

CITY OF HAMILTON
Building Division

Permit No. **121-105988**

55-04-00

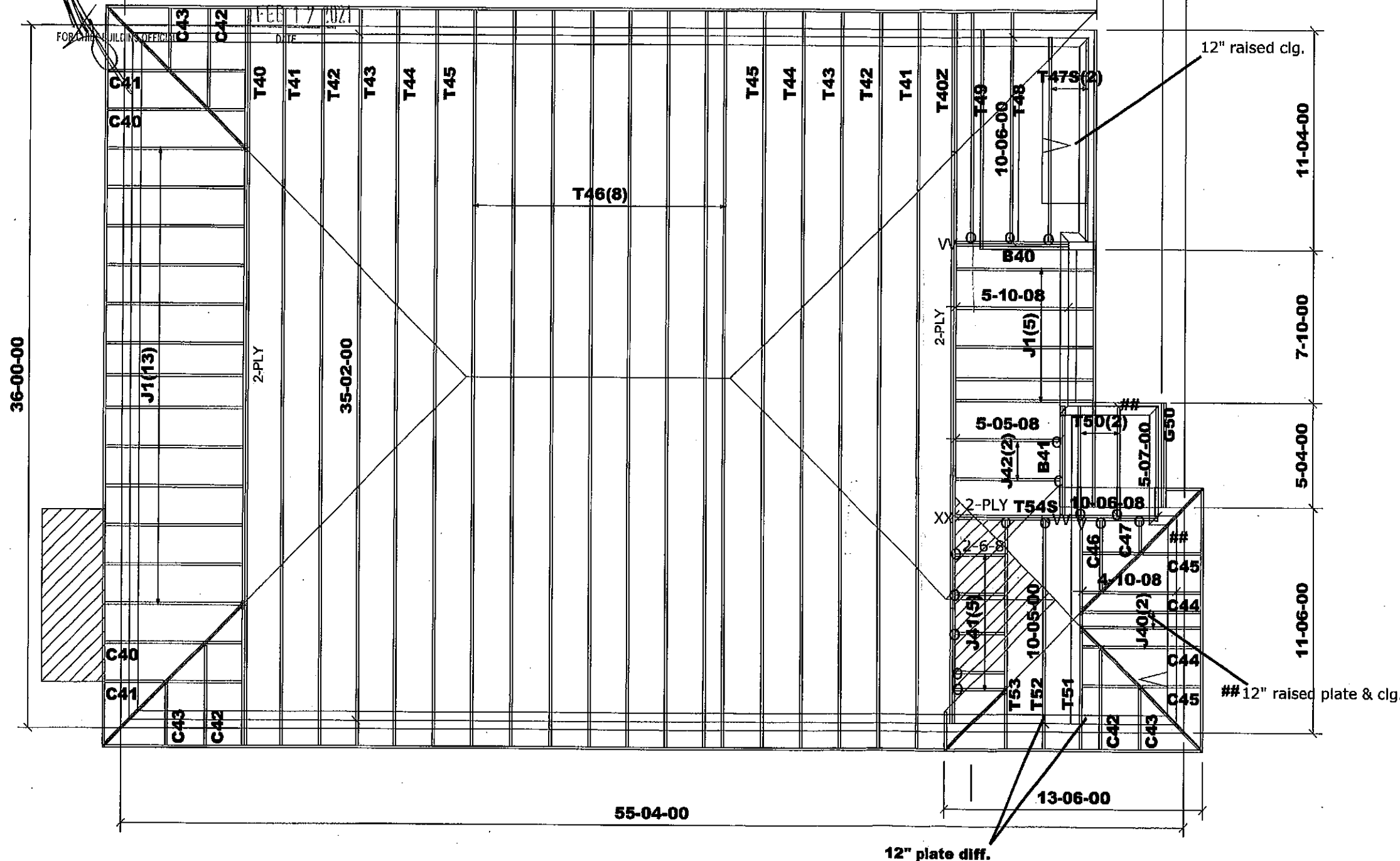
6/12 roof pitch unless noted

THESE STAMPED DRAWINGS SHALL BE AVAILABLE ON SITE

50-08-00

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

These drawings and/or specifications have been reviewed by



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

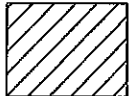
All conventional framing to conform with
Part 9 of O.B.C. 2012 (2019 amendment).
Roof rafters that cross over or meet trusses
to be min. 2x4 SPF #2 @ 24" o/c with a
vertical post to the truss at each cross
point. Vertical posts longer than 6' to have
lateral bracing so that the distance between
the post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

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

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

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

BEAMS:
B40= B41 =
2 - 2x10 SPF #2

 DENOTES:
CONVENTIONAL
FRAMING

M13138



Job Track: **51225**
Plan Log: **202419**
Layout ID: **408224**

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

Model / Elevation:
MOUNTAINASH 6/3- STD OR OPT.5 BR

Lot **204**

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

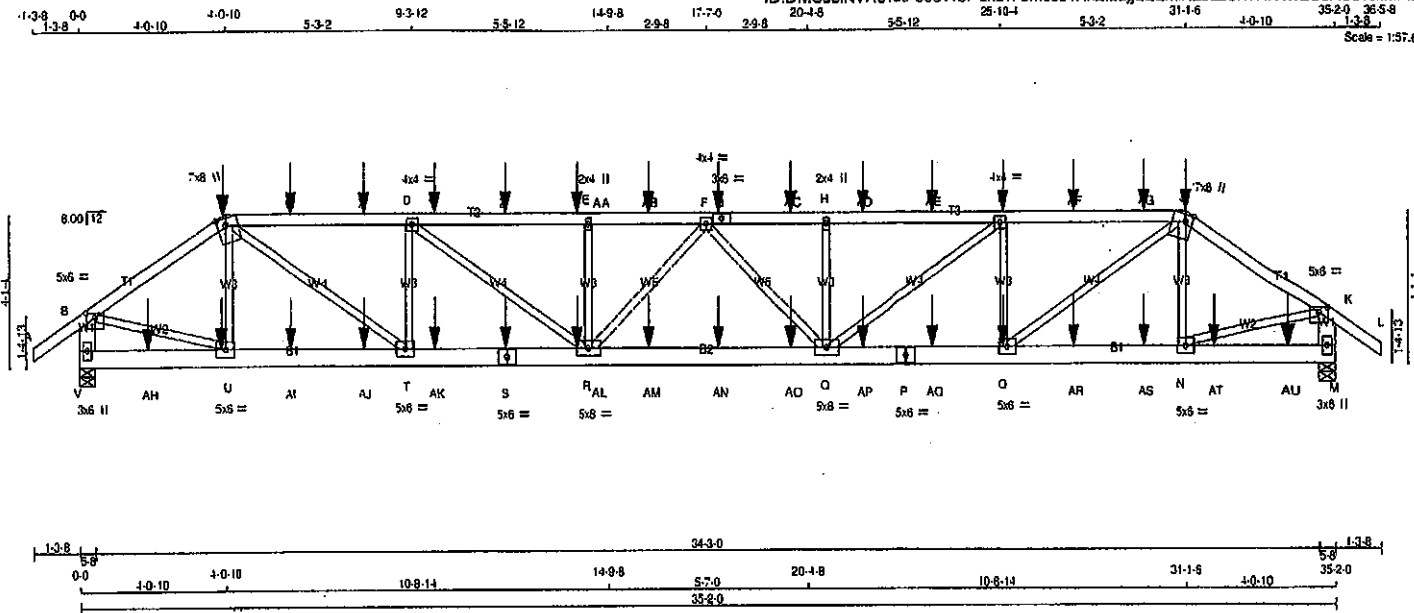
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
498222	T1	1	2	GREEN PARK HOMES	
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
498222	T1	1	2	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6t1uFoe31v6l zns1l-Jm9J91AhZi2g2EEemINZsEz3HTHi?mEdCAUuvczMFI

Scale = 1:57.6



TOTAL WEIGHT = 2 X 161 = 322 LB

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

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122'X3') SPIRAL NAILS		
A - C	12	SIDE (61.0)
C - G	12	SIDE (61.0)
G - J	12	SIDE (61.0)
J - L	12	SIDE (61.0)
V - B	12	TOP
M - K	12	TOP
BOTTOM CHORDS : (0.122'X3') SPIRAL NAILS		
V - S	12	SIDE (183.1)
S - P	12	SIDE (183.1)
P - M	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	HORZ	DOWN	UPLIFT
V	3393	0	3393	0
M	3342	0	3342	0

UNFACTORED REACTIONS	1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
V	2397	1585
M	2363	1555

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED MEMB. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	WEBS	MAX. FACTORED MEMB. FORCE (LBS)
FR-TO				FR-TO	
A-B	0	35	10.00	U-C	0
B-C	-4024	0	4.58	C-T	0
C-W	-8074	0	3.51	T-D	0
W-X	-6074	0	3.51	D-I	0
X-D	-6074	0	3.51	I-J	0
D-Y	-7423	0	3.11	J-K	0
Y-Z	-7423	0	3.11	K-L	0
Z-AA	-7423	0	3.11	L-M	0
AA-E	-7423	0	3.11	E-F	0
E-AB	-7423	0	3.38	AB-F	0
AB-F	-7423	0	3.38	F-G	0
F-G	-7410	0	3.38	GA-C	0
GA-C	-7410	0	3.38	AC-H	0
AC-H	-7410	0	3.38	H-AD	0
H-AD	-7410	0	3.14	AD-AE	0
AD-AE	-7410	0	3.14	AE-I	0
AE-I	-7410	0	3.55	I-AF	0
AF-AG	-6040	0	3.55	AG-J	0
AG-J	-6040	0	3.55	J-K	0
J-K	-3948	0	4.58	K-L	0
K-L	0	35	10.00	V-B	0
V-B	-3355	0	7.60	M-K	0
M-K	-3298	0	7.64		

V-AH	0	0	-18.5	-18.5	0.04	10.00
AH-U	0	0	-18.5	-18.5	0.04	10.00
U-AI	0	3325	-18.5	-18.5	0.25	10.00
AI-AJ	0	3325	-18.5	-18.5	0.25	10.00
AJ-T	0	3325	-18.5	-18.5	0.25	10.00
T-AK	0	6074	-18.5	-18.5	0.45	10.00
AK-S	0	6074	-18.5	-18.5	0.45	10.00
S-AL	0	6074	-18.5	-18.5	0.45	10.00
AL-R	0	6074	-18.5	-18.5	0.45	10.00
R-AM	0	7613	-18.5	-18.5	0.57	10.00
AM-AN	0	7613	-18.5	-18.5	0.57	10.00
AN-AO	0	7613	-18.5	-18.5	0.57	10.00
AO-D	0	6040	-18.5	-18.5	0.45	10.00
D-AP	0	6040	-18.5	-18.5	0.45	10.00
AP-P	0	6040	-18.5	-18.5	0.45	10.00
P-AQ	0	6040	-18.5	-18.5	0.45	10.00
AQ-O	0	6040	-18.5	-18.5	0.45	10.00
O-AR	0	3261	-18.5	-18.5	0.25	10.00

DESIGN CRITERIA

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

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

SPACING = 24.0 IN. C/C

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

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

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

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

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

ALLOWABLE DEFL. (LL) = L/360 (1.17')
CALCULATED VERT. DEFL. (LL) = L/999 (0.23')
ALLOWABLE DEFL. (TL) = L/360 (1.17')
CALCULATED VERT. DEFL. (TL) = L/970 (0.44')

CSK: TC=0.63/1.00 (D-E:1), BC=0.57/1.00 (Q-R:1),
WB=0.43/1.00 (B-U:1), SSI=0.19/1.00 (Q-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.86 (I) INPUT = 0.90 ;
JSI METAL = 0.56 (I) INPUT = 1.00 ;

CONTINUED ON PAGE 2



Structural component only
DWG# T-2007602 1/2

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

Tamarack Roof Truss, Burlington

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ID:DMCub\NVR6Ts\Foe31v6\znst1-Jm9J91AhZi22n2EEmlNZsEz3HTH-i?mEdCAUuvvzMFII

PLATES (table is in inches)

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CSI (LC)
FR-TO		FROM	TO	FR-TO		FROM	TO
AR-AS	0 3281	-18.5	-18.5 0.25 (1)	10.00			
AS-N	0 3281	-18.5	-18.5 0.25 (1)	10.00			
N-AT	0 0	-18.5	-18.5 0.04 (4)	10.00			
AT-AU	0 0	-18.5	-18.5 0.04 (4)	10.00			
AU-M	0 0	-18.5	-18.5 0.04 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DJR.	TYPE	HEEL	CONN.
C	4-0-10	-49	-55	---	FRONT	VERT	DEAD	---	C1
C	4-0-10	-117	-117	---	FRONT	VERT	TOTAL	---	C1
C	4-0-10	-254	-254	---	FRONT	VERT	SNOW	---	C1
G	17-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
I	25-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
J	31-1-6	-49	-55	---	FRONT	VERT	DEAD	---	C1
J	31-1-6	-254	-254	---	FRONT	VERT	SNOW	---	C1
O	25-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
S	11-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
U	3-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
W	5-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
X	7-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Y	9-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Z	11-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AA	13-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AB	15-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AC	19-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AD	21-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AE	23-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AF	27-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AG	29-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AH	1-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AI	5-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AJ	7-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AK	9-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AL	13-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AM	15-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AN	17-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AO	19-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AP	21-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AQ	23-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AR	27-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AS	29-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AT	31-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1
AU	33-11-4	-28	-28	---	FRONT	VERT	TOTAL	---	C1

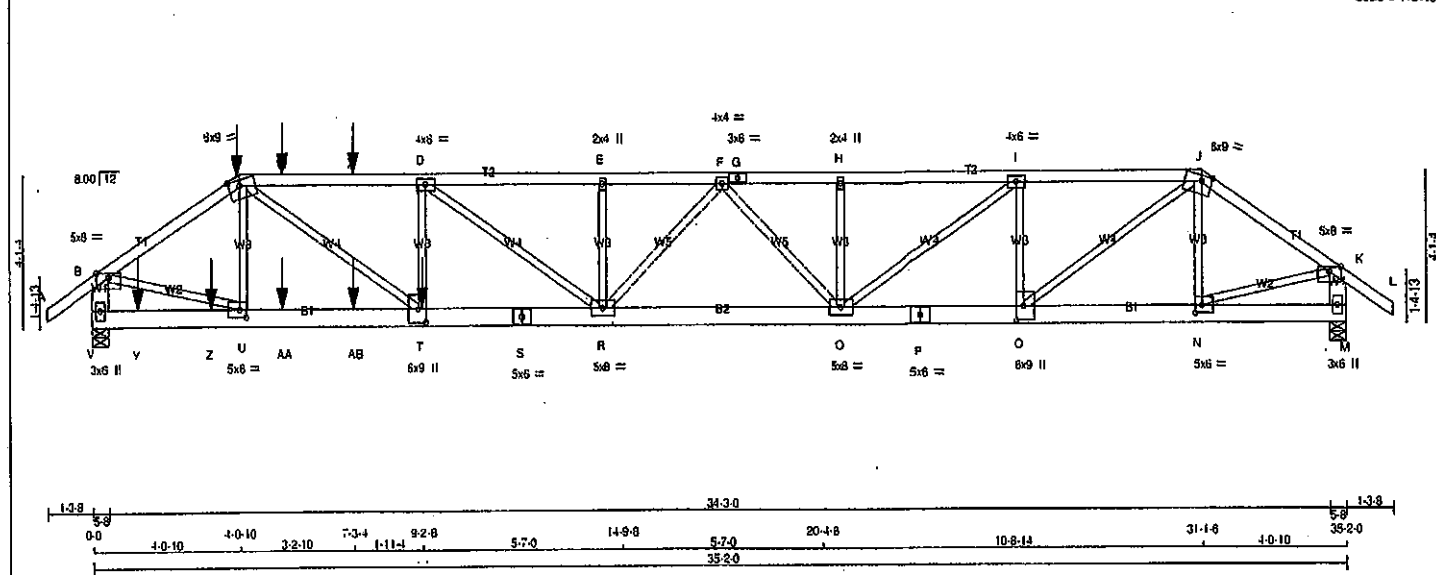
CONNECTION REQUIREMENTS

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



Structural component only
DWG# T-2007602 7/2

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ID:DMCubINVR6TstFoe31v8l zns1l-nyihMNBKCaAvHCpOKTUoORWdascnApnRqDRR2zMFie
Tamarack Roof Truss, Burlington
1-3-8 0-0 4-0-10 53-4 73-4 93-12 14-9-8 29-8 17-7-0 29-8 20-4-8 25-10-4 53-2 31-1-6 4-0-10 35-2-0 38-5-8
1-3-8 4-0-10 1-2-10 2-9-0 2-9-0 5-5-12 29-8 29-8 3-5-12 25-10-4 53-2 31-1-6 4-0-10 1-3-8
Scale = 1:57.18



TOTAL WEIGHT = 2 X 161 = 323 lb

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

DRY: SEASONED LUMBER.

