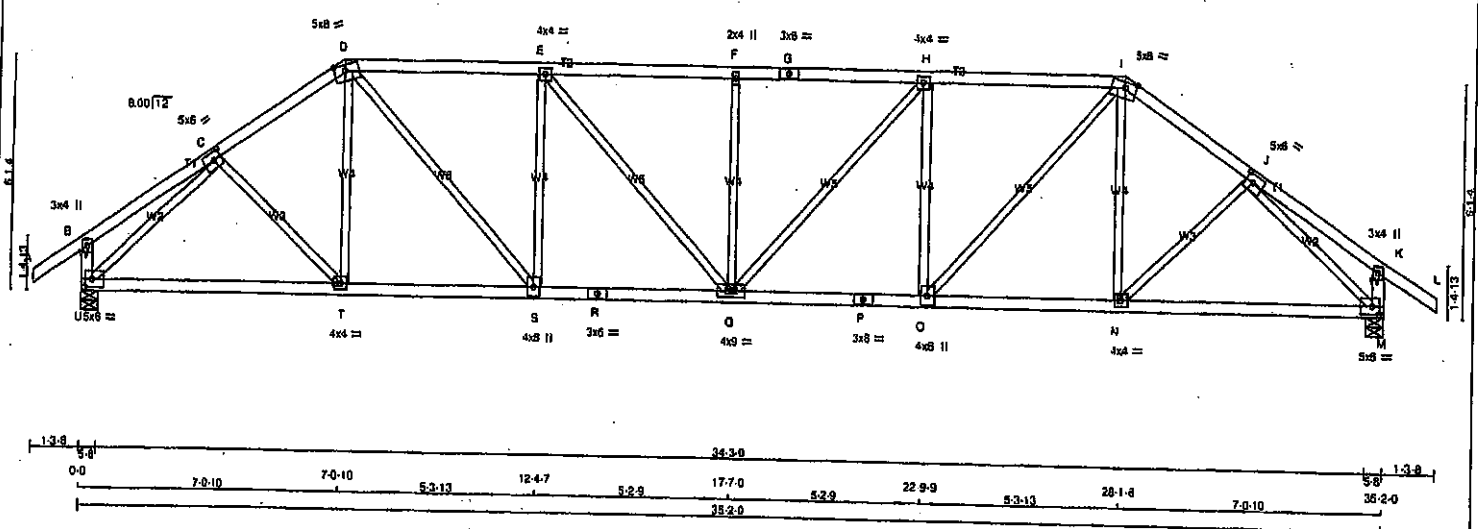
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (B) (INPUT = 0.80)
 JSI METAL= 0.74 (P) (INPUT = 1.00)



JOB NAME 408087	TRUSS NAME T3	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 Scale = 1:57.3



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY No.2	SPF
D - G	2x4	DRY No.2	SPF
G - J	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 EXCEPT	2x3	DRY No.2	SPF

DRY: SEASONED LUMBER.

FACTORED REACTIONS

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

UNFACTORED REACTIONS

1ST CASE	MAX/MIN. COMPONENT REACTIONS
JT COMBINED	SNOW LIVE PERM LIVE WIND DEAD SOIL
U	1458 970 / 0 0 / 0 0 / 0 488 / 0 0 / 0
M	1458 970 / 0 0 / 0 0 / 0 488 / 0 0 / 0

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. O.C.

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVW-t	MT20	5.0	6.0	2.50	2.50
D	TTWW-m	MT20	5.0	6.0	1.75	3.50
E	TMVW-t	MT20	4.0	4.0		
F	TMVW-t	MT20	2.0	4.0		
G	TS-t	MT20	3.0	6.0		
H	TMVW-t	MT20	4.0	4.0		
I	TTWW-m	MT20	5.0	6.0	1.75	3.50
J	TMVW-t	MT20	5.0	6.0	2.50	2.50
K	TMV+p	MT20	3.0	4.0		
M	BMVW-t	MT20	5.0	6.0	2.50	2.25
N	BMVW-t	MT20	4.0	4.0		
O	BMVW-t	MT20	4.0	6.0		
P	BS-t	MT20	3.0	6.0		
Q	BMVW-t	MT20	4.0	6.0		
R	BS-t	MT20	3.0	6.0		
S	BMVW-t	MT20	4.0	6.0		
T	BMVW-t	MT20	4.0	4.0		
U	BMVW-t	MT20	5.0	6.0	2.50	2.25

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)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED UPLIFT (LBS)
FR-TO				
A-B	0 / 35	-91.8	-91.8	0.12 (1)
B-C	0 / 18	-91.8	-91.8	0.16 (1)
C-D	-2308 / 0	-91.8	-91.8	0.23 (1)
D-E	-2724 / 0	-91.8	-91.8	0.54 (1)
E-F	-2967 / 0	-91.8	-91.8	0.56 (1)
F-G	-2967 / 0	-91.8	-91.8	0.56 (1)
G-H	-2967 / 0	-91.8	-91.8	0.56 (1)
H-I	-2724 / 0	-91.8	-91.8	0.54 (1)
I-J	-2308 / 0	-91.8	-91.8	0.23 (1)
J-K	0 / 18	-91.8	-91.8	0.16 (1)
K-L	0 / 35	-91.8	-91.8	0.12 (1)
L-M	-255 / 0	0.0	0.0	0.03 (1)
M-K	-255 / 0	0.0	0.0	0.03 (1)
U-T	0 / 1802	-18.5	-18.5	0.40 (1)
T-S	0 / 1901	-18.5	-18.5	0.41 (1)
S-R	0 / 2724	-18.5	-18.5	0.49 (1)
R-Q	0 / 2724	-18.5	-18.5	0.49 (1)
Q-P	0 / 2724	-18.5	-18.5	0.49 (1)
P-O	0 / 2724	-18.5	-18.5	0.49 (1)
O-N	0 / 1901	-18.5	-18.5	0.41 (1)
N-M	0 / 1802	-18.5	-18.5	0.40 (1)

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

THIS DESIGN COMPLES WITH:

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

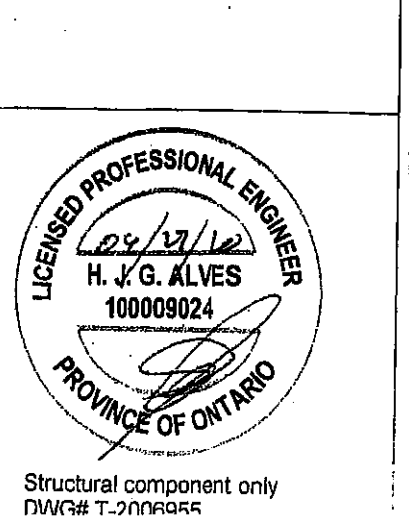
(55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.17)
 CALCULATED VERT. DEFL.(LL) = L/999 (0.16")
 ALLOWABLE DEFL.(TL) = L/960 (1.17)
 CALCULATED VERT. DEFL.(TL) = L/999 (0.29")

CSI: TC=0.58/1.00 (E-F:1), BC=0.49/1.00 (G-S:1), WB=0.97/1.00 (O-U:1), SS=0.23/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00



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

NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

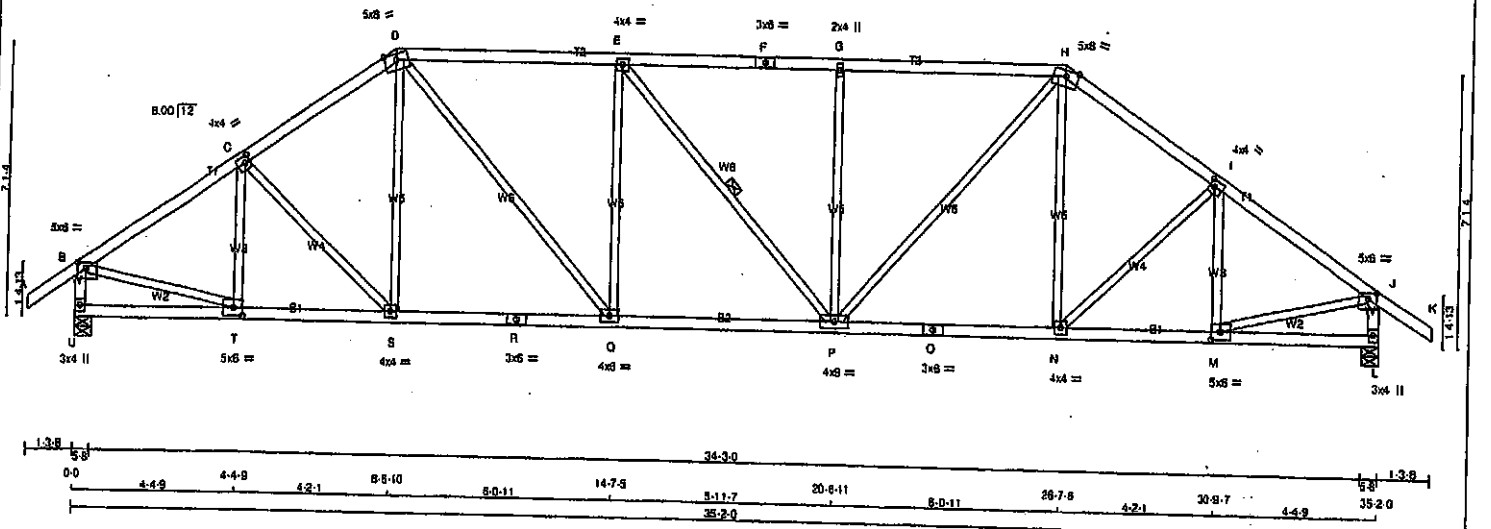
JSI GRIP = 0.90 (U) (INPUT = 0.90)
 JSI METAL = 0.84 (P) (INPUT = 1.00)

Structural component only
 DWG# T-2006955

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
408087	T4	2	1	GREEN PARK HOMES		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6l_zns11-0aB9KOPKO2iGslrA8LmMK3SioP8dKilyJ7fJzNEH0
20 4-11 30 9-7 35 2-0 38 5-8
Scale = 1:17.3



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMWV-p	MT20	5.0	6.0	1.75 2.75
C	TMWV-m	MT20	4.0	4.0	2.00 1.50
D	TTWW-m	MT20	5.0	6.0	Edge
E	TMWV-i	MT20	4.0	4.0	Edge
F	TS-i	MT20	3.0	6.0	Edge
G	TMWV-w	MT20	2.0	4.0	Edge
H	TTWW-m	MT20	5.0	6.0	Edge
I	TMWV-i	MT20	4.0	4.0	2.00 1.50
J	TMWV-p	MT20	5.0	6.0	1.75 2.75
L	BMV1-p	MT20	3.0	4.0	Edge
M	BMWV-i	MT20	5.0	6.0	2.50 2.75
N	BMWV-i	MT20	4.0	4.0	Edge
O	BS-i	MT20	3.0	6.0	Edge
P	BMWV-i	MT20	4.0	4.0	Edge
Q	BMWV-i	MT20	4.0	4.0	Edge
R	BS-i	MT20	3.0	6.0	Edge
S	BMWV-i	MT20	4.0	4.0	Edge
T	BMWV-i	MT20	5.0	6.0	2.50 2.75
U	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		REQ'D	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	BRG
U	2085	0	0	2085	0	0	5-8	5-8	5-8
L	2085	0	0	2085	0	0	5-8	5-8	5-8

UNFACTORED REACTIONS

1ST CASE		MAX/MIN COMPONENT REACTIONS		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	DEAD	SOIL
U	1458	970 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0	488 / 0	0 / 0
L	1458	970 / 0	0 / 0	0 / 0	0 / 0	488 / 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		FACTORED		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FROM TO	LENGTH FR-TO	FR-TO	
A-B	0 / 35	-91.8 -91.8	0.12 (1)	T-C	-396 / 0
B-C	-2270 / 0	-91.8 -91.8	0.37 (1)	C-S	-79 / 0
C-D	-2254 / 0	-91.8 -91.8	0.38 (1)	S-D	0 / 156
D-E	-2485 / 0	-91.8 -91.8	0.84 (1)	D-Q	0 / 949
E-F	-2484 / 0	-91.8 -91.8	0.84 (1)	Q-E	-597 / 0
F-G	-2484 / 0	-91.8 -91.8	0.84 (1)	E-P	-2 / 0
G-H	-2484 / 0	-91.8 -91.8	0.83 (1)	P-G	-597 / 0
H-I	-2254 / 0	-91.8 -91.8	0.38 (1)	I-P	0 / 947
I-J	-2270 / 0	-91.8 -91.8	0.37 (1)	P-H	0 / 157
J-K	0 / 35	-91.8 -91.8	0.12 (1)	N-I	-78 / 0
U-B	-2027 / 0	0.0 0.0	0.21 (1)	M-I	-397 / 0
L-J	-2026 / 0	0.0 0.0	0.21 (1)	B-T	0 / 1908
U-T	0 / 0	-18.5 -18.5	0.08 (4)	M-J	0 / 1908
T-S	0 / 1908	-18.5 -18.5	0.37 (1)		
S-R	0 / 1854	-18.5 -18.5	0.38 (1)		
R-Q	0 / 1854	-18.5 -18.5	0.38 (1)		
Q-P	0 / 2485	-18.5 -18.5	0.47 (1)		
P-O	0 / 1854	-18.5 -18.5	0.38 (1)		
O-N	0 / 1854	-18.5 -18.5	0.38 (1)		
N-M	0 / 1909	-18.5 -18.5	0.37 (1)		
M-L	0 / 0	-18.5 -18.5	0.08 (4)		

TOTAL WEIGHT = 2 X 155 = 309 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = U/899 (0.12")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = U/899 (0.24")

CS1: TC=0.84/1.00 (D-E:1), BC=0.47/1.00 (P-Q:1), WB=0.52/1.00 (E-Q:1), SS=0.28/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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.

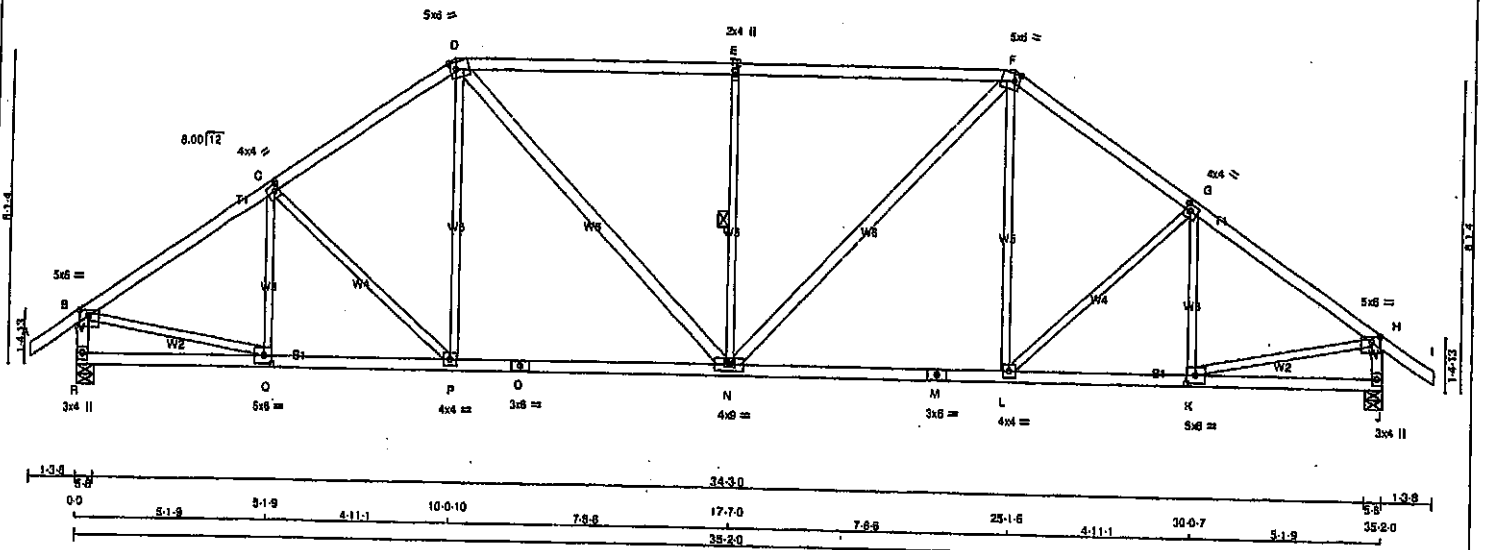
JSI GRIP = 0.80 (D) (INPUT = 0.90)
JSI METAL = 0.82 (O) (INPUT = 1.00)



JOB NAME: 408087 TRUSS NAME: T5 QUANTITY: 2 PLY: 1 JOB DESC: GREEN PARK HOMES TRUSS DESC: Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstF0s31v6f_zns11-UqIXYkQy8LO7TAW1kss?BZICWf9a14hvuc2qCmzNEh?

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



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 EXCEPT	2x3	DRY	No.2	SPF
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-t	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-t	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-t	MT20	5.0	6.0	2.50	2.75
L BMVW-t	MT20	4.0	4.0		
M BS-t	MT20	3.0	6.0		
N BMVW-w	MT20	4.0	4.0		
O BS-t	MT20	3.0	6.0		
P BMVW-t	MT20	4.0	4.0		
Q BMVW-t	MT20	5.0	6.0	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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
R	2085	0	2085	0	5-8	5-8
J	2085	0	2085	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE COMBINED		MAX/MIN COMPONENT REACTIONS		WIND	DEAD	SOIL
	SNOW	LIVE	PERM	LIVE			
R	1458	970/0	0/0	0/0	0/0	488/0	0/0
J	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) 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)

MEMB.	CHORDS		FACTORED		MAX. UNBRACED LENGTH	MEMB.	WEBS		MAX. UNBRACED LENGTH
	MAX. FACTORED FORCE (LBS)	VERT. LOAD (LBS)	LC1	MAX. (PLF)			MAX. FACTORED FORCE (LBS)	MAX. (PLF)	
FR-TO						FR-TO			
A-B	0/35	-91.8	-91.8	0.12 (1)	10.00	Q-C	-321/0	0.11 (1)	
B-C	-2318/0	-91.8	-91.8	0.38 (1)	4.18	C-P	-218/0	0.18 (1)	
C-D	-2188/0	-91.8	-91.8	0.37 (1)	4.28	P-D	0/268	0.08 (1)	
D-E	-2275/0	-91.8	-91.8	0.81 (1)	3.47	D-N	0/692	0.11 (1)	
E-F	-2275/0	-91.8	-91.8	0.81 (1)	3.47	N-E	-851/0	0.35 (1)	
F-G	-2188/0	-91.8	-91.8	0.37 (1)	4.28	N-F	0/692	0.11 (1)	
G-H	-2318/0	-91.8	-91.8	0.38 (1)	4.18	L-F	0/288	0.08 (1)	
H-I	0/35	-91.8	-91.8	0.12 (1)	10.00	L-G	-218/0	0.18 (1)	
R-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	0/1998	0.45 (1)	
						K-H	0/1998	0.45 (1)	
R-Q	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 = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, CBC 2012, ABC 2018
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

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

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

CS: TC=0.81/1.00 (C-E:1), BC=0.41/1.00 (N-P:1), WB=0.45/1.00 (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 (PSI)	SECTION (PLI)	MAX MIN	MAX MIN	MAX MIN
MT20	818	354	1887	788	1987	1858

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

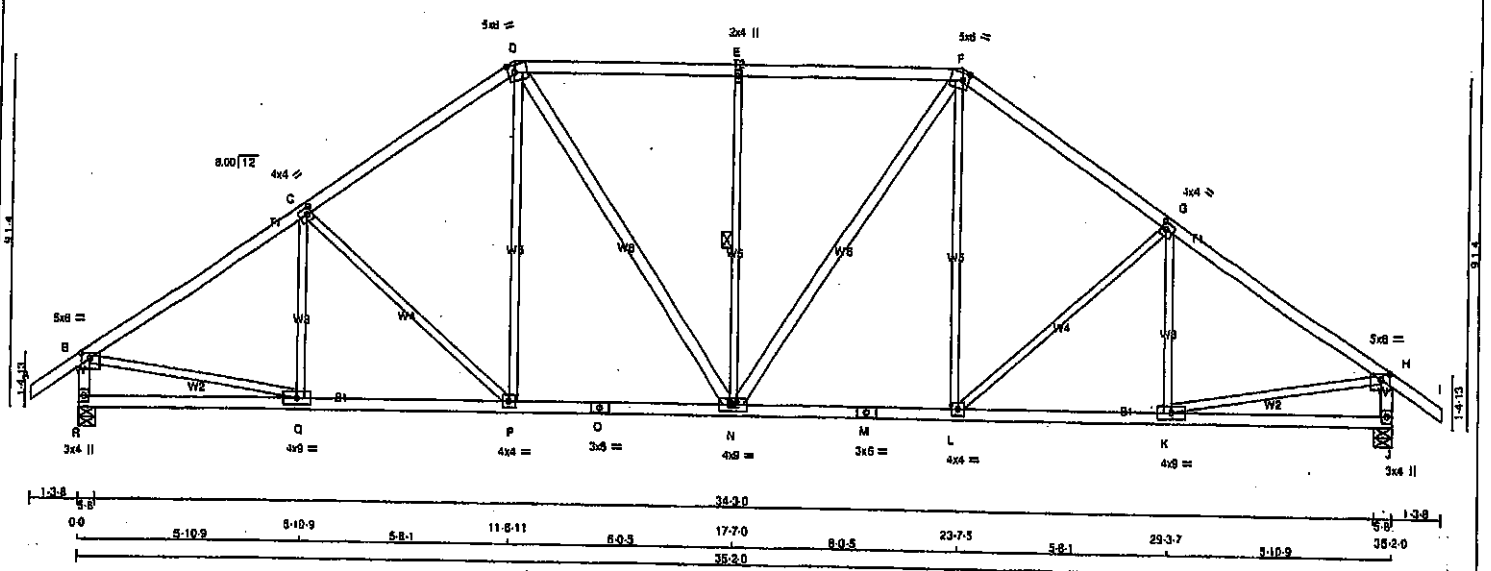
JSI GRIP = 0.87 (B) (INPUT = 0.90)
JSI METAL = 0.57 (C) (INPUT = 1.00)



Structural component only
DWG# T 2006057

JOB NAME 408087	TRUSS NAME T6	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Yamareck Roof Truss, Burlington				TRUSS DESC.	

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 ID:DMCubINVR8TstFoe31v61_zns11-y1Jw4RavYz6KVEIZOEknQR16V7cX127GoDkGZNEh
 Scale = 1:57.3



LUMBER

N.L.G.A. RULES

CHORDS	SIZE	DRY	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
F - I	2x4	DRY	No.2	SPF
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 EXCEPT	2x3	DRY	No.2	SPF
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	8.0	1.75	2.75
C	TMVW-1	MT20	4.0	4.0	2.00	1.50
D	TTVW-m	MT20	5.0	8.0	2.25	2.00
E	TMVW-w	MT20	2.0	4.0		
F	TTVW-m	MT20	5.0	8.0	2.25	2.00
G	TMVW-1	MT20	4.0	4.0	2.00	1.50
H	TMVW-p	MT20	5.0	8.0	1.75	2.75
J	BMV1-p	MT20	3.0	4.0		
K	BMVW-1	MT20	4.0	9.0		
L	BS-1	MT20	3.0	8.0		
M	BS-1	MT20	3.0	8.0		
N	BMVW-1	MT20	4.0	9.0		
O	BS-1	MT20	3.0	8.0		
P	BMVW-1	MT20	4.0	9.0		
Q	BMVW-1	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 GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT VERT	2065	0	5-8
R VERT	2065	0	5-8
J HORIZ	2065	0	5-8
R HORIZ	2065	0	5-8

UNFACTORED REACTIONS

1ST CASE	MAX/MIN COMPONENT REACTIONS
JT COMBINED	1458
R COMBINED	1458
J SNOW	970 / 0
R SNOW	970 / 0
J LIVE	0 / 0
R LIVE	0 / 0
J PERMLIVE	0 / 0
R PERMLIVE	0 / 0
J WIND	0 / 0
R WIND	0 / 0
J DEAD	488 / 0
R DEAD	488 / 0
J SOIL	0 / 0
R SOIL	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
 TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 35	-91.8 -91.8	0.12 (1)	10.00	Q-C	-248 / 11	0.11 (1)
B-C	-2347 / 0	-91.8 -91.8	0.52 (1)	3.99	C-P	-358 / 0	0.42 (1)
C-D	-2098 / 0	-91.8 -91.8	0.48 (1)	4.22	P-D	0 / 342	0.08 (1)
D-E	-1985 / 0	-91.8 -91.8	0.48 (1)	4.26	D-N	0 / 477	0.08 (1)
E-F	-1985 / 0	-91.8 -91.8	0.48 (1)	4.26	N-E	-677 / 0	0.37 (1)
F-G	-2098 / 0	-91.8 -91.8	0.48 (1)	4.22	N-F	0 / 477	0.08 (1)
G-H	-2347 / 0	-91.8 -91.8	0.52 (1)	3.99	L-F	0 / 342	0.08 (1)
H-I	0 / 35	-91.8 -91.8	0.12 (1)	10.00	L-G	-358 / 0	0.42 (1)
R-B	-2018 / 0	0.0 0.0	0.21 (1)	5.94	K-G	-248 / 11	0.11 (1)
J-H	-2018 / 0	0.0 0.0	0.21 (1)	5.94	B-Q	0 / 2014	0.45 (1)
					K-H	0 / 2014	0.45 (1)
R-Q	0 / 0	-18.5 -18.5	0.14 (4)	10.00			
Q-P	0 / 1981	-18.5 -18.5	0.39 (1)	10.00			
P-O	0 / 1716	-18.5 -18.5	0.34 (1)	10.00			
O-N	0 / 1716	-18.5 -18.5	0.34 (1)	10.00			
N-M	0 / 1716	-18.5 -18.5	0.34 (1)	10.00			
M-L	0 / 1716	-18.5 -18.5	0.34 (1)	10.00			
L-K	0 / 1981	-18.5 -18.5	0.39 (1)	10.00			
K-J	0 / 0	-18.5 -18.5	0.14 (4)	10.00			

TOTAL WEIGHT = 2 X 165 = 329 LBS

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 BCBC 2018, CBC 2012, ABC 2019
 - PART 9 OF CBC 2012 (2019 AMENDMENT)
 - CSA 088-00, CSA 088-14
 - TPIC 2011, TPIC 2014

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

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

CSI: TC=0.52/1.00 (B-C:1), BC=0.39/1.00 (K-L:1), WB=0.45/1.00 (H-K:1), SS=0.27/1.00 (E-F: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.

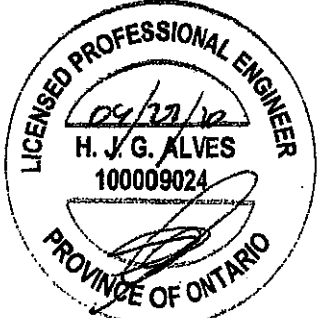
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)	MAX MIN	MAX MIN
MT20	618	354	1857	788
			1957	1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

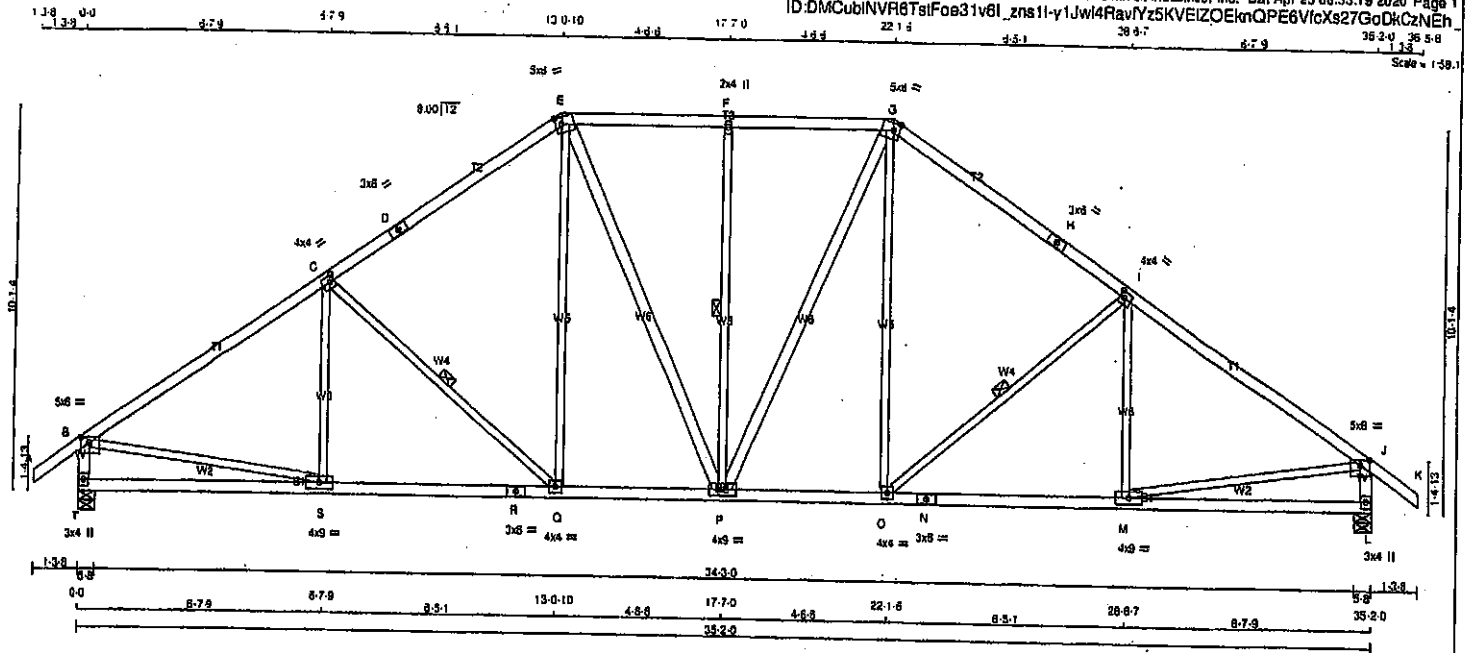
JSI GRIP= 0.87 (B) (INPUT = 0.90)
 JSI METAL= 0.58 (M) (INPUT = 1.00)



Structural component only

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408087	T7	3	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:DMCubINVR6Tsf0e31v6l_zns1l-y1Jw4RavfYz5KVEIZOEkmQPE6VfcXs27GoDkCzNEh



CHORDS	SIZE	QUANTITY	PLY	JOB DESC.	DRWG NO.
A - O	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

EXCEPT

E - P 2x4 DRY No.2

P - G 2x4 DRY No.2

SPF

SPF

SPF

SPF

SPF

SPF

SPF

SPF

SPF

SPF

SPF

SPF

SPF

SPF

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SPF

SPF

SPF

SPF

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

BUILDING DESIGNER

BEARINGS

FACTORED GROSS REACTION

MAXIMUM FACTORED GROSS REACTION

INPUT BRG IN-SX

REQD BRG IN-SX

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.77 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.