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

CHOROS #	ROWS	SURFACE SPACING (in)	LOAD(PLF)
TOP CHOROS : (0.122"x3") SPIRAL NAILS			
A - C	1	12	SIDE(61.0)
C - G	1	12	SIDE(61.0)
G - J	1	12	TOP
J - L	1	12	TOP
V - B	2	12	TOP
M - K	2	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS			
V - S	2	12	SIDE(183.0)
S - P	2	12	TOP
P - M	2	12	TOP
WEBS : (0.122"x3") SPIRAL NAILS			
2-3	1	6	
D - T	1	4	SIDE(365.0)
E - O	1	4	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	RECORD BRG
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
V	4215	0	4215	0	0	5-8	5-8
M	2722	0	2722	0	0	5-8	5-8

UNFACTORED REACTIONS

1ST CASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SC
V	2974	1987.0	0.0	0.0	0.0	987.0	0
M	1921	1283.0	0.0	0.0	0.0	638.0	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.00 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

LOADING
TOTAL LOAD CASES: (4)

CHORDS				FACTORED				WEBS			
MAX. FACTORED		FORCE (LBS)	VERT.	LOAD	LG1	MAX CSI (LC)	MAX. UNBRAC	MAX. FACTORED		MAX CSI (LC)	
MEMB.	FR-TO							MEMB.	FORCE (LBS)		
FR-TO	FROM	TO	LENGTH	FR-TO	FROM	TO	LENGTH	FR-TO	FROM	TO	
A-B	0	35	-81.8	-81.8	0.07 (1)	10.00		U-C	-783	0	0.10 (1)
B-C	-5115	0	-81.8	-81.8	0.28 (1)	4.07		C-T	0	4817	0.06 (1)
C-W	-8135	0	-81.8	-81.8	0.64 (1)	3.00		T-D	622	0	0.08 (1)
W-X	-8135	0	-81.8	-81.8	0.84 (1)	3.00		O-I	-1797	0	0.23 (1)
X-D	-8135	0	-81.8	-81.8	0.64 (1)	3.00		O-J	0	3211	0.40 (1)
D-E	-8106	0	-81.8	-81.8	0.59 (1)	3.05		N-U	-512	0	0.06 (1)
E-F	-8106	0	-81.8	-81.8	0.32 (1)	3.28		B-J	0	4370	0.54 (1)
F-G	-6926	0	-81.8	-81.8	0.26 (1)	3.57		N-K	0	2693	0.33 (1)
G-H	-6926	0	-81.8	-81.8	0.26 (1)	3.57		O-I	0	2133	0.26 (1)
H-I	-6926	0	-81.8	-81.8	0.45 (1)	3.42		D-R	-37	24	0.01 (1)
I-J	-5210	0	-81.8	-81.8	0.34 (1)	3.99		O-H	-365	0	0.05 (1)
J-K	-3153	0	-81.8	-81.8	0.19 (1)	5.04		R-E	-343	0	0.04 (1)
K-L	0	35	-81.8	-81.8	0.07 (1)	10.00		R-F	0	892	0.09 (1)
V-B	-4180	0	0.0	0.0	0.15 (1)	6.89		F-Q	-1081	0	0.23 (1)
#-K	-2696	0	0.0	0.0	0.10 (1)	7.81					
V-Y	0	0	-18.5	-18.5	0.05 (4)	10.00					
Y-Z	0	0	-18.5	-18.5	0.05 (4)	10.00					
Z-U	0	0	-18.5	-18.5	0.05 (4)	10.00					
U-AA	0	4227	-18.5	-18.5	0.35 (1)	10.00					
AA-AB	0	4227	-18.5	-18.5	0.35 (1)	10.00					
AB-T	0	4227	-18.5	-18.5	0.35 (1)	10.00					
T-S	0	8135	-18.5	-18.5	0.81 (1)	10.00					
S-R	0	8135	-18.5	-18.5	0.81 (1)	10.00					
R-Q	0	7645	-18.5	-18.5	0.66 (1)	10.00					
Q-P	0	5210	-18.5	-18.5	0.38 (1)	10.00					
P-O	0	5210	-18.5	-18.5	0.38 (1)	10.00					
O-N	0	2604	-18.5	-18.5	0.19 (1)	10.00					
N-M	0	0	-18.5	-18.5	0.03 (4)	10.00					

FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	4-0-10	-49	55	---	FRONT	VERT	DEAD	---	C1
J	4-0-10	-254	-254	---	FRONT	VERT	SNOW	---	C1
T	9-2-8	-2179	-2179	---	BACK	VERT	TOTAL	---	C1
W	5-3-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
X	7-3-3	-110	-110	---	BACK	VERT	TOTAL	---	C1
Y	1-3-4	-28	-28	---	BACK	VERT	TOTAL	---	C1
Z	3-3-4	-28	-28	---	BACK	VERT	TOTAL	---	C1
AA	5-3-8	-28	-28	---	BACK	VERT	TOTAL	---	C1
AB	7-3-4	-26	-28	---	BACK	VERT	TOTAL	---	C1

DESIGN CRITERIA

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

SPECIFIED LOADS:

TOP CH.	LL =	25.6	PSF
	DL =	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.
NBCC 2010, NBCC 2015

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) = L 380 (1.17")
CALCULATED VERT. DEFL.(LL) = L 998 (0.24")
ALLOWABLE DEFL.(TL) = L 380 (1.17")
CALCULATED VERT. DEFL.(TL) = L 954 (0.44")

CSI: TC=0.64/1.00 (C-D:1), BC=0.61/1.00 (R-T:1),
WB=0.60/1.00 (C-T:1), SS=0.17/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE	GRIP (DRY)		SHEAR		SECTION	
	(PSI)		(PLI)		(PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	818	354	1867	788	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.87 (J) INPUT = 0.90)
JSI METAL = 0.77 (P) INPUT = 1.00)



Structural component only
DWG# T-2007603 *1/12*

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

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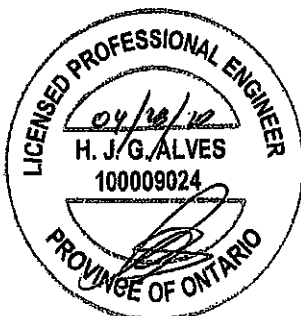
PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWV-p	MT20	5.0	8.0	Edge	
C	TTWW-m	MT20	8.0	9.0	1.75	3.50
D	TMWW-t	MT20	4.0	6.0		
E	TMW-w	MT20	2.0	4.0		
F	TMWW-t	MT20	4.0	4.0		
G	TS-t	MT20	3.0	6.0		
H	TMW-w	MT20	2.0	4.0		
I	TMWW-t	MT20	4.0	8.0		
J	TTWW-m	MT20	6.0	9.0	1.75	3.50
K	TMWV-p	MT20	5.0	8.0	Edge	
M	BMVt-p	MT20	3.0	6.0		
N	BMWW-t	MT20	5.0	6.0	2.50	2.25
O	BMWW-t	MT20	6.0	9.0	4.50	2.50
P	BS-t	MT20	5.0	6.0		
Q	BMWW-t	MT20	5.0	8.0		
R	BMWW-t	MT20	5.0	8.0		
S	BS-t	MT20	5.0	6.0		
T	BMWW-t	MT20	8.0	9.0	4.50	2.50
U	BMWW-t	MT20	5.0	6.0	2.50	2.25
V	BMVt-p	MT20	3.0	6.0		

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

CONNECTION REQUIREMENTS

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



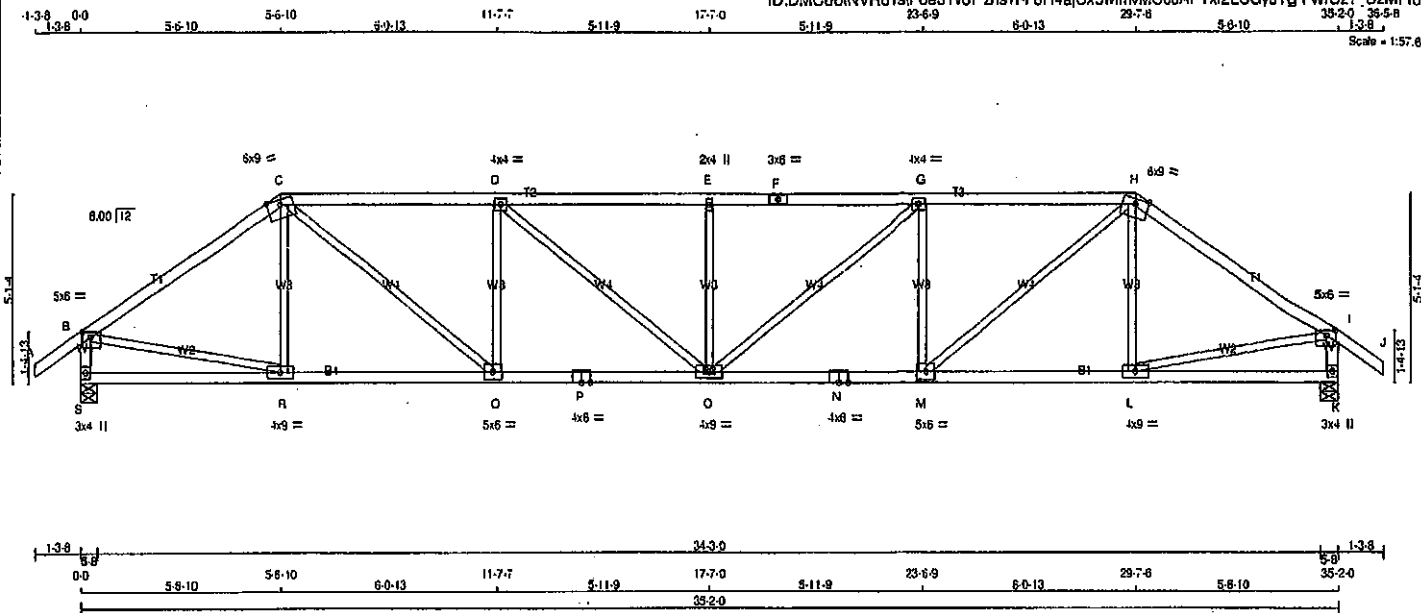
Structural component only
DWG# T-2007603 7/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408222	T2	2	1	TRUSS DESC.		

Famerack Roof Truss, Burlington

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ID:DMCubINVR6TsFoe31v6I zns11-F8H4a[Cx5wlmvMOcuAP1x2LCGy5TgYwUz? UzMFId



TOTAL WEIGHT = 2 X 140 = 280 lb

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

DRY: SEASONED LUMBER.

PLATES (table in inches)

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

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS REACTION	GROSS REACTION	DOWN	HORIZ	BRG	BRG	IN-SX	IN-SX
S	2085	0	2085	0	0	5-8	5-8		
K	2085	0	2085	0	0	5-8	5-8		

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	1453	970	0	0	0	488	0
K	1458	970	0	0	0	488	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED CS (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS (LBS)	
FR-TO		FROM TO		FR-TO			
A-B	0 35	-91.8 -91.8 0.12 (1)	10.00	R-C	-243 10	0.09 (1)	
B-C	-2298 0	-91.8 -91.8 0.70 (1)	3.78	C-Q	0 1670	0.38 (1)	
C-D	-3213 0	-91.8 -91.8 0.80 (1)	3.19	Q-D	-929 0	0.38 (1)	
D-E	-3594 0	-91.8 -91.8 0.88 (1)	2.97	D-O	0 490	0.11 (1)	
E-F	-3694 0	-91.8 -91.8 0.88 (1)	2.97	O-E	-505 0	0.19 (1)	
F-G	-3594 0	-91.8 -91.8 0.88 (1)	2.97	O-G	0 490	0.11 (1)	
G-H	-3213 0	-91.8 -91.8 0.80 (1)	3.19	M-G	-929 0	0.38 (1)	
H-I	-2298 0	-91.8 -91.8 0.70 (1)	3.78	M-H	0 1670	0.38 (1)	
I-J	0 35	-91.8 -91.8 0.12 (1)	10.00	L-H	-243 10	0.09 (1)	
S-B	-2023 0	0.0 0.0 0.21 (1)	5.94	B-R	0 1943	0.44 (1)	
K-I	-2023 0	0.0 0.0 0.21 (1)	5.94	L-I	0 1943	0.44 (1)	
S-R	0 0	-18.5 -18.5 0.15 (4)	10.00				
R-Q	0 1903	-18.5 -18.5 0.39 (1)	10.00				
Q-P	0 3213	-18.5 -18.5 0.58 (1)	10.00				
P-O	0 3213	-18.5 -18.5 0.58 (1)	10.00				
O-N	0 3213	-18.5 -18.5 0.58 (1)	10.00				
N-M	0 3213	-18.5 -18.5 0.58 (1)	10.00				
M-L	0 1903	-18.5 -18.5 0.39 (1)	10.00				
L-K	0 0	-18.5 -18.5 0.15 (4)	10.00				

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. CC

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

155 % OF 31.3 P.S.F. G.S.L. PLUS 6.4 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")

CSI: TC=0.88/1.00 (D-E:1), BC=0.58/1.00 (M-O:1), WB=0.44/1.00 (I-L:1), SB=0.28/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (I) (INPUT = 0.90)
JSI METAL= 0.74 (I) (INPUT = 1.00)



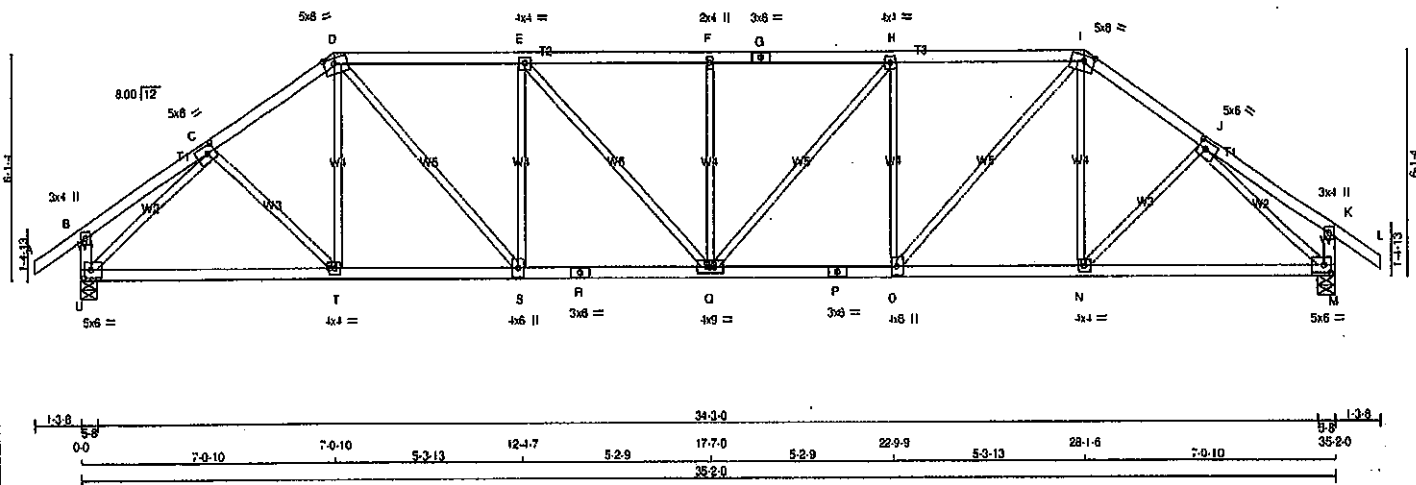
Structural component only
DWG# T-2007604

JOB NAME 408222	TRUSS NAME T3	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v8l_zns11-F8H4ajCx5wlmwMOcuAP1xt2QrG_VTXHwUz? UzMFId

1-3.8 0.0 3-7.9 3-7.9 3-5.1 7-0-10 5-3-13 12-4-7 5-2-9 17-7-0 5-2-9 22-9-9 5-3-13 28-1-6 7-5-1 31-6-7 35-2-0 36-5-8 1-3-8
Scale = 1:57.6



TOTAL WEIGHT = 2 X 151 = 303 lb (M)

LUMBER				
N. L. G. A. RULES				
CHORDS	SIZE	LUMBER	DESCR.	
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
G - I	2x4	DRY	No.2	SPF
I - L	2x4	DRY	No.2	SPF
U - B	2x4	DRY	No.2	SPF
M - K	2x4	DRY	No.2	SPF
U - R	2x4	DRY	No.2	SPF
R - P	2x4	DRY	No.2	SPF
P - M	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				
DRY: SEASONED LUMBER.				

PLATES (tablets in inches)				
JT	TYPE	PLATES	W	LEN Y X
B	TMV+p	MT20	3.0	4.0
C	TMWW-i	MT20	5.0	8.0 2.50 2.50
D	TTWW-m	MT20	5.0	8.0 1.75 3.50
E	TMWW-i	MT20	4.0	4.0
F	TMW+w	MT20	2.0	4.0
G	TS-i	MT20	3.0	6.0
H	TMWW-i	MT20	4.0	4.0
J	TTWW-m	MT20	5.0	8.0 1.75 3.50
K	TMV+p	MT20	5.0	6.0 2.50 2.50
M	BMWW-i	MT20	4.0	4.0
N	BMWW-i	MT20	4.0	4.0
O	BMWW-i	MT20	4.0	6.0
P	BS-i	MT20	3.0	6.0
Q	BMWWW-i	MT20	4.0	9.0
R	BS-i	MT20	3.0	6.0
S	BMWW-i	MT20	4.0	6.0
T	BMWW-i	MT20	4.0	4.0
U	BMWW-i	MT20	5.0	6.0 2.50 2.25

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER							
BEARINGS							
	FACTORED	GROSS REACTION	MAXIMUM FACTORED	INPUT	RECORD		
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
U	2065	0	2065	0	0	5-8	5-8
M	2065	0	2065	0	0	5-8	5-8

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

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.53 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED	FORCE	VERT. LOAD LC1	MAX. FACTORED	MEMB.	MAX. FACTORED	FORCE
		(LBS)	(PLF)				(LBS)
FR-TO			FROM TO		FR-TO		
A-B	0	35	-91.8 -91.8 0.12 (1)	10.00	C-T	0	135
B-C	0	18	-91.8 -91.8 0.16 (1)	10.00	T-D	0	90
C-D	-2305	0	-91.8 -91.8 0.23 (1)	4.31	D-S	0	1218
D-E	-2723	0	-91.8 -91.8 0.54 (1)	3.69	S-E	-814	0
E-F	-2966	0	-91.8 -91.8 0.58 (1)	3.53	E-Q	0	363
F-G	-2966	0	-91.8 -91.8 0.58 (1)	3.53	Q-F	-440	0
G-H	-2966	0	-91.8 -91.8 0.58 (1)	3.53	H-Q	0	363
H-I	-2723	0	-91.8 -91.8 0.54 (1)	3.69	Q-H	-814	0
I-J	-2305	0	-91.8 -91.8 0.23 (1)	4.31	O-I	0	1218
J-K	0	18	-91.8 -91.8 0.16 (1)	10.00	N-I	0	90
K-L	0	35	-91.8 -91.8 0.12 (1)	10.00	N-J	0	135
U-B	-255	0	0.0 0.0 0.03 (1)	7.81	U-C	-2514	0
M-K	-255	0	0.0 0.0 0.03 (1)	7.81	J-M	-2514	0
U-T	0	1801	-18.5 -18.5 0.40 (1)	10.00			
T-S	0	1800	-18.5 -18.5 0.41 (1)	10.00			
S-R	0	2723	-18.5 -18.5 0.49 (1)	10.00			
R-Q	0	2723	-18.5 -18.5 0.49 (1)	10.00			
Q-P	0	2723	-18.5 -18.5 0.49 (1)	10.00			
P-O	0	2723	-18.5 -18.5 0.49 (1)	10.00			
O-N	0	1800	-18.5 -18.5 0.41 (1)	10.00			
N-M	0	1801	-18.5 -18.5 0.40 (1)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. CG

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF 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 26.6 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.56/1.00 (E-F:1), BC=0.49/1.00 (D-Q:1), WB=0.97/1.00 (J-M:1), SSI=0.23/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1867 789 1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2007605

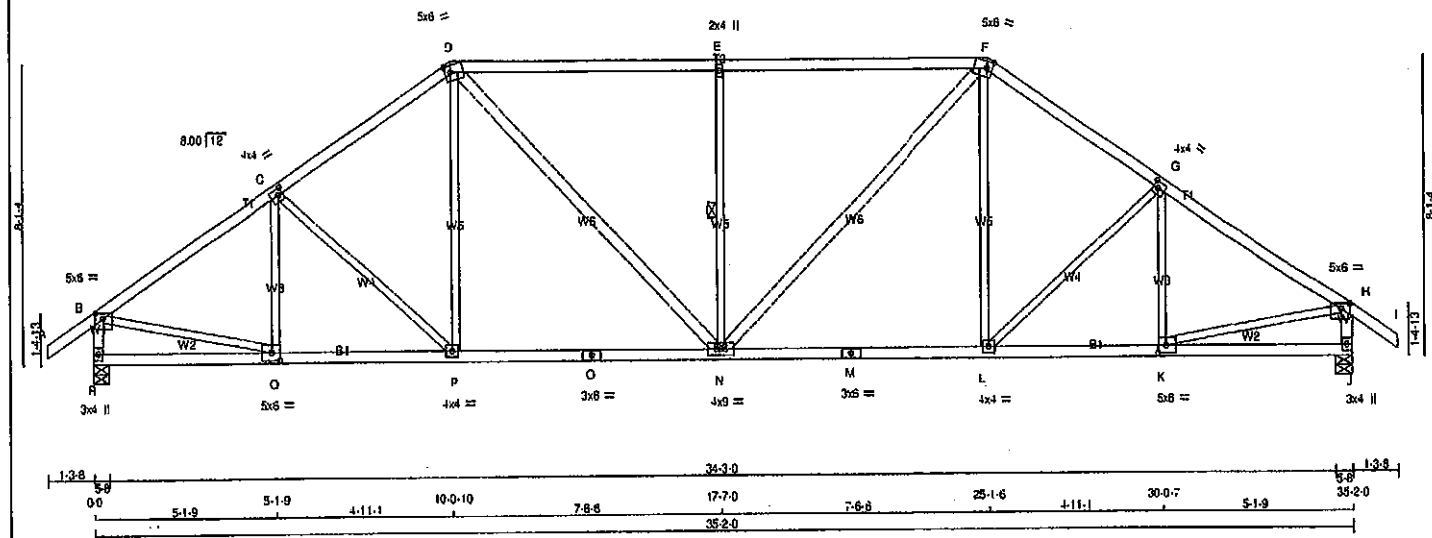
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408222	T5	2	1	GREEN PARK HOMES	
				TRUSS DESC.	

Tamarack Roof Truss, Burlington

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ID:DMCubiNVR6TstFoe31v8l zns1l-BXPq ODBdXYU8fY7bRV048IM4gExZrD7oS52NzMF8

-1-3-8 0-0 5-1-9 5-1-9 4-11-1 10-0-10 7-8-6 17-7-0 7-8-6 25-1-6 30-0-7 35-2-0 35-2-0 1-3-8
1-3-8 5-1-9 5-1-9 4-11-1 10-0-10 7-8-6 17-7-0 7-8-6 25-1-6 4-11-1 30-0-7 5-1-9 5-1-9 1-3-8
Scale = 1:57.6



TOTAL WEIGHT = 2 X 158 = 317 lb

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

DRY: SEASONED LUMBER.

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	VERY	HORZ	DOWN	UPLIFT
R	2065	0	0	5-8
J	2065	0	0	5-8

UNFACTORED REACTIONS

1ST LOASE MAX./MIN. COMPONENT REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	1458	970	0	0	0	488	0
J	1458	970	0	0	0	488	0

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

BRACING

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

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS						
MEMB.	MAX. FACTORED	FORCE	VERT. LOAD	MAX. FACTORED	MEMB.	MAX. FACTORED	FORCE			
	(LBS)		(PLF)	(LBS)		(LBS)				
FR-TO			FROM 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	-2317	0	-91.8	-91.8	0.38 (1)	4.18	C-P	-218	0	0.18 (1)
C-D	-2185	0	-91.8	-91.8	0.37 (1)	4.28	P-D	0	268	0.06 (1)
D-E	-2274	0	-91.8	-91.8	0.81 (1)	3.47	D-N	0	691	0.11 (1)
E-F	-2274	0	-91.8	-91.8	0.81 (1)	3.47	N-E	-851	0	0.35 (1)
F-G	-2185	0	-91.8	-91.8	0.37 (1)	4.28	N-F	0	691	0.11 (1)
G-H	-2317	0	-91.8	-91.8	0.38 (1)	4.18	L-F	0	268	0.06 (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	1995	0.45 (1)
							K-H	0	1995	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	1784	-18.5	-18.5	0.41 (1)	10.00				
N-M	0	1784	-18.5	-18.5	0.41 (1)	10.00				
M-L	0	1784	-18.5	-18.5	0.41 (1)	10.00				
L-K	0	1953	-18.5	-18.5	0.40 (1)	10.00				
K-J	0	0	-18.5	-18.5	0.10 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF 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 6.4 P.S.F. RAIN LOAD) EQUALS 26.8 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.81-1.00 (E-F:1), BC=0.41-1.00 (L-N:1), WB=0.45-1.00 (H-K:1), SSI=0.34-1.00 (O-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

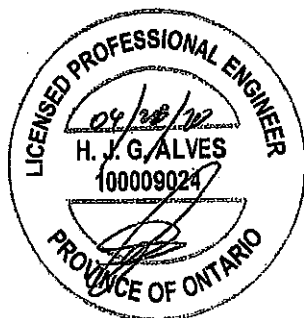
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1887 789 1987 1658

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (H) (INPUT = 0.90)
JSI METAL= 0.64 (H) (INPUT = 1.00)



Structural component only
DWG# T-2007607

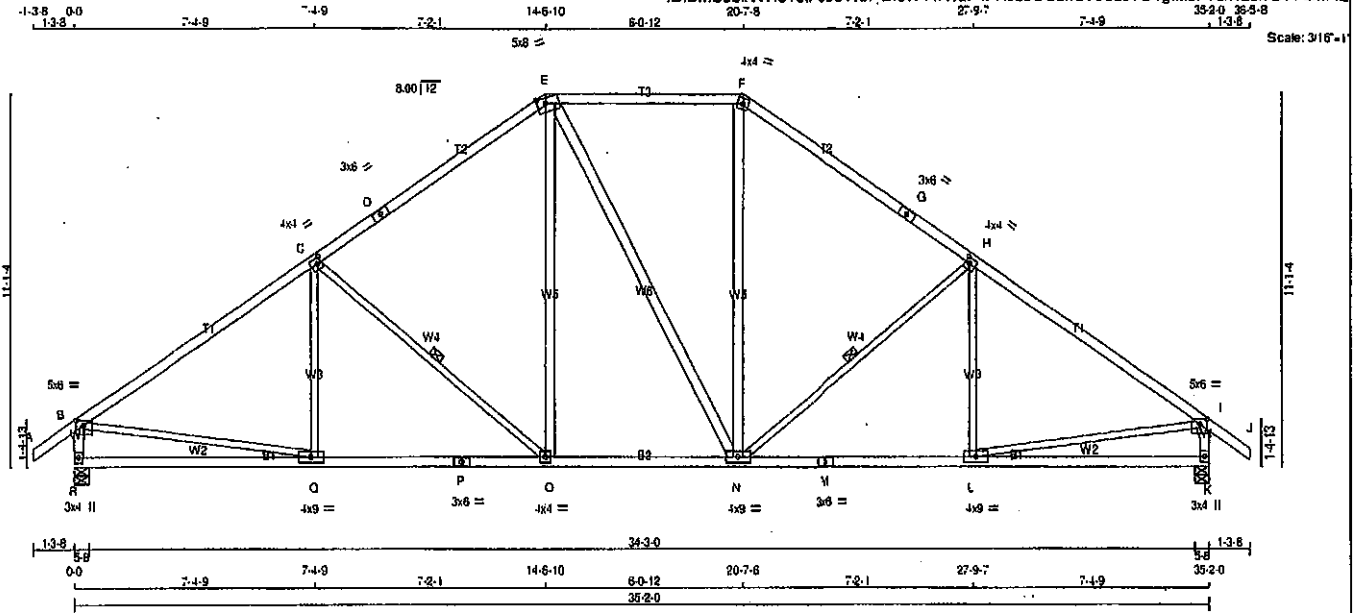
Structural component only
DWG# T-2007608

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
408222	T8	2	1	GREEN PARK HOMES		

Tamarack Roof Truss, Burlington

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ID:DMCubINVH6TsiFoe31v61, zns11-7wWaP4FR88aCOzhO70Uz5VD1gIM2PTGWa8xC7FzMF1Z



TOTAL WEIGHT = 2 X 166 = 333 lb [M/F]