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

MEMB. MAX. FACTORED FORCE (LBS)

FACTORED VERT. LOAD LC1 MAX. MAX. UNBRACED LENGTH FR-TO

WEBS

MEMB. MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

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MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

MAX. FACTORED FORCE (LBS)

TOTAL WEIGHT = 3 X 172 = 515 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.8 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

- PART 9 OF OBC 2012 (2019 AMENDMENT)

- CSA 088-09, CSA 088-14

- TPIC 2011, TPIC 2014

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

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

CALCULATED VERT. DEFL. (LL) = L/999 (0.09")

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

CALCULATED VERT. DEFL. (TL) = L/999 (0.18")

CSI: TC=0.89/1.00 (I-J:1), BC=0.42/1.00 (M-O:1),

WB=0.45/1.00 (J-M:1), SSI=0.24/1.00 (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 1666

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

JSI METAL= 0.58 (N) (INPUT = 1.00)

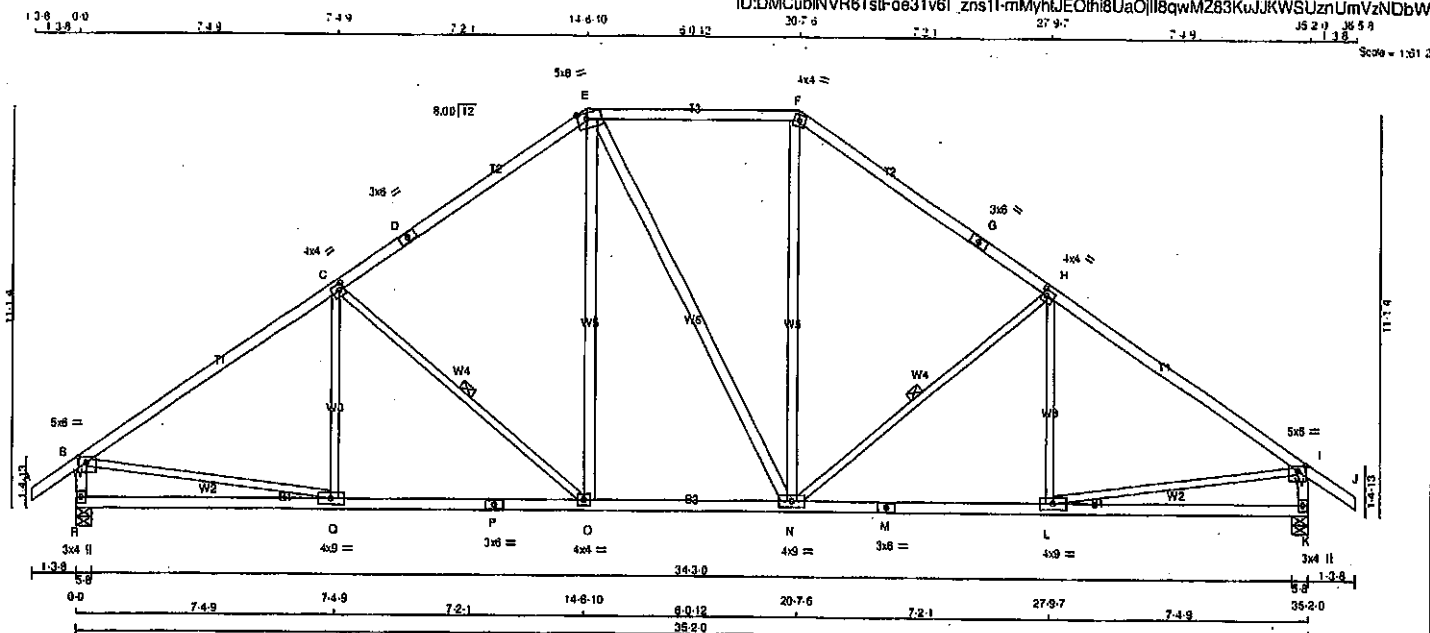


Structural component only
DWG# T-20006959

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408131	T8	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6I_zns1l-mMyhtJE0th8UaOj1l8qwmZ83KwJKWSUznUmVzNDbW



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF		
D - E	2x4	DRY	No.2	SPF		
E - F	2x4	DRY	No.2	SPF		
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 in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW-p	MT20	5.0	6.0	1.75	2.75
C TMVW-i	MT20	4.0	4.0	2.00	1.50
D TS-i	MT20	3.0	6.0		
E TTWW-m	MT20	5.0	8.0	2.00	3.00
F TTW-m	MT20	4.0	4.0		
G TS-i	MT20	3.0	6.0		
H TMVW-i	MT20	4.0	4.0	2.00	1.50
I TMVW-p	MT20	5.0	6.0	1.75	2.75
K BMV1-p	MT20	3.0	4.0		
L BMVW-i	MT20	4.0	9.0		
M BS-i	MT20	3.0	6.0		
N BMVW-i	MT20	4.0	9.0		
O BMVW-i	MT20	4.0	4.0		
P BS-i	MT20	3.0	6.0		
Q BMVW-i	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	DOWN	UPLIFT	IN-SX
R	2065	0	0	5-8
K	2065	0	0	5-8

UNFACTORED REACTIONS

JT	1ST LOASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	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) 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

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.	MAX. FACTORED	MAX
MEMB.	FORCE	VERT. LOAD	LC1	MAX	MAX.	MEMB.	FORCE	MAX	
FR-TO	(LBS)	(PLF)	CSI (LC)	UNBRAC	LENGTH	FR-TO	(LBS)	CSI (LC)	
A-B	0 / 35	-91.8	-91.8	0.12 (1)	10.00	Q-C	-139 / 76	0.09 (1)	
B-C	-2358 / 0	-91.8	-91.8	0.89 (1)	3.45	C-O	-605 / 0	0.38 (1)	
C-D	-1888 / 0	-91.8	-91.8	0.78 (1)	3.91	O-E	0 / 499	0.08 (1)	
D-E	-1888 / 0	-91.8	-91.8	0.78 (1)	3.91	E-N	0 / 0	0.00 (1)	
E-F	-1538 / 0	-91.8	-91.8	0.47 (1)	4.74	N-F	0 / 500	0.08 (1)	
F-G	-1888 / 0	-91.8	-91.8	0.78 (1)	3.91	N-H	-604 / 0	0.38 (1)	
G-H	-1888 / 0	-91.8	-91.8	0.78 (1)	3.91	L-H	-140 / 75	0.09 (1)	
H-I	-2357 / 0	-91.8	-91.8	0.89 (1)	3.45	B-Q	0 / 2020	0.45 (1)	
I-J	0 / 35	-91.8	-91.8	0.12 (1)	10.00	L-I	0 / 2020	0.45 (1)	
R-B	-2009 / 0	0.0	0.0	0.21 (1)	5.95				
K-I	-2009 / 0	0.0	0.0	0.21 (1)	5.95				
R-Q	0 / 0	-18.5	-18.5	0.25 (4)	10.00				
Q-P	0 / 1899	-18.5	-18.5	0.45 (1)	10.00				
P-O	0 / 1999	-18.5	-18.5	0.45 (1)	10.00				
O-N	0 / 1538	-18.5	-18.5	0.33 (1)	10.00				
N-M	0 / 1999	-18.5	-18.5	0.45 (1)	10.00				
M-L	0 / 1999	-18.5	-18.5	0.45 (1)	10.00				
L-K	0 / 0	-18.5	-18.5	0.24 (4)	10.00				

TOTAL WEIGHT = 2 X 168 = 333 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		= 38.0	PSF

SPACING = 24.0 IN./C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCB 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 089-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL. (LL) = L/360 (1.17")
CALCULATED VERT. DEFL. (LL) = L/989 (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-I), BC=0.45/1.00 (O-Q-I), WB=0.45/1.00 (B-Q-I), SS=0.27/1.00 (H-I-I)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

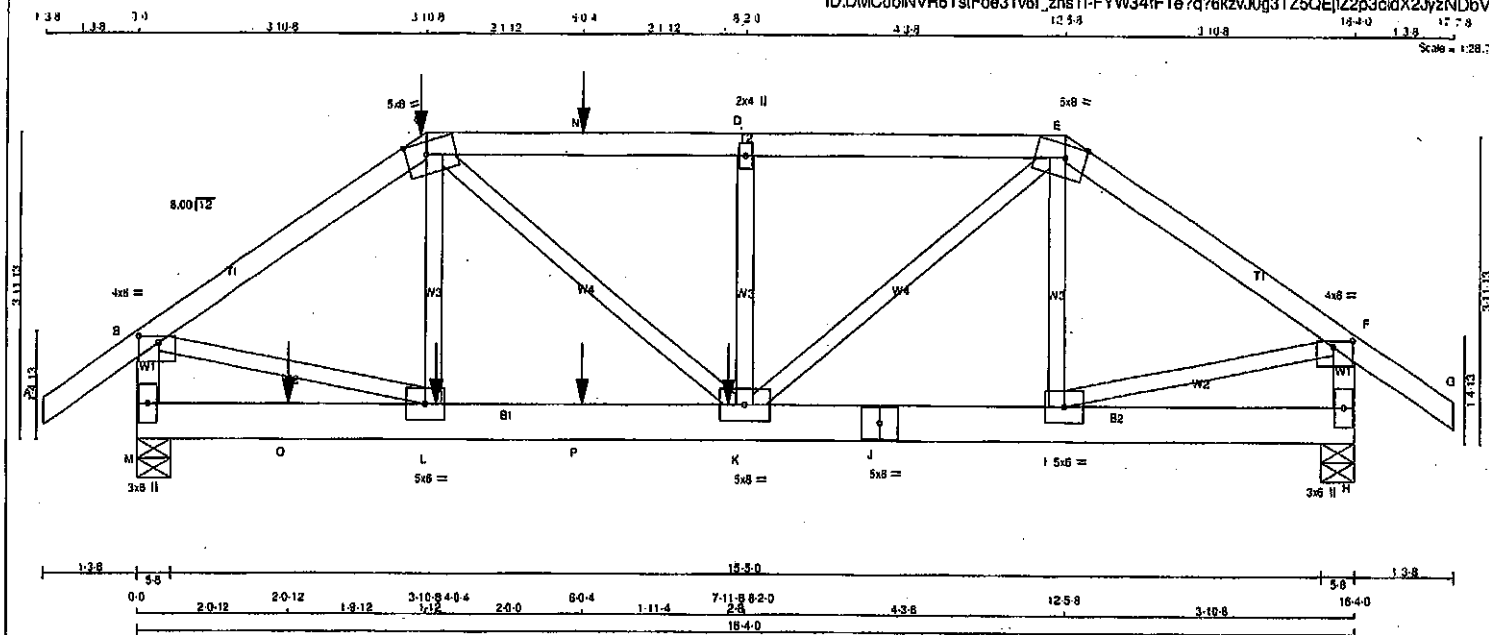
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (F) (INPUT = 0.90)

JSI METAL= 0.88 (P) (INPUT = 1.00)



Structural component only
DWG# T-2007019



TOTAL WEIGHT = 78 g

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
M - B	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
M - J	2x8	DRY	No.2	SPF
J - H	2x8	DRY	No.2	SPF

ALL WEBS 2x3 DRY
EXCEPT
DRY: SEASONED LUMBER

PLATES (table is in inches)

CL	TYPE	PLATES	W	LEN	Y	X
B	TMWV-p	MT20	4.0	8.0	1.00	3.25
C	TTWV-m	MT20	5.0	8.0	2.00	3.25
D	TMWV-m	MT20	2.0	4.0		
E	TTWV-m	MT20	5.0	8.0	2.00	3.25
F	TMWV-p	MT20	4.0	8.0	1.00	3.25
G	BMV1+p	MT20	3.0	6.0		
H	BMWV-1	MT20	5.0	8.0		
J	BS-1	MT20	5.0	8.0		
K	BMWVWV-1	MT20	5.0	8.0		
L	BMWV-1	MT20	5.0	8.0		
M	BMV1-n	MT20	3.0	6.0		

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

LOADING BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
	VERT	HORZ	DOWN	HORZ.	UPLIFT	IN-SX	IN-SX
M	1679	0	1679	0	0	5-8	5-8
H	1496	0	1496	0	0	5-8	5-8

UNFACTORED REACTIONS

ISTL CASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
M	1183	803 / 0	0 / 0	0 / 0	0 / 0	380 / 0	0 / 0
H	1053	717 / 0	0 / 0	0 / 0	0 / 0	338 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.17 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MAX. FACTORED		FACTORED		MAX. FACTORED			
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. CSI (LC)	MAX. UNBRAC (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO		LENGTH	FR-TO		
A-B	0/35	-91.8	-91.8	0.14 (1)	10.00	L-C	-218/26
B-C	-1751/0	-91.8	-91.8	0.33 (1)	4.66	C-K	0/874
C-N	-2118/0	-91.8	-91.8	0.42 (1)	4.17	K-D	-523/9
N-D	-2118/0	-91.8	-91.8	0.42 (1)	4.17	E-E	0/1120
D-E	-2118/0	-91.8	-91.8	0.42 (1)	4.17	I-K	-203/0
E-F	-1523/0	-91.8	-91.8	0.33 (1)	4.94	B-L	0/1499
F-G	0/35	-91.8	-91.8	0.14 (1)	10.00	I-F	0/1304
M-B	-1643/0	0.0	0.0	0.18 (1)	8.42		
H-F	-1469/0	0.0	0.0	0.16 (1)	6.71		
M-O	0/0	-18.5	-18.5	0.05 (4)	10.00		
O-L	0/0	-18.5	-18.5	0.05 (4)	10.00		
L-P	0/1448	-18.5	-18.5	0.26 (1)	10.00		
P-K	0/1448	-18.5	-18.5	0.26 (1)	10.00		
K-J	0/1259	-18.5	-18.5	0.23 (1)	10.00		
J-I	0/1259	-18.5	-18.5	0.23 (1)	10.00		
I-H	0/0	-18.5	-18.5	0.04 (4)	10.00		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX2	FACE	DIR.	TYPE	HEEL	CONN.
C	3-10-8	-255	-255	---	FRONT	VERT	TOTAL	---	C1
K	7-11-8	-729	-729	---	FRONT	VERT	TOTAL	---	C1
N	4-0-4	-17	-17	---	FRONT	VERT	TOTAL	---	C1
L	6-0-4	-86	-86	---	FRONT	VERT	TOTAL	---	C1
O	2-0-2	-17	-17	---	FRONT	VERT	TOTAL	---	C1
P	6-0-4	-17	-17	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 686-09, CSA 686-14
- 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 (0.54")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.54")
CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSI: TC=0.42/1.00 (C-D:1), BC=0.26/1.00 (K-L:1),
WB=0.37/1.00 (B-L:1), SS=0.25/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

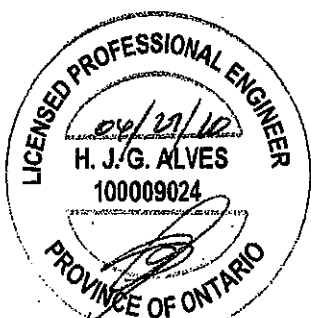
NAIL VALUES

PLATE	GRIP(DRY)		SHEAR		SECTION	
	(PSI)		(PLI)		(PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	364	1887	788	1987	1658

PLATE PLACEMENT TOL. = 0.250 inches

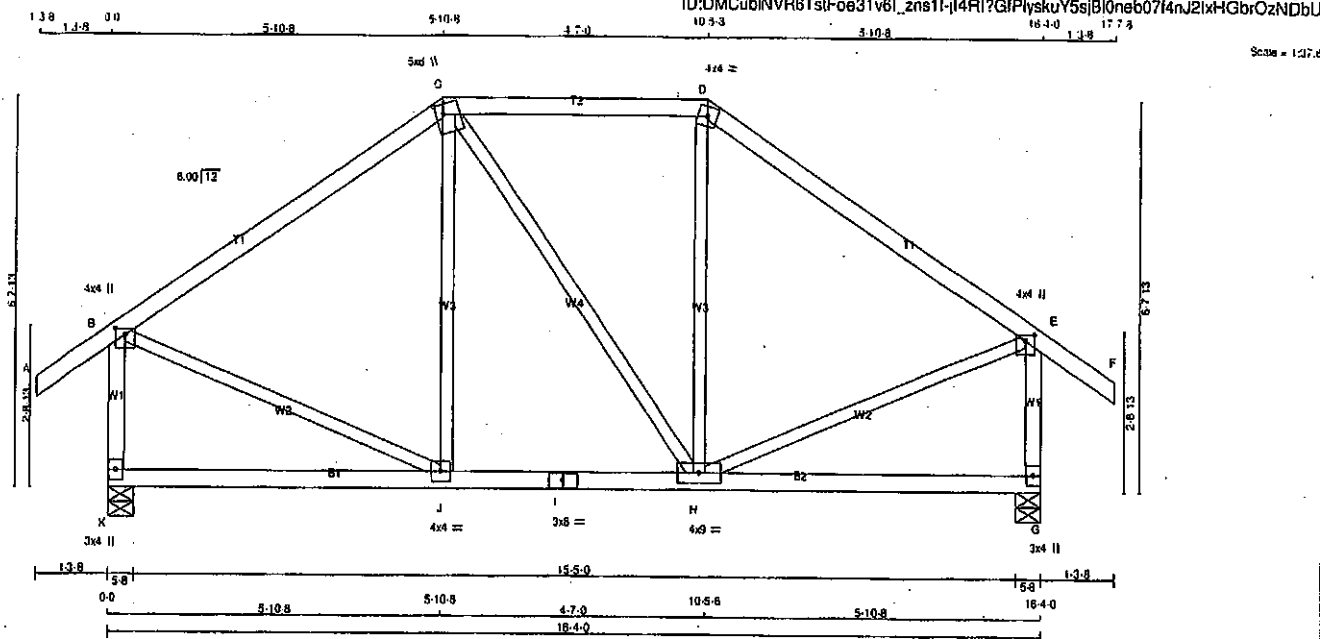
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (E) (INPUT = 0.90)
JSI METAL= 0.40 (F) (INPUT = 1.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408131	T10	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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

ALL WEBS EXCEPT			
ALL WEBS EXCEPT	2x3	DRY	No.2

PLATES (tablets in inches)				
JT	TYPE	PLATES	W	LEN Y X
B	TMVW+p	MT20	4.0	4.0 1.25 2.00
C	TTWW+m	MT20	5.0	6.0 2.00 1.50
D	TTW-m	MT20	4.0	4.0
E	TMVW+p	MT20	4.0	4.0 1.25 2.00
G	BMV1+p	MT20	3.0	4.0
H	BMWWW-l	MT20	4.0	9.0
I	BS-l	MT20	3.0	6.0
J	BMWW-l	MT20	4.0	4.0
K	BMV1+p	MT20	3.0	4.0

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	VERT	GROSS REACTION	GROSS REACTION	BRG	BRG
K	1026	0	1026	0	5-8
G	1026	0	1026	0	5-8

UNFACTORED REACTIONS		1ST CASE	MAX. MIN. COMPONENT REACTIONS				
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
K	723	488 / 0	0 / 0	0 / 0	0 / 0	235 / 0	0 / 0
G	723	488 / 0	0 / 0	0 / 0	0 / 0	235 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)	MAX. CSI (LC)
FR-TO		FROM TO		FR-TO			
A-B	0 / 35	-91.8 -91.8 0.12 (1)	10.00	J-C	-115 / 40	0.08 (1)	
B-C	-655 / 0	-91.8 -91.8 0.41 (1)	6.25	C-H	0 / 0	0.00 (1)	
C-D	-542 / 0	-91.8 -91.8 0.25 (1)	6.25	H-D	-116 / 40	0.08 (1)	
D-E	-655 / 0	-91.8 -91.8 0.41 (1)	6.25	B-J	0 / 597	0.13 (1)	
E-F	0 / 35	-91.8 -91.8 0.12 (1)	10.00	H-E	0 / 597	0.13 (1)	
K-G	-980 / 0	0.0 0.0 0.14 (1)	7.81				
G-E	-979 / 0	0.0 0.0 0.14 (1)	7.81				
K-J	0 / 0	-18.5 -18.5 0.14 (4)	10.00				
J-I	0 / 543	-18.5 -18.5 0.17 (4)	10.00				
I-H	0 / 543	-18.5 -18.5 0.17 (4)	10.00				
H-G	0 / 0	-18.5 -18.5 0.14 (4)	10.00				

TOTAL WEIGHT = 2 X 75 = 150 LB (M)

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 8.0 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 (0.54")
CALCULATED VERT. DEFL. (LL) = L/999 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.54")
CALCULATED VERT. DEFL. (TL) = L/999 (0.05")

CSI: TC=0.41/1.00 (B-C:1), BC=0.17/1.00 (H-J:4), WB=0.13/1.00 (B-J:1), SS=0.17/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

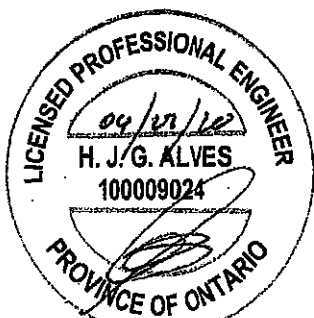
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

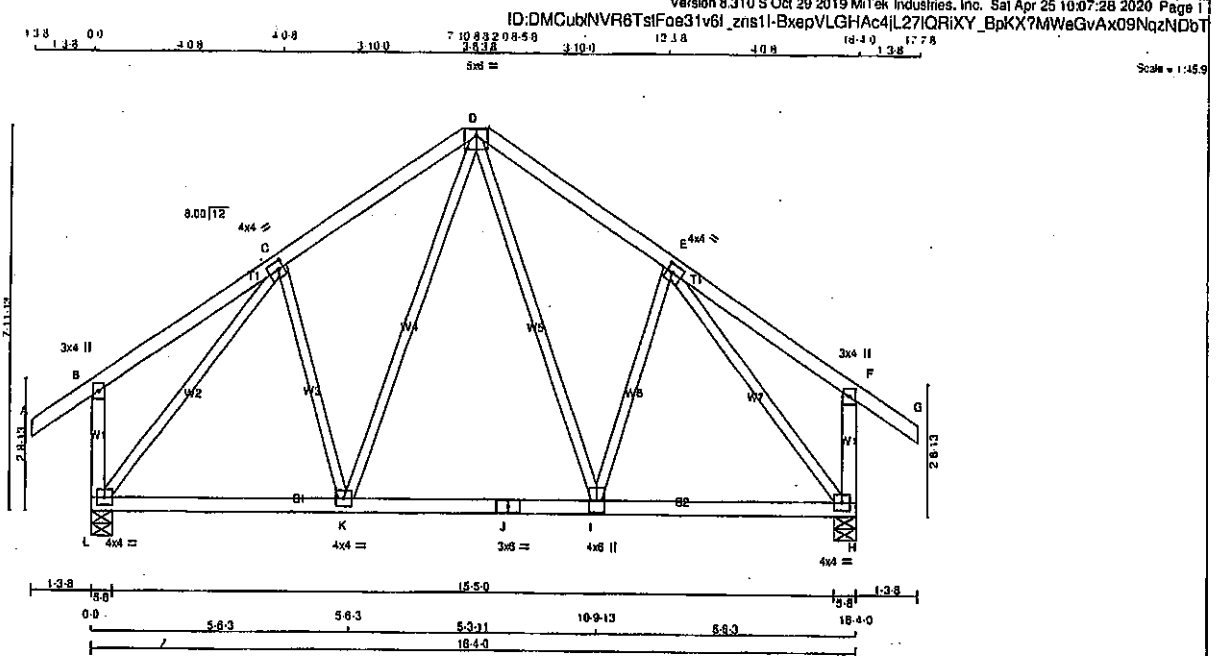
NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.69 (B) (INPUT = 0.90)
JSI METAL = 0.21 (B) (INPUT = 1.00)





LUMBER

N. L. G. A. RULES

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

ALL WEBS 2x3 DRY No.2

EXCEPT

DRY: SEASONED LUMBER.

PLATES (tablets in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV-p	MT20	3.0	4.0		
C	TMVW-1	MT20	4.0	4.0	2.00	1.50
D	TMVW-1	MT20	5.0	6.0	1.50	3.00
E	TMVW-1	MT20	4.0	4.0	2.00	1.50
F	TMV-p	MT20	3.0	4.0		
H	BMVW-1	MT20	4.0	4.0		
I	BMVW-1	MT20	4.0	6.0		
J	BS-1	MT20	3.0	6.0		
K	BMVW-1	MT20	4.0	4.0		
L	BMVW-1	MT20	4.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	RECORD BRG
	VERT	HORZ	DOWN	HORZ		
L	1026	0	1026	0	5-8	5-8
H	1026	0	1026	0	5-8	5-8

UNFACTORED REACTIONS							
JT	1ST CASE	MAX./MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	723	488 / 0	0 / 0	0 / 0	0 / 0	235 / 0	0 / 0
H	723	488 / 0	0 / 0	0 / 0	0 / 0	235 / 0	0 / 0

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO				FR-TO			
A-B	0 / 35	-91.8	-91.8	0.12 (1)	10.00	C-K	-105 / 24	0.05 (1)	
B-C	0 / 25	-91.8	-91.8	0.25 (1)	10.00	K-D	0 / 222	0.05 (1)	
C-D	-671 / 0	-91.8	-91.8	0.20 (1)	6.25	D-E	0 / 222	0.05 (1)	
D-E	-669 / 0	-91.8	-91.8	0.20 (1)	6.25	E-F	-105 / 24	0.05 (1)	
E-F	0 / 25	-91.8	-91.8	0.25 (1)	10.00	F-G	-917 / 0	0.65 (1)	
F-G	0 / 35	-91.8	-91.8	0.12 (1)	10.00	G-H	-917 / 0	0.65 (1)	
L-B	-264 / 0	0.0	0.0	0.04 (1)	7.81				
H-F	-264 / 0	0.0	0.0	0.04 (1)	7.81				
L-K	0 / 567	-18.5	-18.5	0.17 (4)	10.00				
K-J	0 / 466	-18.5	-18.5	0.16 (4)	10.00				
J-I	0 / 466	-18.5	-18.5	0.16 (4)	10.00				
I-H	0 / 567	-18.5	-18.5	0.17 (4)	10.00				

TOTAL WEIGHT = 2 X 81 = 162 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL. (LL) = L/360 (0.54")

CALCULATED VERT. DEFL. (LL) = L/899 (0.02")

ALLOWABLE DEFL. (TL) = L/360 (0.54")

CALCULATED VERT. DEFL. (TL) = L/899 (0.04")

CSI: TC=0.25/1.00 (E-F:1), BC=0.17/1.00 (H-I:4), WB=0.65/1.00 (C-L: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

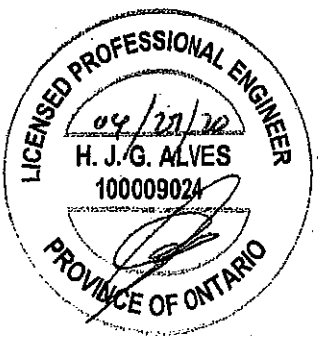
PLATE	GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	616	354	1667
	788	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

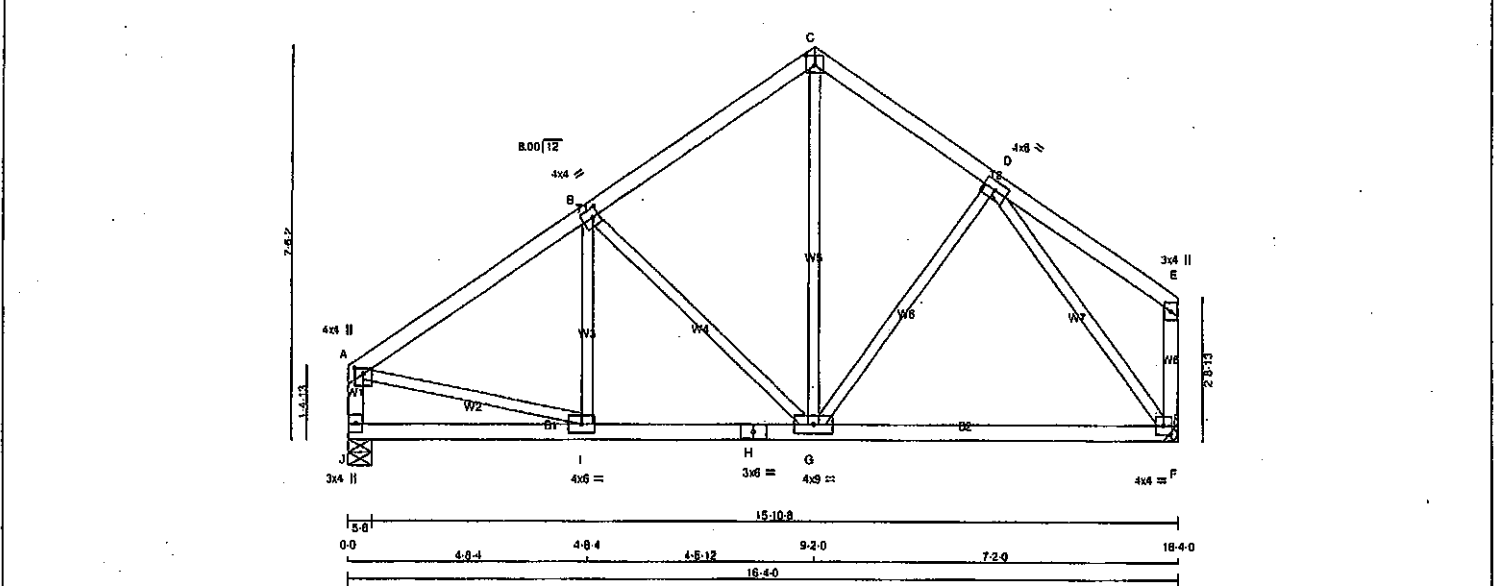
JSI GRIP = 0.81 (C) (INPUT = 0.90)

JSI METAL = 0.34 (C) (INPUT = 1.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408131	T12	3	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					

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LUMBER N. L. G. A. RULES CHORDS SIZE LUMBER DESCR. TOTAL WEIGHT = 3 X 71 = 214 lb

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY No.2	SPF
C - E	2x4	DRY No.2	SPF
J - A	2x4	DRY No.2	SPF
F - E	2x4	DRY No.2	SPF
J - H	2x4	DRY No.2	SPF
H - F	2x4	DRY No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.25	2.00
B	TMVW-t	MT20	4.0	4.0	2.00	1.50
C	TTW-p	MT20	4.0	4.0	2.25	2.00
D	TMVW-t	MT20	4.0	4.0		
E	TMV+p	MT20	3.0	4.0		
F	BMVW-t	MT20	4.0	4.0		
G	BMVW-t	MT20	4.0	4.0		
H	SS-t	MT20	3.0	4.0		
I	BMVW-t	MT20	4.0	4.0		
J	BMV+p	MT20	3.0	4.0		

BEARINGS

FACTORED GROSS REACTION MAXIMUM FACTORED INPUT REQD

JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
J	900	0	900	0	0	5-8	5-8
F	900	0	900	0	0	MECHANICAL	

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

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS
J	637	418 / 0 0 / 0 0 / 0 219 / 0 0 / 0
F	637	418 / 0 0 / 0 0 / 0 219 / 0 0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.17 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 LC1 MAX (PLF) MAX. UNBRACED LENGTH FR-TO

FR-TO A-B -904 / 0 -91.8 -91.8 0.25 (1) 6.17 I-B -104 / 28 0.03 (1)

B-C -848 / 0 -91.8 -91.8 0.25 (1) 6.25 B-G -358 / 0 0.24 (1)

C-D -640 / 0 -91.8 -91.8 0.15 (1) 6.25 G-C 0 / 407 0.09 (1)

D-E 0 / 21 -91.8 -91.8 0.19 (1) 10.00 G-D -37 / 32 0.02 (1)

J-A -861 / 0 0.0 0.0 0.09 (1) 7.81 A-I 0 / 795 0.18 (1)

F-E -128 / 0 0.0 0.0 0.02 (1) 7.81 D-F -898 / 0 0.54 (1)

J-I 0 / 0 -18.5 -18.5 0.09 (4) 10.00

I-H 0 / 775 -18.5 -18.5 0.26 (4) 10.00

H-G 0 / 775 -18.5 -18.5 0.26 (4) 10.00

G-F 0 / 537 -18.5 -18.5 0.24 (4) 10.00

WEBS

MEMB. MAX. FACTORED FORCE (LBS) MAX. UNBRACED LENGTH FR-TO

FR-TO A-B -904 / 0 -91.8 -91.8 0.25 (1) 6.17 I-B -104 / 28 0.03 (1)

B-C -848 / 0 -91.8 -91.8 0.25 (1) 6.25 B-G -358 / 0 0.24 (1)

C-D -640 / 0 -91.8 -91.8 0.15 (1) 6.25 G-C 0 / 407 0.09 (1)

D-E 0 / 21 -91.8 -91.8 0.19 (1) 10.00 G-D -37 / 32 0.02 (1)

J-A -861 / 0 0.0 0.0 0.09 (1) 7.81 A-I 0 / 795 0.18 (1)

F-E -128 / 0 0.0 0.0 0.02 (1) 7.81 D-F -898 / 0 0.54 (1)

J-I 0 / 0 -18.5 -18.5 0.09 (4) 10.00

I-H 0 / 775 -18.5 -18.5 0.26 (4) 10.00

H-G 0 / 775 -18.5 -18.5 0.26 (4) 10.00

G-F 0 / 537 -18.5 -18.5 0.24 (4) 10.00

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

OL = 6.0 PSF

BOT CH. LL = 0.0 PSF

OL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR

SMALL BUILDING REQUIREMENTS OF PART 9,

NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, 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 6.4 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 (0.02")

ALLOWABLE DEFL.(TL) = L/360 (0.54")

CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.25/1.00 (A-B:1), BC=0.28/1.00 (G-I:4),

WB=0.54/1.00 (D-F:1), SSI=0.17/1.00 (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 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

JSI METAL= 0.29 (H) (INPUT = 1.00)

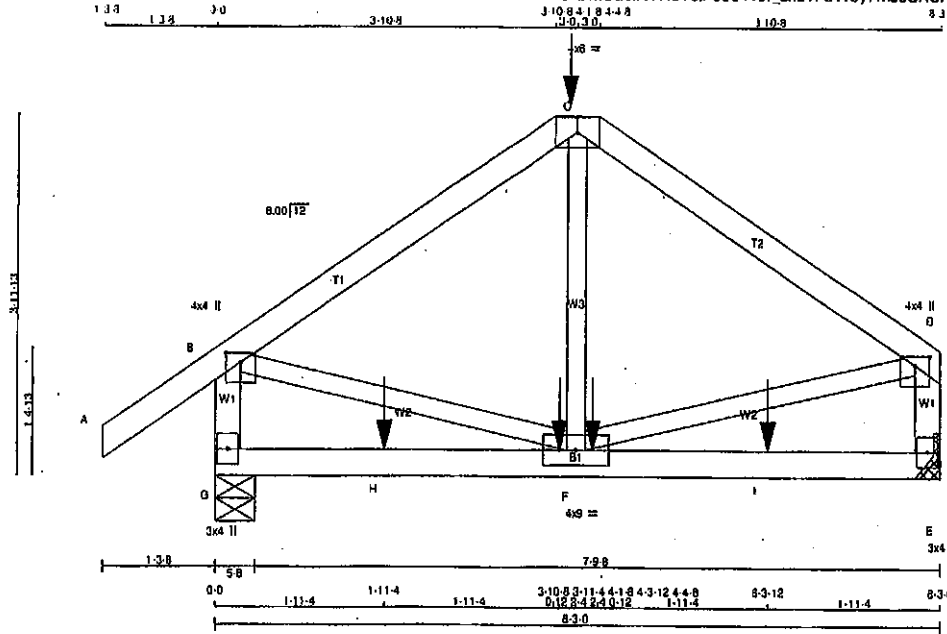


Structural component only
DWG# T-2007023

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408131	T13	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:24.4

TOTAL WEIGHT = 34 lb

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

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
C	TTW+p	MT20	4.0	6.0		
D	TMVW+p	MT20	4.0	4.0	1.25	2.00
E	BMV1+p	MT20	3.0	4.0		
F	BMVWW-t	MT20	4.0	9.0		
G	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
G	879	0	879	0
E	753	0	753	0

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

UNFACTORED REACTIONS

1ST CASE	MAX/MIN. COMPONENT REACTIONS					
JT	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
G	619	420 / 0	0 / 0	0 / 0	199 / 0	0 / 0
E	533	350 / 0	0 / 0	0 / 0	183 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 MAX (PLF)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	FR-TO	
A-B	0 / 35	-91.8 -91.8 0.14 (1)	B-F	0 / 588
B-C	-682 / 0	-91.8 -91.8 0.31 (1)	F-D	0 / 588
C-D	-682 / 0	-91.8 -91.8 0.31 (1)	F-C	-149 / 67
G-B	-842 / 0	0.0 0.0 0.10 (1)		
E-D	-716 / 0	0.0 0.0 0.08 (1)		
G-H	0 / 0	-18.5 -18.5 0.13 (4)		
H-F	0 / 0	-18.5 -18.5 0.13 (4)		
F-I	0 / 0	-18.5 -18.5 0.13 (4)		
I-E	0 / 0	-18.5 -18.5 0.13 (4)		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	4-1-8	-527	-527	---	BACK	VERT	TOTAL	---	C1
F	3-11-4	-17	-17	---	BACK	VERT	TOTAL	---	C1
F	4-3-12	-17	-17	---	BACK	VERT	TOTAL	---	C1
H	1-11-4	-17	-17	---	BACK	VERT	TOTAL	---	C1
I	8-3-12	-17	-17	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

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

SPACING = 24.0 IN C/C

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.28")
CALCULATED VERT. DEFL.(LL) = L/899 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.28")
CALCULATED VERT. DEFL.(TL) = L/999 (0.02")

CSI: TC=0.31/1.00 (C-D:1), BC=0.13/1.00 (E-F:4), WB=0.15/1.00 (B-F:1), SSI=0.14/1.00 (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 (PSI)	SECTION (PLI)	SECTION (PLI)
		MAX MIN	MAX MIN
MT20	618	354	1667 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.67 (B) (INPUT = 0.90)
JSI METAL= 0.20 (B) (INPUT = 1.00)

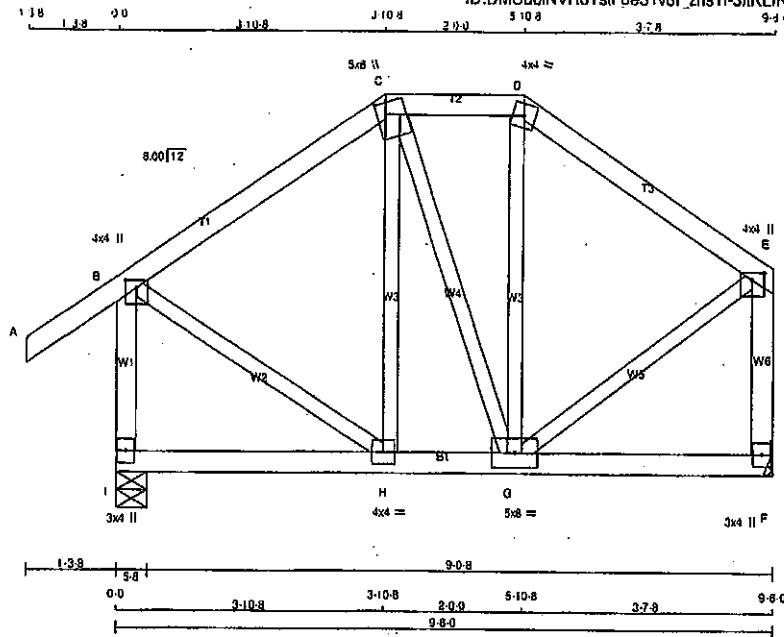


Structural component only
DWG# T-2007024

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408131	T14	2	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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Scale = 1:31.1

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
C	TTWW+m	MT20	5.0	6.0	2.00	1.50
D	TTWW-m	MT20	4.0	4.0		
E	TMVW+p	MT20	4.0	4.0	1.25	2.00
F	BMV1+p	MT20	3.0	4.0		
G	BMWWW-l	MT20	5.0	8.0		
H	BMWW-l	MT20	4.0	4.0		
I	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
I	650	0	650	0
F	524	0	524	0

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

UNFACTORED REACTIONS

JT	1ST LGASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
I	457	313 / 0	0 / 0	0 / 0	0 / 0	0 / 0	144 / 0	0 / 0
F	370	243 / 0	0 / 0	0 / 0	0 / 0	0 / 0	127 / 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)

MEMB.	CHORDS	MAX. FACTORED	VERT. LOAD	FACTORED	MAX. UNBRACED	MEMB.	WEBS	MAX. FACTORED
		(LBS)	(PLF)	CSF (LC)	LENGTH			(LBS)
FR-TO						FR-TO		
A-B	0 / 35	-91.8	-91.8	0.12 (1)	10.00	H-C	-87 / 16	0.04 (1)
B-C	-287 / 0	-91.8	-91.8	0.18 (1)	6.25	C-G	-19 / 0	0.01 (1)
C-D	-238 / 0	-91.8	-91.8	0.05 (1)	6.25	G-D	-87 / 9	0.04 (1)
D-E	-289 / 0	-91.8	-91.8	0.15 (1)	6.25	B-H	0 / 288	0.08 (1)
I-B	-618 / 0	0.0	0.0	0.09 (1)	7.81	G-E	0 / 292	0.07 (1)
F-E	-433 / 0	0.0	0.0	0.08 (1)	7.81			
I-H	0 / 0	-18.5	-18.5	0.06 (4)	10.00			
H-G	0 / 245	-18.5	-18.5	0.08 (4)	10.00			
G-F	0 / 0	-18.5	-18.5	0.05 (4)	10.00			

TOTAL WEIGHT = 2 X 50 = 99 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 2010, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.32")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.32")
CALCULATED VERT. DEFL.(TL) = L/999 (0.01")

CSI: TC=0.18/1.00 (B-C:1), BC=0.08/1.00 (G-H:4), WB=0.07/1.00 (E-G:1), SS=0.12/1.00 (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)
MAX MIN	MAX MIN
MT20	818 354 1687 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.43 (B) (INPUT = 0.90)
JSI METAL=0.13 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007025



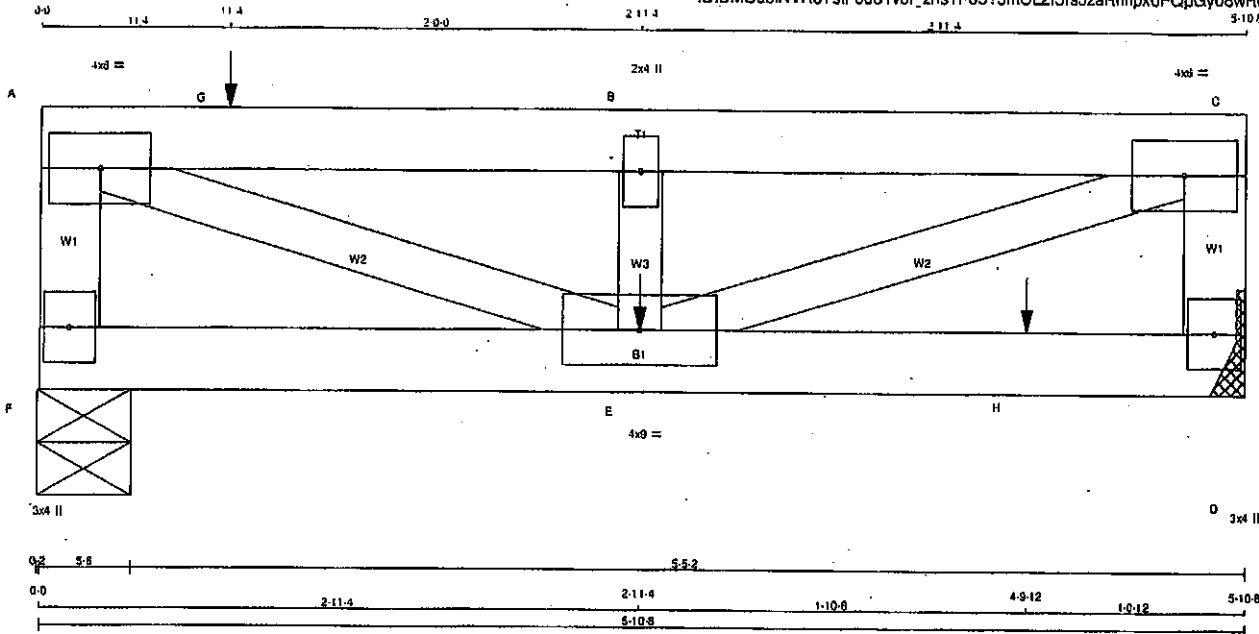
JSI GRIP= 0.48 (F) (INPUT = 0.90)
JSI METAL= 0.14 (F) (INPUT = 1.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408131	T16	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:DMCubINVR6TsiFoe31v6l_zns11-0575mOL2ISrs3zaRnhpxoFQpGy08wRonYtTToUzNDbn

Scale = 1:10.3



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

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS		
F - A	12	TOP
A - C	12	TOP
C - D	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
F - D	11	SIDE(97.1)
WEBS: (0.122"x3") SPIRAL NAILS		
B - E	6	SIDE(34.7)
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-1	MT20	4.0	6.0		
B	TMVW-1	MT20	2.0	4.0		
C	TMVW-1	MT20	4.0	6.0		
D	BMV1-p	MT20	3.0	4.0		
E	BMVW-1	MT20	4.0	6.0		

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

BEARINGS

BEARINGS		FACTORED			MAXIMUM FACTORED			INPUT	REQRO
		GROSS REACTION		GROSS REACTION				BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX		
F	1280	0	1280	0	0	5-8 (5-6)	5-8		
D	1182	0	1182	0	0	MECHANICAL			

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 2-0.

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

UNFACTORED REACTIONS

	1ST CASE	MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	895	563 / 0	0 / 0	0 / 0	0 / 0	333 / 0	0 / 0
D	828	518 / 0	0 / 0	0 / 0	0 / 0	308 / 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 = 5.75 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 MAX. CS1 (LC)	MAX. UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
FR-TO									
F-A	-1214 / 0	0.0	0.0	0.07 (1)	7.81	A-E	0 / 2094	0.26 (1)	
A-G	-1973 / 0	-91.8	-91.8	0.35 (1)	5.75	E-B	-548 / 0	0.04 (1)	
G-B	-1973 / 0	-91.8	-91.8	0.35 (1)	5.75	E-C	0 / 2094	0.26 (1)	
B-C	-1973 / 0	-91.8	-91.8	0.10 (1)	6.14				
D-C	-794 / 0	0.0	0.0	0.04 (1)	7.81				
F-E	0 / 0	-43.5	-43.5	0.06 (4)	10.00				
E-H	0 / 0	-43.5	-43.5	0.27 (1)	10.00				
H-D	0 / 0	-43.5	-43.5	0.27 (1)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
E	2-11.4	-505	-505	---	FRONT	VERT	TOTAL	---	C1
G	11.4	-817	-817	---	TOP	VERT	TOTAL	---	C1
H	4-9.12	-505	-505	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH. LL = 25.8 PSF
DL = 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

*** NON STANDARD GIRDER ***

ADDTL USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

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

THIS DESIGN COMPLIES WITH:

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

(55 % OF 31.3 P.S.F. 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 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/999 (0.04")

CS1: TC=0.35/1.00 (A-B:1), SC=0.27/1.00 (D-E:1), WB=0.28/1.00 (A-E:1), SS1=0.22/1.00 (A-B:1)

DDL 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

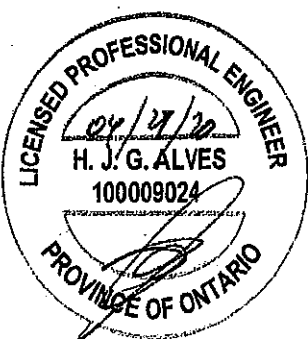
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)	MAX MIN	MAX MIN	MAX MIN
MT20	618	354	1667	788	1987 1659

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.88 (C) INPUT = 0.80
JSI METAL = 0.25 (C) INPUT = 1.00



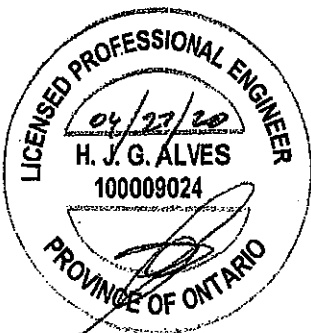
Structural component only
DWG# T-2007027 1/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408131	T16	1	2	TRUSS DESC.		

Hamrack Roof Truss, Burlington

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ID:DMCubINVR6TsFoe31v6I zns11-0575mOL2ISrs3zaRnhoxoFQpGy08wRonYITTbUzNDbN

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

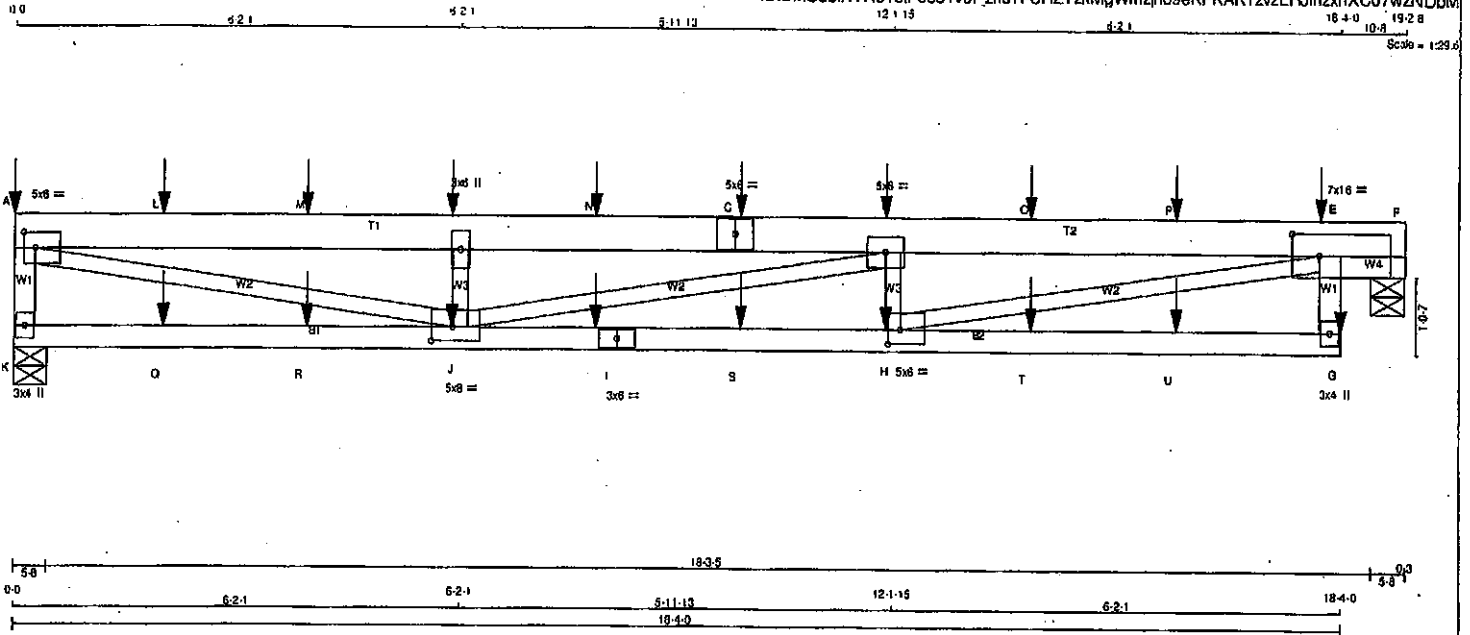


Structural component only
DWG# T-2007027 2/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408131	T17	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TslF0e31v6l_zns11-UH2TzkMgWmzh69eKPKAKTzvtLHJnzxnXC07wzND6M



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
K - A	2x4	DRY	No.2	SPF	
A - C	2x6	DRY	No.2	SPF	
C - F	2x6	DRY	No.2	SPF	
E - F	2x4	DRY	No.2	SPF	
G - E	2x4	DRY	No.2	SPF	
K - I	2x4	DRY	No.2	SPF	
I - G	2x4	DRY	No.2	SPF	

ALL WEBS 2x3 DRY No.2 SPF
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 1 12	TOP	
E - G 1 6	SIDE(35.8)	
A - C 2 12	SIDE(183.1)	
C - F 2 12	SIDE(183.1)	
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
K - I 1 12	SIDE(61.0)	
I - G 1 12	SIDE(61.0)	
WEBS : (0.122"x3") SPIRAL NAILS		
H - D 1 6	SIDE(34.0)	
J - B 1 6	SIDE(34.0)	
2x3 1 6		
2x4 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 GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
K	1740	0	1740	0
F	1670	0	1670	0

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

UNFACTORED REACTIONS

JT	1ST LOASE	MAX/MIN. COMPONENT REACTIONS
K	COMBINED	SNOW LIVE PERM.LIVE WIND DEAD SOIL
K	1229	818/0 0/0 0/0 0/0 413/0 0/0
F	1180	779/0 0/0 0/0 0/0 401/0 0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.19 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. VERT. LOAD (LBS)	MAX. HORZ. LOAD (LBS)	MAX. UNBRACED LENGTH (FT)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. HORZ. LOAD (LBS)
FR-TO						FR-TO		
K-A	-1845/0	0.0	0.0	0.08 (1)	7.81	H-E	0/5759	0.71 (1)
A-L	-5118/0	-91.8	-91.8	0.26 (1)	4.91	A-J	0/5250	0.85 (1)
L-M	-5118/0	-91.8	-91.8	0.26 (1)	4.91	H-D	-1023/0	0.08 (1)
M-B	-5118/0	-91.8	-91.8	0.26 (1)	4.91	J-B	-775/0	0.08 (1)
B-N	-5118/0	-91.8	-91.8	0.19 (1)	4.99	J-D	-510/0	0.18 (1)
N-C	-5118/0	-91.8	-91.8	0.19 (1)	4.99			
C-D	-5118/0	-91.8	-91.8	0.19 (1)	4.99			
D-O	-5615/0	-91.8	-91.8	0.61 (1)	4.19			
O-P	-5615/0	-91.8	-91.8	0.61 (1)	4.19			
P-E	-5615/0	-91.8	-91.8	0.61 (1)	4.19			
E-F	-653/0	-91.8	-91.8	0.32 (1)	6.25			
G-E	0/154	0.0	0.0	0.01 (4)	10.00			
K-Q	0/0	-18.5	-18.5	0.12 (4)	10.00			
Q-R	0/0	-18.5	-18.5	0.12 (4)	10.00			
R-U	0/0	-18.5	-18.5	0.12 (4)	10.00			
J-I	0/5615	-18.5	-18.5	0.60 (1)	10.00			
I-S	0/5615	-18.5	-18.5	0.60 (1)	10.00			
S-H	0/5615	-18.5	-18.5	0.60 (1)	10.00			
H-T	0/0	-18.5	-18.5	0.13 (1)	10.00			
T-U	0/0	-18.5	-18.5	0.13 (1)	10.00			
U-G	0/0	-18.5	-18.5	0.13 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
A	0-0	-125	-125	---	BACK	VERT	TOTAL	---	C1
B	8-0-12	-82	-82	---	BACK	VERT	TOTAL	---	C1
C	10-0-12	-82	-82	---	BACK	VERT	TOTAL	---	C1
D	12-0-12	-82	-82	---	BACK	VERT	TOTAL	---	C1
E	18-0-12	-82	-82	---	BACK	VERT	TOTAL	---	C1
G	18-4-0	-56	-56	---	BACK	VERT	TOTAL	---	C1
H	12-0-12	-49	-49	---	BACK	VERT	TOTAL	---	C1
I	8-0-12	-49	-49	---	BACK	VERT	TOTAL	---	C1
J	5-0-12	-49	-49	---	BACK	VERT	TOTAL	---	C1
L	2-0-12	-82	-82	---	BACK	VERT	TOTAL	---	C1
M	-4-0-12	-82	-82	---	BACK	VERT	TOTAL	---	C1
N	8-0-12	-82	-82	---	BACK	VERT	TOTAL	---	C1
O	-4-0-12	-82	-82	---	BACK	VERT	TOTAL	---	C1
P	16-0-12	-82	-82	---	BACK	VERT	TOTAL	---	C1
Q	2-0-12	-49	-49	---	BACK	VERT	TOTAL	---	C1

TOTAL WEIGHT = 2 X 75 = 149 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 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) = $L/360$ (0.61")
CALCULATED VERT. DEFL. (LL) = $L/984$ (0.23")
ALLOWABLE DEFL. (TL) = $L/360$ (0.61")
CALCULATED VERT. DEFL. (TL) = $L/521$ (0.42")

CSI: TC=0.61/1.00 (D-E:1), BC=0.80/1.00 (H-J:1),
WB=0.71/1.00 (E-H:1), SS=0.31/1.00 (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 (PSI)	SECTION (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 = 0.90 (J) (INPUT = 0.90)
JSI METAL = 0.95 (I) (INPUT = 1.00)



Structural component only
DWG# T-2007028 1/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408131	T17	1	2	TRUSS DESC.		

Pamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6l_zns1f-UHZTzkMgWmzh69aKPKAKTzyzLHJlnzxXC07wzNDbM

PLATES (table is in inches)

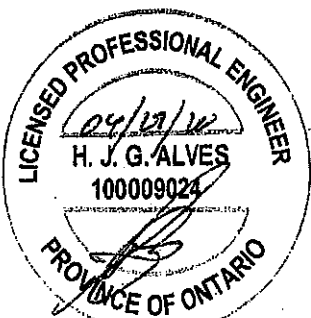
JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-I	MT20	5.0	6.0	2.50	2.00
B	TMVW-w	MT20	3.0	6.0		
C	TS-I	MT20	5.0	6.0		
D	TMVW-I	MT20	5.0	6.0		
E	TMVWV-I	MT20	7.0	16.0	3.50	4.50
G	BMV-I-p	MT20	3.0	4.0		
H	BMVW-I	MT20	5.0	6.0	2.25	2.00
I	BS-I	MT20	3.0	6.0		
J	BMVWV-I	MT20	5.0	6.0	2.25	3.50
K	BMV-I-p	MT20	3.0	4.0		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
R	4-0-12	-49	-49	---	BACK	VERT	TOTAL	---	C1
S	10-0-12	-49	-49	---	BACK	VERT	TOTAL	---	C1
T	14-0-12	-49	-49	---	BACK	VERT	TOTAL	---	C1
U	16-0-12	-49	-49	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

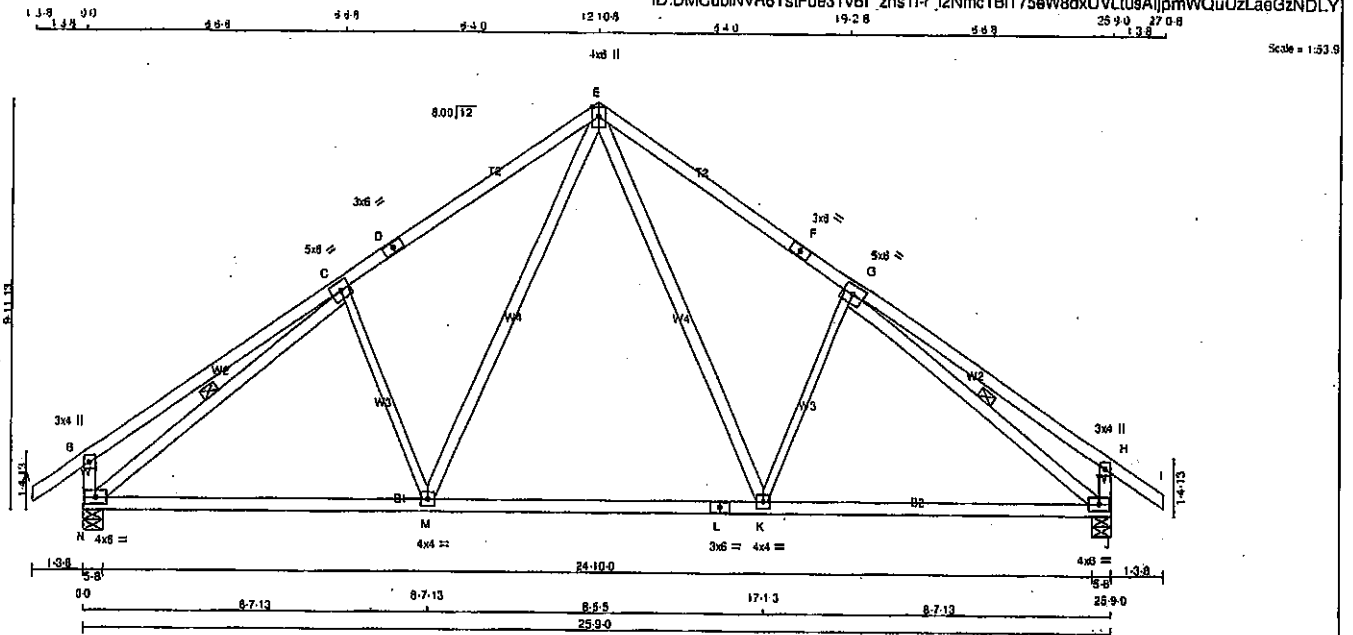
- 1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408132	T20	4	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6I_zns11-r_2NmctB1T75eW8dxUVLusAljpmWQOuUzLagGzNDLY



TOTAL WEIGHT = 4 X 121 = 486 lb
(M/F)

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	W	LEN	Y	X
JT TYPE				
B TMV+p	MT20	3.0	4.0	
C TMWW+1	MT20	5.0	6.0	
D TS-1	MT20	3.0	6.0	
E TTWW+p	MT20	4.0	6.0	Edge
F TS-1	MT20	3.0	6.0	
G TMWW+1	MT20	5.0	6.0	
H TMV+p	MT20	3.0	4.0	
J BMVW+1	MT20	4.0	6.0	
K BMWW+1	MT20	4.0	4.0	
L BS-1	MT20	3.0	6.0	
M BMWW+1	MT20	4.0	4.0	
N BMVW+1	MT20	4.0	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
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	HORZ	UPLIFT
N	1545	0	0	5-8
J	1545	0	0	5-8

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS						
JT COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	
N	1091	729 / 0	0 / 0	0 / 0	362 / 0	0 / 0	
J	1091	729 / 0	0 / 0	0 / 0	362 / 0	0 / 0	

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.72 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 C-N, 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	MAX. FACTORED	FACTORED	MAX. FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE	VERT. LOAD	LC1 MAX	MEMB.	FORCE
	(LBS)	(PLF)	CSI (LC)		(LBS)
FR-TO		FROM TO	LENGTH	FR-TO	
A-B	0 / 35	-91.8 -91.8	0.12 (1)	E-K	0 / 619
B-C	0 / 40	-91.8 -91.8	0.03 (1)	K-G	-428 / 0
C-D	-1469 / 0	-91.8 -91.8	0.58 (1)	M-E	0 / 619
D-E	-1469 / 0	-91.8 -91.8	0.58 (1)	C-M	-428 / 0
E-F	-1469 / 0	-91.8 -91.8	0.58 (1)	N-C	-1767 / 0
F-G	-1469 / 0	-91.8 -91.8	0.58 (1)	G-J	-1767 / 0
G-H	0 / 40	-91.8 -91.8	0.63 (1)		
H-I	0 / 35	-91.8 -91.8	0.12 (1)		
N-B	-347 / 0	0.0 0.0	0.04 (1)		
J-H	-347 / 0	0.0 0.0	0.04 (1)		
N-M	0 / 1356	-18.5 -18.5	0.42 (4)		
M-L	0 / 942	-18.5 -18.5	0.39 (4)		
L-K	0 / 942	-18.5 -18.5	0.39 (4)		
K-J	0 / 1356	-18.5 -18.5	0.42 (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

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL. (LL) = L/360 (0.88")
CALCULATED VERT. DEFL. (LL) = L/999 (0.08")
ALLOWABLE DEFL. (TL) = L/360 (0.88")
CALCULATED VERT. DEFL. (TL) = L/999 (0.19")

CSI: TC=0.63/1.00 (B-C:1), BC=0.42/1.00 (J-K:4),
WB=0.59/1.00 (C-N:1), SSI=0.24/1.00 (C-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 610 354 1687 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.87 (J) (INPUT = 0.90)
JSI METAL = 0.46 (G) (INPUT = 1.00)

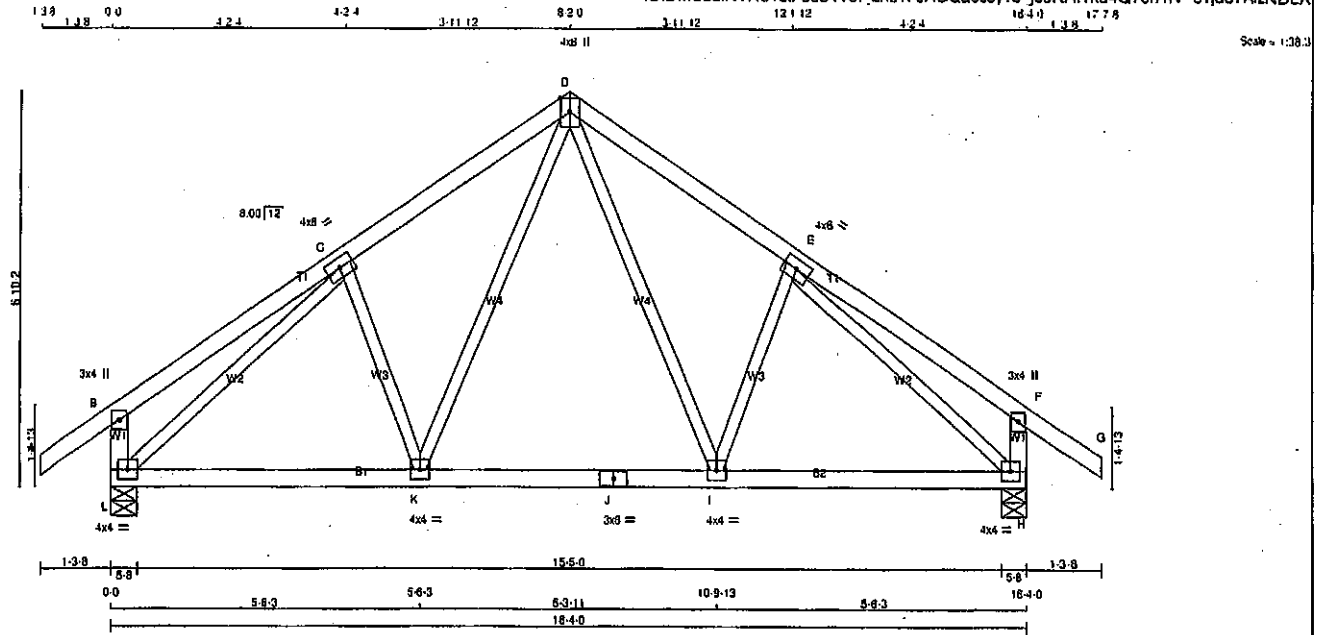


Structural component only
DWG# T-2007030

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408132	T21	4	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6I_zns11-JAGQa6c5y?b_jo5KAf7ku4Q70i7hV_ctjd57AizNDLX



TOTAL WEIGHT = 4 X 73 = 291 lb (M/F)

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

ALL WEBS 2x3 DRY No.2 SPF

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-i	MT20	4.0	8.0		
D	TTWW+p	MT20	4.0	8.0	Edge	
E	TMWW-i	MT20	4.0	8.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVW-i	MT20	4.0	4.0		
I	BMVW-i	MT20	4.0	4.0		
J	BS-i	MT20	3.0	8.0		
K	BMVW-i	MT20	4.0	4.0		
L	BMVW-i	MT20	4.0	4.0		

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	HORZ	UP/LIFT	BRG	BRG	IN-SX
L	1026	0	1026	0	0	5-8	5-8	5-8	5-8
H	1026	0	1026	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	723	488 / 0	0 / 0	0 / 0	0 / 0	235 / 0	0 / 0
H	723	488 / 0	0 / 0	0 / 0	0 / 0	235 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		MAX. FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LCI MAX	MAX. UNBRAC	MEMB.	FORCE (LBS)	MAX. UNBRAC	MEMB.	FORCE (LBS)
FR-TO		FROM TO	CS (LC)	LENGTH	FR-TO			FR-TO	
A-B	0 / 35	-91.8 -91.8	0.12 (1)	10.00	D-I	0 / 338	0.08 (1)		
B-C	0 / 24	-91.8 -91.8	0.24 (1)	10.00	I-E	-219 / 0	0.08 (1)		
C-D	-851 / 0	-91.8 -91.8	0.19 (1)	8.25	K-D	0 / 338	0.08 (1)		
D-E	-851 / 0	-91.8 -91.8	0.19 (1)	8.25	C-K	-219 / 0	0.08 (1)		
E-F	0 / 24	-91.8 -91.8	0.24 (1)	10.00	L-C	-1048 / 0	0.53 (1)		
F-G	0 / 35	-91.8 -91.8	0.12 (1)	10.00	E-H	-1048 / 0	0.53 (1)		
L-B	-269 / 0	0.0	0.0	0.03 (1)	7.81				
H-F	-269 / 0	0.0	0.0	0.03 (1)	7.81				
L-K	0 / 787	-18.5 -18.5	0.19 (1)	10.00					
K-J	0 / 581	-18.5 -18.5	0.17 (4)	10.00					
J-I	0 / 581	-18.5 -18.5	0.17 (4)	10.00					
I-H	0 / 787	-18.5 -18.5	0.19 (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

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 25.8 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 (0.05")

CSI: TC=0.24/1.00 (B-C:1), SC=0.19/1.00 (H-I:1),
WB=0.53/1.00 (C-L:1), SS=0.15/1.00 (C-O:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

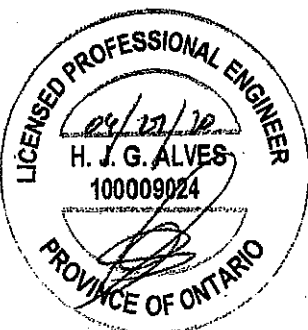
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.89 (H) (INPUT = 0.90)
JSI METAL = 0.29 (L) (INPUT = 1.00)

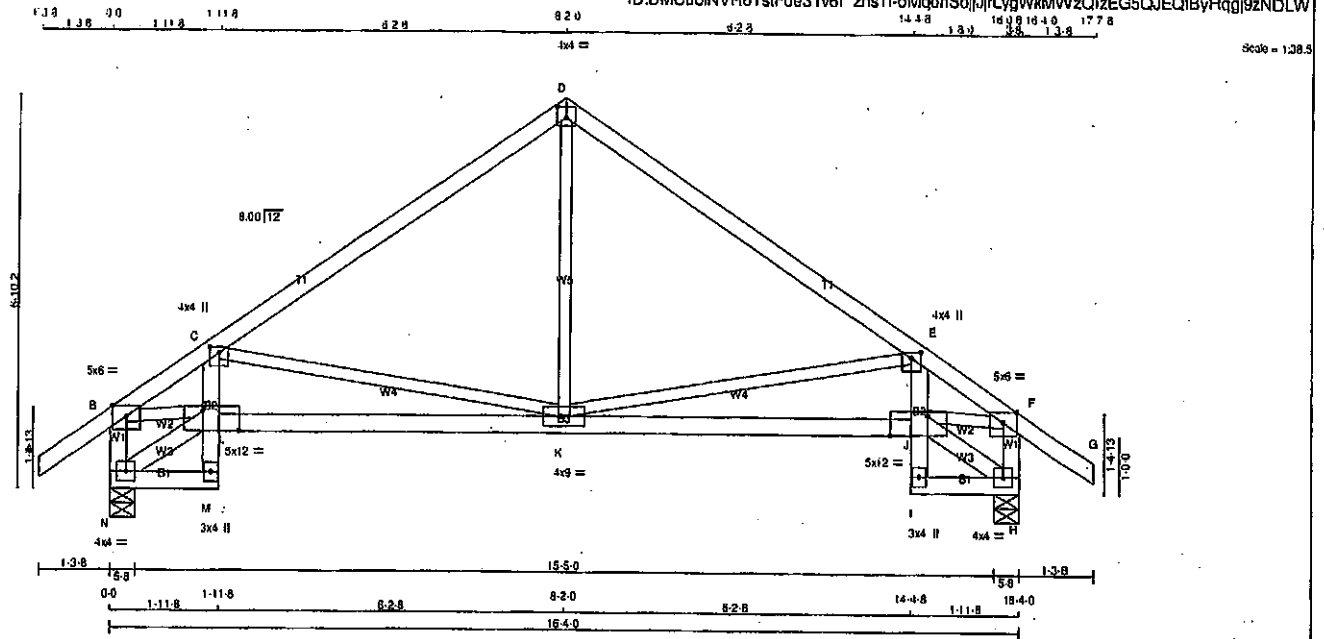


Structural component only
DWG# T-2007031

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408132	T21S	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6l zns11-oMgonSdijrLvgWkMWzOlzEG5QJEQ1ByHqgI9zNDLW



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR
A - D	2x4	DRY	No.2	SPF		
D - G	2x4	DRY	No.2	SPF		
N - B	2x4	DRY	No.2	SPF		
H - F	2x4	DRY	No.2	SPF		
N - M	2x4	DRY	No.2	SPF		
M - C	2x4	DRY	No.2	SPF		
L - J	2x4	DRY	No.2	SPF		
I - E	2x4	DRY	No.2	SPF		
I - H	2x4	DRY	No.2	SPF		
ALL WEBS	2x3	DRY	No.2	SPF		
EXCEPT						
N - L	2x4	DRY	No.2	SPF		
J - H	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	8.0	Edge		
C	TMVW-p	MT20	4.0	4.0	1.25	2.00	
D	TTW-p	MT20	4.0	4.0	2.25	2.00	
E	TMVW-p	MT20	4.0	4.0	1.25	2.00	
F	TMVW-p	MT20	5.0	8.0	Edge		
H	BMVW1-I	MT20	4.0	4.0			
I	BMV-p	MT20	3.0	4.0			
J	BMVWW-I	MT20	5.0	12.0	4.00	8.00	
K	BMVWW-I	MT20	4.0	9.0			
L	BMVWW-I	MT20	5.0	12.0	4.00	8.00	
M	BMV-p	MT20	3.0	4.0			
N	BMVW1-I	MT20	4.0	4.0			