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B TMVW-p	MT20	5.0	6.0	1.75	2.75	
D TMVW-t	MT20	4.0	4.0	2.00	1.50	
C TS-t	MT20	3.0	6.0			
E TTWV-m	MT20	5.0	6.0	2.00	3.00	
F TTW-m	MT20	4.0	4.0			
G TS-t	MT20	3.0	6.0			
H TMVW-t	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-t	MT20	4.0	9.0			
M BS-t	MT20	3.0	6.0			
N BMVWV-t	MT20	4.0	9.0			
O BMVW-t	MT20	4.0	4.0			
P BS-t	MT20	3.0	6.0			
Q BMVW-t	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	INPUT	RECORD
JT	VERT	DOWN	DOWN	UP	BRG
R	2085	0	2085	0	5-8
K	2085	0	2085	0	5-8
UNFACTORED REACTIONS	1ST CASE	MAX. MIN. COMPONENT REACTIONS			
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND
R	1458	970	0	0	0
K	1458	970	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	LOI	MAX	CS1 (LC)	UNBRAC	MEMB.	MAX. FACTORED	FORCE	MAX	CS1 (LC)
FR-TO												
A-B	0	35	-91.8	-91.8	0.12 (1)	10.00	0	0	-140	78	0.09 (1)	
B-C	-2357	0	-91.8	-91.8	0.89 (1)	3.45	0	0	-604	0	0.38 (1)	
C-D	-1888	0	-91.8	-91.8	0.78 (1)	3.91	0	0	499	0	0.08 (1)	
D-E	-1888	0	-91.8	-91.8	0.78 (1)	3.91	0	0	0	0	0.09 (1)	
E-F	-1538	0	-91.8	-91.8	0.47 (1)	4.74	0	0	500	0	0.08 (1)	
F-G	-1888	0	-91.8	-91.8	0.78 (1)	3.91	0	0	-604	0	0.38 (1)	
G-H	-1888	0	-91.8	-91.8	0.78 (1)	3.91	0	0	-140	75	0.09 (1)	
H-I	-2357	0	-91.8	-91.8	0.69 (1)	3.45	0	0	2020	0.45 (1)		
I-J	0	35	-91.8	-91.8	0.12 (1)	10.00	0	0	2019	0.45 (1)		
J-K	-2009	0	0.0	0.0	0.21 (1)	5.95						
K-L	-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	1998	-18.5	-18.5	0.45 (1)	10.00						
P-O	0	1998	-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	1998	-18.5	-18.5	0.45 (1)	10.00						
M-L	0	1998	-18.5	-18.5	0.45 (1)	10.00						
L-K	0	0	-18.5	-18.5	0.24 (4)	10.00						

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, 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 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) = L/999 (0.09")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/999 (0.20")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

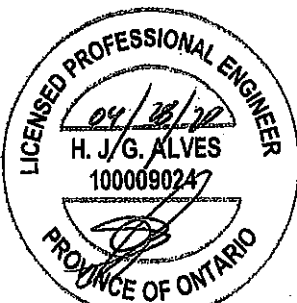
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1867 788 1867 1858

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.80 (F) INPUT = 0.90
JSI METAL = 0.68 (F) INPUT = 1.00



Structural component only
DWG# T-2007610

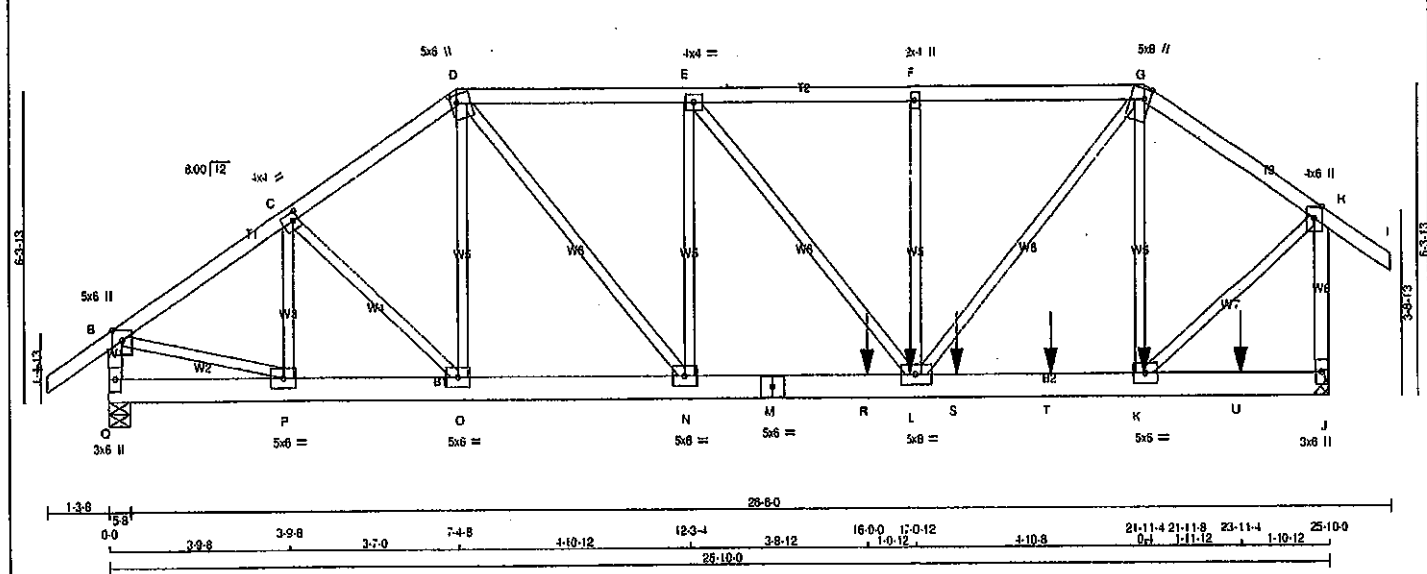
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408222	T9	1	2	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TsiFoe31v6l_zns1l-b64ydQG4wSx377Gah7?CeimKBHhB8zlpmgmftzMFiy

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



TOTAL WEIGHT = 2 X 136 = 271 LB

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

EXCEPT

DRY: SEASONED LUMBER.

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

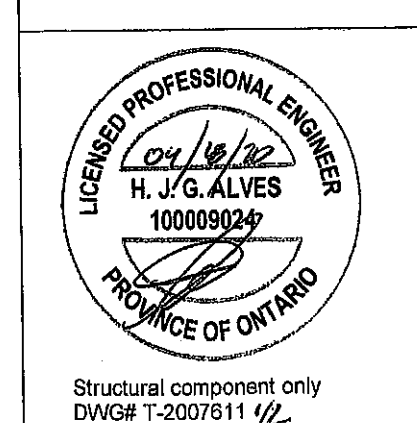
CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122'X3") SPIRAL NAILS		
A-D	12	TOP
D-G	12	TOP
G-I	12	TOP
Q-B	12	TOP
J-H	12	TOP
BOTTOM CHORDS : (0.122'X3") SPIRAL NAILS		
Q-M	12	TOP
M-J	12	SIDE (183.11)
WEBS : (0.122'X3") SPIRAL NAILS		
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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.



Structural component only

DWG# T-2007611 1/2

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	UPLIFT	IN-SX
Q	2236	0	2236	0
J	3067	0	3067	0

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

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED SNOW
Q	1575 1085.0
J	2157 1479.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.97 FT.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED	FACTORED	MAX. FACTORED	WEBS	MEMB.	MAX. FACTORED	FACTORED	MAX. FACTORED
		FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)			FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)
FR-TO					FR-TO				
A-B	0	35	-91.8	-91.8 0.07 (1)	10.00	P-C	-503	0	0.06 (1)
B-C	-2464	0	-91.8	-91.8 0.13 (1)	5.62	C-D	0	70	0.01 (1)
C-D	-2571	0	-91.8	-91.8 0.13 (1)	5.53	D-E	-2	80	0.01 (4)
D-E	-3030	0	-91.8	-91.8 0.20 (1)	5.11	E-F	0	1433	0.18 (1)
E-F	-3235	0	-91.8	-91.8 0.21 (1)	4.97	F-G	-736	0	0.22 (1)
F-G	-3235	0	-91.8	-91.8 0.20 (1)	4.99	G-H	0	327	0.04 (1)
G-H	-2123	0	-91.8	-91.8 0.15 (1)	5.91	H-I	-469	0	0.14 (1)
H-I	0	35	-91.8	-91.8 0.07 (1)	10.00	I-J	0	2339	0.29 (1)
I-J	-2188	0	0.0	0.0 0.12 (1)	7.53	J-K	-895	0	0.30 (1)
J-K	-2962	0	0.0	0.0 0.33 (1)	6.70	K-L	0	2137	0.26 (1)
K-L	0	0	-18.5	-18.5 0.02 (1)	10.00	L-M	0	2299	0.28 (1)
L-M	0	2067	-18.5	-18.5 0.16 (1)	10.00	M-N	0	2118	0.22 (1)
M-N	0	2118	-18.5	-18.5 0.22 (1)	10.00	N-O	0	3030	0.45 (1)
N-O	0	3030	-18.5	-18.5 0.45 (1)	10.00	O-P	0	3030	0.45 (1)
O-P	0	3030	-18.5	-18.5 0.45 (1)	10.00	P-Q	0	3030	0.45 (1)
P-Q	0	3030	-18.5	-18.5 0.45 (1)	10.00	Q-R	0	1748	0.27 (1)
Q-R	0	1748	-18.5	-18.5 0.27 (1)	10.00	R-S	0	1748	0.27 (1)
R-S	0	1748	-18.5	-18.5 0.27 (1)	10.00	S-T	0	1748	0.27 (1)
S-T	0	1748	-18.5	-18.5 0.27 (1)	10.00	T-U	0	1748	0.27 (1)
T-U	0	1748	-18.5	-18.5 0.27 (1)	10.00	U-V	0	1748	0.27 (1)
U-V	0	1748	-18.5	-18.5 0.27 (1)	10.00	V-W	0	1748	0.27 (1)
V-W	0	1748	-18.5	-18.5 0.27 (1)	10.00	W-X	0	1748	0.27 (1)
W-X	0	1748	-18.5	-18.5 0.27 (1)	10.00	X-Y	0	1748	0.27 (1)
X-Y	0	1748	-18.5	-18.5 0.27 (1)	10.00	Y-Z	0	1748	0.27 (1)
Y-Z	0	1748	-18.5	-18.5 0.27 (1)	10.00	Z-A	0	1748	0.27 (1)
Z-A	0	1748	-18.5	-18.5 0.27 (1)	10.00	A-B	0	1748	0.27 (1)

FACTORED CONCENTRATED LOADS (LBS)	JT	LOC.	LC1	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
K	21-11-4	-187	-187	---	FRONT	VERT	TOTAL	---	C1
L	16-11-4	-187	-187	---	FRONT	VERT	TOTAL	---	C1
R	16-0-0	-1259	-1259	---	FRONT	VERT	TOTAL	---	C1
S	17-11-4	-187	-187	---	FRONT	VERT	TOTAL	---	C1
T	19-11-4	-187	-187	---	FRONT	VERT	TOTAL	---	C1
U	23-11-4	-195	-195	---	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. OC

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2010, OBC 2012, ABC 2019

- PART 9 OF OBC 2012 (2019 AMENDMENT)

- CSA 086-09, CSA 086-14

- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.86")

CALCULATED VERT. DEFL.(LL) = L/999 (0.06")

ALLOWABLE DEFL.(TL) = L/360 (0.86")

CALCULATED VERT. DEFL.(TL) = L/999 (0.12")

CSI: TC=0.33/1.00 (H-J:1), BC=0.45/1.00 (L-N:1), WB=0.30/1.00 (G-K:1), SS=0.35/1.00 (L-N:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00

COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP (DRY) SHEAR SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

MT20 618 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.81 (H) INPUT = 0.90

JSI METAL = 0.53 (H) INPUT = 1.00

CONTINUED ON PAGE 2

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

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ID:DMCubINVR6TslF063iv6I zns1I-b64ydgQG4wSx377QahI?CelmKBHhB8ztbmqmlizMFIY

PLATES (tablets in inches)

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

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



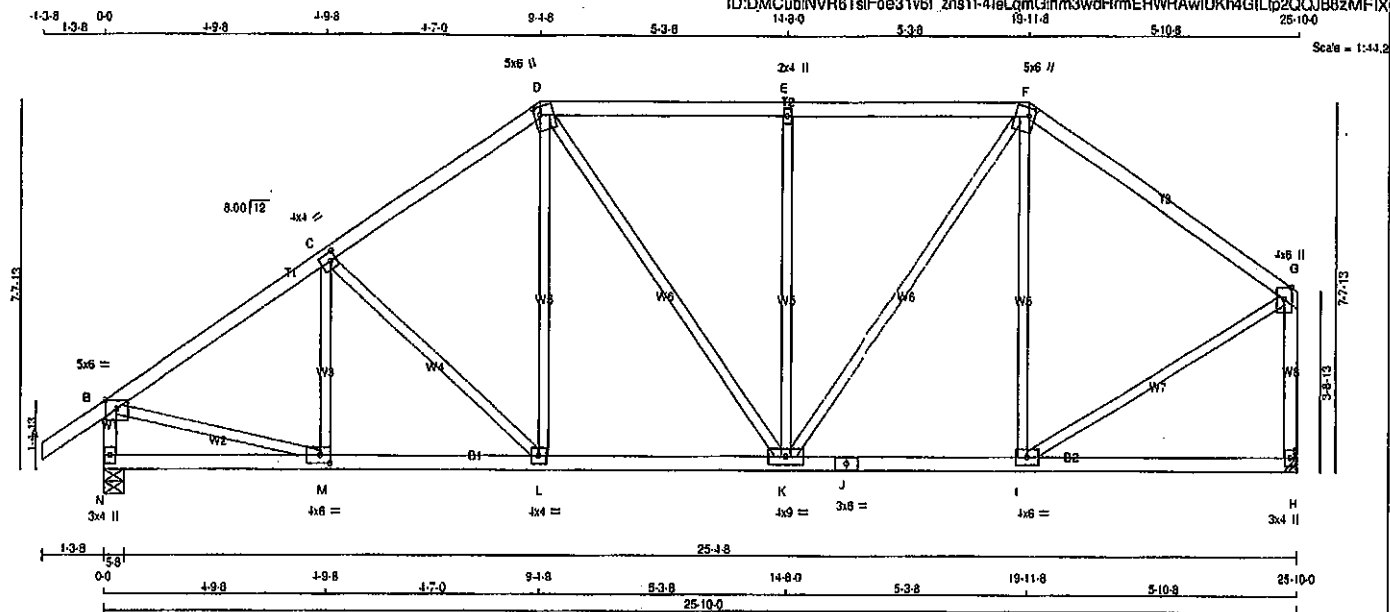
Structural component only
DWG# T-2007611

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

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ID:DMCubINVR6TsIFoe31v6I_2ns11-4leLomGihm3wdHmERWRawUKHGLip2QQJB8zMFIX

19-11-8 25-10-0 Scale = 1:44.2



TOTAL WEIGHT = 118 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

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

BEARINGS

	FACTORED	GROSS REACTION	MAXIMUM FACTORED	GROSS REACTION	INPUT	REQD
					BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX
N	1550	0	1550	0	5-8	5-8
H	1424	0	1424	0	0	MECHANICAL

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

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
N	1084	731	0	0	0	363	0
H	1007	661	0	0	0	346	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.93 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED	FACTORED		MEMB.	MAX. FACTORED	FACTORED	
	FORCE	VERT. LOAD	LC1 MAX		FORCE	MAX	
	(LBS)	(PLF)	CSI (LC)		(LBS)	CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 35	-91.8 -91.8	0.12 (1)	10.00	M-C	-217 3	0.07 (1)
B-C	-1609 0	-91.8 -91.8	0.29 (1)	4.93	C-L	-273 0	0.20 (1)
C-D	-1425 0	-91.8 -91.8	0.28 (1)	5.17	L-D	0 280	0.08 (1)
D-E	-1272 0	-91.8 -91.8	0.35 (1)	5.30	D-K	0 185	0.04 (1)
E-F	-1272 0	-91.8 -91.8	0.35 (1)	5.30	K-E	-595 0	0.64 (1)
F-G	-1077 0	-91.8 -91.8	0.43 (1)	5.52	K-F	0 655	0.15 (1)
N-B	-1511 0	0.0 0.0	0.16 (1)	6.88	I-F	-390 0	0.42 (1)
H-G	-1380 0	0.0 0.0	0.32 (1)	6.92	B-M	0 1396	0.31 (1)
					I-G	0 1031	0.23 (1)
N-M	0 0	-18.5 -18.5	0.09 (4)	10.00			
M-L	0 1362	-18.5 -18.5	0.27 (1)	10.00			
L-K	0 1164	-18.5 -18.5	0.24 (1)	10.00			
K-J	0 890	-18.5 -18.5	0.23 (1)	10.00			
J-I	0 890	-18.5 -18.5	0.23 (1)	10.00			
I-H	0 0	-18.5 -18.5	0.15 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. 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 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

165% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.86")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.86")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSI: TC=0.43/1.00 (F/G:1), BC=0.27/1.00 (L/M:1), WB=0.84/1.00 (E/K:1), SS=0.23/1.00 (E/F:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1 10
COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

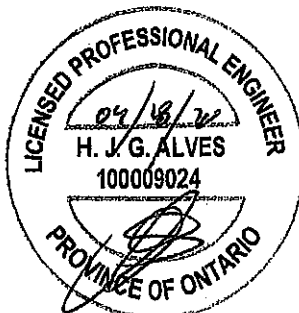
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)	
MAX MIN	MAX MIN	MAX MIN	
MT20	816 354	1667 788	1987 1858

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.89 (B) (INPUT = 0.80)
JSI METAL = 0.56 (G) (INPUT = 1.00)



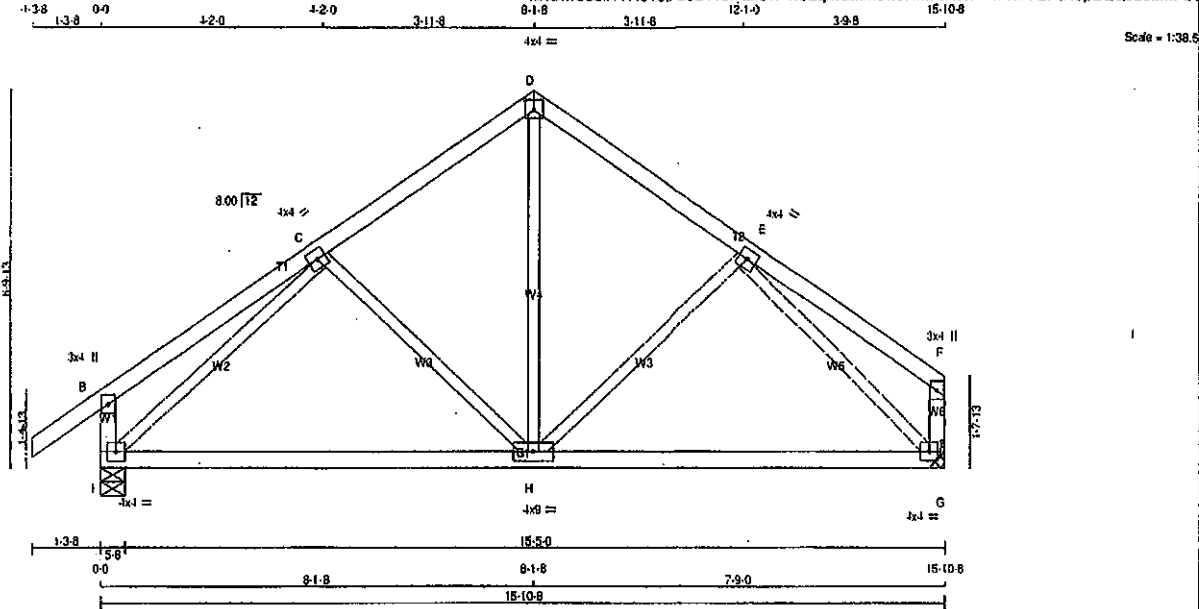
Structural component only
DWG# T-2007612.

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408222	T11A	2	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TsFoe31v8I_zns11-4leLqmGihm3wdHrmERWRRAwIXHh2P1N5p2QQJB8zMFIX



TOTAL WEIGHT = 2 X 66 = 133 lb

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

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER							
BEARINGS							
	FACTORED	MAXIMUM FACTORED	INPUT	RECORD			
	GROSS REACTION	GROSS REACTION	8RG	8RG			
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
I	1001	0	1001	0	0	5-8	5-8
G	875	0	875	0	0	MECHANICAL	

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

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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMV+p	MT20	3.0	4.0	
C	TMWW-1	MT20	4.0	4.0	
D	TTW-p	MT20	4.0	4.0	2.25 2.00
E	TMWW-1	MT20	4.0	4.0	
F	TMV+p	MT20	3.0	4.0	
G	BMVW-1	MT20	4.0	4.0	
H	BMWW-1	MT20	4.0	9.0	
I	BMVW-1	MT20	4.0	4.0	

UNFACTORED REACTIONS							
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
I	708	476.0	0.0	0.0	0.0	229.0	0.0
G	819	408.0	0.0	0.0	0.0	213.0	0.0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 35	-91.8 -91.8	0.12 (1)	10.00	C-H	-228 0	0.12 (1)
B-C	0 24	-91.8 -91.8	0.24 (1)	10.00	H-D	0 449	0.10 (1)
C-D	-691 0	-91.8 -91.8	0.19 (1)	8.25	H-E	-165 0	0.09 (1)
D-E	-689 0	-91.8 -91.8	0.17 (1)	8.25	I-C	-988 0	0.50 (1)
E-F	0 24	-91.8 -91.8	0.22 (1)	10.00	E-G	-971 0	0.44 (1)
I-B	-269 0	0.0 0.0	0.03 (1)	7.81			
G-F	-125 0	0.0 0.0	0.01 (1)	7.81			
I-H	0 722	-18.5 -18.5	0.39 (4)	10.00			
H-G	0 677	-18.5 -18.5	0.39 (4)	10.00			

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 2010, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 086-14
- TPIC 2011, TPIC 2014

15% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

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

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

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (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= 0.84 (E) (INPUT = 0.90)
JSI METAL= 0.35 (C) (INPUT = 1.00)



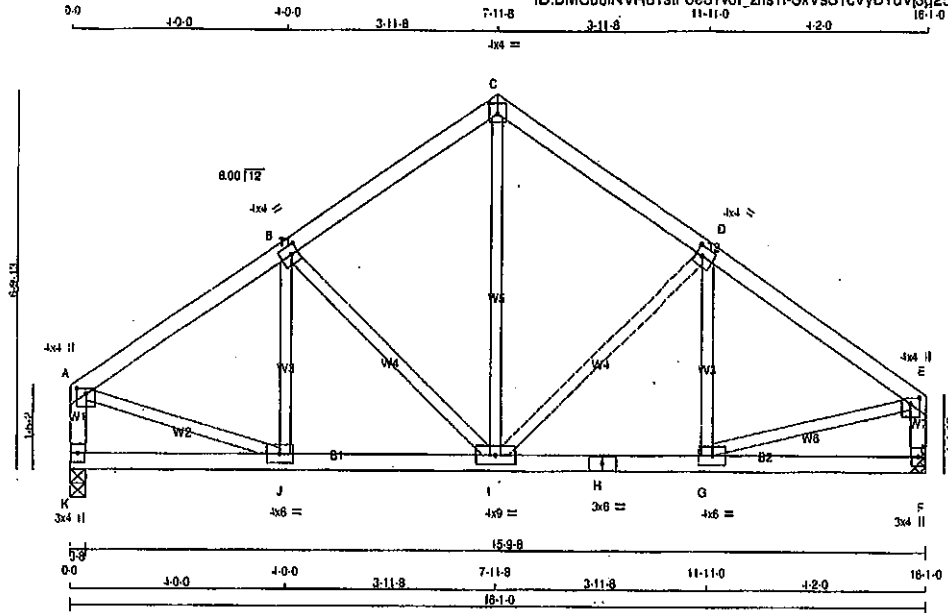
Structural component only
DWG# T-2007613

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408223	T11B	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/8\"/>

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A - TMVW+p	MT20	4.0	4.0	1.25	2.00
B - TMVW-1	MT20	4.0	4.0	2.00	1.50
C - TTW-p	MT20	4.0	4.0	2.25	2.00
D - TMVW-1	MT20	4.0	4.0	2.00	1.50
E - TMVW+p	MT20	4.0	4.0	1.25	2.00
F - BMV1+p	MT20	3.0	4.0		
G - BMVW-1	MT20	4.0	6.0		
H - BS-1	MT20	3.0	8.0		
I - BMVW-1	MT20	4.0	9.0		
J - BMVW-1	MT20	4.0	8.0		
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	887	0	887	0	0
F	887	0	887	0	0

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	827	411	0	0	0	216	0
F	827	411	0	0	0	216	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS						
MAX. FACTORED		FACTORED		MAX. FACTORED		FACTORED				
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. (PLF)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)			
FR-TO		FROM	TO		FR-TO					
A-B	-888	0	-91.8	-91.8	0.19 (1)	8.25	J-B	-142	18	0.04 (1)
B-C	-887	0	-91.8	-91.8	0.18 (1)	8.25	B-I	-269	0	0.13 (1)
C-D	-888	0	-91.8	-91.8	0.19 (1)	8.25	I-C	0	461	0.10 (1)
D-E	-891	0	-91.8	-91.8	0.20 (1)	8.25	I-D	-292	0	0.15 (1)
K-A	-855	0	0.0	0.0	0.09 (1)	7.81	G-D	-117	28	0.03 (1)
F-E	-853	0	0.0	0.0	0.09 (1)	7.81	A-J	0	772	0.17 (1)
							G-E	0	787	0.18 (1)
K-J	0	0	-18.5	-18.5	0.07 (4)	10.00				
J-I	0	740	-18.5	-18.5	0.15 (1)	10.00				
I-H	0	781	-18.5	-18.5	0.15 (1)	10.00				
H-G	0	781	-18.5	-18.5	0.15 (1)	10.00				
G-F	0	0	-18.5	-18.5	0.07 (4)	10.00				

TOTAL WEIGHT = 2 X 59 = 137 lb (M/F)

DESIGN CRITERIA

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

SPACING = 24.0 IN/C

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

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

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

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

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

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

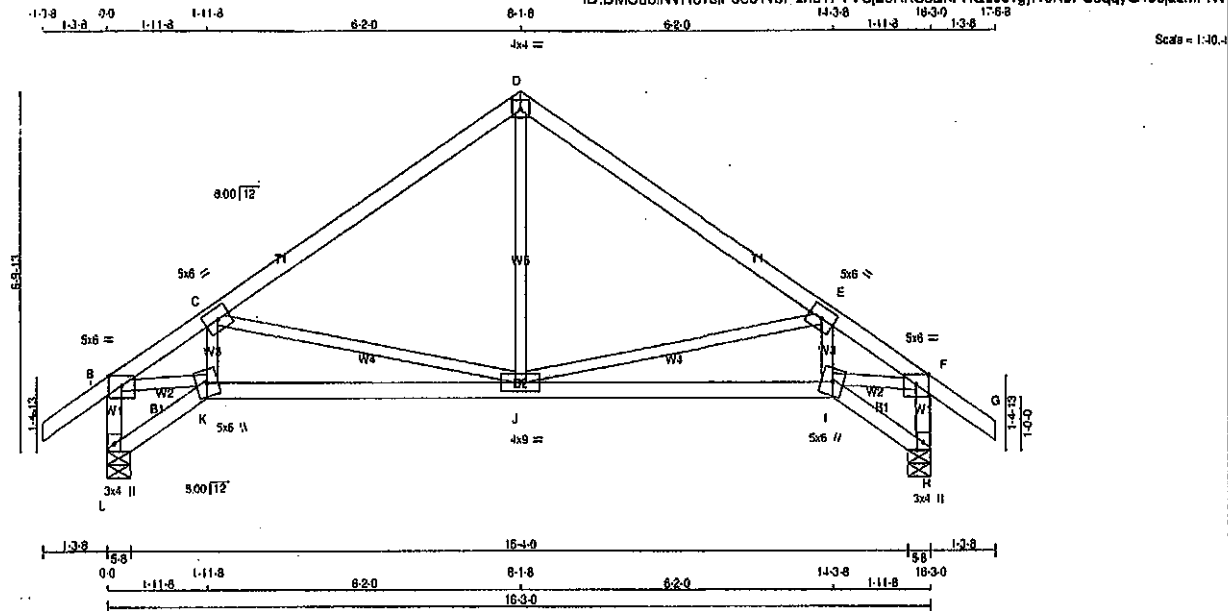


Structural component only
DWG# T-2007631

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

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ID:DMCubINVR6TsIFoe31v6I zns11-YVC26HKS3BnFRQz081gJ7reK5PdcqqyG49sJaz2MFIV



TOTAL WEIGHT = 2 X 67 = 134 lb (M/F)

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

ALL WEBS 2x3 DRY
DRY: SEASONED LUMBER.

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
L	1022	0	1022	0
H	1022	0	1022	0

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
L	720	486 0	0 0	0 0	234 0	0 0
H	720	486 0	0 0	0 0	234 0	0 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.97 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM	TO			FR-TO			
L-B	-1004	0	0	0.11 (1)	7.80	B-K	0 1321	0.30 (1)	
A-B	0 35	-91.8	-91.8	0.12 (1)	10.00	K-C	0 55	0.02 (4)	
B-C	-1508	0	-91.8	-91.8	0.33 (1)	4.97	C-J	-869 0	
C-D	-841	0	-91.8	-91.8	0.41 (1)	6.08	J-D	0 444	
D-E	-841	0	-91.8	-91.8	0.42 (1)	6.07	E-J	-861 0	
E-F	-1510	0	-91.8	-91.8	0.33 (1)	4.97	I-E	0 56	
F-G	0 35	-91.8	-91.8	0.12 (1)	10.00	I-F	0 1323	0.30 (1)	
H-F	-1004	0	0	0.11 (1)	7.80				
L-K	0 0	-18.5	-18.5	0.02 (4)	10.00				
K-J	0 1310	-18.5	-18.5	0.33 (1)	10.00				
J-I	0 1320	-18.5	-18.5	0.33 (1)	10.00				
I-H	0 0	-18.5	-18.5	0.02 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. CG

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

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

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

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

CS1: TC=0.42/1.00 (D-E:1), BC=0.33/1.00 (I-J:1), WB=0.47/1.00 (E-J:1), SS=0.21/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1987 1958

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2007614



TOTAL WEIGHT = 31 lb

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQ'D BRG
	VERT HORZ	DOWN HORZ UPLIFT	IN-SX	IN-SX
JT				
E	214 0	214 0 0	MECHANICAL	
H	344 0	344 0 0	5-8	5-8

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT E. MINIMUM BEARING LENGTH AT JOINT E = 1.8.

DRY: SEASONED LUMBER.