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
GROSS REACTION	GROSS REACTION	BRG	BRG	
JT VERT	JT VERT	IN-SX	IN-SX	
N 1026 0	1026 0	5-8	5-8	
H 1026 0	1026 0	5-8	5-8	

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	723	488 / 0	0 / 0	0 / 0	0 / 0	235 / 0	0 / 0
H	723	488 / 0	0 / 0	0 / 0	0 / 0	235 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.83 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.	MAX. FACTORED	MAX
MEMB.	FORCE	VERT. LOAD	LC1	MAX	MAX.	MEMB.	FORCE	MAX	
(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	(LBS)	
FR-TO	FROM	TO	FROM	TO	LENGTH	FR-TO	FROM	TO	
A-B	0 / 35	-91.8	-91.8	0.12 (1)	10.00	K-D	0 / 405	0.08 (1)	
B-C	-1592 / 0	-91.8	-91.8	0.36 (1)	4.83	K-E	-787 / 0	0.81 (1)	
C-D	-829 / 0	-91.8	-91.8	0.47 (1)	8.01	C-K	-787 / 0	0.81 (1)	
D-E	-829 / 0	-91.8	-91.8	0.47 (1)	6.01	N-L	-68 / 0	0.01 (1)	
E-F	-1592 / 0	-91.8	-91.8	0.36 (1)	4.83	B-L	0 / 1383	0.31 (1)	
F-G	0 / 35	-91.8	-91.8	0.12 (1)	10.00	J-H	-68 / 0	0.01 (1)	
N-B	-974 / 0	0.0	0.0	0.10 (1)	7.81	J-F	0 / 1383	0.31 (1)	
H-F	-974 / 0	0.0	0.0	0.10 (1)	7.81				
N-M	0 / 58	-18.5	-18.5	0.02 (4)	10.00				
M-L	0 / 19	0.0	0.0	0.09 (1)	10.00				
L-C	0 / 84	0.0	0.0	0.10 (1)	10.00				
L-K	0 / 1438	-18.5	-18.5	0.36 (1)	10.00				
K-J	0 / 1438	-18.5	-18.5	0.36 (1)	10.00				
I-J	0 / 19	0.0	0.0	0.09 (1)	10.00				
J-E	0 / 84	0.0	0.0	0.10 (1)	10.00				
I-H	0 / 58	-18.5	-18.5	0.02 (4)	10.00				

TOTAL WEIGHT = 2 X 72 = 145 lb [M/F]

DESIGN CRITERIA

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

SPACING = 24.0 IN/C

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL. (LL) = 1/360 (0.54")
CALCULATED VERT. DEFL. (LL) = 1/999 (0.03")
ALLOWABLE DEFL. (TL) = 1/360 (0.54")
CALCULATED VERT. DEFL. (TL) = 1/999 (0.03")

CSI: TC=0.47/1.00 (C-D:1), BC=0.36/1.00 (K-L:1),
WB=0.61/1.00 (C-K:1), SSI=0.22/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1687 788 1987 1666

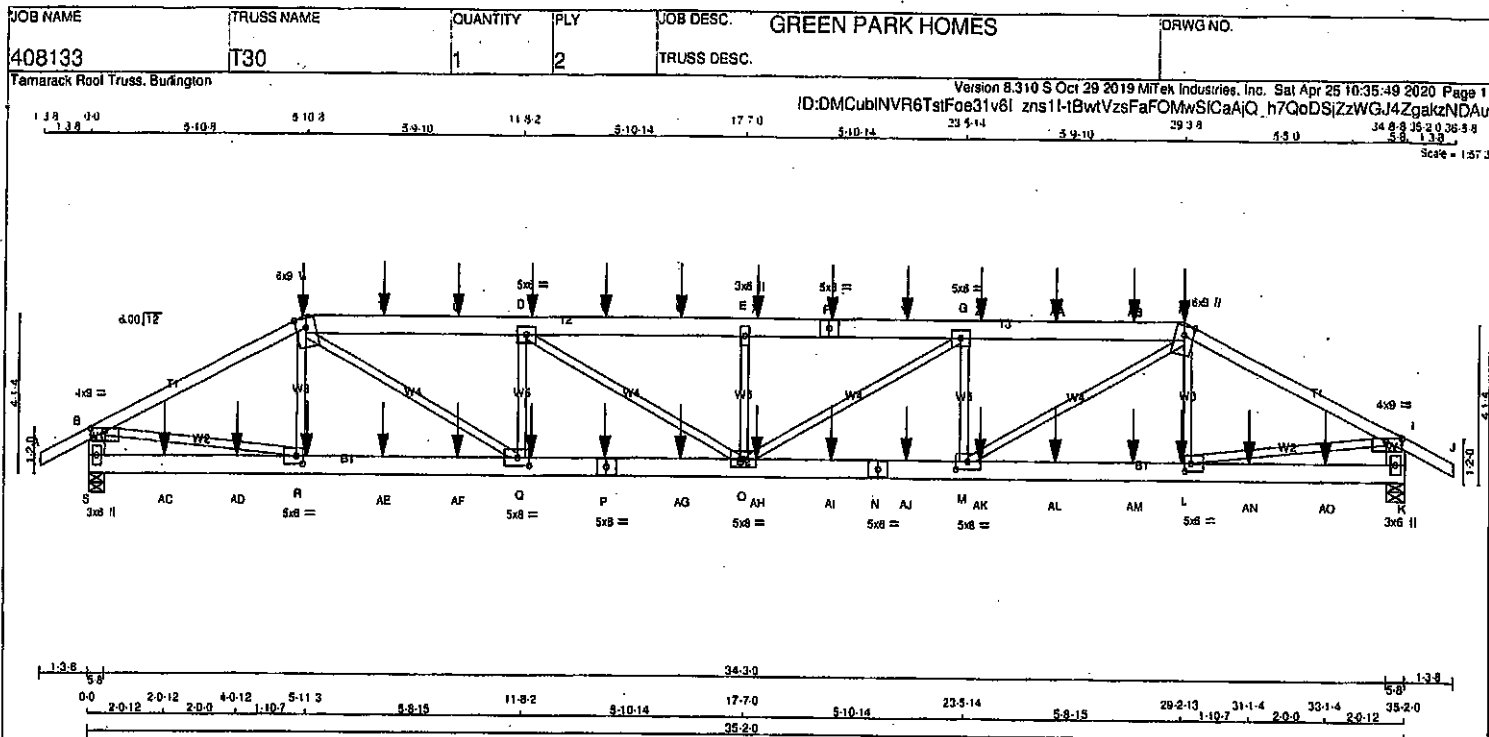
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.69 (F) (INPUT = 0.90)
JSI METAL = 0.33 (L) (INPUT = 1.00)



Structural component only
DWG# T-2007032



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY No.2	SPF
C - F	2x8	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 No.2	SPF
P - N	2x6	DRY No.2	SPF
N - K	2x6	DRY No.2	SPF

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS		
A-C	12	SIDE(81.0)
H-J	12	SIDE(81.0)
C-F	12	SIDE(183.1)
F-H	12	SIDE(81.0)
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(0.0)
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 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 3322 0	DOWN 3322 0	5-8	5-8
S	HORZ 0	HORZ 0	5-8	5-8
K	UPLIFT 3350 0	UPLIFT 3350 0	5-8	5-8

UNFACTORED REACTIONS

	1ST LOASE	MAX/MIN. COMPONENT REACTIONS	LIVE	PERM. LIVE WIND	DEAD	SOIL
JT	COMBINED	SNOW	0/0	0/0	812/0	0/0
S	2350	1538/0	0/0	0/0	820/0	0/0
K	2370	1550/0	0/0	0/0	820/0	0/0

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED MEMB. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	UNBRACED LENGTH	WEBS	MAX. FACTORED MEMB. FORCE (LBS)	MAX. CS1 (LC)
FR-TO					FR-TO		
A-B	0/28	-91.8	-91.8	0.07 (1)	10.00	R-C	-413/18
B-C	-5064/0	-91.8	-91.8	0.52 (1)	3.87	L-H	-411/24
C-T	-7207/0	-91.8	-91.8	0.26 (1)	4.28	B-R	0/4581
T-U	-7207/0	-91.8	-91.8	0.26 (1)	4.28	L-I	0/4825
U-D	-7207/0	-91.8	-91.8	0.26 (1)	4.28	M-H	0/3123
D-V	-8028/0	-91.8	-91.8	0.26 (1)	4.09	C-Q	0/3143
V-W	-8028/0	-91.8	-91.8	0.26 (1)	4.09	M-G	-1484/0
W-E	-8028/0	-91.8	-91.8	0.26 (1)	4.09	Q-D	-1496/0
E-X	-8028/0	-91.8	-91.8	0.27 (1)	4.08	O-G	0/833
X-F	-8028/0	-91.8	-91.8	0.27 (1)	4.08	D-O	0/985
F-Y	-8028/0	-91.8	-91.8	0.27 (1)	4.08	O-E	-821/0
Y-G	-8028/0	-91.8	-91.8	0.27 (1)	4.08		
G-Z	-7234/0	-91.8	-91.8	0.26 (1)	4.27		
Z-AA	-7234/0	-91.8	-91.8	0.26 (1)	4.27		
AA-AB	-7234/0	-91.8	-91.8	0.26 (1)	4.27		
AB-H	-7234/0	-91.8	-91.8	0.26 (1)	4.27		
H-I	-5114/0	-91.8	-91.8	0.52 (1)	3.85		
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	-3276/0	0.0	0.0	0.12 (1)	7.67		

S-AC	0/0	-18.5	-18.5	0.06 (4)	10.00
AC-AD	0/0	-18.5	-18.5	0.06 (4)	10.00
AD-R	0/0	-18.5	-18.5	0.06 (4)	10.00
R-AE	0/4552	-18.5	-18.5	0.34 (1)	10.00
AE-AF	0/4552	-18.5	-18.5	0.34 (1)	10.00
AF-Q	0/4552	-18.5	-18.5	0.34 (1)	10.00
Q-P	0/7206	-18.5	-18.5	0.53 (1)	10.00
P-AG	0/7206	-18.5	-18.5	0.53 (1)	10.00
AG-O	0/7206	-18.5	-18.5	0.53 (1)	10.00
O-AH	0/7234	-18.5	-18.5	0.53 (1)	10.00
AH-AI	0/7234	-18.5	-18.5	0.53 (1)	10.00
AI-N	0/7234	-18.5	-18.5	0.53 (1)	10.00
N-AJ	0/7234	-18.5	-18.5	0.53 (1)	10.00
AJ-M	0/7234	-18.5	-18.5	0.53 (1)	10.00
M-AK	0/4596	-18.5	-18.5	0.35 (1)	10.00
AK-AL	0/4596	-18.5	-18.5	0.35 (1)	10.00
AL-AM	0/4596	-18.5	-18.5	0.35 (1)	10.00
AM-L	0/4596	-18.5	-18.5	0.35 (1)	10.00
L-AN	0/0	-18.5	-18.5	0.08 (4)	10.00
AN-AO	0/0	-18.5	-18.5	0.08 (4)	10.00
AO-K	0/0	-18.5	-18.5	0.06 (4)	10.00

TOTAL WEIGHT = 2 X 169 = 338 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

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

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

CS1: TC=0.52/1.00 (H-I:1), BC=0.53/1.00 (M-O:1), WB=0.57/1.00 (I-L: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

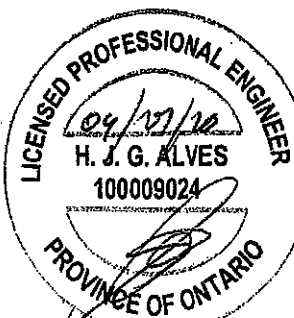
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI)
MAX MIN 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 = 0.72 (R) (INPUT = 0.90)
JSI METAL = 0.68 (P) (INPUT = 1.00)



Structural component only
DWG# T-2007041

CONTINUED ON PAGE 2

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW-p	MT20	4.0	9.0	1.00	4.75
C	TTWW+m	MT20	6.0	9.0	Edge	
D	TMWW-i	MT20	5.0	6.0		
E	TMWW-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	6.0	9.0	Edge	
I	TMWW-p	MT20	4.0	9.0	1.00	4.75
K	BMV1-p	MT20	3.0	6.0		
L	BMWW-i	MT20	5.0	6.0	2.50	2.00
M	BMWW-i	MT20	5.0	6.0	2.50	3.75
N	BS-i	MT20	5.0	6.0		
O	BMWW-i	MT20	5.0	6.0		
P	BS-i	MT20	5.0	6.0		
Q	BMWW-i	MT20	5.0	6.0	2.50	3.75
R	BMWW-i	MT20	5.0	6.0	2.50	2.00
S	BMV1-p	MT20	3.0	6.0		

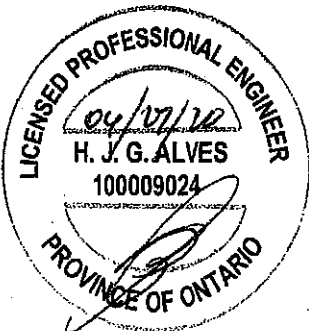
Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

FACTORED CONCENTRATED LOADS (LBS)

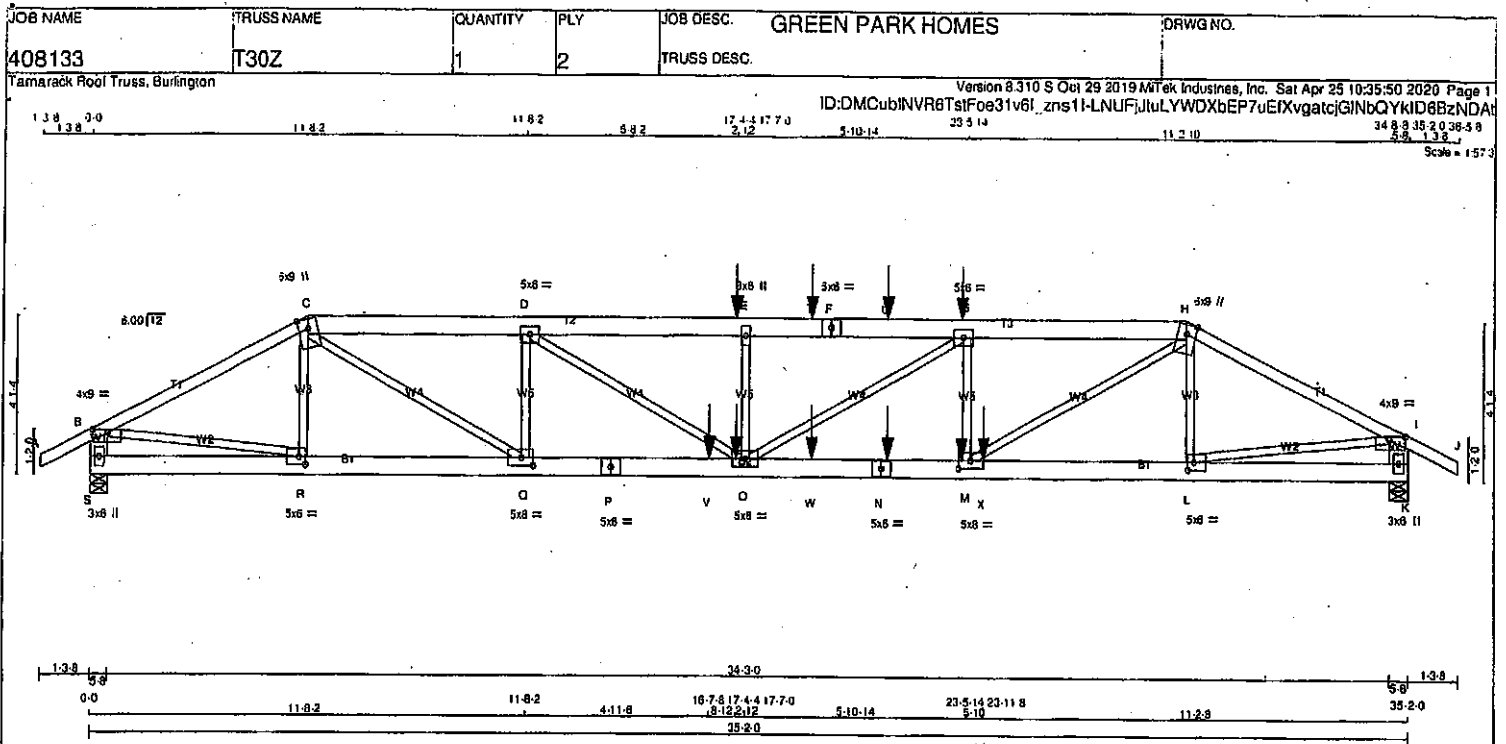
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	5-10-8	-441	-441	---	BACK	VERT	TOTAL	---	C1
D	11-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
F	18-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
H	29-3-8	-441	-441	---	BACK	VERT	TOTAL	---	C1
L	29-2-13	-28	-28	---	BACK	VERT	TOTAL	---	C1
P	13-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
Q	11-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
R	5-11-3	-26	-26	---	BACK	VERT	TOTAL	---	C1
T	7-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
U	9-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
V	13-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
W	16-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
X	17-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
Y	21-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
Z	23-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
AA	25-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
AB	27-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
AC	2-0-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AD	4-0-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AE	7-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
AF	9-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
AG	15-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
AH	17-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
AI	19-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
AJ	21-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
AK	23-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
AL	25-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
AM	27-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
AN	31-1-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
AO	33-1-4	-26	-26	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

- 1) C1: A SUITABLE HANGERMECHANICAL CONNECTION IS REQUIRED.



Structural component only
DWG# T-2007041



LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - F	2x8	DRY	No.2	SPF
F - H	2x8	DRY	No.2	SPF
H - J	2x4	DRY	No.2	SPF
S - B	2x8	DRY	No.2	SPF
K - I	2x8	DRY	No.2	SPF
S - P	2x8	DRY	No.2	SPF
P - N	2x8	DRY	No.2	SPF
N - K	2x8	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	TOP
H-J	12	TOP
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	TOP
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 PLYS FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED DOWN REACTION		INPUT BRG IN-SX		REQD BRG IN-SX	
	VERT	HORZ	DOWN	HORZ	UPLIFT			
S	3471	0	3471	0	0	5-8	5-8	5-8
K	4009	0	4009	0	0	5-8	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE		MAX. MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
S	2448	1648 / 0	0 / 0	0 / 0	0 / 0	800 / 0	0 / 0
K	2826	1908 / 0	0 / 0	0 / 0	0 / 0	917 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.41 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CS1 (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED MAX CS1 (LC)		
FR-TO		FROM	TO		FR-TO				
A-B	0 / 28	-91.8	-91.8	0.07 (1)	10.00	R-C	-588 / 0	0.07 (1)	
B-C	-5351 / 0	-91.8	-91.8	0.54 (1)	3.77	L-H	-512 / 0	0.08 (1)	
C-D	-8760 / 0	-91.8	-91.8	0.25 (1)	3.98	B-R	0 / 4840	0.60 (1)	
D-E	-11225 / 0	-91.8	-91.8	0.32 (1)	3.50	L-I	0 / 5752	0.71 (1)	
E-T	-11225 / 0	-91.8	-91.8	0.40 (1)	3.41	M-H	0 / 5397	0.67 (1)	
T-F	-11225 / 0	-91.8	-91.8	0.40 (1)	3.41	C-Q	0 / 4673	0.58 (1)	
F-U	-11225 / 0	-91.8	-91.8	0.40 (1)	3.41	M-G	-1445 / 0	0.17 (1)	
U-G	-11225 / 0	-91.8	-91.8	0.40 (1)	3.41	O-D	-2145 / 0	0.28 (1)	
G-H	-10273 / 0	-91.8	-91.8	0.30 (1)	3.65	O-G	0 / 1119	0.14 (1)	
H-I	-8350 / 0	-91.8	-91.8	0.63 (1)	3.42	D-O	0 / 2897	0.38 (1)	
I-J	0 / 28	-91.8	-91.8	0.07 (1)	10.00	O-E	-754 / 0	0.09 (1)	
S-B	-3409 / 0	0.0	0.0	0.12 (1)	7.55				
K-I	-3978 / 0	0.0	0.0	0.14 (1)	7.12				
S-R	0 / 0	-18.5	-18.5	0.04 (4)	10.00				
R-Q	0 / 4813	-18.5	-18.5	0.38 (1)	10.00				
Q-P	0 / 8760	-18.5	-18.5	0.89 (1)	10.00				
P-V	0 / 8760	-18.5	-18.5	0.89 (1)	10.00				
V-O	0 / 8760	-18.5	-18.5	0.89 (1)	10.00				
O-W	0 / 10273	-18.5	-18.5	0.77 (1)	10.00				
W-N	0 / 10273	-18.5	-18.5	0.77 (1)	10.00				
N-M	0 / 10273	-18.5	-18.5	0.77 (1)	10.00				
M-X	0 / 5716	-18.5	-18.5	0.58 (1)	10.00				
X-L	0 / 5716	-18.5	-18.5	0.58 (1)	10.00				
L-K	0 / 0	-18.5	-18.5	0.05 (4)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
E	17-4-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
G	23-4-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
M	23-4-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
N	21-4-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
O	17-4-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
T	19-4-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
U	21-4-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
V	16-7-8	-1364	-1364	---	FRONT	VERT	TOTAL	---	C1
W	19-4-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
X	23-11-8	-1443	-1443	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.8	PSF
DL	= 8.0	PSF
BOT CH. LL	= 0.0	PSF
DL	= 7.4	PSF
TOTAL LOAD	= 38.0	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

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

ALLOWABLE DEFL. (LL) = $L/360$ (1.17")
CALCULATED VERT. DEFL. (LL) = $L/899$ (0.30")
ALLOWABLE DEFL. (TL) = $L/360$ (1.17")
CALCULATED VERT. DEFL. (TL) = $L/765$ (0.55")

CSI: $TC=0.63/1.00$ (H-I:1), $BC=0.89/1.00$ (O-Q:1),
 $WB=0.71/1.00$ (L-L:1), $SS=0.46/1.00$ (L-M:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

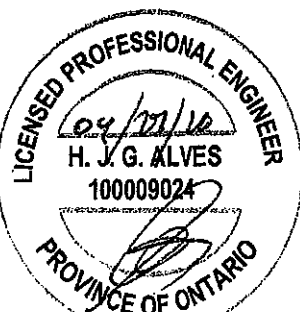
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.90 (R) (INPUT = 0.80)
JSI METAL = 0.91 (P) (INPUT = 1.00)



Structural component only
DWG# T-2007042 1/2

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408133	T30Z	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Sat Apr 25 10:35:50 2020 Page 2		ID:DMCubINVR6TstFoe31v8I zns1J-LNUFJlulYWDXbEP7uEfXvgalciQINbQYkID6BzNDAl	
		TRAUSS DESC.			

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	4.0	9.0	1.00	4.75
C	TTWW+m	MT20	6.0	9.0	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	6.0	9.0	Edge	
I	TMVW-p	MT20	4.0	9.0	1.00	4.75
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-i	MT20	5.0	6.0	2.50	2.00
M	BMWW-i	MT20	5.0	6.0	2.50	3.75
N	BS-i	MT20	5.0	6.0		
O	BMWWW-i	MT20	5.0	6.0		
P	BS-i	MT20	5.0	6.0		
Q	BMWW-i	MT20	5.0	6.0	2.50	3.75
R	BMWW-i	MT20	5.0	6.0	2.50	2.00
S	BMV1+p	MT20	3.0	6.0		

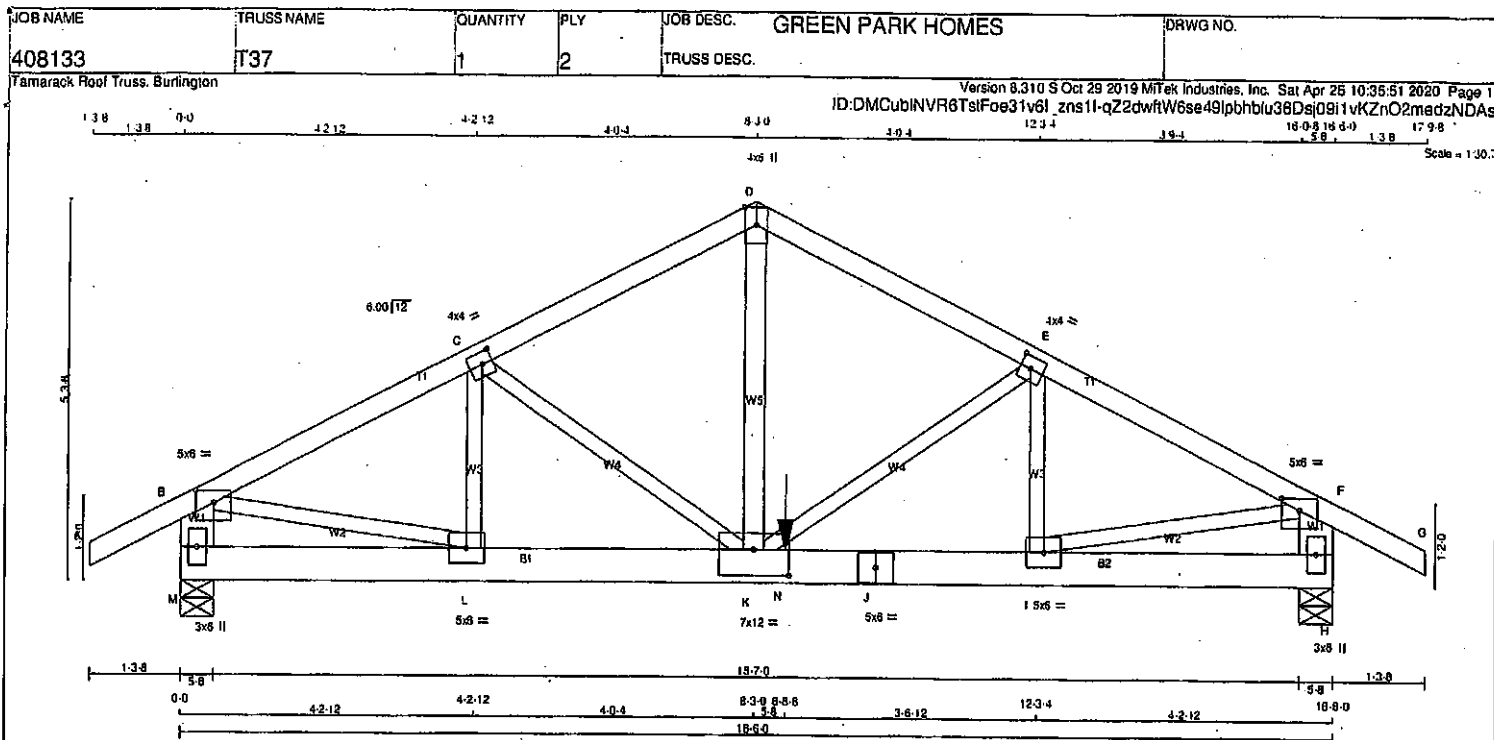
Edge - INDICATES REFERENCE CORNER OF PLATE
TOUCHES EDGE OF CHORD.

CONNECTION REQUIREMENTS

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



Structural component only
DWG# T-2007042 *Y2*



LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122'X3") SPIRAL NAILS		
A-D 1	12	TOP
D-G 1	12	TOP
M-B 2	12	TOP
H-F 2	12	TOP
BOTTOM CHORDS : (0.122'X3") SPIRAL NAILS		
M-J 2	12	SIDE(0.0)
J-H 2	12	TOP
WEBS : (0.122'X3") SPIRAL NAILS		
2x3 1	6	
2x4 1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

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

BEARINGS	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
JT	2447	0	2447	0	5-8	5-8
M	2613	0	2613	0	5-8	5-8
H	2613	0	2613	0	5-8	5-8

UNFACTORED REACTIONS

1ST CASE	MAX/MIN COMPONENT REACTIONS					
	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT	1733	1123 / 0	0 / 0	0 / 0	611 / 0	0 / 0
M	1851	1197 / 0	0 / 0	0 / 0	654 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.72 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.

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		WEBS	
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)
FR-TO				
A-B	0 / 28	-91.8	K-D	0 / 2959
B-C	-3375 / 0	-91.8	K-E	-150 / 0
C-D	-3654 / 0	-91.8	L-E	-301 / 0
D-E	-3653 / 0	-91.8	C-K	0 / 271
E-F	-3758 / 0	-91.8	L-C	-721 / 0
F-G	0 / 28	-91.8	B-L	0 / 3084
M-B	-2354 / 0	0.0	I-F	0 / 3431
H-F	-2590 / 0	0.0		
M-L	0 / 0	-18.5		
L-K	0 / 3033	-18.5		
K-N	0 / 3375	-18.5		
N-J	0 / 3375	-18.5		
J-I	0 / 3375	-18.5		
I-H	0 / 0	-18.5		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
N	8-8	-2992	-2992	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 2 X 79 = 158 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.55")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.55")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TC=0.17/1.00 (E-F:1), BC=0.50/1.00 (I-K:1),
WB=0.42/1.00 (F-I:1), SS=0.93/1.00 (I-K: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 (PSD)	SECTION (PL)
MAX MIN	MAX MIN	MAX MIN
MT20	616 354	1667 788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

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



Structural component only
DWG# T-2007043 1/2

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408133	T37	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	2.00	3.00
C	TMWW-I	MT20	4.0	4.0	2.00	1.75
D	TTW+p	MT20	4.0	6.0	Edge	
E	TMWW-I	MT20	4.0	4.0	2.00	1.75
F	TMVW-p	MT20	5.0	6.0	2.00	3.00
H	BMVt+p	MT20	3.0	6.0		
I	BMWW-I	MT20	5.0	6.0		
J	BS-I	MT20	5.0	6.0		
K	BMWW-I	MT20	7.0	12.0	4.25	6.00
L	BMWW-I	MT20	5.0	6.0		
M	BMVt+p	MT20	3.0	6.0		

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

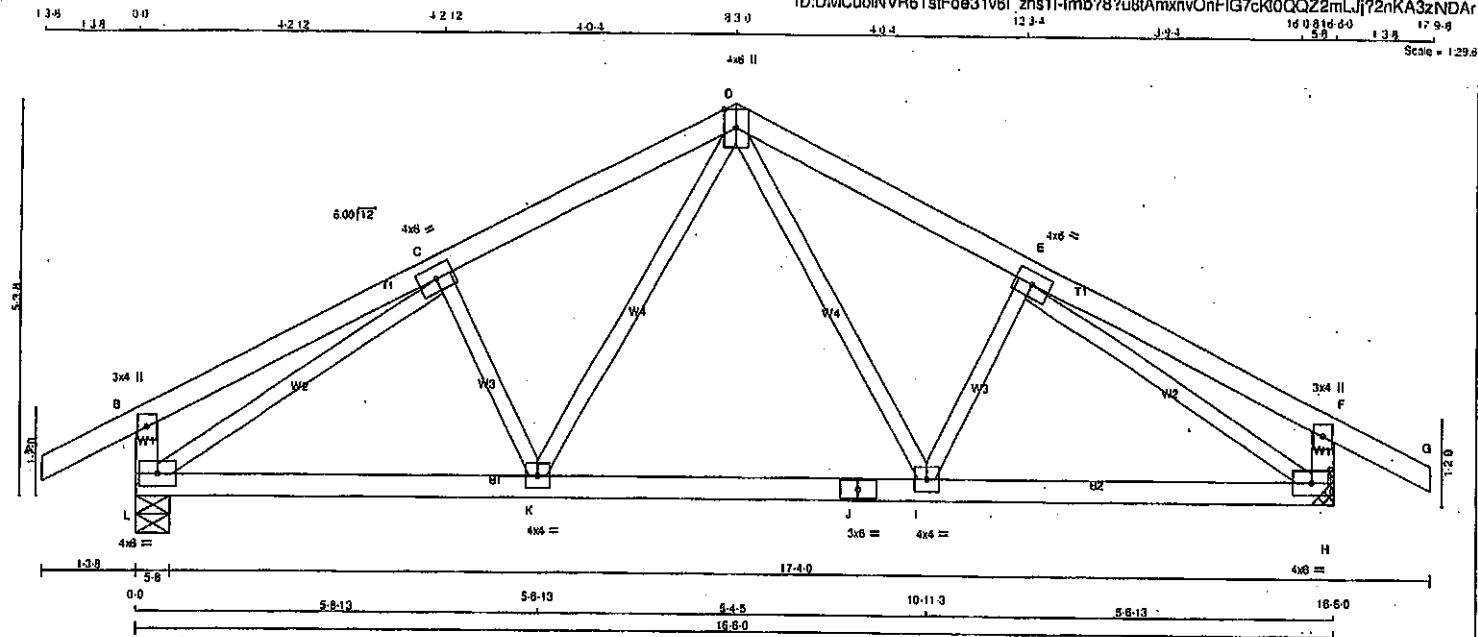


Structural component only
DWG# T-2007043 2/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408133	T38	2	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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

DRY: SEASONED LUMBER.

PLATES (tablets in inches)	W	LEN	Y	X
JT TYPE				
B TMV+p	MT20	3.0	4.0	
C TMVW-1	MT20	4.0	8.0	
D TTWW+p	MT20	4.0	6.0	Edge
E TMVW-1	MT20	4.0	6.0	
F TMV+p	MT20	3.0	4.0	
H BMVW1-1	MT20	4.0	6.0	
I BMVW-1	MT20	4.0	4.0	
J BS-1	MT20	3.0	6.0	
K BMVW-1	MT20	4.0	4.0	
L BMVW1-1	MT20	4.0	8.0	

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
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	UPLIFT
L	1034	0	1034	0
H	1034	0	1034	0

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

UNFACTORED REACTIONS

1ST CASE	MAX/MIN. COMPONENT REACTIONS
JT COMBINED	SNOW LIVE PERM.LIVE WIND DEAD SOIL
L	729 492 / 0 0 / 0 0 / 0 237 / 0 0 / 0
H	729 492 / 0 0 / 0 0 / 0 237 / 0 0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.93 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	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX	MEMB.	MAX. FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE	VERT. LOAD	LC1	MAX	MAX	MEMB.	FORCE	MAX	MEMB.	FORCE
	(LBS)	(PLF)	CSI (LC)	UNBRAC	LENGTH	FR-TO		(LBS)		(LBS)
FR-TO		FROM TO								
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	D-I	0 / 354	0.08 (1)		
B-C	0 / 19	-91.8	-91.8	0.24 (1)	10.00	I-E	-226 / 0	0.05 (1)		
C-D	-1044 / 0	-91.8	-91.8	0.20 (1)	5.93	K-D	0 / 354	0.08 (1)		
D-E	-1044 / 0	-91.8	-91.8	0.20 (1)	5.93	C-K	-226 / 0	0.05 (1)		
E-F	0 / 19	-91.8	-91.8	0.24 (1)	10.00	L-C	-1245 / 0	0.51 (1)		
F-G	0 / 28	-91.8	-91.8	0.12 (1)	10.00	E-H	-1245 / 0	0.51 (1)		
L-B	-271 / 0	0.0	0.0	0.03 (1)	7.81					
H-F	-271 / 0	0.0	0.0	0.03 (1)	7.81					
L-K	0 / 1016	-18.5	-18.5	0.23 (1)	10.00					
K-J	0 / 749	-18.5	-18.5	0.19 (4)	10.00					
J-I	0 / 749	-18.5	-18.5	0.19 (4)	10.00					
I-H	0 / 1016	-18.5	-18.5	0.23 (1)	10.00					

TOTAL WEIGHT = 2 X 66 = 133 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN./C

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.55")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.55")
CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSI: TC=0.24/1.00 (B-C:1), BC=0.23/1.00 (H-I:1), WB=0.51/1.00 (E-H:1), SSI=0.18/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

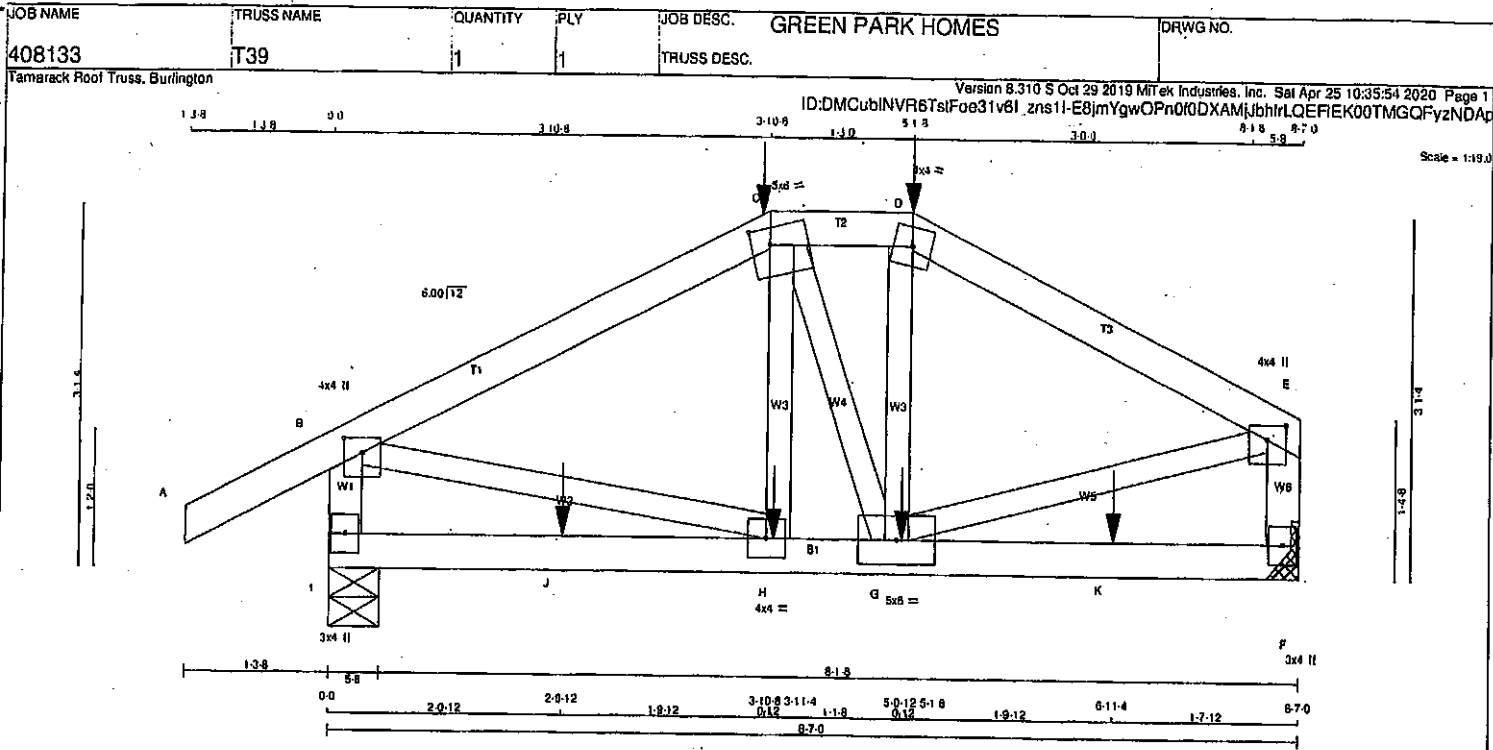
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.76 (E) (INPUT = 0.90)
JSI METAL = 0.31 (E) (INPUT = 1.00)



Structural component only
DWG# T-2007044

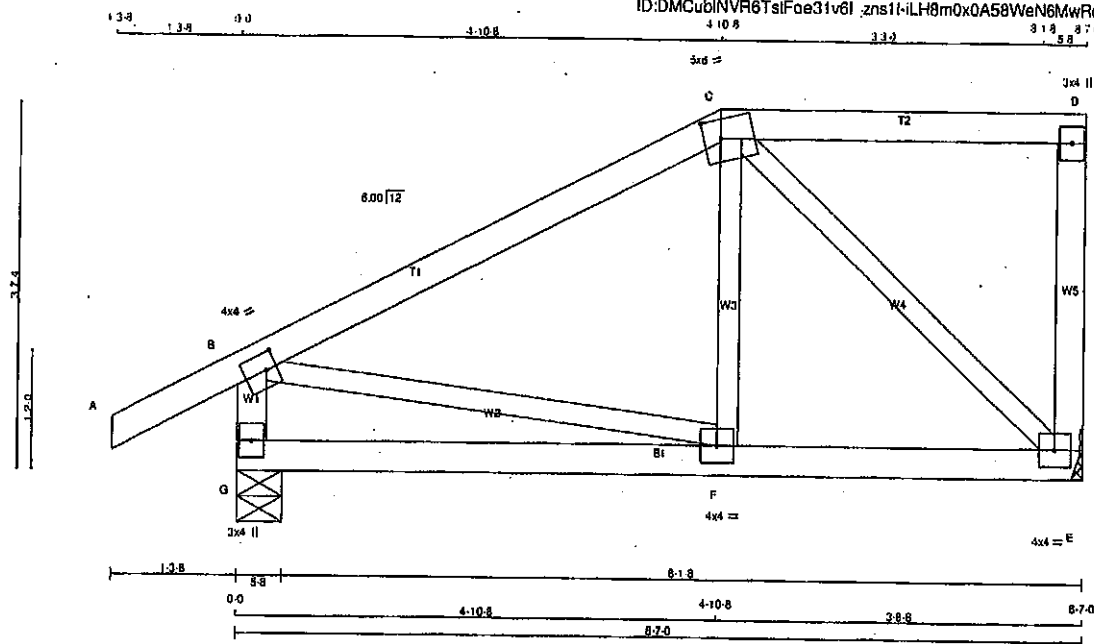


LUMBER				
N. L. G. A. RULES				
CHORDS		SIZE	LUMBER	DESCR
A - C	2x4	DRY	No.2	SPF
C - D	2x4	DRY	No.2	SPF
D - E	2x4	DRY	No.2	SPF
E - F	2x4	DRY	No.2	SPF
F - G	2x4	DRY	No.2	SPF
G - H	2x4	DRY	No.2	SPF
H - I	2x4	DRY	No.2	SPF
I - J	2x4	DRY	No.2	SPF
J - K	2x4	DRY	No.2	SPF
K - L	2x4	DRY	No.2	SPF
L - M	2x4	DRY	No.2	SPF
M - N	2x4	DRY	No.2	SPF
N - O	2x4	DRY	No.2	SPF
O - P	2x4	DRY	No.2	SPF
P - Q	2x4	DRY	No.2	SPF
Q - R	2x4	DRY	No.2	SPF
R - S	2x4	DRY	No.2	SPF
S - T	2x4	DRY	No.2	SPF
T - U	2x4	DRY	No.2	SPF
U - V	2x4	DRY	No.2	SPF
V - W	2x4	DRY	No.2	SPF
W - X	2x4	DRY	No.2	SPF
X - Y	2x4	DRY	No.2	SPF
Y - Z	2x4	DRY	No.2	SPF
Z - AA	2x4	DRY	No.2	SPF
AA - AB	2x4	DRY	No.2	SPF
AB - AC	2x4	DRY	No.2	SPF
AC - AD	2x4	DRY	No.2	SPF
AD - AE	2x4	DRY	No.2	SPF
AE - AF	2x4	DRY	No.2	SPF
AF - AG	2x4	DRY	No.2	SPF
AG - AH	2x4	DRY	No.2	SPF
AH - AI	2x4	DRY	No.2	SPF
AI - AJ	2x4	DRY	No.2	SPF
AJ - AK	2x4	DRY	No.2	SPF
AK - AL	2x4	DRY	No.2	SPF
AL - AM	2x4	DRY	No.2	SPF
AM - AN	2x4	DRY	No.2	SPF
AN - AO	2x4	DRY	No.2	SPF
AO - AP	2x4	DRY	No.2	SPF
AP - AQ	2x4	DRY	No.2	SPF
AQ - AR	2x4	DRY	No.2	SPF
AR - AS	2x4	DRY	No.2	SPF
AS - AT	2x4	DRY	No.2	SPF
AT - AU	2x4	DRY	No.2	SPF
AU - AV	2x4	DRY	No.2	SPF
AV - AW	2x4	DRY	No.2	SPF
AW - AX	2x4	DRY	No.2	SPF
AX - AY	2x4	DRY	No.2	SPF
AY - AZ	2x4	DRY	No.2	SPF
AZ - BA	2x4	DRY	No.2	SPF
BA - BB	2x4	DRY	No.2	SPF
BB - BC	2x4	DRY	No.2	SPF
BC - BD	2x4	DRY	No.2	SPF
BD - BE	2x4	DRY	No.2	SPF
BE - BF	2x4	DRY	No.2	SPF
BF - BG	2x4	DRY	No.2	SPF
BG - BH	2x4	DRY	No.2	SPF
BH - BI	2x4	DRY	No.2	SPF
BI - BJ	2x4	DRY	No.2	SPF
BJ - BK	2x4	DRY	No.2	SPF
BK - BL	2x4	DRY	No.2	SPF
BL - BM	2x4	DRY	No.2	SPF
BM - BN	2x4	DRY	No.2	SPF
BN - BO	2x4	DRY	No.2	SPF
BO - BP	2x4	DRY	No.2	SPF
BP - BQ	2x4	DRY	No.2	SPF
BQ - BR	2x4	DRY	No.2	SPF
BR - BS	2x4	DRY	No.2	SPF
BS - BT	2x4	DRY	No.2	SPF
BT - BU	2x4	DRY	No.2	SPF
BU - BV	2x4	DRY	No.2	SPF
BV - BW	2x4	DRY	No.2	SPF
BW - BX	2x4	DRY	No.2	SPF
BX - BY	2x4	DRY	No.2	SPF
BY - BZ	2x4	DRY	No.2	SPF
BZ - CA	2x4	DRY	No.2	SPF
CA - CB	2x4	DRY	No.2	SPF
CB - CC	2x4	DRY	No.2	SPF
CC - CD	2x4	DRY	No.2	SPF
CD - CE	2x4	DRY	No.2	SPF
CE - CF	2x4	DRY	No.2	SPF
CF - CG	2x4	DRY	No.2	SPF
CG - CH	2x4	DRY	No.2	SPF
CH - CI	2x4	DRY	No.2	SPF
CI - CJ	2x4	DRY	No.2	SPF
CJ - CK	2x4	DRY	No.2	SPF
CK - CL	2x4	DRY	No.2	SPF
CL - CM	2x4	DRY	No.2	SPF
CM - CN	2x4	DRY	No.2	SPF
CN - CO	2x4	DRY	No.2	SPF
CO - CP	2x4	DRY	No.2	SPF
CP - CQ	2x4	DRY	No.2	SPF
CQ - CR	2x4	DRY	No.2	SPF
CR - CS	2x4	DRY	No.2	SPF
CS - CT	2x4	DRY	No.2	SPF
CT - CU	2x4	DRY	No.2	SPF
CU - CV	2x4	DRY	No.2	SPF
CV - CW	2x4	DRY	No.2	SPF
CW - CX	2x4	DRY	No.2	SPF
CX - CY	2x4	DRY	No.2	SPF
CY - CZ	2x4	DRY	No.2	SPF
CZ - DA	2x4	DRY	No.2	SPF
DA - DB	2x4	DRY	No.2	SPF
DB - DC	2x4	DRY	No.2	SPF
DC - DD	2x4	DRY	No.2	SPF
DD - DE	2x4	DRY	No.2	SPF
DE - DF	2x4	DRY	No.2	SPF
DF - DG	2x4	DRY	No.2	SPF
DG - DH	2x4	DRY	No.2	SPF
DH - DI	2x4	DRY	No.2	SPF
DI - DJ	2x4	DRY	No.2	SPF
DJ - DK	2x4	DRY	No.2	SPF
DK - DL	2x4	DRY	No.2	SPF
DL - DM	2x4	DRY	No.2	SPF
DM - DN	2x4	DRY	No.2	SPF
DN - DO	2x4	DRY	No.2	SPF
DO - DP	2x4	DRY	No.2	SPF
DP - DQ	2x4	DRY	No.2	SPF
DQ - DR	2x4	DRY	No.2	SPF
DR - DS	2x4	DRY	No.2	SPF
DS - DT	2x4	DRY	No.2	SPF
DT - DU	2x4	DRY	No.2	SPF
DU - DV	2x4	DRY	No.2	SPF
DV - DW	2x4	DRY	No.2	SPF
DW - DX	2x4	DRY	No.2	SPF
DX - DY	2x4	DRY	No.2	SPF
DY - DZ	2x4	DRY	No.2	SPF
DZ - EA	2x4	DRY	No.2	SPF
EA - EB	2x4	DRY	No.2	SPF
EB - EC	2x4	DRY	No.2	SPF
EC - ED	2x4	DRY	No.2	SPF
ED - EE	2x4	DRY	No.2	SPF
EE - EF	2x4	DRY	No.2	SPF
EF - EG	2x4	DRY	No.2	SPF
EG - EH	2x4	DRY	No.2	SPF
EH - EI	2x4	DRY	No.2	SPF
EI - EJ	2x4	DRY	No.2	SPF
EJ - EK	2x4	DRY	No.2	SPF
EK - EL	2x4	DRY	No.2	SPF
EL - EM	2x4	DRY	No.2	SPF
EM - EN	2x4	DRY	No.2	SPF
EN - EO	2x4	DRY	No.2	SPF
EO - EP	2x4	DRY	No.2	SPF
EP - EQ	2x4	DRY	No.2	SPF
EQ - ER	2x4	DRY	No.2	SPF
ER - ES	2x4	DRY	No.2	SPF
ES - ET	2x4	DRY	No.2	SPF
ET - EU	2x4	DRY	No.2	SPF
EU - EV	2x4	DRY	No.2	SPF
EV - EW	2x4	DRY	No.2	SPF
EW - EX	2x4	DRY	No.2	SPF
EX - EY	2x4	DRY	No.2	SPF
EY - EZ	2x4	DRY	No.2	SPF
EZ - FA	2x4	DRY	No.2	SPF
FA - FB	2x4	DRY	No.2	SPF
FB - FC	2x4	DRY	No.2	SPF
FC - FD	2x4	DRY	No.2	SPF
FD - FE	2x4	DRY	No.2	SPF
FE - FF	2x4	DRY	No.2	SPF
FF - FG	2x4	DRY	No.2	SPF
FG - FH	2x4	DRY	No.2	SPF
FH - FI	2x4	DRY	No.2	SPF
FI - FJ	2x4	DRY	No.2	SPF
FJ - FK	2x4	DRY	No.2	SPF
FK - FL	2x4	DRY	No.2	SPF
FL - FM	2x4	DRY	No.2	SPF
FM - FN	2x4	DRY	No.2	SPF
FN - FO	2x4	DRY	No.2	SPF
FO - FP	2x4	DRY	No.2	SPF
FP - FQ	2x4	DRY	No.2	SPF
FQ - FR	2x4	DRY	No.2	SPF
FR - FS	2x4	DRY	No.2	SPF
FS - FT	2x4	DRY	No.2	SPF
FT - FU	2x4	DRY	No.2	SPF
FU - FV	2x4	DRY	No.2	SPF
FV - FW	2x4	DRY	No.2	SPF
FW - FX	2x4	DRY	No.2	SPF
FX - FY	2x4	DRY	No.2	SPF
FY - FZ	2x4	DRY	No.2	SPF
FZ - GA	2x4	DRY	No.2	SPF
GA - GB	2x4	DRY	No.2	SPF
GB - GC	2x4	DRY	No.2	SPF
GC - GD	2x4	DRY	No.2	SPF
GD - GE	2x4	DRY	No.2	SPF
GE - GF	2x4	DRY	No.2	SPF
GF - GG	2x4	DRY	No.2	SPF
GG - GH	2x4	DRY	No.2	SPF
GH - GI	2x4	DRY	No.2	SPF
GI - GJ	2x4	DRY	No.2	SPF
GJ - GK	2x4	DRY	No.2	SPF
GK - GL	2x4	DRY	No.2	SPF
GL - GM	2x4	DRY	No.2	SPF
GM - GN	2x4	DRY	No.2	SPF
GN - GO	2x4	DRY	No.2	SPF
GO - GP	2x4	DRY	No.2	SPF
GP - GQ	2x4	DRY	No.2	SPF
GQ - GR	2x4	DRY	No.2	SPF
GR - GS	2x4	DRY	No.2	SPF
GS - GT	2x4	DRY	No.2	SPF
GT - GU	2x4	DRY	No.2	SPF
GU - GV	2x4	DRY	No.2	SPF
GV - GW	2x4	DRY	No.2	SPF
GW - GX	2x4	DRY	No.2	SPF
GX - GY	2x4	DRY	No.2	SPF
GY - GZ	2x4	DRY	No.2	SPF
GZ - HA	2x4	DRY	No.2	SPF
HA - HB	2x4	DRY	No.2	SPF
HB - HC	2x4	DRY	No.2	SPF
HC - HD	2x4	DRY	No.2	SPF
HD - HE	2x4	DRY	No.2	SPF
HE - HF	2x4	DRY	No.2	SPF
HF - HG	2x4	DRY	No.2	SPF
HG - HH	2x4	DRY	No.2	SPF
HH - HI	2x4	DRY	No.2	SPF
HI - HJ	2x4	DRY	No.2	SPF
HJ - HK	2x4	DRY	No.2	SPF
HK - HL	2x4	DRY	No.2	SPF
HL - HM	2x4	DRY	No.2	SPF
HM - HN	2x4	DRY	No.2	SPF
HN - HO	2x4	DRY	No.2	SPF
HO - HP	2x4	DRY	No.2	SPF
HP - HQ	2x4	DRY	No.2	SPF
HQ - HR	2x4	DRY	No.2	SPF
HR - HS	2x4	DRY	No.2	SPF
HS - HT	2x4	DRY	No.2	SPF
HT - HU	2x4	DRY	No.2	SPF
HU - HV	2x4	DRY	No.2	SPF
HV - HW	2x4	DRY	No.2	SPF
HW - HX	2x4	DRY	No.2	SPF
HX - HY	2x4	DRY	No.2	SPF
HY - HZ	2x4	DRY	No.2	SPF
HZ - IA	2x4	DRY	No.2	SPF
IA - IB	2x4	DRY	No.2	SPF
IB - IC	2x4	DRY	No.2	SPF
IC - ID	2x4	DRY	No.2	SPF
ID - IE	2x4	DRY	No.2	SPF
IE - IF	2x4	DRY	No.2	SPF
IF - IG	2x4	DRY	No.2	SPF
IG - IH	2x4	DRY	No.2	SPF
IH - II	2x4	DRY	No.2	SPF
II - IJ	2x4	DRY	No.2	SPF
IJ - IK	2x4	DRY	No.2	SPF
IK - IL	2x4	DRY	No.2	SPF
IL - IM	2x4	DRY	No.2	SPF
IM - IN	2x4	DRY	No.2	SPF
IN - IO	2x4	DRY	No.2	SPF
IO - IP	2x4	DRY	No.2	SPF
IP - IQ	2x4	DRY	No.2	SPF
IQ - IR	2x4	DRY	No.2	SPF
IR - IS	2x4	DRY	No.2	SPF
IS - IT	2x4	DRY	No.2	SPF
IT - IU	2x4	DRY	No.2	SPF
IU - IV	2x4	DRY	No.2	SPF
IV - IW	2x4	DRY	No.2	SPF
IW - IX	2x4	DRY	No.2	SPF
IX - IY	2x4	DRY	No.2	SPF
IY - IZ	2x4	DRY	No.2	SPF
IZ - JA	2x4	DRY	No.2	SPF
JA - JB	2x4	DRY	No.2	SPF
JB - JC	2x4	DRY	No.2	SPF
JC - JD	2x4	DRY	No.2	SPF
JD - JE	2x4	DRY	No.2	SPF
JE - JF	2x4	DRY	No.2	SPF
JF - JG	2x4	DRY	No.2	SPF
JG - JH	2x4	DRY	No.2	SPF
JH - JI	2x4	DRY	No.2	SPF
JI - JJ	2x4	DRY	No.2	SPF
JJ - JK	2x4	DRY	No.2	SPF
JK - JL	2x4	DRY	No.2	SPF
JL - JM	2x4	DRY	No.2	SPF
JM - JN	2x4	DRY	No.2	SPF
JN - JO	2x4	DRY	No.2	SPF
JO - JP	2x4	DRY	No.2	SPF
JP - JQ	2x4	DRY	No.2	SPF
JQ - JR	2x4	DRY	No.2	SPF
JR - JS	2x4	DRY	No.2	SPF
JS - JT	2x4	DRY	No.2	SPF
JT - JU	2x4	DRY	No.2	SPF
JU - JV	2x4	DRY	No.2	SPF
JV - JW	2x4	DRY	No.2	SPF
JW - JX	2x4	DRY	No.2	SPF
JX - JY	2x4	DRY	No.2	SPF
JY - JZ	2x4	DRY	No.2	SPF
JZ - KA	2x4	DRY	No.2	SPF
KA - KB	2x4	DRY	No.2	SPF
KB - KC	2x4	DRY	No.2	SPF
KC - KD	2x4	DRY	No.2	SPF
KD - KE	2x4	DRY	No.2	SPF
KE - KF	2x4	DRY	No.2	SPF
KF - KG	2x4	DRY	No.2	SPF
KG - KH	2x4	DRY	No.2	SPF
KH - KI	2x4	DRY	No.2	SPF
KI - KJ	2x4	DRY	No.2	SPF
KJ - KK	2x4	DRY	No.2	SPF
KK - KL	2x4	DRY	No.2	SPF
KL - KM	2x4	DRY	No.2	SPF
KM - KN	2x4	DRY	No.2	SPF
KN - KO	2x4	DRY	No.2	SPF
KO - KP	2x4	DRY	No.2	SPF

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408133	T40	1	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 MiTek Industries, Inc. Sat Apr 25 10:35:55 2020 Page 1
ID:DMCubINVR6TslFoe31v6I_zns11-iLH8m0x0A58W6N6MwRqqEyNW3dbLznX9h00_nOzNDA0



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

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

DRY: SEASONED LUMBER.

PLATES (table in inches)	W	LEN	Y	X
JT TYPE				
B TMVW-1	MT20	4.0	4.0	2.00 1.25
C TTWW-m	MT20	5.0	8.0	2.25 2.00
D TMVW-p	MT20	3.0	4.0	
E BMVW-1	MT20	4.0	4.0	
F BMVW-1	MT20	4.0	4.0	
G BMVW-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	RECORD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
E	473	0	473	0	0	MECHANICAL
G	598	0	598	0	0	5-8

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		PERM LIVE	WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM LIVE				
E	335	220 / 0	0 / 0	0 / 0	0 / 0	0 / 0	115 / 0	0 / 0
G	420	289 / 0	0 / 0	0 / 0	0 / 0	0 / 0	131 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)	
FR-TO		FROM	TO		FR-TO			
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	F-C	0 / 92	0.03 (4)
B-C	-350 / 0	-91.8	-91.8	0.28 (1)	6.25	C-E	-421 / 0	0.15 (1)
C-D	0 / 0	-91.8	-91.8	0.21 (1)	10.00	B-F	0 / 318	0.07 (1)
E-D	-170 / 0	0.0	0.0	0.03 (1)	7.81			
G-B	-559 / 0	0.0	0.0	0.08 (1)	7.81			
G-F	0 / 0	-18.5	-18.5	0.10 (4)	10.00			
F-E	0 / 315	-18.5	-18.5	0.13 (4)	10.00			

TOTAL WEIGHT = 38 lb (M/F)

DESIGN CRITERIA

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

SPACING = 24.0 IN./C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF 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) = $L/360$ (0.29")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.00")
ALLOWABLE DEFL.(TL) = $L/360$ (0.29")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.02")

CSI: TC=0.28/1.00 (B-C:1), BC=0.13/1.00 (E-F:4), WB=0.15/1.00 (C-E:1), SS=0.16/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

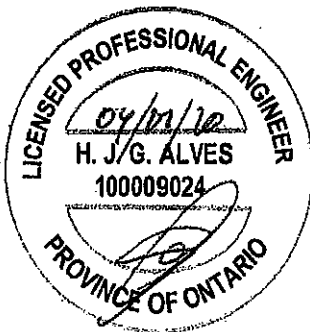
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION	(PSI)	(PL)	(PL)
MAX MIN MAX MIN MAX MIN			
MT20	618	354	1667 788 1987 1856

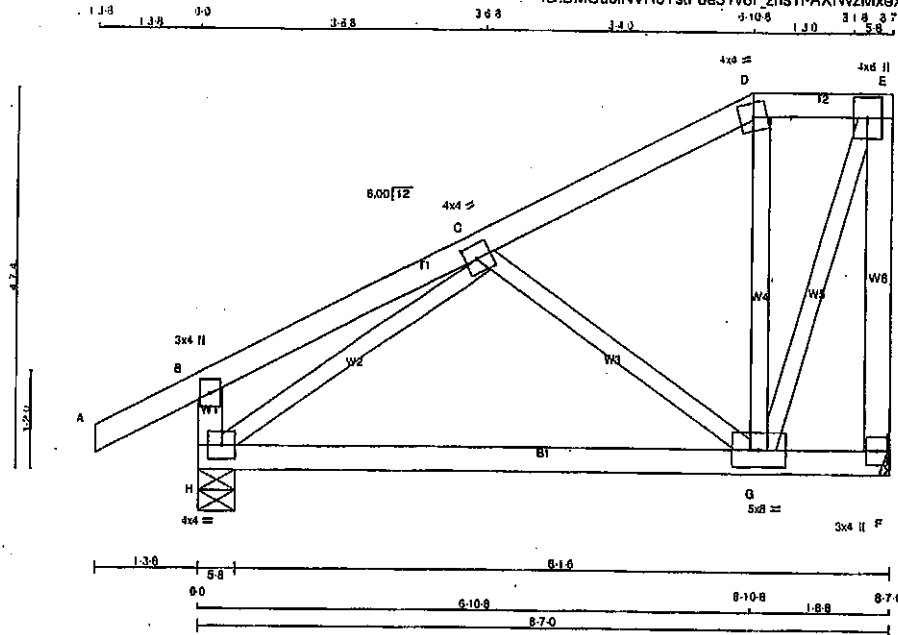
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.57 (B) (INPUT = 0.90)
JSI METAL = 0.19 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007046



Scale = 1/20

LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - D	2x4	DRY	No.2
D - E	2x4	DRY	No.2
F - E	2x4	DRY	No.2
H - 8	2x4	DRY	No.2
H - F	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			

DRY: SEASONED LUMBER.

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
B	TMV+p	MT20	3.0	4.0
C	TMWW-t	MT20	4.0	4.0 2.00 1.75
D	TIW-m	MT20	4.0	4.0
E	TMVW+p	MT20	4.0	8.0
F	BMV+p	MT20	3.0	4.0
G	BMVWW-t	MT20	5.0	8.0
H	BMVW-t	MT20	4.0	4.0

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

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT		REQD	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	BRG	BRG
F	473	0	473	0	0	MECHANICAL			
H	598	0	598	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

1ST CASE		MAX/MIN. COMPONENT REACTIONS				
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
F	335	220 / 0	0 / 0	0 / 0	0 / 0	115 / 0
H	420	289 / 0	0 / 0	0 / 0	0 / 0	131 / 0

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

BRACING

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX (PLF)	MAX. UNBRAC LENGTH	MEMB.	FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM	TO		FR-TO		
A-B	0 / 28	-91.8	-91.8 0.12 (1)	10.00	C-G	-292 / 0	0.09 (1)
B-C	0 / 16	-91.8	-91.8 0.17 (1)	10.00	G-D	-117 / 0	0.04 (1)
C-D	-189 / 0	-91.8	-91.8 0.13 (1)	6.25	G-E	0 / 480	0.10 (1)
D-E	-180 / 0	-91.8	-91.8 0.03 (1)	6.25	H-C	-498 / 0	0.15 (1)
F-E	-509 / 0	0.0	0.0 0.17 (1)	7.81			
H-B	-248 / 0	0.0	0.0 0.02 (1)	7.81			
H-G	0 / 399	-18.5	-18.5 0.23 (4)	10.00			
G-F	0 / 0	-18.5	-18.5 0.21 (4)	10.00			

TOTAL WEIGHT = 41 lb [M/F]

DESIGN CRITERIA

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

SPACING = 24.0 IN. 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 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.29")
CALCULATED VERT. DEFL.(LL) = L/989 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.29")
CALCULATED VERT. DEFL.(TL) = L/999 (0.07")

CSI: TC=0.17/1.00 (B-C:1), BC=0.23/1.00 (G-H:4), WB=0.15/1.00 (C-H:1), SG=0.14/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1650

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

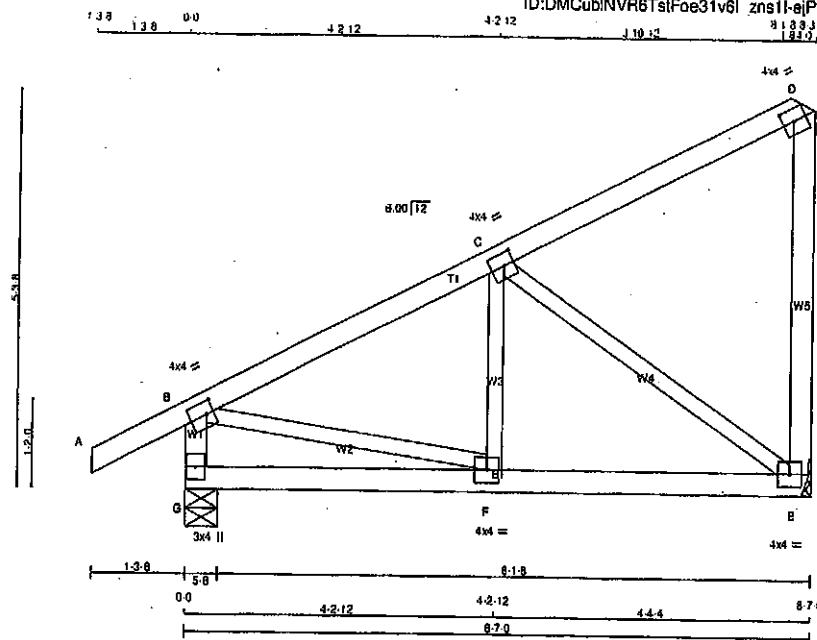
JSI GRIP = 0.46 (G) (INPUT = 0.90)
JSI METAL = 0.15 (H) (INPUT = 1.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408133	T42	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/20

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

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 TMVW-1	MT20	4.0	4.0	2.00	1.75		
D TMVW-1	MT20	4.0	4.0	2.00	1.75		
E BMVW1-1	MT20	4.0	4.0				
F BMVW-1	MT20	4.0	4.0				
G BMV1-p	MT20	3.0	4.0				

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
G	580	580	0	5-8
E	459	459	0	MECHANICAL

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

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
G	415	285 / 0	0 / 0	0 / 0	0 / 0	0 / 0	129 / 0	0 / 0
E	325	212 / 0	0 / 0	0 / 0	0 / 0	0 / 0	112 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX CSI (LC)	UNBRAC LENGTH FR-TO	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
A-B		0 / 28	-91.8	-91.8	0.12 (1)	10.00	F-C	0 / 80	0.03 (4)
B-C		-433 / 0	-91.8	-91.8	0.20 (1)	6.25	B-F	0 / 414	0.09 (1)
C-D		-23 / 0	-91.8	-91.8	0.20 (1)	6.25	E-D	-142 / 0	0.04 (1)
G-B		-558 / 0	0.0	0.0	0.06 (1)	7.81	C-E	-494 / 0	0.21 (1)
G-F		0 / 0	-18.5	-18.5	0.09 (4)	10.00			
F-E		0 / 408	-18.5	-18.5	0.12 (4)	10.00			

TOTAL WEIGHT = 38 lb (M/F)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF 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 3.4 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) = $L/999$ (0.01")

CSI: TC=0.20/1.00 (B-C:1), BC=0.12/1.00 (E-F:4), WB=0.21/1.00 (C-E:1), SS=0.17/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.73 (B) (INPUT = 0.90)
JSI METAL = 0.22 (B) (INPUT = 1.00)

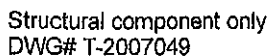


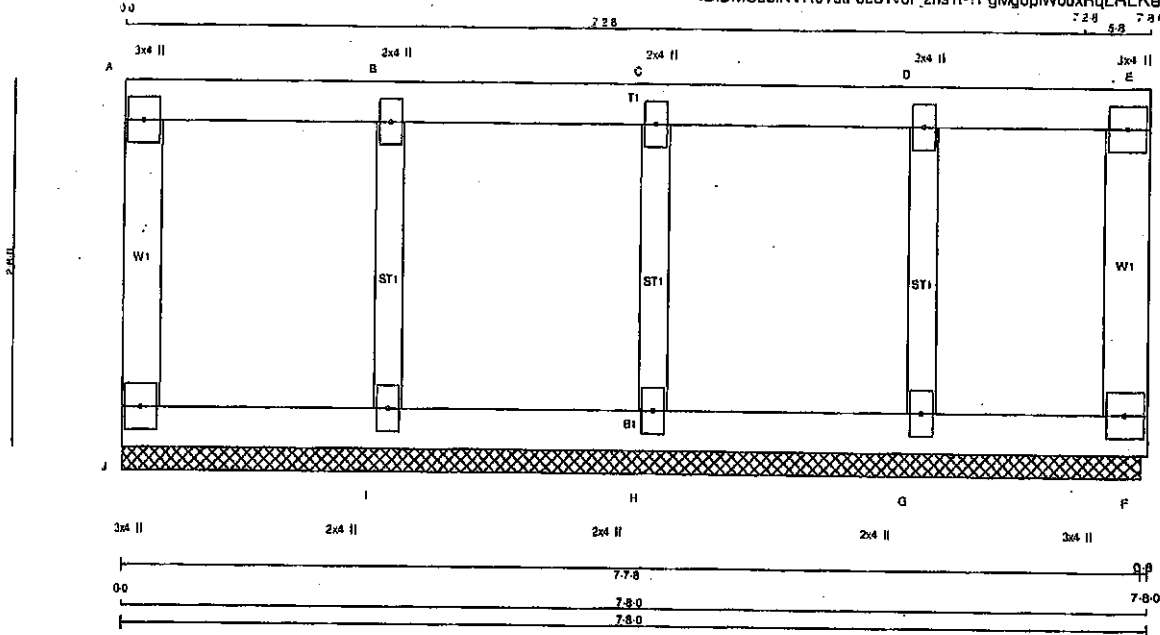
Structural component only
DWG# T-2007048