UNFACTORED REACTIONS							
1ST CASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	151	99 0	0 0	0 0	0 0	52 0	0 0
H	241	172 0	0 0	0 0	0 0	89 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				WEBB			
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 36	-91.8	-91.8 0.07 (5)	10.00	G-D	0 139	0.03 (1)
B-C	-165 0	-91.8	-91.8 0.03 (1)	8.25	B-G	0 96	0.02 (1)
C-D	-79 0	-91.8	-91.8 0.06 (1)	8.25	G-E	-3 0	0.00 (1)
E-D	-156 0	0.0	0.0 0.08 (1)	7.81			
H-B	-323 0	0.0	0.0 0.03 (1)	7.81			
H-G	0 0	-16.5	-16.5 0.03 (4)	10.00			
F-G	0 17	0.0	0.0 0.01 (1)	10.00			
G-C	-119 0	0.0	0.0 0.01 (1)	7.81			
F-E	0 2	-16.5	-16.5 0.01 (4)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

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

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

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

CSI: TC=0.08/1.00 (D-E:1) , BC=0.03/1.00 (G-H:4) ,
WB=0.03/1.00 (D-G:1) , SSI=0.07/1.00 (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) (PSI)		SHEAR (PLI)		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 = 0.19 (B) INPUT = 0.90
JSI METAL = 0.11 (B) INPUT = 1.00



Structural component only
DWG# T-2007615

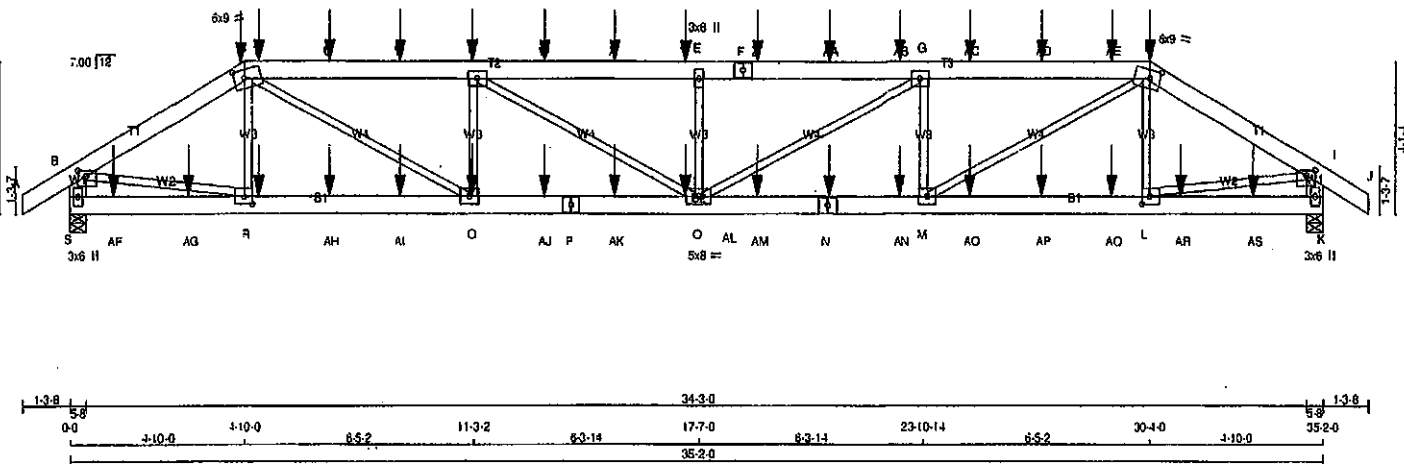
JOB NAME 408223	TRUSS NAME T20	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
TRUSS DESC.					

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoa31v6l zns1l-x73EqNd7lXbU6sesc0DbPaw0PaBNFZ7YlIB c8zMEMh

1-3-8 0-0 4-10-0 4-10-0 4-12 6-5-2 11-3-2 6-3-14 17-7-0 8-3-14 23-10-14 6-5-2 30-4-0 4-10-0 1-3-8
1-3-8 0-0 4-10-0 4-10-0 4-12 6-5-2 11-3-2 6-3-14 17-7-0 8-3-14 23-10-14 6-5-2 30-4-0 4-10-0 1-3-8
Scale = 1:57.6



TOTAL WEIGHT = 2 X 180 = 359 lb

LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	DRY	LUMBER
A - C	2x6	DRY	No.2
C - F	2x6	DRY	No.2
F - H	2x6	DRY	No.2
H - J	2x6	DRY	No.2
S - B	2x6	DRY	No.2
K - I	2x6	DRY	No.2
S - P	2x6	DRY	No.2
P - N	2x6	DRY	No.2
N - K	2x6	DRY	No.2

ALL WEBS	2x3	DRY	No.2
EXCEPT			

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - C	2	12
C - F	2	12
F - H	2	12
H - J	2	12
S - B	2	12
K - I	2	12
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
S - P	2	12
P - N	2	12
N - K	2	12
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 GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
S	3423	0	3423	0	5-8
K	3365	0	3365	0	5-8

UNFACTORED REACTIONS

JT	1ST LOASE	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
S	2418	1600	0	0	0	818	0
K	2378	1573	0	0	0	804	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 = 4.03 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	0 33	R-C	-431 9
B-C	-4681 0	C-Q	0 3534
C-T	-7102 0	Q-D	-1565 0
T-U	-7102 0	D-O	0 1048
U-V	-7102 0	O-E	-884 0
V-O	-7102 0	E-G	0 1085
D-W	-8010 0	M-G	-1573 0
W-X	-8010 0	M-H	0 3572
X-Y	-8010 0	L-H	-421 10
Y-E	-8010 0	B-R	0 4088
E-F	-8010 0	L-I	0 -4022
F-Z	-8010 0		
Z-AA	-8010 0		
AA-AB	-8010 0		
AB-G	-8010 0		
G-AC	-7070 0		
AC-AD	-7070 0		
AD-AE	-7070 0		
AE-H	-7070 0		
H-I	-4806 0		
I-J	0 33		
S-B	-3367 0		
K-I	-3318 0		

S-AF	0 0	-18.5	-18.5	0.08	(4)	10.00
AF-AG	0 0	-18.5	-18.5	0.08	(4)	10.00
AG-R	0 0	-18.5	-18.5	0.08	(4)	10.00
R-AH	0 4024	-18.5	-18.5	0.31	(1)	10.00
AH-AI	0 4024	-18.5	-18.5	0.31	(1)	10.00
AI-O	0 4024	-18.5	-18.5	0.31	(1)	10.00
O-AJ	0 7102	-18.5	-18.5	0.52	(1)	10.00
AJ-P	0 7102	-18.5	-18.5	0.52	(1)	10.00
P-AK	0 7102	-18.5	-18.5	0.52	(1)	10.00
AK-AL	0 7102	-18.5	-18.5	0.52	(1)	10.00
AL-O	0 7070	-18.5	-18.5	0.52	(1)	10.00
O-AM	0 7070	-18.5	-18.5	0.52	(1)	10.00
AM-N	0 7070	-18.5	-18.5	0.52	(1)	10.00
N-AN	0 7070	-18.5	-18.5	0.52	(1)	10.00
AN-M	0 7070	-18.5	-18.5	0.52	(1)	10.00
M-AO	0 3960	-18.5	-18.5	0.30	(1)	10.00
AO-AP	0 3960	-18.5	-18.5	0.30	(1)	10.00
AP-AQ	0 3960	-18.5	-18.5	0.30	(1)	10.00
AQ-L	0 3960	-18.5	-18.5	0.30	(1)	10.00

DESIGN CRITERIA

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

SPECIFIED LOADS:

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

SPACING = 24.0 IN. OC

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

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

ALLOWABLE DEFL.(LL) = L/360 (11.17")
CALCULATED VERT. DEFL.(LL) = L/999 (0.20")
ALLOWABLE DEFL.(TL) = L/360 (11.17")
CALCULATED VERT. DEFL.(TL) = L/999 (0.37")

CSI: TC=0.33(1.00 (E-G:1), .8C=0.52(1.00 (O-Q:1), WB=0.51 1.00 (B-R:1), SSI=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

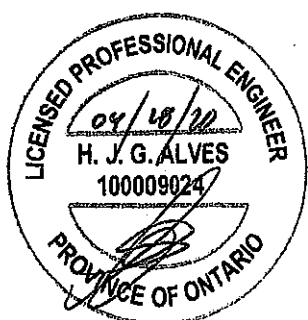
PLATE GRP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1867 788 1987 1656

PLATE PLACEMENT TOL. = 0.750 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (Q) (INPUT = 0.90)
JSI METAL= 0.88 (P) (INPUT = 1.00)

CONTINUED ON PAGE 2



Structural component only
DWG# T-2007632 1/2

JOB NAME 408223	TRUSS NAME T20	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	ORWG NO.
Tamarack Roof Truss, Burlington				Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Tue Apr 26 10:04:02 2020 Page 2	
				ID:DMCubINVR6TslF0e31v6I zns1I-x73EqNd7IXbU6s9scoDbPaw0Pa8NFZ7YIB c8zMEMH	

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
S	TMWW-p	MT20	5.0	6.0	1.75	2.75
C	TTWW-m	MT20	6.0	9.0	2.75	3.50
O	TMWW-t	MT20	5.0	6.0		
E	TMWW-w	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	2.75	3.50
I	TMWW-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		
N	BS-t	MT20	5.0	6.0		
O	BMWW-w	MT20	5.0	6.0		
P	BS-t	MT20	5.0	6.0		
Q	BMWW-t	MT20	5.0	6.0		
R	BMWW-t	MT20	5.0	6.0	2.50	2.75
S	BMV1-p	MT20	3.0	6.0		

LOADING

TOTAL LOAD CASES: (4)

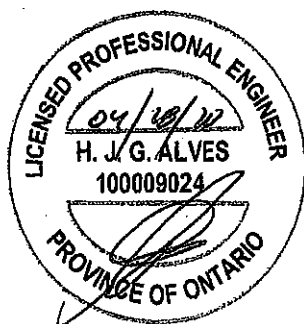
CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LCI (LC)	MAX. UNBRAC. LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM	TO				
L-AR	0 0	-18.5	-18.5	0.08 (4)	10.00		
AR-AS	0 0	-18.5	-18.5	0.08 (4)	10.00		
AS-K	0 0	-18.5	-18.5	0.08 (4)	10.00		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LCI	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	4-10-0	-80	-67	---	FRONT	VERT	DEAD	---	C1
C	4-10-0	-311	-311	---	FRONT	VERT	SNOW	---	C1
D	11-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
H	30-4-0	-60	-67	---	FRONT	VERT	DEAD	---	C1
H	30-4-0	-311	-311	---	FRONT	VERT	SNOW	---	C1
N	21-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
Q	11-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
R	5-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
T	5-2-12	-138	-138	---	FRONT	VERT	TOTAL	---	C1
U	7-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
V	9-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
W	13-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
X	15-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Y	17-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Z	19-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AA	21-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AB	23-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AC	25-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AD	27-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AE	29-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AF	1-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AG	3-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AH	7-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AI	9-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AJ	13-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AK	15-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AL	17-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AM	19-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AN	23-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AO	25-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AP	27-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AQ	29-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AR	31-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AS	33-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1

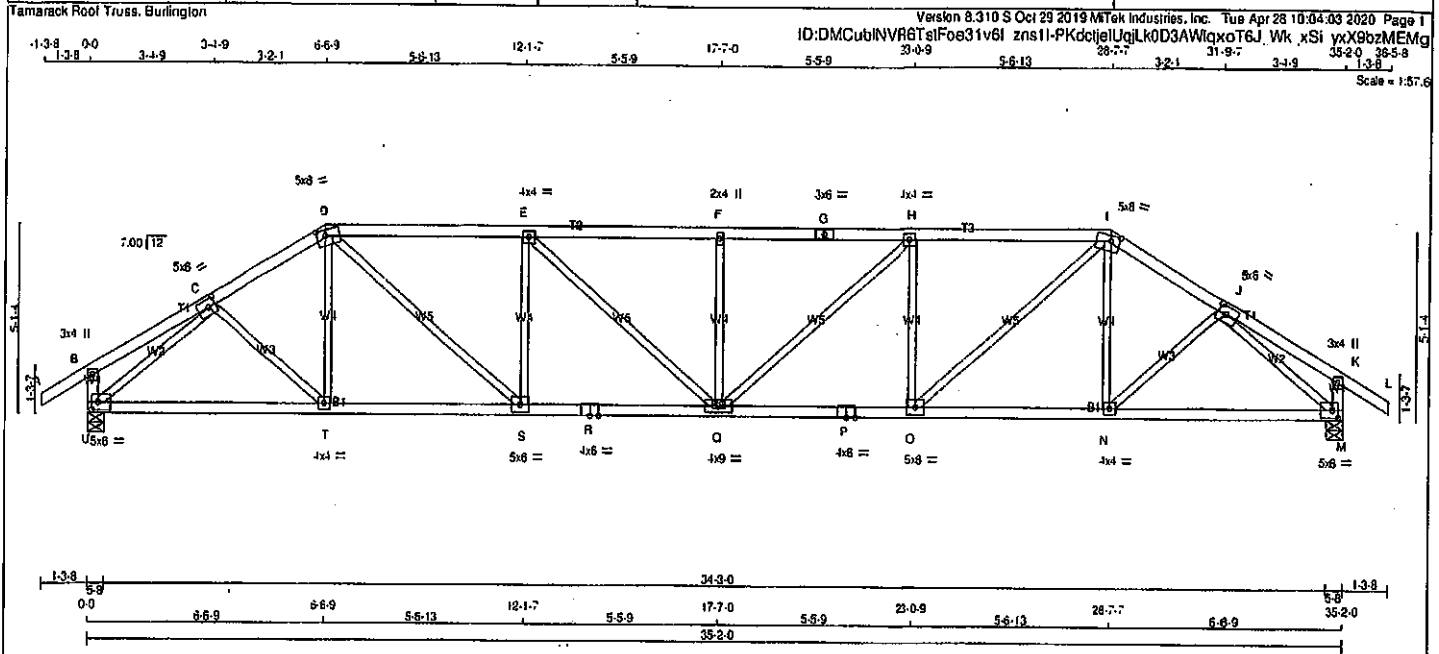
CONNECTION REQUIREMENTS

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



Structural component only
DWG# T-2007632

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408223	T21	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		Version 8.310 S Oct 29 2019 MTek Industries, Inc. Tue Apr 28 10:04:03 2020 Page 1			
		ID:DMCubINVR8TstFos31v6I zns11-PKdctjeUqjLk0D3AWiqxoT6J Wk xSi yxX9bzMEMg			
		Scale = 1:57.6			



TOTAL WEIGHT = 142 lb

LUMBER				N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2	D - G	2x4	DRY	No.2
G - I	2x4	DRY	No.2	G - I	2x4	DRY	No.2
I - L	2x4	DRY	No.2	I - L	2x4	DRY	No.2
L - M	2x4	DRY	No.2	L - M	2x4	DRY	No.2
M - K	2x4	DRY	No.2	M - K	2x4	DRY	No.2
K - P	2x4	DRY	No.2	K - P	2x4	DRY	No.2
P - M	2x4	DRY	No.2	P - M	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2	ALL WEBS	2x3	DRY	No.2
EXCEPT				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	5.0	8.0	2.50	2.50
D TTWW-m	MT20	5.0	8.0	1.75	3.00
E TMWW-I	MT20	4.0	4.0		
F TMWW-w	MT20	2.0	4.0		
G TS-I	MT20	3.0	6.0		
H TMWW-I	MT20	4.0	4.0		
I TTWW-m	MT20	5.0	8.0	1.75	3.00
J TMWW-I	MT20	5.0	8.0	2.50	2.50
K TMV+p	MT20	3.0	4.0		
N BMVW1-I	MT20	5.0	8.0	2.50	2.00
M BMVW1-I	MT20	4.0	4.0		
O BMVW1-I	MT20	5.0	6.0		
P BS-I	MT20	4.0	6.0		
Q BMVWW-I	MT20	4.0	8.0		
R BS-I	MT20	4.0	6.0		
S BMVW1-I	MT20	5.0	6.0		
T BMVW1-I	MT20	4.0	4.0		
U BMVW1-I	MT20	5.0	6.0	2.50	2.00