TOTAL WEIGHT = 30 lb

JSI GRIP= 0.80 (A) (INPUT = 0.90)
JSI METAL= 0.25 (A) (INPUT = 1.00)





LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER	DESCR
J - A	2x4	DRY	No.2	SPF
A - E	2x4	DRY	No.2	SPF
E - F	2x4	DRY	No.2	SPF
F - J	2x4	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF

ALL GABLE WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B, C, D						
B	TMW+w	MT20	2.0	4.0		
E	TMV+p	MT20	3.0	4.0		
F	BMV1+p	MT20	3.0	4.0		
G, H, I						
G	BMV1+w	MT20	2.0	4.0		
J	BMV1+p	MT20	3.0	4.0		

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

PROVIDE ADEQUATE DRAINAGE TO PREVENT PONDING

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 FT.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)	MEMB.
J-A	-102 / 0	0.0	0.0	0.03 (1)	7.81	7.81	I-B
A-B	-10 / 0	-114.3	-114.3	0.08 (1)	10.00	10.00	H-C
B-C	-10 / 0	-114.3	-114.3	0.08 (1)	10.00	10.00	G-D
C-D	-10 / 0	-114.3	-114.3	0.07 (1)	10.00	10.00	
D-E	-10 / 0	-114.3	-114.3	0.08 (1)	10.00	10.00	
E-F	-84 / 0	0.0	0.0	0.03 (1)	7.81	7.81	
J-I	0 / 10	-18.5	-18.5	0.02 (4)	10.00	10.00	
I-H	0 / 10	-18.5	-18.5	0.02 (4)	10.00	10.00	
H-G	0 / 10	-18.5	-18.5	0.02 (4)	10.00	10.00	
G-F	0 / 10	-18.5	-18.5	0.02 (4)	10.00	10.00	

TOTAL WEIGHT = 27 lb (M/R)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.8 PSF

DL = 15.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 48.0 PSF

SPACING = 24.0 IN./C/C

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

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

THIS DESIGN COMPLIES WITH:

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

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

CSI: TC=0.08/1.00 (B-C:1), BC=0.02/1.00 (I-J:4), WB=0.05/1.00 (B-I:1), SSI=0.13/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

FLAT ROOF FACTOR = 0.75

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

NAIL VALUES

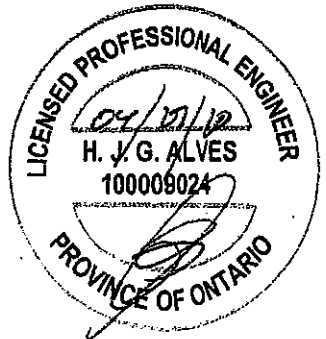
PLATE	GRIP (DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1697 788	1987 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.17 (B) (INPUT = 0.80)

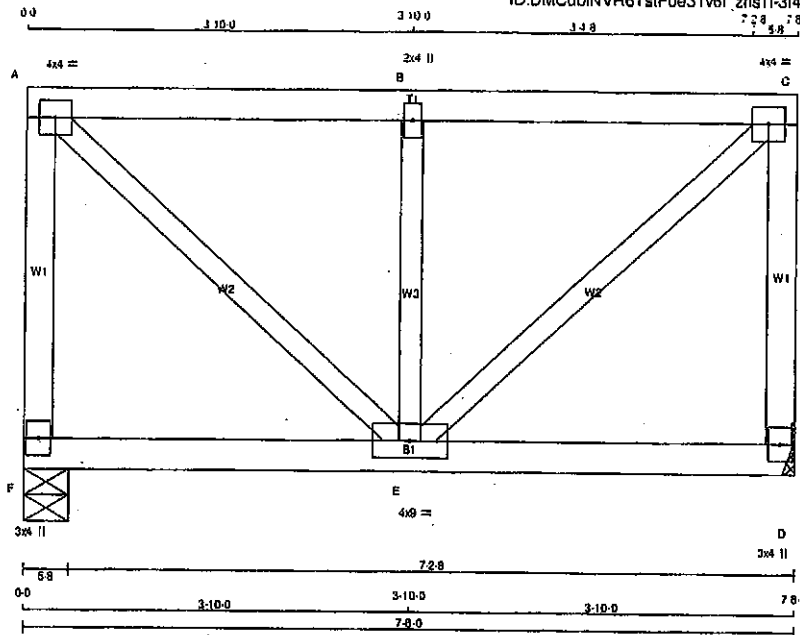
JSI METAL= 0.07 (I) (INPUT = 1.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408133	T44	4	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:21.3

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

PLATES (table is in inches)	JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-I	MT20	4.0	4.0			
B	TMVW-w	MT20	2.0	4.0			
C	TMVW-I	MT20	4.0	4.0			
D	BMV1+p	MT20	3.0	4.0			
E	BMVWW-I	MT20	4.0	9.0			
F	BMV1+p	MT20	3.0	4.0			

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

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
F	509	0	509	0	0	5-8	5-8
D	509	0	509	0	0	MECHANICAL	

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	368	198 / 0	0 / 0	0 / 0	0 / 0	0 / 0	172 / 0	0 / 0
D	368	196 / 0	0 / 0	0 / 0	0 / 0	0 / 0	172 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED MEMB. FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)
FR-TO								
F-A	-479 / 0	0.0	0.0	0.13 (1)	7.81	A-E	0 / 471	0.14 (1)
A-B	-354 / 0	-114.3	-114.3	0.38 (1)	6.25	E-B	-541 / 0	0.16 (1)
B-C	-354 / 0	-114.3	-114.3	0.38 (1)	6.25	E-C	0 / 471	0.14 (1)
D-C	-479 / 0	0.0	0.0	0.13 (1)	7.81			
F-E	0 / 0	-18.5	-18.5	0.09 (4)	10.00			
E-D	0 / 0	-18.5	-18.5	0.09 (4)	10.00			

TOTAL WEIGHT = 4 X 35 = 138 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

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

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

CSI: TC=0.38/1.00 (B-C:1), BC=0.09/1.00 (E-F:4), WB=0.16/1.00 (B-E:1), SSI=0.28/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00
FLAT ROOF FACTOR = 0.75

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

NAIL VALUES

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

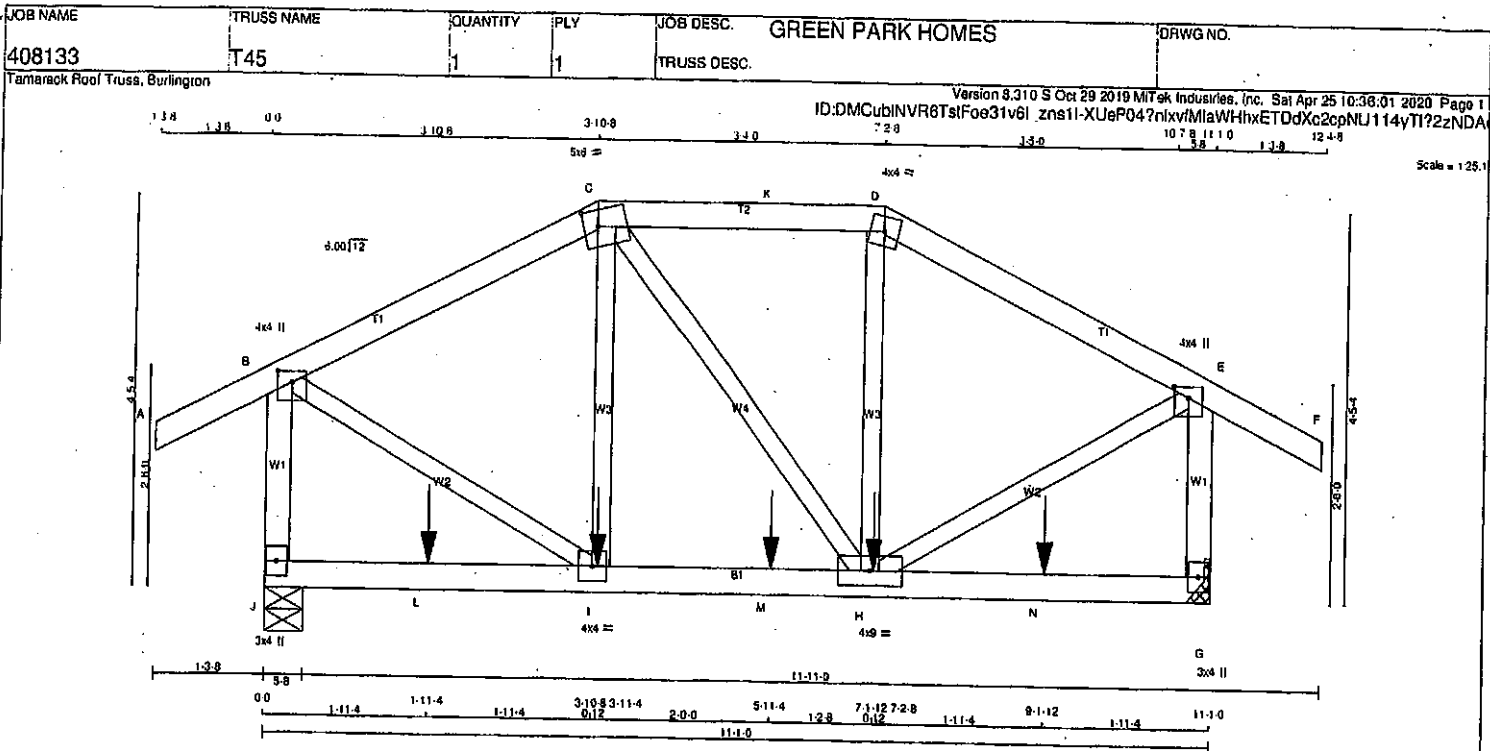
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.64 (C) (INPUT = 0.90)
JSI METAL = 0.18 (A) (INPUT = 1.00)



Structural component only
DWG# T-2007050



LUMBER

N.L.G.A. RULES

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORIZ.	DOWN	HORIZ		
J	1205	0	1205	0	5-8	5-8
G	1218	0	1218	0	0	MECHANICAL

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

UNFACTORED REACTIONS

JT	1ST CASE COMBINED		MAX/MIN. COMPONENT REACTIONS		PERM. LIVE	WIND	DEAD	SOIL
	SNOW	LIVE	SNOW	LIVE				
J	845	592 / 0	0 / 0	0 / 0	0 / 0	0 / 0	253 / 0	0 / 0
G	855	599 / 0	0 / 0	0 / 0	0 / 0	0 / 0	258 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.20 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FACTORED		WEBS		FACTORED	
	MAX. FORCE (LBS)	VERT. LOAD (LBS)	MAX. (LBS)	MAX. (LBS)	MAX. FORCE (LBS)	MAX. (LBS)	MAX. (LBS)	MAX. (LBS)
FR-TO								
A-B	0 / 28	-91.8	-91.8	0.13 (1)	10.00	F-C	0 / 51	0.02 (4)
B-C	-844 / 0	-91.8	-91.8	0.28 (1)	8.24	C-H	0 / 25	0.01 (1)
C-K	-771 / 0	-91.8	-91.8	0.20 (1)	8.25	H-D	0 / 58	0.02 (4)
K-D	-771 / 0	-91.8	-91.8	0.20 (1)	8.25	B-I	0 / 881	0.21 (1)
D-E	-861 / 0	-91.8	-91.8	0.28 (1)	6.20	H-E	0 / 878	0.22 (1)
E-F	0 / 28	-91.8	-91.8	0.13 (1)	10.00			
J-B	-1098 / 0	0.0	0.0	0.15 (1)	7.52			
G-E	-1112 / 0	0.0	0.0	0.16 (1)	7.48			
J-L	0 / 0	-18.5	-18.5	0.28 (1)	10.00			
L-I	0 / 0	-18.5	-18.5	0.26 (1)	10.00			
I-M	0 / 755	-18.5	-18.5	0.32 (1)	10.00			
M-H	0 / 755	-18.5	-18.5	0.32 (1)	10.00			
H-N	0 / 0	-18.5	-18.5	0.25 (1)	10.00			
N-G	0 / 0	-18.5	-18.5	0.25 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
H	7-1-12	-187	-187	---	BACK	VERT	TOTAL	C1
I	3-11-4	-187	-187	---	BACK	VERT	TOTAL	C1
L	1-11-4	-195	-195	---	BACK	VERT	TOTAL	C1
M	5-11-4	-187	-187	---	BACK	VERT	TOTAL	C1
N	9-1-12	-195	-195	---	BACK	VERT	TOTAL	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 51 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, 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 (0.37")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.37")
CALCULATED VERT. DEFL.(TL) = L/999 (0.05")

CSI: TC=0.28/1.00 (D-E:1), BC=0.32/1.00 (H-I:1), WB=0.22/1.00 (E-H:1), SS=0.14/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

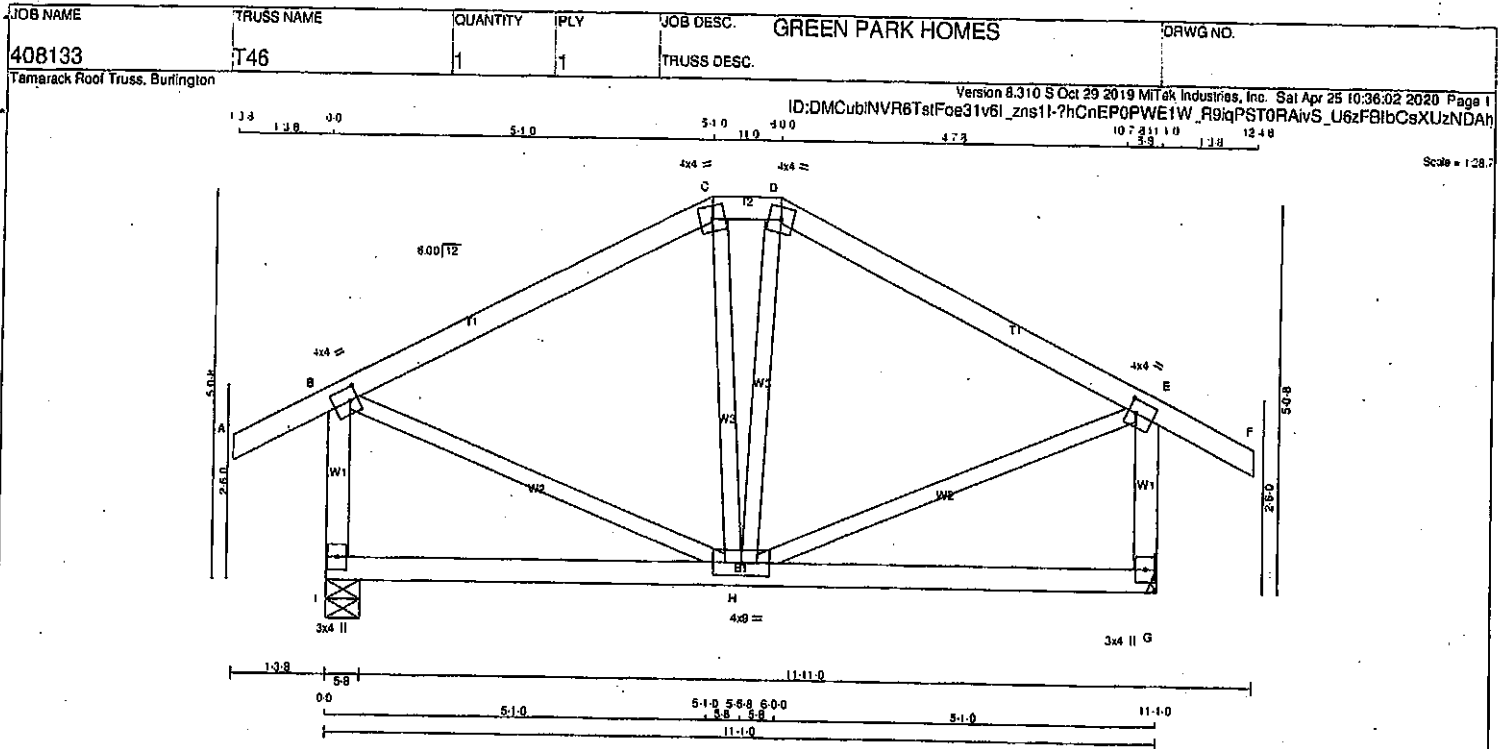
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.88 (I) (INPUT = 0.90)
JSI METAL = 0.28 (I) (INPUT = 1.00)



Structural component only
DWG# T-2007051



LUMBER

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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMW-I	MT20	4.0	4.0	2.00	1.25
C	TTW-m	MT20	4.0	4.0		
D	TTW-m	MT20	4.0	4.0		
E	TMW-I	MT20	4.0	4.0	2.00	1.25
G	BMV1+p	MT20	3.0	4.0		
H	BMWVWV-I	MT20	4.0	9.0		
I	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
I	735 0	735 0	5-8	5-8
G	735 0	735 0	MECHANICAL	

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

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	DEAD	SOIL
I	518 353 / 0	0 / 0	165 / 0	0 / 0
G	518 353 / 0	0 / 0	165 / 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 = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. MAX. CS1 (LC) UNBRAC LENGTH	MEMB.	WEBS MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
FR-TO				FR-TO		
A-B	0 / 28	-91.8 -91.8	0.12 (1) 10.00	S-H	0 / 405	0.09 (1)
B-C	-422 / 0	-91.8 -91.8	0.31 (1) 6.25	H-E	0 / 405	0.09 (1)
C-D	-369 / 0	-91.8 -91.8	0.01 (1) 6.25	C-H	-88 / 18	0.03 (1)
D-E	-422 / 0	-91.8 -91.8	0.31 (1) 6.25	H-D	-86 / 18	0.03 (1)
E-F	0 / 28	-91.8 -91.8	0.12 (1) 10.00			
I-B	-696 / 0	0.0 0.0	0.09 (1) 7.81			
G-E	-696 / 0	0.0 0.0	0.09 (1) 7.81			
I-H	0 / 0	-18.5 -18.5	0.16 (4) 10.00			
H-G	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. 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, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.37")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.37")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CS1: TC=0.31/1.00 (D-E:1), BC=0.16/1.00 (G-H:4),
WB=0.08/1.00 (B-H:1), SS=0.16/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

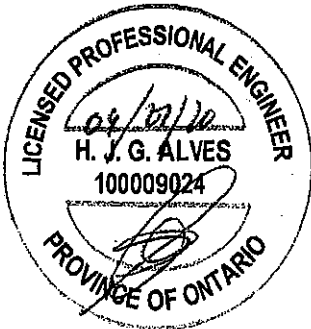
PLATE GRIP(DRY)	SHEAR (PS)	SECTION (PL)
	MAX MIN	MAX MIN
MT20	618 354	1667 788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

JSI METAL = 0.22 (E) (INPUT = 1.00)



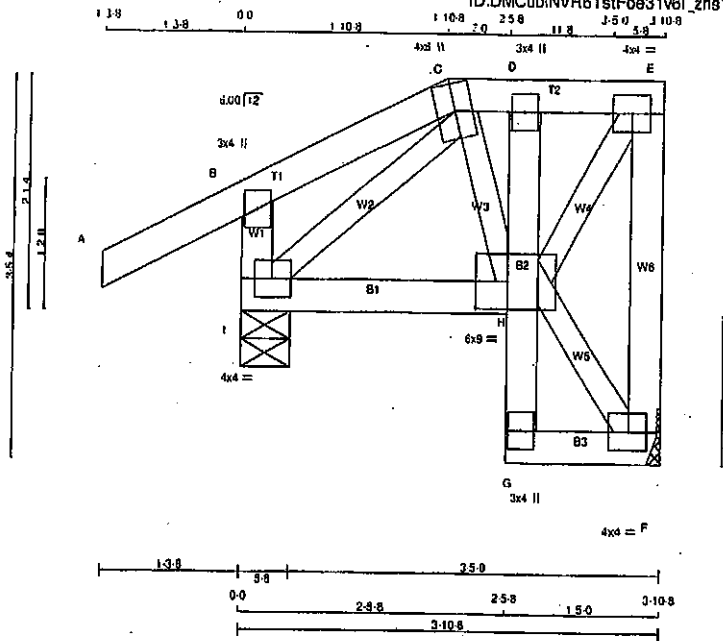
Structural component only
DWG# T-2007052

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408133	T47S	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6l_zns11-x3KX152g2sHED115yqUx5sF42GinauaUmvhycNzNDAf

Scale = 1:19.8



LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TTWW+m	MT20	4.0	6.0		
D	TMV+p	MT20	3.0	4.0		
E	TMVW-1	MT20	4.0	4.0		
F	BMVW1-1	MT20	4.0	4.0		
G	BMV+p	MT20	3.0	4.0		
H	BVMVWW-1	MT20	6.0	9.0	3.00	3.50
I	BMVW1-1	MT20	4.0	4.0		

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG IN-SX	REQD BRG IN-SX
JT VERT	214	214	0	0
F VERT	338	338	0	0
I VERT	338	338	0	0

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	151	99 / 0	0 / 0	0 / 0	0 / 0	52 / 0	0 / 0
I	237	169 / 0	0 / 0	0 / 0	0 / 0	68 / 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 = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	FACTORED HORZ. LOAD (LBS)	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	FACTORED HORZ. LOAD (LBS)
FR-TO						
A-B	0 / 28	-91.8	-91.8	0.14 (5)	10.00	0.00 (4)
B-C	0 / 0	-91.8	-91.8	0.06 (1)	10.00	0.00 (1)
C-D	-103 / 0	-91.8	-91.8	0.01 (1)	8.25	0.03 (1)
D-E	-99 / 0	-91.8	-91.8	0.02 (1)	6.25	0.03 (1)
E-F	-198 / 0	0.0	0.0	0.04 (1)	7.81	0.04 (1)
F-G	-212 / 0	0.0	0.0	0.02 (1)	7.81	0.04 (1)
I-H	0 / 107	-18.5	-18.5	0.04 (4)	10.00	0.00 (4)
G-H	0 / 13	0.0	0.0	0.01 (1)	10.00	0.00 (1)
H-D	-98 / 0	0.0	0.0	0.01 (1)	7.81	0.03 (1)
G-F	0 / 5	-18.5	-18.5	0.01 (4)	10.00	0.04 (1)

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 2 X 24 = 48 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

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 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.18")
CALCULATED VERT. DEFL.(LL) = L/989 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.18")
CALCULATED VERT. DEFL.(TL) = L/989 (0.00")

CSI: TC=0.14/1.00 (A-B:5), BC=0.04/1.00 (H-I:4), WB=0.04/1.00 (E-H:1), SS=0.10/1.00 (A-B:5)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

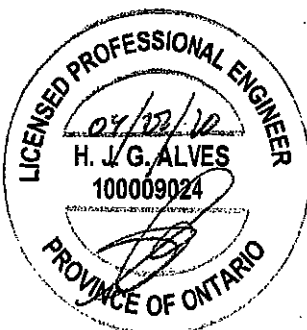
NAIL VALUES

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

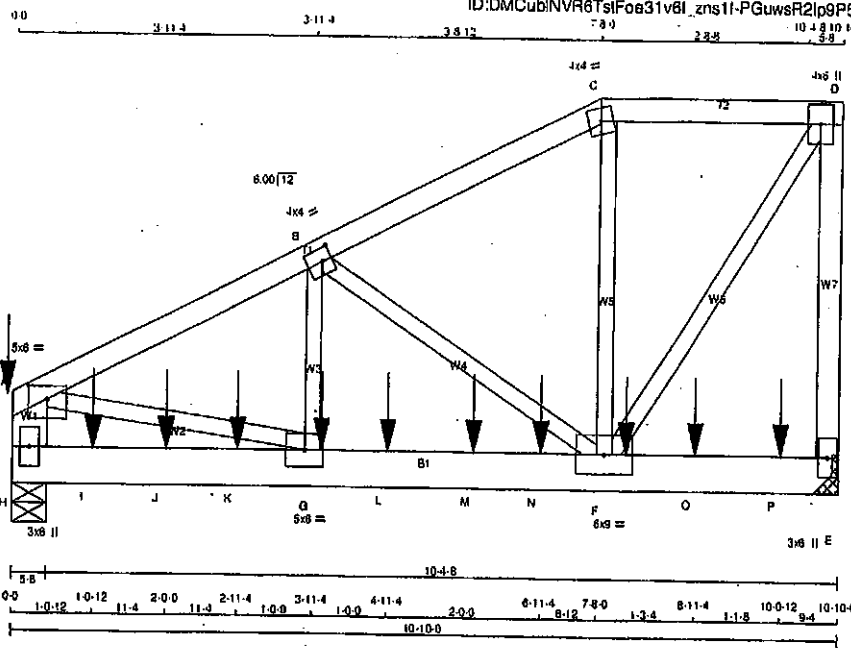
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.21 (H) (INPUT = 0.90)
JSI METAL = 0.66 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007053



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

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - C 1	12	TOP
C - D 1	12	TOP
D - E 1	12	TOP
H - A 2	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
H - E 2	12	SIDE (183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3 1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A TMWW-p	MT20	5.0	6.0	2.00	3.00
B TMWW-t	MT20	4.0	4.0	2.00	1.50

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	RECORD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
E	3011	0	3011	0	5-8	5-8
H	2825	0	2825	0	5-8	5-8

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

UNFACTORED REACTIONS

JT	1ST LOASE COMBINED		MAX/MIN COMPONENT REACTIONS		WIND	DEAD	SOIL
	SNOW	LIVE	PERM	LIVE			
E	2142	13367.0	0.0	0.0	0.0	805.0	0.0
H	2004	1273.0	0.0	0.0	0.0	728.0	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 = 4.85 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	-3575/0	-91.8 -91.8	0.15 (1)	4.85	G-B	0/1538	0.19 (1)
B-C	-1809/0	-91.8 -91.8	0.10 (1)	6.25	B-F	-1974/0	0.37 (1)
C-D	-1818/0	-91.8 -91.8	0.10 (1)	6.25	F-C	0/516	0.08 (1)
E-D	-2581/0	0.0 0.0	0.51 (1)	7.08	F-D	0/2927	0.36 (1)
H-A	-2441/0	0.0 0.0	0.09 (1)	7.81	A-G	0/3271	0.40 (1)
H-I	0/0	-18.5 -18.5	0.24 (1)	10.00			
I-J	0/0	-18.5 -18.5	0.24 (1)	10.00			
J-K	0/0	-18.5 -18.5	0.24 (1)	10.00			
K-G	0/0	-18.5 -18.5	0.24 (1)	10.00			
G-L	0/3210	-18.5 -18.5	0.39 (1)	10.00			
L-M	0/3210	-18.5 -18.5	0.39 (1)	10.00			
M-N	0/3210	-18.5 -18.5	0.39 (1)	10.00			
N-F	0/3210	-18.5 -18.5	0.39 (1)	10.00			
F-O	0/0	-18.5 -18.5	0.15 (1)	10.00			
O-P	0/0	-18.5 -18.5	0.15 (1)	10.00			
P-E	0/0	-18.5 -18.5	0.15 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
A	0-0	-53	-53	---	TOP	VERT	TOTAL	C1
F	8-0-12	-490	-490	---	FRONT	VERT.	TOTAL	C1
G	4-0-12	-490	-490	---	FRONT	VERT	TOTAL	C1
I	1-0-12	-70	-70	---	BACK	VERT	TOTAL	C1
J	2-0-0	-499	-499	---	FRONT	VERT	TOTAL	C1
K	2-11-4	-705	-705	---	BACK	VERT	TOTAL	C1
L	4-11-4	-455	-455	---	BACK	VERT	TOTAL	C1
M	6-0-12	-490	-490	---	FRONT	VERT	TOTAL	C1
N	6-11-4	-455	-455	---	BACK	VERT	TOTAL	C1
O	8-11-4	-440	-440	---	BACK	VERT	TOTAL	C1
P	10-0-12	-493	-493	---	FRONT	VERT	TOTAL	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 2 X 55 = 109 lb

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL =	25.8	PSF
DL =	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

*** NON STANDARD GIRDER ***

ADDTL USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.38")

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

ALLOWABLE DEFL.(TL) = L/360 (0.38")

CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSI: TC=0.51/1.00 (D-E:1), BC=0.39/1.00 (F-G:1),

WB=0.40/1.00 (A-G:1), SS=0.32/1.00 (G-H:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00

COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

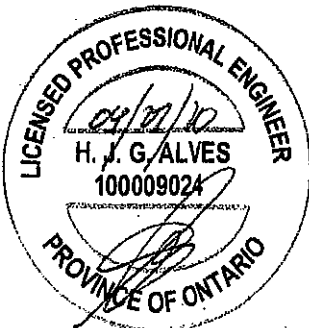
PLATE	GRIP(OR)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX	MIN	MAX	MIN
MT20	618	354	1687
	788	1687	1685

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

JSI METAL = 0.40 (G) (INPUT = 1.00)



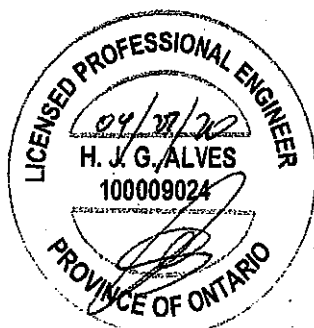
Structural component only
DWG# T-2007054 1/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408133	T50	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:DMCubINVR6TstF0e31v6I zns1I-PGUwsR2lp9P5vHWHX7Ae3oA IyYJF6d7ZRW8pzND Ae

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
C	TTW-m	MT20	4.0	4.0		
D	TMVW+p	MT20	4.0	6.0		
E	BMV1+p	MT20	3.0	6.0		
F	BMWWW-t	MT20	6.0	9.0		
G	BMWW-1	MT20	5.0	6.0		
H	BMV1+p	MT20	3.0	6.0		

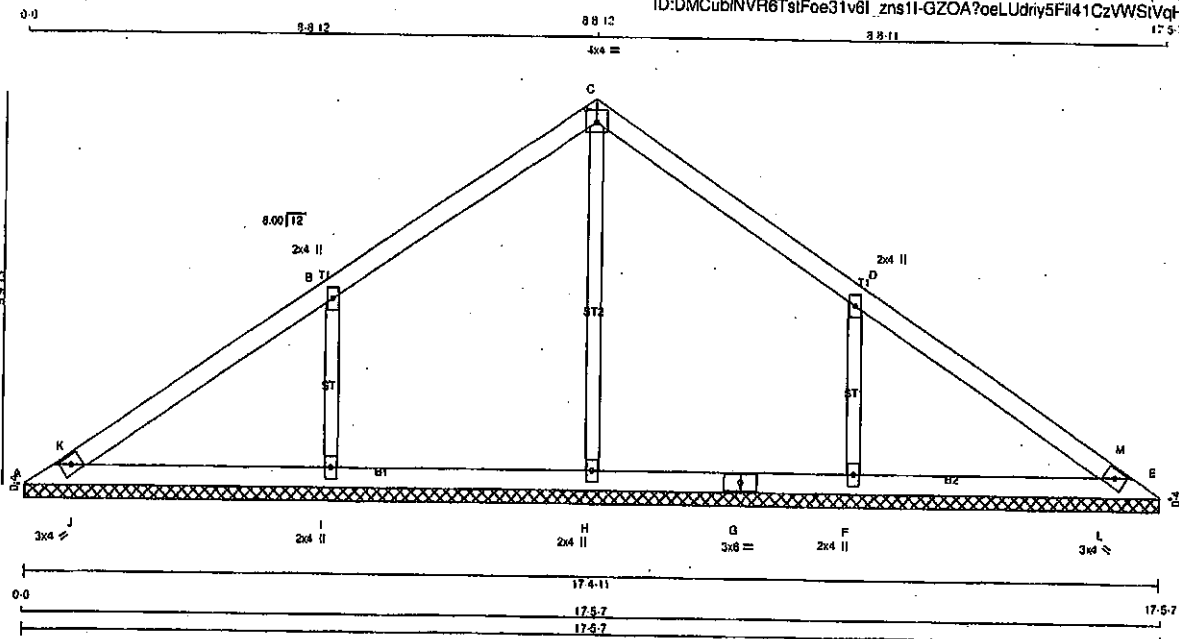


Structural component only
DWG# T-2007054 3/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408132	V20	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6l_zns11-GZOA?oeLUdry5F41CzVWSiVqHzzuKAXaEFbzNDLV



Scale = 1/32"

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG
	VERT	DOWN	HORIZ	UPLIFT
A	137	0	0	17-4-11 (8-4-18) 4-11
E	137	0	0	17-4-11 (8-4-18) 4-11
H	482	0	0	17-4-11 (8-4-18) 4-11
I	580	0	0	17-4-11 (8-4-18) 4-11
F	580	0	0	17-4-11 (8-4-18) 4-11

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

UNFACTORED REACTIONS

JT	1ST CASE	MAX./MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
A	97	68 / 0	0 / 0	0 / 0	0 / 0	30 / 0	0 / 0	0 / 0
E	97	68 / 0	0 / 0	0 / 0	0 / 0	30 / 0	0 / 0	0 / 0
H	344	211 / 0	0 / 0	0 / 0	0 / 0	133 / 0	0 / 0	0 / 0
I	410	273 / 0	0 / 0	0 / 0	0 / 0	137 / 0	0 / 0	0 / 0
F	410	273 / 0	0 / 0	0 / 0	0 / 0	137 / 0	0 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 FT.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX. CS1 (LC)	UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
FR-TO						FR-TO			
A-K	0 / 109	-91.8	-91.8	0.05 (4)	10.00	H-C	-439 / 0	0.22 (1)	
K-B	0 / 158	-91.8	-91.8	0.28 (1)	10.00	I-B	-453 / 0	0.08 (1)	
B-C	0 / 116	-91.8	-91.8	0.28 (1)	10.00	F-D	-453 / 0	0.08 (1)	
C-D	0 / 116	-91.8	-91.8	0.28 (1)	10.00	J-K	-122 / 8	0.00 (1)	
D-M	0 / 156	-91.8	-91.8	0.28 (1)	10.00	L-M	-122 / 8	0.00 (1)	
M-E	0 / 109	-91.8	-91.8	0.05 (4)	10.00				
A-J	-126 / 0	-18.5	-18.5	0.12 (1)	8.25				
J-I	-105 / 0	-18.5	-18.5	0.12 (1)	8.25				
I-H	-118 / 0	-18.5	-18.5	0.09 (1)	8.25				
H-G	-118 / 0	-18.5	-18.5	0.09 (1)	8.25				
G-F	-118 / 0	-18.5	-18.5	0.09 (1)	8.25				
F-L	-105 / 0	-18.5	-18.5	0.12 (1)	8.25				
L-E	-126 / 0	-18.5	-18.5	0.12 (1)	8.25				

TOTAL WEIGHT = 51 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	= 38.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 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

CS1: TC=0.28/1.00 (B-K:1), EC=0.12/1.00 (I-J:1), WB=0.22/1.00 (C-H:1), SS=0.15/1.00 (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

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	1867	788	1987	1858

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.40 (D) (INPUT = 0.90)

JSI METAL= 0.23 (B) (INPUT = 1.00)

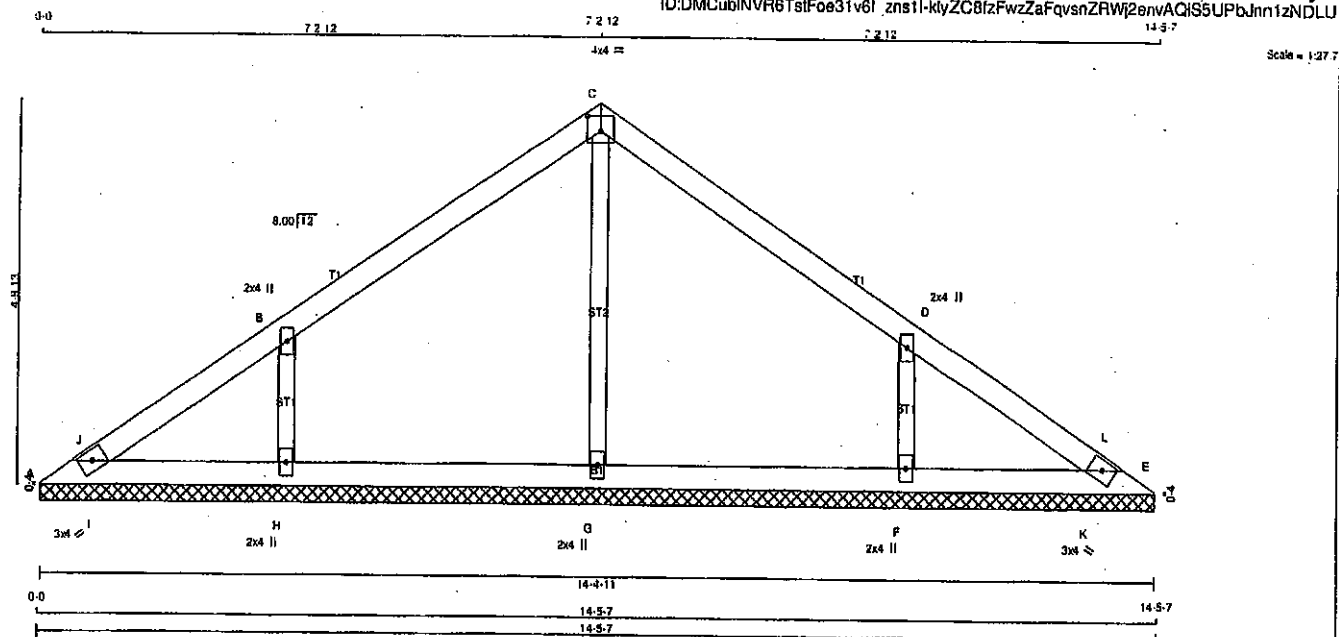


Structural component only
DWG# T-2007033

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408132	V21	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2			SPF
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)	JT	TYPE	PLATES	W	LEN	Y	X
A	TBM1-h	MT20	3.0	4.0			
B	TTW-w	MT20	2.0	4.0			
D	TTW-w	MT20	4.0	4.0	2.25	2.00	
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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	RECORD BRG
	VERT	HORZ	DOWN	HORZ		
A	128	0	128	0	14-4-11	14-4-11
E	128	0	128	0	14-4-11	14-4-11
G	361	0	361	0	14-4-11	14-4-11
H	485	0	485	0	14-4-11	14-4-11
F	485	0	485	0	14-4-11	14-4-11

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
A	90	62 / 0	0 / 0	0 / 0	0 / 0	28 / 0	0 / 0
E	90	62 / 0	0 / 0	0 / 0	0 / 0	28 / 0	0 / 0
G	259	153 / 0	0 / 0	0 / 0	0 / 0	105 / 0	0 / 0
H	342	230 / 0	0 / 0	0 / 0	0 / 0	112 / 0	0 / 0
F	342	230 / 0	0 / 0	0 / 0	0 / 0	112 / 0	0 / 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 = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED MAX CSI (LC)		
FR-TO		FROM	TO		FR-TO				
A-J	-44 / 0	-91.8	-91.8	0.04 (1)	6.25	G-C	-292 / 0	0.10 (1)	
J-B	0 / 15	-91.8	-91.8	0.21 (1)	10.00	H-B	-399 / 0	0.08 (1)	
B-C	-28 / 4	-91.8	-91.8	0.21 (1)	8.25	F-D	-399 / 0	0.08 (1)	
C-D	-28 / 4	-91.8	-91.8	0.21 (1)	6.25	I-J	-28 / 7	0.00 (1)	
D-L	0 / 15	-91.8	-91.8	0.21 (1)	10.00	K-L	-28 / 7	0.00 (1)	
L-E	-44 / 0	-91.8	-91.8	0.04 (1)	6.25				
A-I	-5 / 18	-18.5	-18.5	0.04 (1)	10.00				
I-H	-3 / 24	-18.5	-18.5	0.05 (4)	10.00				
H-G	-7 / 6	-18.5	-18.5	0.08 (4)	10.00				
G-F	-7 / 6	-18.5	-18.5	0.08 (4)	10.00				
F-K	-3 / 24	-18.5	-18.5	0.05 (4)	10.00				
K-E	-5 / 18	-18.5	-18.5	0.04 (1)	10.00				

DESIGN CRITERIA

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

SPACING = 24.0 IN. O.C.

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

CSI: TC=0.21/1.00 (B-J:1), BC=0.08/1.00 (G-H:4), WB=0.10/1.00 (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

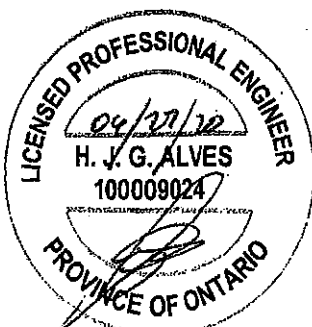
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP (D) SHEAR SECTION (PS) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 788 1987 1856

PLATE PLACEMENT TOL = 0.250 inches

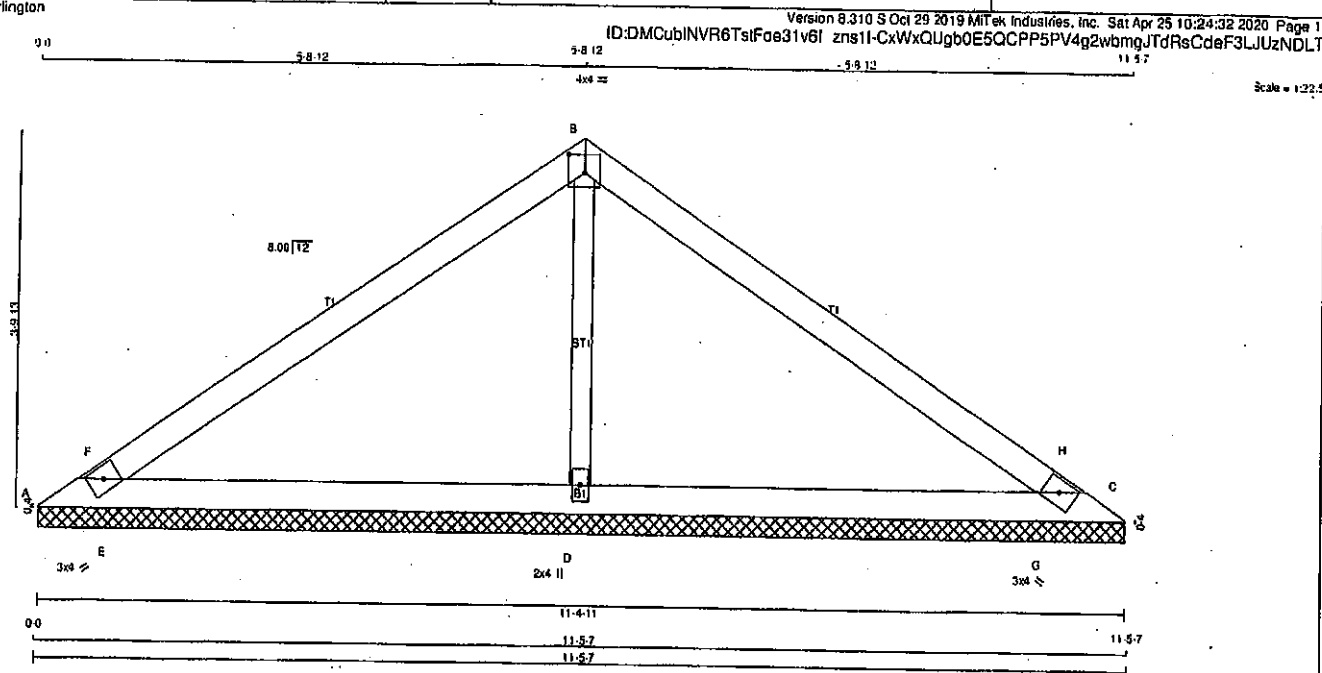
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.27 (D) (INPUT = 0.90)
JSI METAL = 0.20 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007034

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408132	V22	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	



LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
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)				
JT	TYPE	PLATES	W	LEN Y X
A	TBM1-h	MT20	3.0	4.0
B	TTW-p	MT20	4.0	4.0 2.25 2.00
C	TBM1-h	MT20	3.0	4.0
D	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	RECORD BRG
	VERT	HORZ	DOWN	HORZ
A	-11	0	0	-11
C	-11	0	0	-11
D	1277	0	1277	0

PROVIDE ANCHORAGE AT BEARING JOINT A FOR 150 LBS. FACTORED UPLIFT
PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS. FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE	
A	-7	0/-7	0/0	0/0	0/0
C	-7	0/-7	0/0	0/0	0/0
D	902	597/0	0/0	0/0	305/0

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 (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-F	0/591	-91.8 -91.8	0.25 (1)	D-B	-1043/0	0.23 (1)	
F-B	0/564	-91.8 -91.8	0.39 (1)	E-F	-332/0	0.00 (1)	
B-H	0/564	-91.8 -91.8	0.39 (1)	G-H	-332/0	0.00 (1)	
H-C	0/591	-91.8 -91.8	0.25 (1)				
A-E	-528/0	-18.5 -18.5	0.25 (1)				
E-D	-480/0	-18.5 -18.5	0.25 (1)				
D-G	-480/0	-18.5 -18.5	0.25 (1)				
G-C	-528/0	-18.5 -18.5	0.25 (1)				

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

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

CSI: TC=0.39/1.00 (B-F:1), BC=0.25/1.00 (D-E:1),
WB=0.23/1.00 (B-D:1), SS=0.18/1.00 (A-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

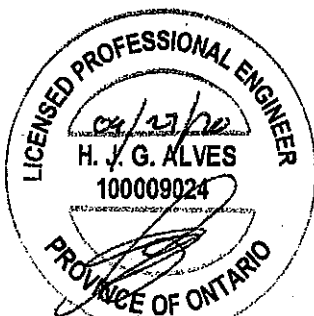
NAIL VALUES

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

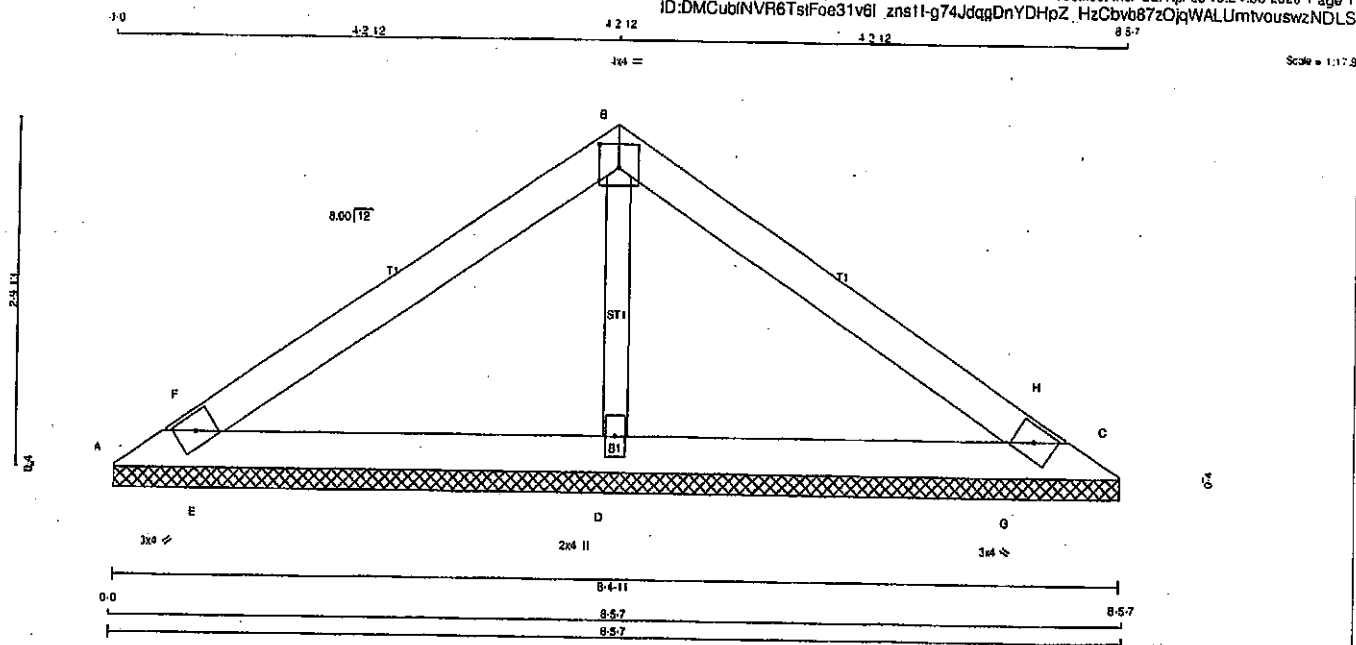
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.88 (B) (INPUT = 0.90)
JSI METAL= 0.30 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007035



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

PLATES (tablets in inches)				
JT TYPE	PLATES	W	LEN	Y X
A TBM1-h	MT20	3.0	4.0	
B TTW-p	MT20	4.0	4.0	2.25 2.00
C TBM1-h	MT20	3.0	4.0	
D BMW1-w	MT20	2.0	4.0	

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

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
A	58	0	58	0	0	8-4-11	8-4-11
C	58	0	58	0	0	8-4-11	8-4-11
D	808	0	808	0	0	8-4-11	8-4-11

UNFACTORED REACTIONS

1ST LCASE		MAX MIN COMPONENT REACTIONS		PERM LIVE		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM	LIVE	WIND	WIND	DEAD	DEAD	SOIL	SOIL
A	41	27/0	0/0	0/0	0/0	0/0	0/0	14/0	0/0	0/0	0/0
C	41	27/0	0/0	0/0	0/0	0/0	0/0	14/0	0/0	0/0	0/0
D	572	375/0	0/0	0/0	0/0	0/0	0/0	196/0	0/0	0/0	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		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)	MAX. FACTORED	MAX. FACTORED
FR-TO		FROM	TO	FR-TO		FROM	TO
A-F	0/297	-91.8	-91.8 0.10 (1)	D-B	-823/0	0.10 (1)	0.10 (1)
F-B	0/294	-91.8	-91.8 0.20 (1)	E-F	-202/0	0.00 (1)	0.00 (1)
B-H	0/294	-91.8	-91.8 0.20 (1)	G-H	-202/0	0.00 (1)	0.00 (1)
H-C	0/297	-91.8	-91.8 0.10 (1)				
A-E	-278/0	-18.5	-18.5 0.15 (1)				
E-D	-250/0	-18.5	-18.5 0.15 (1)				
D-G	-250/0	-18.5	-18.5 0.15 (1)				
G-C	-278/0	-18.5	-18.5 0.15 (1)				

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

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

CSI: TC=0.20/1.00 (B-F:1), BC=0.15/1.00 (D-E:1), WB=0.10/1.00 (B-D:1), SSI=0.11/1.00 (A-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

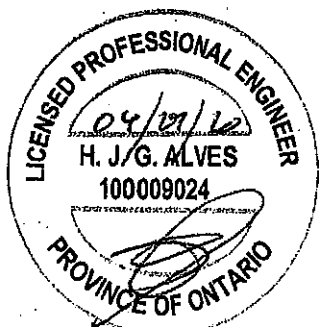
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.52 (B) (INPUT = 0.90)
JSI METAL = 0.18 (B) (INPUT = 1.00)





DRY: SEASONED LUMBER.

PLATES (tablets in inches)

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

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

UNFACTORED REACTIONS

JT E C D.	1ST CASE	MAX. MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
	389	257 / 0	0 / 0	0 / 0	0 / 0	111 / 0	0 / 0
	139	113 / 0	0 / 0	0 / 0	0 / 0	26 / 0	0 / 0
	38	0 / 0	0 / 0	0 / 0	0 / 0	38 / 0	0 / 0

BRACING

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBB			
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		UNBRAC LENGTH	FR-TO		
E-B	-461 / 0	0.0	0.0	0.13 (4)	7.81		
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00		
B-C	-30 / 0	-91.8	-91.8	0.64 (1)	6.25		
E-D	0 / 0	-18.5	-18.5	0.13 (4)	10.00		

SPECIFIED LOADS:

SPACING is **24.0** **IN. C/C**

THIS DESIGN COMPLIES WITH:

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

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")

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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

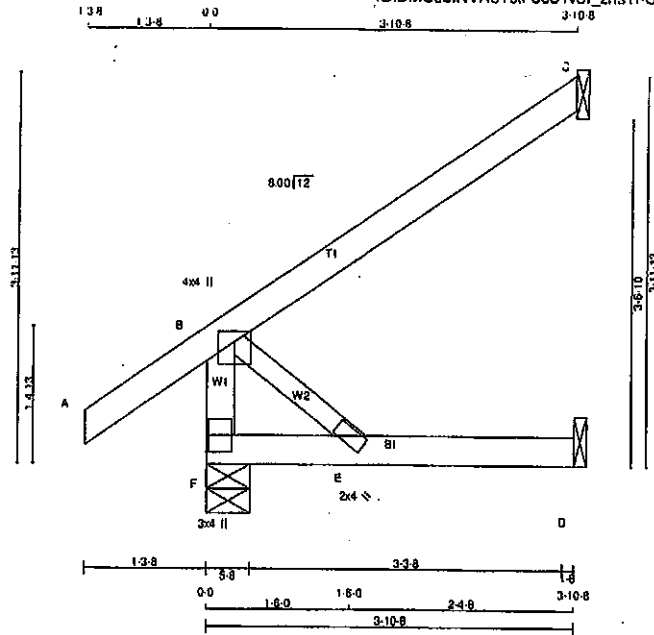


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408131	J2	4	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Tamarack Roof Truss, Burlington

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Scale = 1/22.5



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

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

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	VERT	GROSS REACTION	GROSS REACTION	BRG	BRG
F	340	0	340	0	5-8
C	178	0	178	0	5-8
D	36	0	40	0	1-8

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

UNFACTORED REACTIONS		MAX. MIN. COMPONENT REACTIONS					
JT	1ST LCASE COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SC
F	238	169/0	0/0	0/0	0/0	88/0	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	28/0	0/0

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

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

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

LOADING
TOTAL LOAD CASES: (5)

CHORDS		MAX. FACTORED	FACTORED	W E B S	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)
FR-TO		FROM	TO	FR-TO	
F-B	-304/0	0.0	0.0	0.03 (1)	7.81
A-B	0/35	-91.8	-91.8	0.14 (5)	10.00
B-C	0/0	-91.8	-91.8	0.23 (1)	10.00
F-E	0/0	-18.5	-18.5	0.08 (4)	10.00
E-D	0/0	-18.5	-18.5	0.08 (4)	10.00

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 4 X 14 = 57 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 38.0 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 NBC 2010, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.19")
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=0.09/1.00 (B-E:1), SI=0.12/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



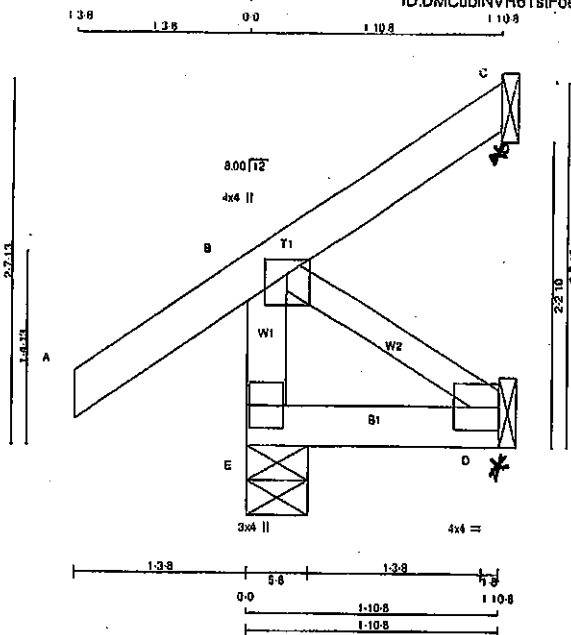
Structural component only
DWG# T-2007014

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408131	J3	4	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale: 3/4" = 1'



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

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

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

DESCR.
SPF
SPF
SPF

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
	VERT	HORZ	DOWN	HORZ
JT	274	0	274	0
E	40	0	40	0
C	16	0	16	0

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

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	191	144 / 0	0 / 0	0 / 0	0 / 0	47 / 0	0 / 0
C	27	22 / -26	0 / 0	0 / 0	0 / 0	5 / 0	0 / 0
D	13	0 / 0	0 / 0	0 / 0	0 / 0	13 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)
MEMB.					MEMB.		
FR-TO		FROM TO			FR-TO		
E-B	-258 / 0	0.0 0.0 0.03 (1)	7.81	8-D	0 / 0	0.00 (1)	
A-B	0 / 35	-91.8 -91.8 0.12 (1)	10.00				
B-C	-26 / 0	-91.8 -91.8 0.12 (1)	6.25				
E-D	0 / 0	-18.5 -18.5 0.02 (4)	10.00				

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 4 X 9 = 37 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL. (TL) = L/360 (0.19")

CALCULATED VERT. DEFL. (TL) = L/989 (0.00")

CSI: TC=0.12/1.00 (A-B:1), BC=0.02/1.00 (D-E:4), WB=0.00/1.00 (B-D:1), SSI=0.09/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE	GRIP (DRY)	SHEAR	SECTION
(PS)	(PL)	(PS)	(PL)
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 (B) (INPUT = 0.90)

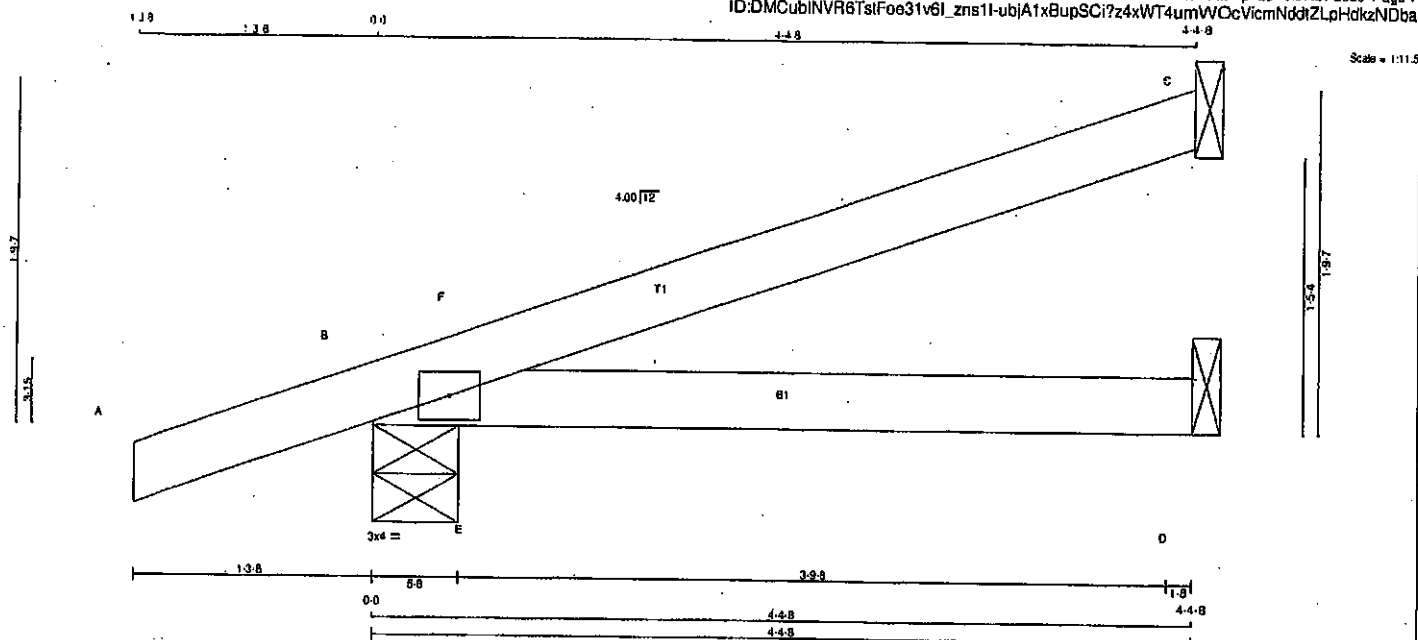
JSI METAL = 0.05 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007015

JOB NAME 408131	TRUSS NAME J4	QUANTITY 10	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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

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

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

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

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

UNFACTORED REACTIONS

JT	COMBINED	MAX/MIN COMPONENT REACTIONS					
		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	120	93/0	0/0	0/0	0/0	27/0	0/0
B	255	180/0	0/0	0/0	0/0	75/0	0/0
D	50	19/0	0/0	0/0	0/0	32/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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		FACTORED		W E B S		MAX. FACTORED	
	MAX. FORCE (LBS)	VERT. LOAD (LBS)	VERT. LOAD (LBS)	LC1 MAX (LBS)	MAX. UNBRACED LENGTH (LBS)	FR-TO	MAX. FORCE (LBS)	MAX. CSI (LC)
A-B	0/18	-91.8	-91.8	0.11 (1)	10.00	E-F	-194/7	0.00 (1)
B-F	-14/0	-91.8	-91.8	0.05 (4)	8.25			
F-C	0/2	-91.8	-91.8	0.22 (1)	10.00			
B-E	0/0	-18.5	-18.5	0.17 (1)	10.00			
E-D	0/0	-18.5	-18.5	0.17 (1)	10.00			

TOTAL WEIGHT = 10 X 12 = 119 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL. (LL) = L/360 (0.19")
CALCULATED VERT. DEFL. (LL) = L/999 (0.02")
ALLOWABLE DEFL. (TL) = L/360 (0.19")
CALCULATED VERT. DEFL. (TL) = L/999 (0.05")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

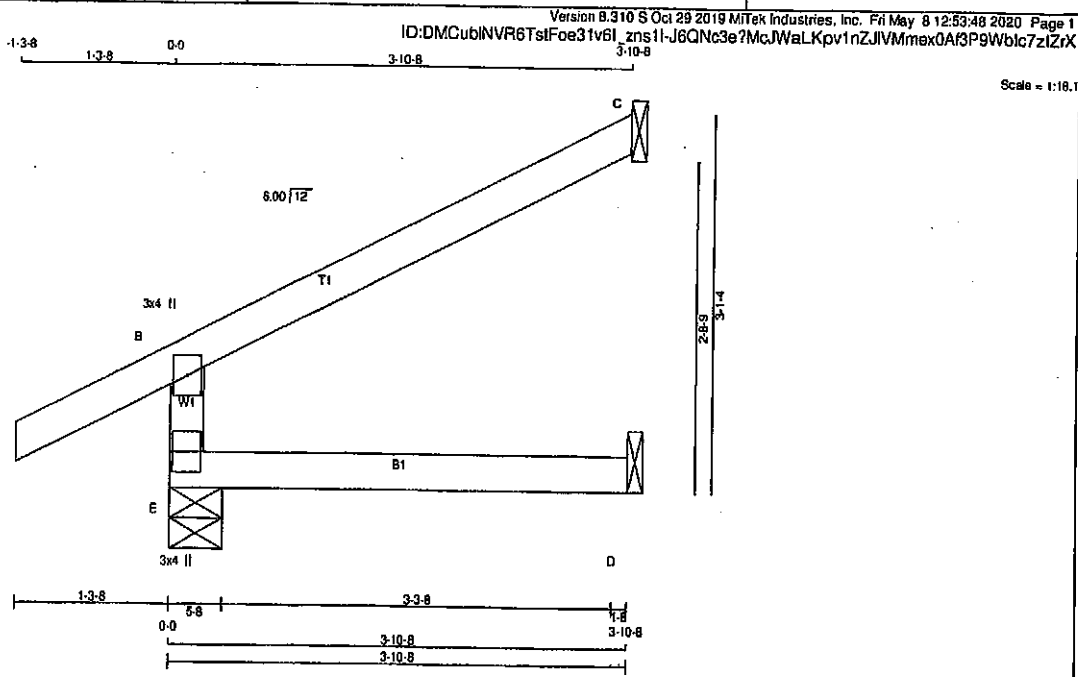
PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2007016

JOB NAME 408133	TRUSS NAME J30	QUANTITY 2	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.
E - B	2x4	DRY	No.2
A - C	2x4	DRY	No.2
E - D	2x4	DRY	No.2

SPF

SPF

SPF

DRY: SEASONED LUMBER.

PLATES (table in inches)

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

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
E	388	388	5-8	5-8
C	133	133	1-8	1-8
D	30	34	1-8	1-8

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

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS
E	272	193 / 0
C	92	74 / 0
D	24	0 / 0

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (5)

MEMB.	CHORDS		FACTORED		WEBS	
	MAX. FACTORED FORCE (LBS)	VERT. LOAD LC1	MAX. FACTORED (PLF)	MAX. FACTORED CSI (LC)	MAX. FACTORED UNBRACED LENGTH FR-TO	MAX. FACTORED FORCE (LBS)
FR-TO						
E-B	-347.0	0.0	0.0	0.05 (4)	7.81	
A-B	0.28	-91.8	-91.8	0.14 (5)	10.00	
B-C	-20.0	-91.8	-91.8	0.23 (1)	6.25	
E-D	0.0	-18.5	-18.5	0.06 (4)	10.00	

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 2 X 12 = 24 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 088.09, CSA 088-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL. (LL) = $L/360$ (0.19')

CALCULATED VERT. DEFL. (LL) = $L/989$ (0.00')

ALLOWABLE DEFL. (TL) = $L/360$ (0.19')

CALCULATED VERT. DEFL. (TL) = $L/989$ (0.01')

CSI: TC=0.23/1.00 (B-C:1), BC=0.08/1.00 (D-E:4).

WB=0.00/1.00 (n/a:0), SSI=0.16/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

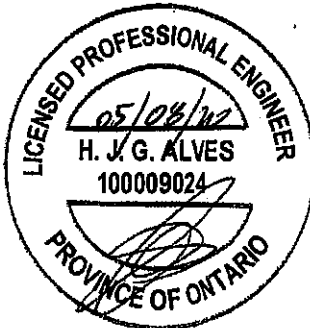
PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)	MAX MIN	MAX MIN	MAX MIN
MT20	618	354	1687	788	1987

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.15 (E) (INPUT = 0.90)

JSI METAL= 0.10 (B) (INPUT = 1.00)



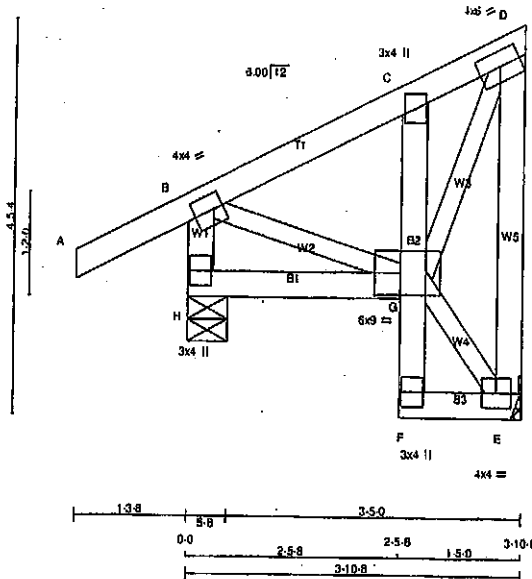
Structural component only
DWG# T-2008522

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408133	J31S	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/24.5



LUMBER	CHORDS	SIZE	DRY	LUMBER	DESCR.
N. L. G. A. RULES	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 (tablets in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW-1	MT20	4.0	4.0	2.00	1.25
C	TMV-p	MT20	3.0	4.0		
D	TMVW-1	MT20	4.0	6.0	2.00	3.00
E	BMVW1-1	MT20	4.0	4.0		
F	BMV-p	MT20	3.0	4.0		
G	BMVWW-1	MT20	6.0	9.0	3.00	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 GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
H	330	0	330	0
E	208	0	208	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
H	231	165 / 0	0 / 0	0 / 0	0 / 0	86 / 0	0 / 0
E	145	95 / 0	0 / 0	0 / 0	0 / 0	50 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 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. LC1 (LBS)	MAX. LC2 (LBS)	MAX. UNBRACED LENGTH FR-TO	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 (LBS)
H-B		-308 / 0	0.0	0.0	0.03 (1)	7.81	B-G		0 / 105	0.02 (1)
A-B		0 / 28	-91.8	-91.8	0.13 (6)	10.00	E-D		-185 / 0	0.04 (1)
B-C		-104 / 0	-91.8	-91.8	0.07 (1)	8.25	G-E		-14 / 0	0.00 (1)
C-D		-114 / 0	-91.8	-91.8	0.08 (1)	8.25	G-D		0 / 229	0.05 (1)
H-G		0 / 0	-18.5	-18.5	0.04 (4)	10.00				
F-G		0 / 12	0.0	0.0	0.02 (1)	10.00				
G-C		-221 / 0	0.0	0.0	0.02 (1)	7.81				
F-E		0 / 9	-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. O.C.

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 085-14
- TPIC 2011, TPIC 2014

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

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

CSI: TC=0.13/1.00 (A-B-5), BC=0.04/1.00 (G-H-4),
WB=0.05/1.00 (D-G-1), SSI=0.10/1.00 (A-B-5)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

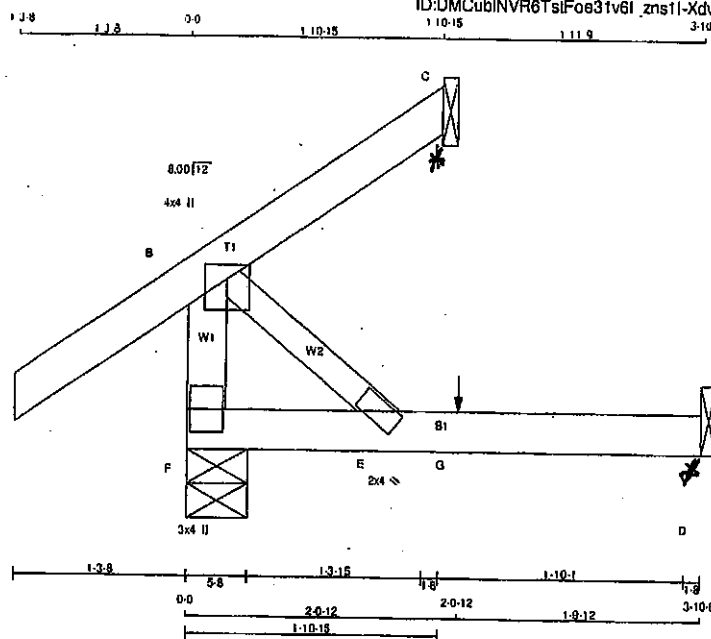
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.19 (D) (INPUT = 0.90)
JSI METAL= 0.08 (D) (INPUT = 1.00)



Structural component only
DWG# T-2007040

JOB NAME 408131	TRUSS NAME C1	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			



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.			