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	UPLIFT
U	2064	0	2064	0
M	2064	0	2064	0

UNFACTORED REACTIONS

	1ST CASE	MAX. MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
U	1457	970	0	0	0	488	0
M	1457	970	0	0	0	488	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.12 FT.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED	FACTORED		MEMB.	MAX. FACTORED	FACTORED	
	FORCE (LBS)	VERT. LOAD LC1 MAX (PLF)	CSI (LC)		FORCE (LBS)	MAX (CSI (LC))	
FR-TO		FROM TO		FR-TO			
A-B	0 32	-91.8 -91.8 0.12 (1)	10.00	C-T	0 213	0.05 (1)	
B-C	0 13	-91.8 -91.8 0.12 (1)	10.00	T-D	-8 69	0.02 (4)	
C-D	-2527 0	-91.8 -91.8 0.20 (1)	4.18	D-S	0 1447	0.33 (1)	
D-E	-3264 0	-91.8 -91.8 0.68 (1)	3.30	S-E	-853 0	0.33 (1)	
E-F	-3585 0	-91.8 -91.8 0.70 (1)	3.12	E-Q	0 428	0.10 (1)	
F-G	-3585 0	-91.8 -91.8 0.70 (1)	3.12	Q-F	-462 0	0.18 (1)	
G-H	-3585 0	-91.8 -91.8 0.70 (1)	3.12	Q-H	0 428	0.10 (1)	
H-I	-3264 0	-91.8 -91.8 0.68 (1)	3.30	C-H	-853 0	0.33 (1)	
I-J	-2527 0	-91.8 -91.8 0.20 (1)	4.18	O-I	0 1447	0.33 (1)	
J-K	0 13	-91.8 -91.8 0.12 (1)	10.00	N-I	-8 69	0.02 (4)	
K-L	0 32	-91.8 -91.8 0.12 (1)	10.00	N-J	0 213	0.05 (1)	
U-B	-249 0	0.0 0.0 0.03 (1)	7.81	U-C	-2671 0	0.82 (1)	
M-K	-249 0	0.0 0.0 0.03 (1)	7.81	J-M	-2671 0	0.82 (1)	
U-T	0 2005	-18.5 -18.5 0.42 (1)	10.00				
T-S	0 2167	-18.5 -18.5 0.44 (1)	10.00				
S-R	0 3284	-18.5 -18.5 0.58 (1)	10.00				
R-Q	0 3284	-18.5 -18.5 0.58 (1)	10.00				
Q-P	0 3284	-18.5 -18.5 0.58 (1)	10.00				
P-O	0 3284	-18.5 -18.5 0.58 (1)	10.00				
O-N	0 2167	-18.5 -18.5 0.44 (1)	10.00				
N-M	0 2005	-18.5 -18.5 0.42 (1)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. OC

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

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

THIS DESIGN COMPLIES WITH:

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

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

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

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

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

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

CSI: TC=0.70/1.00 (E-F:1), BC=0.58/1.00 (Q-S:1), WB=0.82/1.00 (J-M:1), SS=0.24/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE	GRIP (DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
	MAX MIN	MAX MIN	MAX MIN
MT20	818 354	1867 788	1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

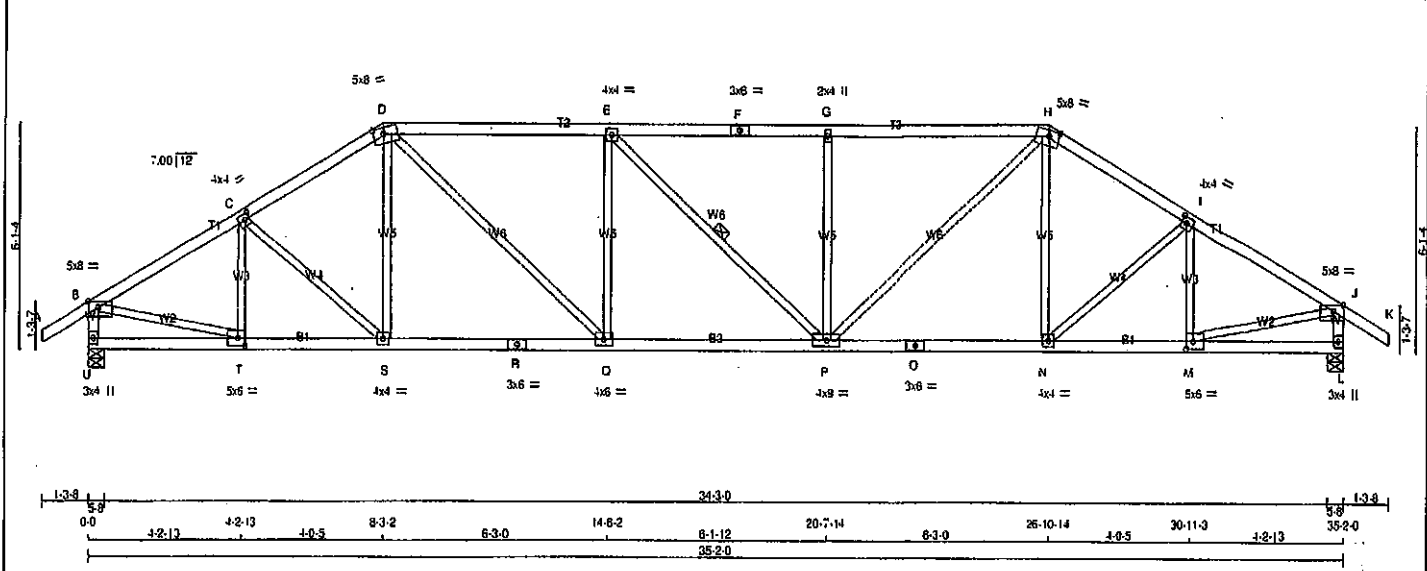
JSI GRIP = 0.90 (M) (INPUT = 0.90)

JSI METAL = 0.74 (R) (INPUT = 1.00)

Structural component only
DWG# T-2007633

JOB NAME 408223	TRUSS NAME T22	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.310 S Oct 29 2019 MITek Industries, Inc. Tue Apr 28 10:04:04 2020 Page 1
 ID:DMCubINVR6TstFoe31v6l zns11-WB743eNF8rCMAoF0G3U70GFOtTlTtCg4h1zMEMI
 20-7-14 26-10-14 30-11-3 35-2-0 35-5-8 1-3-8
 Scale = 1:57.6



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

PLATES (table is in inches)			
JT TYPE	PLATES	W	LEN Y X
B TMVW-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 2.00 3.50
E TMWW-l	MT20	4.0	4.0
F TS-l	MT20	3.0	6.0
G TMWW-m	MT20	2.0	4.0
H TTWW-m	MT20	5.0	8.0 2.00 3.50
I TMWW-l	MT20	4.0	4.0 2.00 1.75
J TMVW-p	MT20	5.0	8.0 Edge 3.50
L BMV-l-p	MT20	3.0	4.0
M BMWW-l	MT20	5.0	6.0 2.50 2.50
N BMWW-l	MT20	4.0	4.0
O BS-l	MT20	3.0	6.0
P BMWW-l	MT20	4.0	9.0
Q BMWW-l	MT20	4.0	8.0
R BS-l	MT20	3.0	6.0
S BMWW-l	MT20	4.0	4.0
T BMWW-l	MT20	5.0	6.0 2.50 2.50
U BMV-l-p	MT20	3.0	4.0

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

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER							
BEARINGS							
	FACTORED	GROSS REACTION	MAXIMUM FACTORED	INPUT	RECORD		
			GROSS REACTION	BRG	IN-SX	IN-SX	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT		
U	2084	0	2084	0	5-8	5-8	
L	2084	0	2084	0	5-8	5-8	

UNFACTORED REACTIONS							
1ST CASE MAX. MIN. COMPONENT REACTIONS							
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
U	1457	970	0	0	0	0	0
L	1457	970	0	0	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 = 3.37 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 32	-91.8 -91.8 0.12 (1)	10.00	T-C	-428 0	0.10 (1)	
B-C	-2468 0	-91.8 -91.8 0.35 (1)	4.07	C-S	-39 0	0.02 (1)	
C-D	-2478 0	-91.8 -91.8 0.34 (1)	4.08	S-D	0 131	0.04 (4)	
D-E	-2910 0	-91.8 -91.8 0.75 (1)	3.37	D-Q	0 1076	0.24 (1)	
E-F	-2909 0	-91.8 -91.8 0.74 (1)	3.38	Q-E	-617 0	0.36 (1)	
F-G	-2909 0	-91.8 -91.8 0.74 (1)	3.38	E-P	-2 0	0.00 (1)	
G-H	-2909 0	-91.8 -91.8 0.75 (1)	3.38	P-G	-617 0	0.36 (1)	
H-I	-2478 0	-91.8 -91.8 0.34 (1)	4.08	P-H	0 1073	0.24 (1)	
I-J	-2468 0	-91.8 -91.8 0.35 (1)	4.07	N-H	0 132	0.04 (4)	
J-K	0 32	-91.8 -91.8 0.12 (1)	10.00	N-I	-39 0	0.02 (1)	
U-B	-2025 0	0.0 0.0 0.21 (1)	5.94	M-I	-426 0	0.10 (1)	
L-J	-2025 0	0.0 0.0 0.21 (1)	5.94	B-T	0 2205	0.50 (1)	
				M-J	0 2205	0.50 (1)	
U-T	0 0	-18.5 -18.5 0.07 (4)	10.00				
T-S	0 2149	-18.5 -18.5 0.41 (1)	10.00				
S-R	0 2122	-18.5 -18.5 0.41 (1)	10.00				
R-Q	0 2122	-18.5 -18.5 0.41 (1)	10.00				
Q-P	0 2910	-18.5 -18.5 0.54 (1)	10.00				
P-O	0 2122	-18.5 -18.5 0.41 (1)	10.00				
O-N	0 2122	-18.5 -18.5 0.41 (1)	10.00				
N-M	0 2149	-18.5 -18.5 0.41 (1)	10.00				
M-L	0 0	-18.5 -18.5 0.07 (4)	10.00				

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

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.16")
 ALLOWABLE DEFL.(TL) = L/360 (1.17")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.30")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

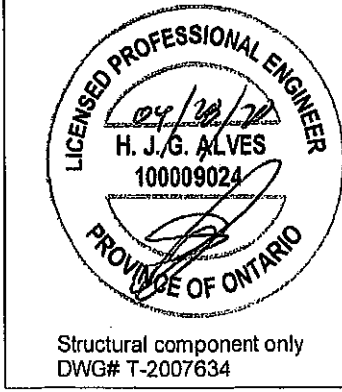
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

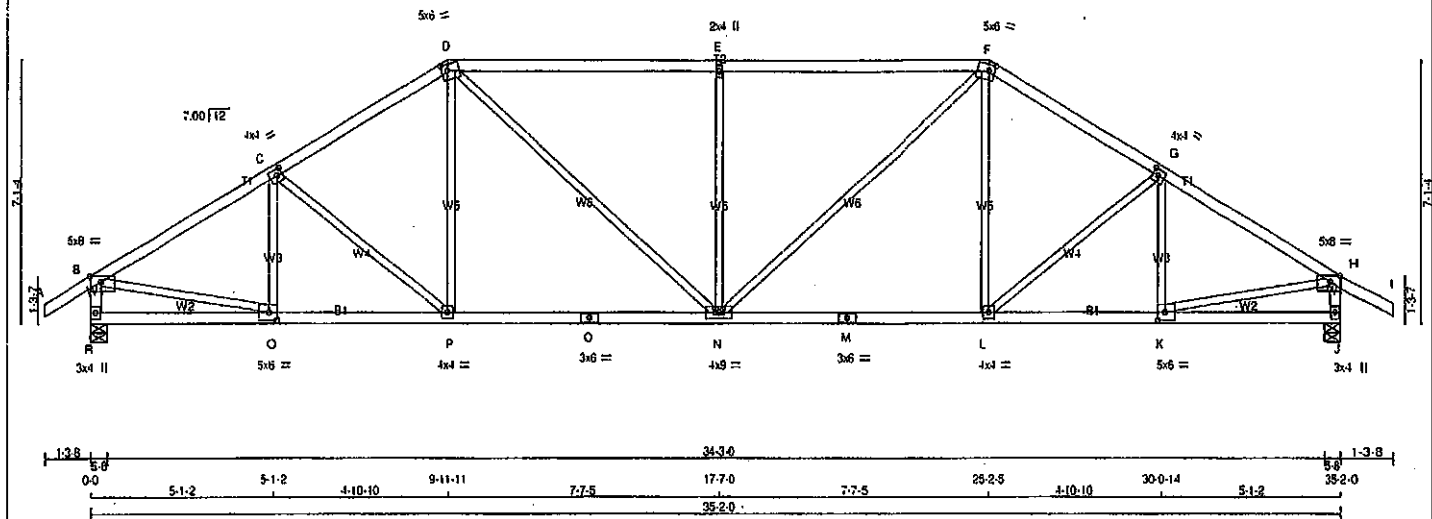
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.89 (T) (INPUT = 0.90)
 JSI METAL = 0.70 (O) (INPUT = 1.00)



Structural component only
 DWG# T-2007634

JOB NAME 408223	TRUSS NAME T23	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.310 9 Oct 2019 MTek Industries, Inc. Tue Apr 28 10:04:08 2020 Page 1	
ID:DMCubINVR6TslFoe31v6I zns11-pvJIVkgem5wbUyereIXZQ5aqCaVBJG8gw9B1vzMEMd				352-0 38-5-8 1-3-8	
Scale = 1:57.6					



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

PLATES (table in inches)					
JT	TYPE	PLATES	W	LEN	V X
B	TMVW-p	MT20	5.0	8.0	Edge 3.50
D	TMVW-l	MT20	4.0	4.0	2.00 1.75
D	TTWW-m	MT20	5.0	6.0	2.00 2.00
E	TMVW-w	MT20	2.0	4.0	
F	TTWW-m	MT20	5.0	6.0	2.00 2.00
G	TMVW-l	MT20	4.0	4.0	2.00 1.75
H	TMVW-p	MT20	5.0	8.0	Edge 3.50
J	BMVl+p	MT20	3.0	4.0	
K	BMVW-l	MT20	5.0	6.0	2.50 2.50
L	BMVW-l	MT20	4.0	4.0	
M	BS-l	MT20	3.0	6.0	
N	BMVW-w-l	MT20	4.0	9.0	
O	BS-l	MT20	3.0	6.0	
P	BMVW-l	MT20	4.0	4.0	
O	BMVW-l	MT20	5.0	6.0	2.50 2.50
R	BMVl+p	MT20	3.0	4.0	

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS REACTION	DOWN	GROSS REACTION	DOWN	BRG	IN-SX	BRG	IN-SX
R	2084	0	2084	0	0	5-8	5-8	5-8	5-8
J	2084	0	2084	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS

1ST CASE		MAX. MIN. COMPONENT REACTIONS		FACTORED		UNFACTORED		RECORD	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	BRG	IN-SX
R	1457	970	0	0	0	0	0	488	0
J	1457	970	0	0	0	0	0	488	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.16 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)	MAX. UNBRACED LENGTH
FR-TO		FROM TO		FR-TO			
A-B	0 32	-91.8 -91.8	0.12 (1)	10.00	C-C	-335 0	0.09 (1)
B-C	-2537 0	-91.8 -91.8	0.39 (1)	4.00	C-P	-216 0	0.16 (1)
C-D	-2396 0	-91.8 -91.8	0.37 (1)	4.11	P-D	0 258	0.06 (4)
D-E	-2809 0	-91.8 -91.8	0.88 (1)	3.18	D-N	0 752	0.17 (1)
E-F	-2609 0	-91.8 -91.8	0.88 (1)	3.16	N-E	-880 0	0.75 (1)
F-G	-2396 0	-91.8 -91.8	0.37 (1)	4.11	N-F	0 752	0.17 (1)
G-H	-2537 0	-91.8 -91.8	0.39 (1)	4.00	L-F	0 258	0.06 (4)
H-I	0 32	-91.8 -91.8	0.12 (1)	10.00	L-G	-216 0	0.16 (1)
I-B	-2020 0	0.0 0.0	0.21 (1)	5.94	K-G	-335 0	0.09 (1)
J-H	-2020 0	0.0 0.0	0.21 (1)	5.94	B-Q	0 2253	0.51 (1)
					K-H	0 2253	0.51 (1)
R-O	0 0	-18.5 -18.5	0.10 (4)	10.00			
O-P	0 2213	-18.5 -18.5	0.45 (1)	10.00			
P-Q	0 2048	-18.5 -18.5	0.44 (1)	10.00			
Q-N	0 2048	-18.5 -18.5	0.44 (1)	10.00			
N-M	0 2048	-18.5 -18.5	0.44 (1)	10.00			
M-L	0 2048	-18.5 -18.5	0.44 (1)	10.00			
L-K	0 2213	-18.5 -18.5	0.45 (1)	10.00			
K-J	0 0	-18.5 -18.5	0.10 (4)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. GC

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

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

THIS DESIGN COMPLIES WITH:

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

155% OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = L/999 (0.13")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/999 (0.27")

CSI: TC=0.88/1.00 (E-F:1), BC=0.45/1.00 (K-L:1), WB=0.75/1.00 (E-N:1), SSI=0.34/1.00 (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.