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	SPF	VERT	HORZ	GROSS REACTION	GROSS REACTION	BRG	IN-SX	BRG	IN-SX
F	295	0	295	0	0	5-8	5-8	5-8	5-8
C	42	0	42	0	-35	1-8	1-8	1-8	1-8
D	38	0	40	0	0	1-8	1-8	1-8	1-8

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

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

1ST CASE		MAX./MIN. COMPONENT REACTIONS		PERM. LIVE		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	COMBINED	SNOW	LIVE	PERM. LIVE
F	207	144/0	0/0	0/0	0/0	63/0	0/0	63/0	0/0	0/0	0/0
C	29	24/25	0/0	0/0	0/0	6/0	0/0	6/0	0/0	0/0	0/0
D	29	0/0	0/0	0/0	0/0	29/0	0/0	29/0	0/0	0/0	0/0

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

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. (LC1)	MEMB.	FORCE (LBS)	MAX. (LC1)	MAX. (LC1)
FR-TO		FROM TO		FR-TO			
F-B	-259/0	0.0	0.0	0.03 (1)	7.81	0/0	0.00 (1)
A-B	0/35	-91.8	-91.8	0.14 (5)	10.00		
B-C	-25/0	-91.8	-91.8	0.13 (5)	6.25		
F-E	0/0	-18.5	-18.5	0.08 (4)	10.00		
E-G	0/0	-18.5	-18.5	0.08 (4)	10.00		
G-D	0/0	-18.5	-18.5	0.08 (4)	10.00		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LOC	MAX	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	2-0-12	1	1	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 3 X 11 = 34 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2010, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-08, CSA 086-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

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

CSI: TC=0.14/1.00 (A-B:5), BC=0.08/1.00 (D-E:4), WB=0.00/1.00 (B-E:1), SS=0.00/1.00 (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	MAX MIN
MT20	818	354
	1687	788
	1987	1658

PLATE PLACEMENT TOL. = 0.250 inches

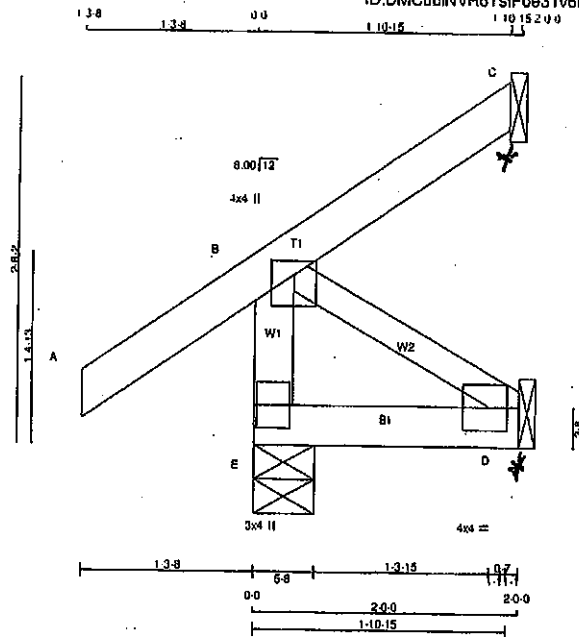
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.18 (B) (INPUT = 0.90)
JSI METAL = 0.65 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007012

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408131	C2	3	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Sat Apr 25 10:07:17 2020 Page 1					
ID:DMCubINVr6TsIFoe31v8l_zns1l-?qTl8aNIehHXLnAHd?yopDz45H8RpdHeir3UzzNDoe					
Scale = 1:16.2					



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

PLATES (tablets in inches)			
JT TYPE	PLATES	W	LEN Y X
B TMVW+p	MT20	4.0	4.0 1.25 2.00
D BMV1+1	MT20	4.0	4.0 2.00 1.50
E BMV1+p	MT20	3.0	4.0

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

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX	IN-SX
E	276	0	276	0	0	5-8	5-8	5-8	5-8
C	42	0	42	0	-35	1-8	1-8	1-8	1-8
D	18	0	20	0	0	1-8	1-8	1-8	1-8

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

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST LOASE	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
E	192	144 / 0	0 / 0	0 / 0	0 / 0	48 / 0	0 / 0
C	29	24 / -25	0 / 0	0 / 0	0 / 0	6 / 0	0 / 0
D	14	0 / 0	0 / 0	0 / 0	0 / 0	14 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED UNBRACED LENGTH (FT)
FR-TO			
E-B	-259 / 0	0.0	0.0 0.03 (1)
A-B	0 / 35	-91.8	-91.8 0.12 (1)
B-C	-25 / 0	-91.8	-91.8 0.12 (1)
E-D	0 / 0	-18.5	-18.5 0.02 (4)

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 3 X 10 = 29 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL. (TL) = L/360 (0.19")

CALCULATED VERT. DEFL. (TL) = L/899 (0.00")

CSI: TC=0.12/1.00 (A-B:1), BC=0.02/1.00 (D-E:4),
WB=0.00/1.00 (B-D:1), SSI=0.09/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 768 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

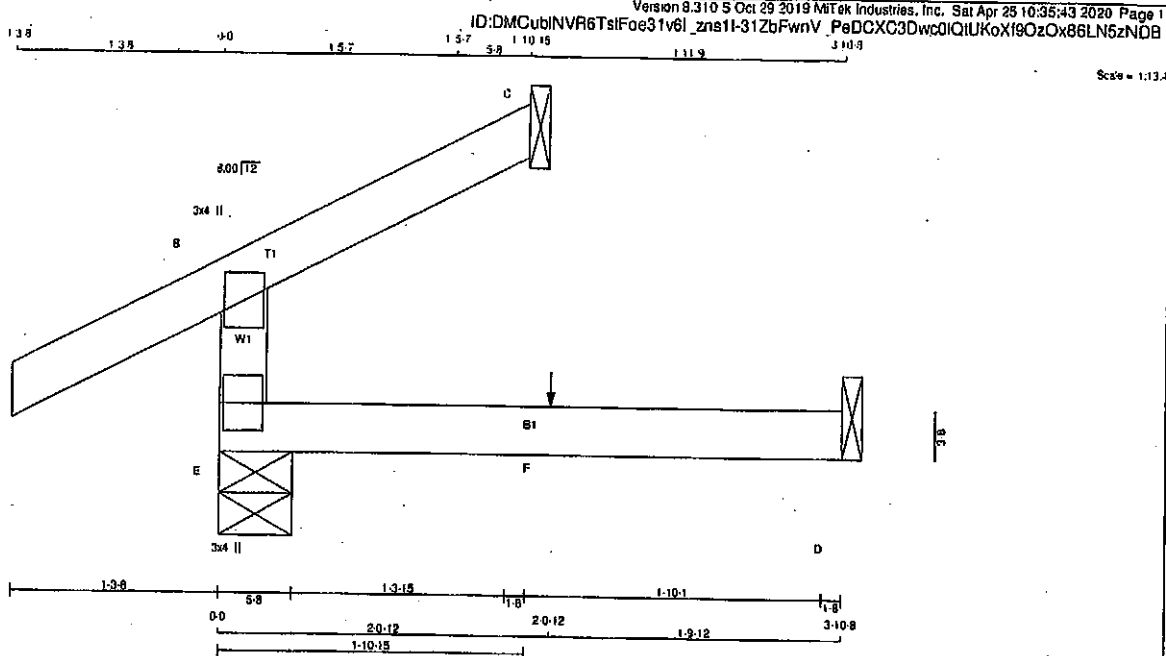
PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2007013

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408133	C34	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	



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

DRY, SEASONED LUMBER.

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

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

BUILDING DESIGNER

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORIZ	DOWN	HORIZ
E	275	0	275	0
C	66	0	66	0
D	30	0	34	0

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

UNFACTORED REACTIONS

	1ST LCASE	MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	194	130/0	0/0	0/0	0/0	64/0	0/0
C	46	37/0	0/0	0/0	0/0	9/0	0/0
D	24	0/0	0/0	0/0	0/0	24/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS				WEBS			
MEMB.	MAX. FACTORED	FACTORED		MEMB.	MAX. FACTORED		
	FORCE	VERT. LOAD	LC1 MAX		FORCE	MAX	
	(LBS)	(PLF)	CSI (LC)		(LBS)	CSI (LC)	
FR-TO		FROM TO		FR-TO			
E-B	-234/0	0.0	0.0 0.05 (4)	7.81			
A-B	0/28	-91.8	-91.8 0.14 (5)	10.00			
B-C	-10/0	-91.8	-91.8 0.06 (1)	10.00			
E-F	0/0	-18.5	-18.5 0.06 (4)	10.00			
F-D	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.
F	2-0-12	1	1	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 2 X 9 = 18 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

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 (0.01")

CSI: TC=0.14/1.00 (A-B-5), BC=0.06/1.00 (D-E-4), WB=0.00/1.00 (n/a:0), SS=0.10/1.00 (A-B-5)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX MIN	MAX MIN	MAX MIN	
MT20	616 354	1667 788	1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.10 (E) (INPUT = 0.90)

JSI METAL= 0.06 (B) (INPUT = 1.00)

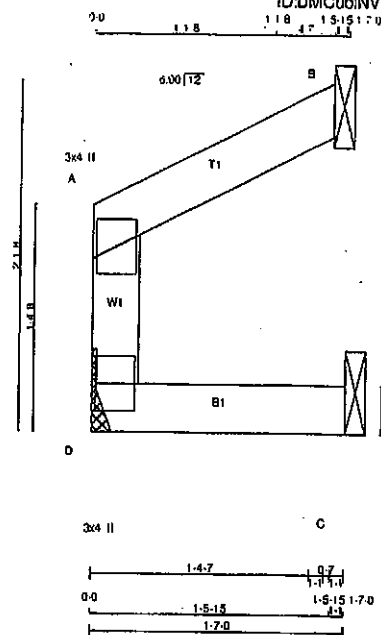


Structural component only
DWG# T-2007037

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO
408133	C35	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

ID:DMCubINVR6TstFoe31v6I_zns1I-XD6_SG07lm4pgmFnd7FHeQhpCtburDX9orvuXzNDaz

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Scale = 1/16"

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	GROSS REACTION	DOWN	GROSS REACTION	BRG	BRG
D	VERT	HORZ	DOWN	HORZ	UPLIFT
D	83	0	83	0	0
B	65	0	65	0	0
C	18	0	18	0	0

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

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
D	59	38/0	0/0	0/0	0/0	21/0	0/0
B	45	38/0	0/0	0/0	0/0	9/0	0/0
C	14	2/0	0/0	0/0	0/0	12/0	0/0

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED				WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	MAX. FACTORED (LC)	UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO						FR-TO	
D-A	-72/0	0.0	0.0	0.01 (1)	7.81		
A-B	-2/0	-91.8	-91.8	0.03 (1)	10.00		
D-C	0/0	-18.5	-18.5	0.01 (4)	10.00		

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.19")
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 (n/a:0), 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 768 1987 1656

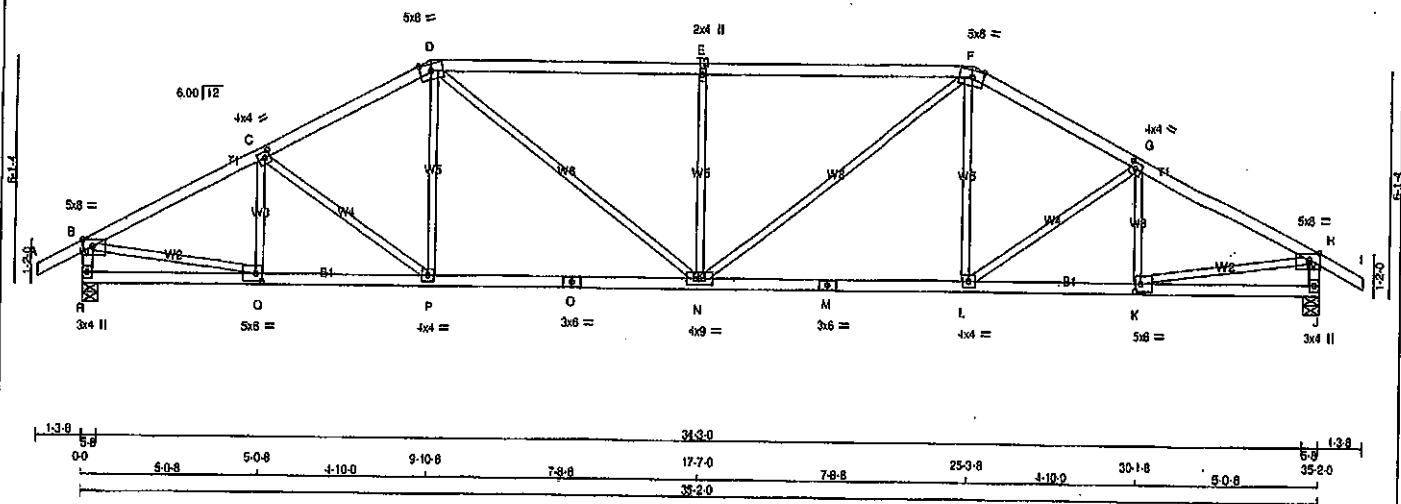
PLATE PLACEMENT TOL. = 0.250 inches

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-2007038



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	No.2	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
F - I	2x4	DRY	No.2	SPF
I - B	2x4	DRY	No.2	SPF
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 EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW-p	MT20	5.0	8.0	Edge	3.50
C	TMWW-l	MT20	4.0	4.0	2.00	1.75
D	TTWW-m	MT20	5.0	8.0	2.25	3.75
E	TMWW-v	MT20	2.0	4.0		
F	TTWW-m	MT20	5.0	8.0	2.25	3.75
G	TMWW-l	MT20	4.0	4.0	2.00	1.75
H	TMWW-p	MT20	5.0	8.0	Edge	3.50
J	BMWW-l	MT20	3.0	4.0		
K	BMWW-l	MT20	5.0	8.0	2.50	2.00
L	BMWW-l	MT20	4.0	4.0		
M	BS-l	MT20	4.0	9.0		
N	BMWW-l	MT20	4.0	9.0		
O	BS-l	MT20	3.0	6.0		
P	BMWW-l	MT20	4.0	4.0		
Q	BMWW-l	MT20	5.0	8.0	2.50	2.00
R	SMV-l	MT20	3.0	4.0		

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

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

BEARINGS

JT	VERT	HORIZ	DOWN	HORIZ	UPLIFT	IN-SX	BRG	REGRD
R	2063	0	2063	0	0	5-8	5-8	
J	2063	0	2063	0	0	5-8	5-8	

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
R	1457	989 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0	0 / 0
J	1457	989 / 0	0 / 0	0 / 0	0 / 0	488 / 0	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 = 2.78 FT.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLR)	MAX. FACTORED UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED UNBRACED LENGTH (LC)	CS (LC)
FR-TO				FR-TO			
A-B	0 / 28	-91.8	-91.8 0.12 (1)	10.00	Q-C	-353 / 0	0.08 (1)
B-C	-2834 / 0	-91.8	-91.8 0.39 (1)	3.81	Q-P	-210 / 0	0.13 (1)
C-D	-2887 / 0	-91.8	-91.8 0.37 (1)	3.91	P-D	0 / 246	0.06 (4)
D-E	-3080 / 0	-91.8	-91.8 0.97 (1)	2.78	D-N	0 / 844	0.19 (1)
E-F	-3080 / 0	-91.8	-91.8 0.97 (1)	2.78	N-E	-872 / 0	0.51 (1)
F-G	-2887 / 0	-91.8	-91.8 0.37 (1)	3.91	N-F	0 / 844	0.19 (1)
G-H	-2834 / 0	-91.8	-91.8 0.39 (1)	3.81	L-F	0 / 246	0.06 (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 / 2398	-18.5	-18.5 0.49 (1)	10.00			
O-N	0 / 2388	-18.5	-18.5 0.49 (1)	10.00			
N-M	0 / 2388	-18.5	-18.5 0.49 (1)	10.00			
M-L	0 / 2388	-18.5	-18.5 0.49 (1)	10.00			
L-K	0 / 2555	-18.5	-18.5 0.51 (1)	10.00			
K-J	0 / 0	-18.5	-18.5 0.10 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

DL = 8.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 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 2010
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-08, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL. (LL) = L/360 (1.17)

CALCULATED VERT. DEFL. (LL) = L/999 (0.17)

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

CALCULATED VERT. DEFL. (TL) = L/999 (0.34)

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

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1667 788 1987 1856

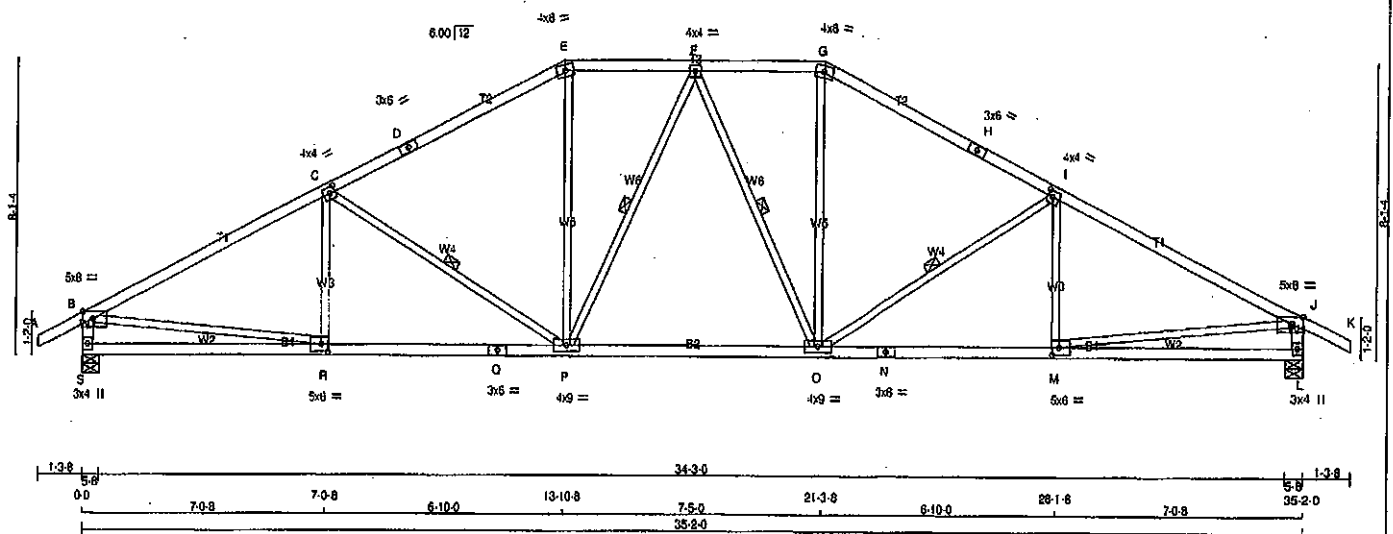
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

JSI METAL=0.82 (M) (INPUT = 1.00)





TOTAL WEIGHT = 2 X 145 = 291 lb (M/F)

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

A - D	2x4	DRY	No.2	SPF
E - G	2x4	DRY	No.2	SPF
H - I	2x4	DRY	No.2	SPF
J - K	2x4	DRY	No.2	SPF
L - M	2x4	DRY	No.2	SPF
N - O	2x4	DRY	No.2	SPF
P - Q	2x4	DRY	No.2	SPF
R - S	2x4	DRY	No.2	SPF
T - U	2x4	DRY	No.2	SPF
V - W	2x4	DRY	No.2	SPF
X - Y	2x4	DRY	No.2	SPF
Z - A	2x4	DRY	No.2	SPF

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

PLATES (table in inches)

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

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

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

BEARINGS

JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	REGR
S	2083	0	2083	0	0	5-8	5-8
L	2083	0	2083	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	1457	969 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0
L	1457	969 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0

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

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.25 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		FACTORED		WEBS		FACTORED	
MEMB.	MAX. FORCE (LBS)	VERT. LOAD	LC1 MAX (PLF)	MEMB.	MAX. FORCE (LBS)	VERT. LOAD	LC1 MAX (PLF)
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	0 / 28	-91.8	-91.8 0.12 (1)	10.00	R-C	-182 / 52	0.08 (1)
B-C	-2908 / 0	-91.8	-91.8 0.83 (1)	3.25	C-P	-537 / 0	3.29 (1)
C-D	-2373 / 0	-91.8	-91.8 0.72 (1)	3.66	P-E	0 / 874	0.15 (1)
D-E	-2373 / 0	-91.8	-91.8 0.72 (1)	3.66	F-P	-222 / 0	0.11 (1)
E-F	-2109 / 0	-91.8	-91.8 0.19 (1)	4.53	F-O	-222 / 0	0.11 (1)
F-G	-2109 / 0	-91.8	-91.8 0.19 (1)	4.53	O-G	0 / 874	0.15 (1)
G-H	-2373 / 0	-91.8	-91.8 0.72 (1)	3.66	O-I	-537 / 0	0.29 (1)
H-I	-2373 / 0	-91.8	-91.8 0.72 (1)	3.66	M-I	-182 / 52	0.08 (1)
I-J	-2808 / 0	-91.8	-91.8 0.83 (1)	3.25	B-R	0 / 2649	0.80 (1)
J-K	0 / 28	-91.8	-91.8 0.12 (1)	10.00	M-J	0 / 2649	0.80 (1)
S-B	-2008 / 0	0.0	0.0 0.20 (1)	5.96			
L-J	-2008 / 0	0.0	0.0 0.20 (1)	5.96			
S-R	0 / 0	-18.5	-18.5 0.20 (4)	10.00			
R-Q	0 / 2630	-18.5	-18.5 0.52 (1)	10.00			
Q-P	0 / 2630	-18.5	-18.5 0.52 (1)	10.00			
P-O	0 / 2193	-18.5	-18.5 0.45 (1)	10.00			
O-N	0 / 2630	-18.5	-18.5 0.52 (1)	10.00			
N-M	0 / 2630	-18.5	-18.5 0.52 (1)	10.00			
M-L	0 / 0	-18.5	-18.5 0.20 (4)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = U/989 (0.14")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = U/989 (0.30")

CSI: TC=0.83/1.00 (J-I); BC=0.52/1.00 (M-O); I).
WB=0.60/1.00 (J-M); SI=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.

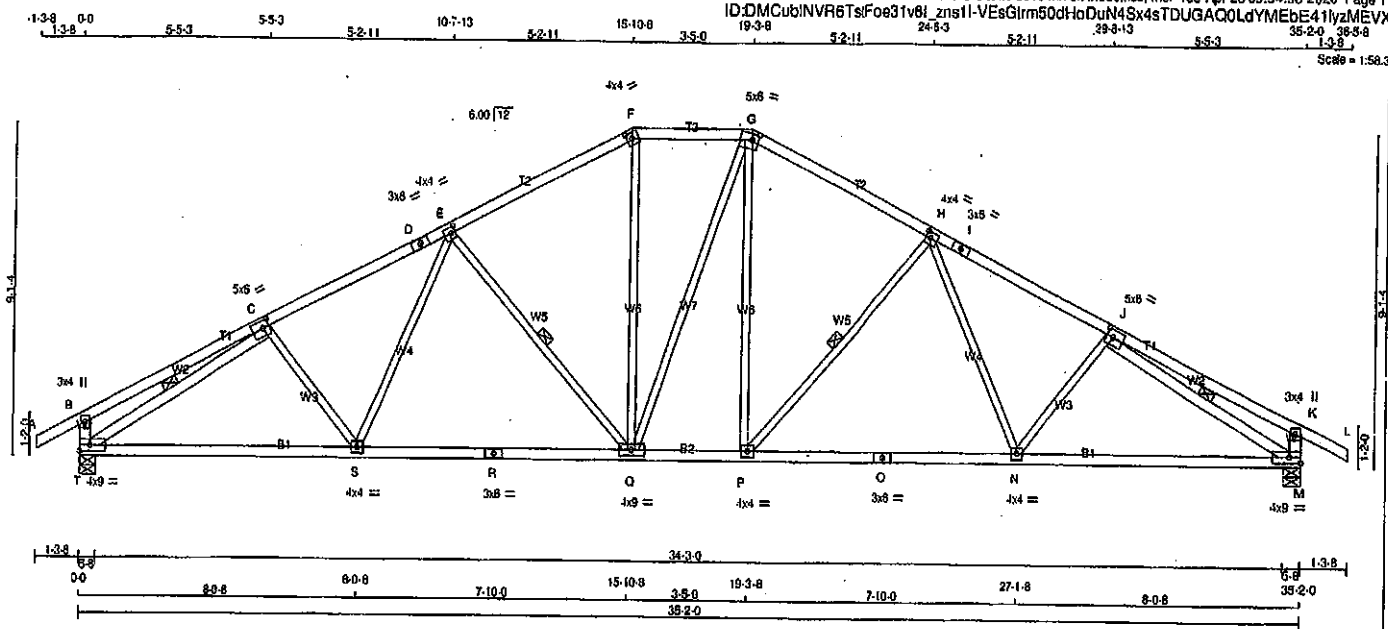
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PS) (PL) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1697 788 1987 1656

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

JSI GRIP = 0.88 (M) (INPUT = 0.90)
JSI METAL = 0.79 (O) (INPUT = 1.00)



Structural component only
 DWG# T-2007718



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 - G	2x4	DRY No.2	SPF
G - I	2x4	DRY No.2	SPF
I - L	2x4	DRY No.2	SPF
L - M	2x4	DRY No.2	SPF
M - K	2x4	DRY No.2	SPF
K - R	2x4	DRY No.2	SPF
R - O	2x4	DRY No.2	SPF
O - M	2x4	DRY No.2	SPF
ALL WEBS EXCEPT J - M	2x3	DRY No.2	SPF

DRY: SEASONED LUMBER.

PLATES (Table is in inches)

PLATE TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0	
C	TMVW-1	MT20	5.0	6.0	2.50 2.25
D	TS-1	MT20	3.0	6.0	
E	TMVW-1	MT20	4.0	4.0	2.00 1.50
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	TMVW-1	MT20	4.0	4.0	2.00 1.50
I	TS-1	MT20	3.0	6.0	
J	TMVW-1	MT20	5.0	6.0	2.50 2.25
K	TMV+p	MT20	3.0	4.0	
M	BMVW-1	MT20	4.0	9.0	Edge
N, P, S	BMVW-1	MT20	4.0	4.0	
O	BS-1	MT20	3.0	6.0	
Q	BMVW-1	MT20	4.0	9.0	
R	BS-1	MT20	3.0	6.0	
T	BMVW-1	MT20	4.0	9.0	Edge

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

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

BEARINGS

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

UNFACTORED REACTIONS

	1ST CASE	MAX	MIN	COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE	PERM.LIVE
T	1457	969.0	0.0	0.0
M	1457	969.0	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 E-Q, H-P, C-T, J-M

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FACTORED		WEBS		FACTORED	
	MAX. FORCE (LBS)	VERT. LOAD (PLF)	MAX. FORCE (LBS)	VERT. LOAD (PLF)	MAX. FORCE (LBS)	VERT. LOAD (PLF)	MAX. FORCE (LBS)	VERT. LOAD (PLF)
A-B	0.28	-91.8	-91.8	0.12 (1)	10.00	-110.37	0.04 (1)	
B-C	0.20	-91.8	-91.8	0.32 (1)	10.00	-0.277	0.06 (1)	
C-D	-2760.0	-91.8	-91.8	0.40 (1)	3.88	-691.0	0.31 (1)	
D-E	-2760.0	-91.8	-91.8	0.40 (1)	3.88	-0.613	0.14 (1)	
E-F	-2187.0	-91.8	-91.8	0.38 (1)	4.30	0.4	0.00 (1)	
F-G	-1925.0	-91.8	-91.8	0.18 (1)	4.71	-0.809	0.14 (1)	
G-H	-2185.0	-91.8	-91.8	0.36 (1)	4.30	-683.0	0.31 (1)	
H-I	-2781.0	-91.8	-91.8	0.40 (1)	3.88	-0.279	0.06 (1)	
I-J	-2781.0	-91.8	-91.8	0.40 (1)	3.88	-110.37	0.04 (1)	
J-K	0.20	-91.8	-91.8	0.32 (1)	10.00	-3042.0	0.81 (1)	
K-L	0.28	-91.8	-91.8	0.12 (1)	10.00	-3043.0	0.81 (1)	
T-B	-325.0	0.0	0.0	0.03 (1)	7.81			
M-K	-325.0	0.0	0.0	0.03 (1)	7.81			
T-S	0.2538	-18.5	-18.5	0.56 (1)	10.00			
S-R	0.2362	-18.5	-18.5	0.53 (1)	10.00			
R-Q	0.2362	-18.5	-18.5	0.53 (1)	10.00			
Q-P	0.1924	-18.5	-18.5	0.40 (1)	10.00			
P-O	0.2362	-18.5	-18.5	0.53 (1)	10.00			
O-N	0.2362	-18.5	-18.5	0.53 (1)	10.00			
N-M	0.2538	-18.5	-18.5	0.56 (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. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00112

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 21.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.17")
 CALCULATED VERT. DEFL.(LL) = L/989 (0.14")
 ALLOWABLE DEFL.(TL) = L/360 (1.17")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.29")

CSI: TC=0.40/1.00 (H-J:1), BC=0.58/1.00 (M-N:1),
 WB=0.81/1.00 (J-M:1), SS=0.20/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

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

MAX MIN MAX MIN MAX MIN

MT20 618 354 1687 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



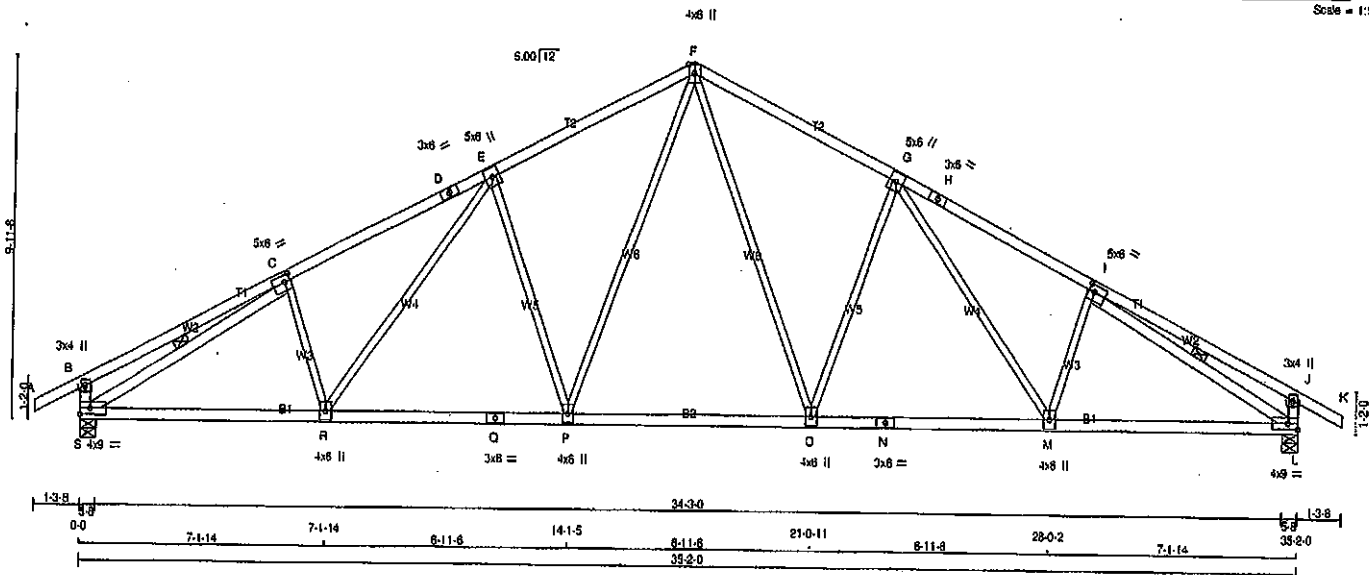
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408268	T36	5	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TslFoe31v6l_zns1l-zRQe4BrjmxPtyH0eb57R1CPqM5MzsOcuqaHozMEVW

1-3-8 00 1-3-8 8-0-0 6-0-0 5-9-8 11-9-8 5-9-8 17-7-0 23-4-8 5-9-8 29-2-0 35-2-0 38-5-0 1-3-8 Scale = 1:50.2



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	
Q - N	2x4	DRY	No.2	SPF	
N - L	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					
S - C	2x4	DRY	No.2	SPF	
I - L	2x4	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

PLATES (table/s in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVap	MT20	3.0	4.0		
C	TMVWt	MT20	5.0	6.0	2.25	2.00
D	TS-t	MT20	3.0	6.0		
E	TMVWt	MT20	5.0	6.0		
F	TTWWap	MT20	4.0	6.0	Edge	
G	TMVWt	MT20	5.0	6.0		
H	TS-t	MT20	3.0	6.0		
I	TMVWt	MT20	5.0	6.0	2.25	2.00
J	TMVap	MT20	3.0	4.0		
L	BMVWt	MT20	4.0	9.0	Edge	
M, O, P, R						
N	BMVWt	MT20	4.0	6.0		
N	BS-t	MT20	3.0	6.0		
Q	BS-t	MT20	3.0	6.0		
S	BMVWt	MT20	4.0	9.0	Edge	

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

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

BEARINGS

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

UNFACTORED REACTIONS

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

MEMB.	CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
		FORCE (LBS)	VERT. LOAD (PLF)		FORCE (LBS)
FR-TO					
A-B	0.28	-81.8	-81.8	0.12 (1)	10.00
B-C	0.22	-81.8	-81.8	0.40 (1)	10.00
C-D	-2808.0	-81.8	-81.8	0.49 (1)	3.75
D-E	-2808.0	-81.8	-81.8	0.49 (1)	3.75
E-F	-2322.0	-81.8	-81.8	0.46 (1)	4.07
F-G	-2322.0	-81.8	-81.8	0.46 (1)	4.07
G-H	-2808.0	-81.8	-81.8	0.46 (1)	3.75
H-I	-2808.0	-81.8	-81.8	0.46 (1)	3.75
I-J	0.22	-81.8	-81.8	0.40 (1)	10.00
J-K	0.28	-81.8	-81.8	0.12 (1)	10.00
S-B	-344.0	0.0	0.0	0.03 (1)	7.81
L-J	-344.0	0.0	0.0	0.03 (1)	7.81
S-R	0.2574	-18.5	-18.5	0.53 (1)	10.00
R-Q	0.2291	-18.5	-18.5	0.47 (1)	10.00
Q-P	0.2291	-18.5	-18.5	0.47 (1)	10.00
P-O	0.1782	-18.5	-18.5	0.38 (1)	10.00
O-N	0.2291	-18.5	-18.5	0.47 (1)	10.00
N-M	0.2291	-18.5	-18.5	0.47 (1)	10.00
M-L	0.2574	-18.5	-18.5	0.53 (1)	10.00

TOTAL WEIGHT = 5 X 152 = 758 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. GIG

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

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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = L/999 (0.14")
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 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

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



Structural component only
DWG# T-2007720