MAIL VALUES

PLATE GRIP/DRY SHEAR SECTION
(PS) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1667 788 1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

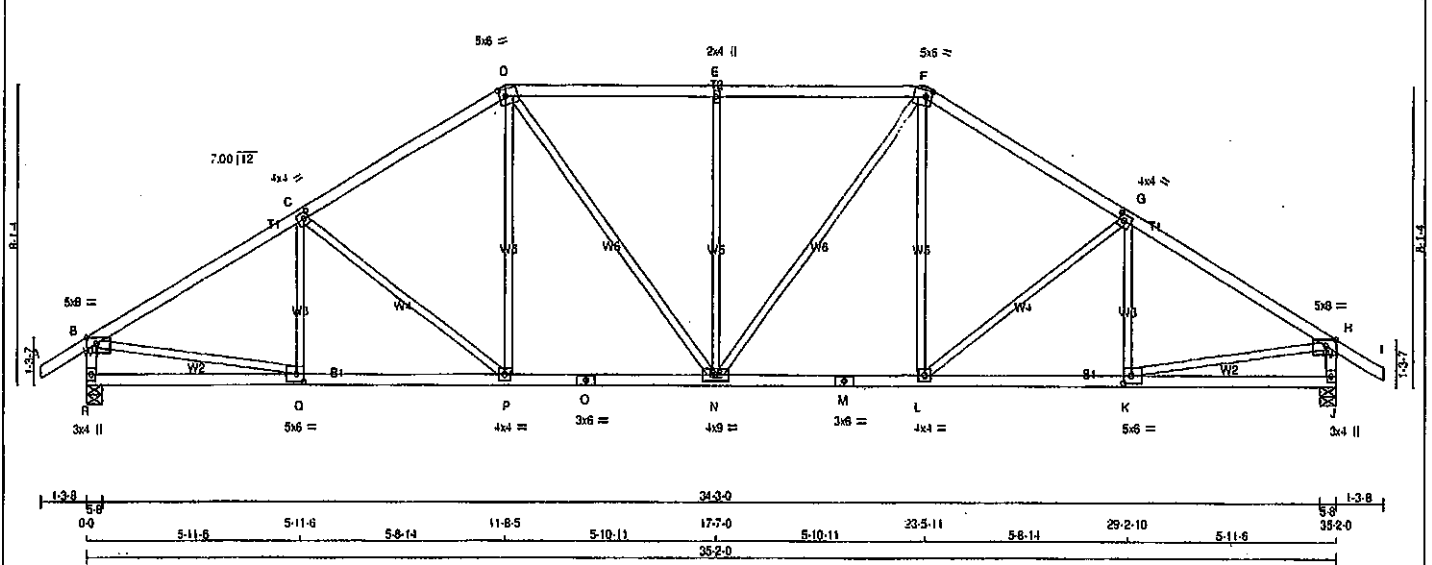
JSI GRIP = 0.88 (K) (INPUT = 0.90)
JSI METAL = 0.72 (M) (INPUT = 1.00)



Structural component only
DWG# T-2007635

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408223	T24	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:DMCubINVR6TslFoe31v6l_zns1l-H5e7l4hGX3DnDeWqPLpm8eapobw_wk9HuavkiMzMEMc
352-0 38-5-8 13-8
Scale = 1:57.6



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 - H	2x4	DRY	No.2	SPF
H - O	2x4	DRY	No.2	SPF
O - M	2x4	DRY	No.2	SPF
M - J	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)	W	LEN	Y	X
JT TYPE PLATES				
B TMWW-p	MT20	5.0	8.0	Edge 3.50
C TMWW-i	MT20	4.0	4.0	2.00 1.75
D TTWW-m	MT20	5.0	6.0	2.25 2.00
E TMWW-w	MT20	2.0	4.0	
F TTWW-m	MT20	5.0	6.0	2.25 2.00
G TMWW-i	MT20	4.0	4.0	2.00 1.75
H TMWW-p	MT20	5.0	8.0	Edge 3.50
J BMV1-p	MT20	3.0	4.0	
K BMWW-i	MT20	5.0	6.0	2.50 2.50
L BMWW-i	MT20	4.0	4.0	
M BS-t	MT20	3.0	6.0	
N BMWW-w	MT20	4.0	9.0	
O BS-t	MT20	3.0	6.0	
P BMWW-i	MT20	4.0	4.0	
Q BMWW-i	MT20	5.0	6.0	2.50 2.50
R BMV1-p	MT20	3.0	4.0	

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORIZ	DOWN	HORIZ
R	2084	0	2084	0
J	2084	0	2084	0

UNFACTORED REACTIONS	1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW LIVE PERA LIVE WIND DEAD SOIL
R	1457	970 0 0 0 0 0 0 0 0 0 0
J	1457	970 0 0 0 0 0 0 0 0 0 0

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED CS (LC)	MAX. UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS (LC)
FR-TO			FROM TO			FR-TO			
A-B	0 32	-91.8	-91.8 0.12 (1)	10.00		Q-C	-252 12	0.08 (1)	
B-C	-2575 0	-91.8	-91.8 0.54 (1)	3.81		C-P	-388 0	0.41 (1)	
C-D	-2283 0	-91.8	-91.8 0.50 (1)	4.05		P-D	0 345	0.08 (1)	
D-E	-2236 0	-91.8	-91.8 0.49 (1)	4.08		D-N	0 480	0.11 (1)	
E-F	-2236 0	-91.8	-91.8 0.49 (1)	4.08		N-E	-682 0	0.84 (1)	
F-G	-2283 0	-91.8	-91.8 0.50 (1)	4.05		N-F	0 480	0.11 (1)	
G-H	-2575 0	-91.8	-91.8 0.54 (1)	3.81		L-F	0 345	0.08 (1)	
H-I	0 32	-91.8	-91.8 0.12 (1)	10.00		L-G	-388 0	0.41 (1)	
R-B	-2016 0	0.0	0.0 0.21 (1)	5.94		K-G	-252 12	0.08 (1)	
J-H	-2016 0	0.0	0.0 0.21 (1)	5.94		B-O	0 2281	0.51 (1)	
R-O	0 0	-18.5	-18.5 0.14 (4)	10.00		K-H	0 2281	0.51 (1)	
Q-P	0 2251	-18.5	-18.5 0.43 (1)	10.00					
P-O	0 1947	-18.5	-18.5 0.38 (1)	10.00					
O-N	0 1947	-18.5	-18.5 0.38 (1)	10.00					
N-M	0 1947	-18.5	-18.5 0.38 (1)	10.00					
M-L	0 1947	-18.5	-18.5 0.38 (1)	10.00					
L-K	0 2251	-18.5	-18.5 0.43 (1)	10.00					
K-J	0 0	-18.5	-18.5 0.14 (4)	10.00					

DESIGN CRITERIA

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

SPACING = 24.0 IN.C/C

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

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/999 (0.22")

CSI: TC=0.54/1.00 (B-C:1) .BC=0.43/1.00 (P-Q:1) .WB=0.84/1.00 (E-N:1) .SSI=0.26/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSH) (PLI) (PLR)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1867 768 1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (Q) INPUT = 0.90 ;
JSI METAL= 0.61 (M) INPUT = 1.00 ;

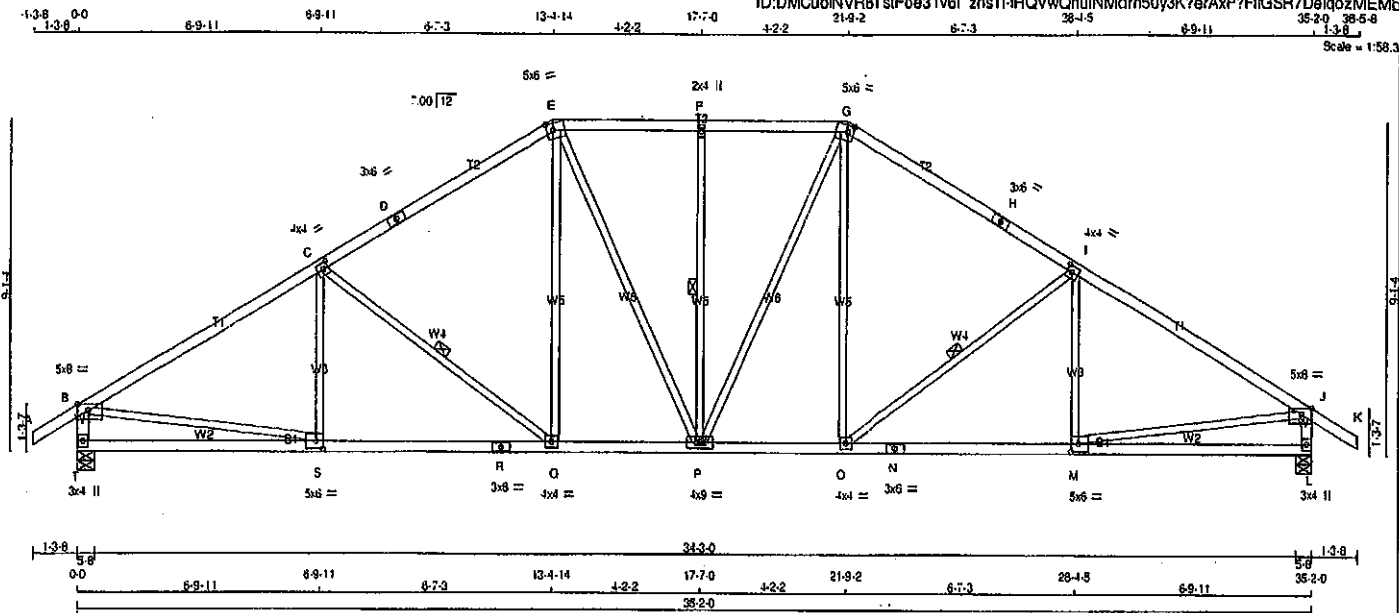


Structural component only
DWG# T-2007636

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

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ID:DMCubINVR8TsiFoe31v6I znsII-HQVwChulNMdm50y3K7eAxP?FIGSR7DeIqozMEMb



TOTAL WEIGHT = 4 X 158 = 632 lb (M/F)

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	Edge	3.50
C	TMVW-l	MT20	4.0	4.0	2.00	1.75
D	TS-l	MT20	3.0	6.0		
E	TTWW-m	MT20	5.0	6.0	2.25	2.00
F	TMVW-w	MT20	2.0	4.0		
G	TTWW-m	MT20	5.0	8.0	2.25	2.00
H	TS-l	MT20	3.0	6.0		
I	TMVW-l	MT20	4.0	4.0	2.00	1.75
J	TMVW-p	MT20	5.0	8.0	Edge	3.50
L	BMV-l-p	MT20	3.0	4.0		
M	BMVW-l	MT20	5.0	6.0	2.50	2.50
N	BS-l	MT20	3.0	6.0		
O	BMVW-l	MT20	4.0	4.0		
P	BMVW-l	MT20	4.0	9.0		
Q	BMVW-l	MT20	4.0	4.0		
R	BS-l	MT20	3.0	6.0		
S	BMVW-l	MT20	5.0	6.0	2.50	2.50
T	BMV-l-p	MT20	3.0	4.0		

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

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

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

UNFACTORED REACTIONS

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

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.54 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED				WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1	MAX	UNBRAC	MEMB.	FORCE (LBS)	MAX	CS1 (LC)
FR-TO		FROM	TO	LENGTH	FR-TO				
A-B	0 32	-91.8	-91.8	0.12 (1)	10.00	S-C	-185 51	0.08 (1)	
B-C	-2590 0	-91.8	-91.8	0.74 (1)	3.54	C-Q	-548 0	0.26 (1)	
C-D	-2158 0	-91.8	-91.8	0.88 (1)	3.91	Q-E	0 431	0.10 (1)	
D-E	-2158 0	-91.8	-91.8	0.88 (1)	3.91	E-P	0 286	0.08 (1)	
E-F	-1858 0	-91.8	-91.8	0.24 (1)	4.61	P-G	-460 0	0.25 (1)	
F-G	-1858 0	-91.8	-91.8	0.68 (1)	3.91	G-Q	0 286	0.08 (1)	
G-H	-2158 0	-91.8	-91.8	0.68 (1)	3.91	O-I	-548 0	0.10 (1)	
H-I	-2158 0	-91.8	-91.8	0.68 (1)	3.91	I-O	0 431	0.26 (1)	
I-J	-2590 0	-91.8	-91.8	0.74 (1)	3.54	M-I	-185 51	0.08 (1)	
J-K	0 32	-91.8	-91.8	0.12 (1)	10.00	S-S	0 2292	0.52 (1)	
T-B	-2011 0	0.0	0.0	0.20 (1)	5.95	M-J	0 2292	0.52 (1)	
L-J	-2011 0	0.0	0.0	0.20 (1)	5.95				
T-S	0 0	-18.5	-18.5	0.20 (14)	10.00				
S-R	0 2269	-18.5	-18.5	0.46 (1)	10.00				
R-Q	0 2269	-18.5	-18.5	0.46 (1)	10.00				
Q-P	0 1833	-18.5	-18.5	0.36 (1)	10.00				
P-O	0 1833	-18.5	-18.5	0.36 (1)	10.00				
O-N	0 2269	-18.5	-18.5	0.46 (1)	10.00				
N-M	0 2269	-18.5	-18.5	0.46 (1)	10.00				
M-L	0 0	-18.5	-18.5	0.20 (14)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
DL = 5.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. GC

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

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, 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/999 (0.11")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/999 (0.22")

CS1: TC=0.74/1.00 (I-J:1), BC=0.46/1.00 (M-O:1), WB=0.52/1.00 (J-M:1), SS1=0.28/1.00 (I-J:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PL) (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 = 0.85 (S) INPUT = 0.90 I
JSI METAL = 0.89 (N) INPUT = 1.00 I

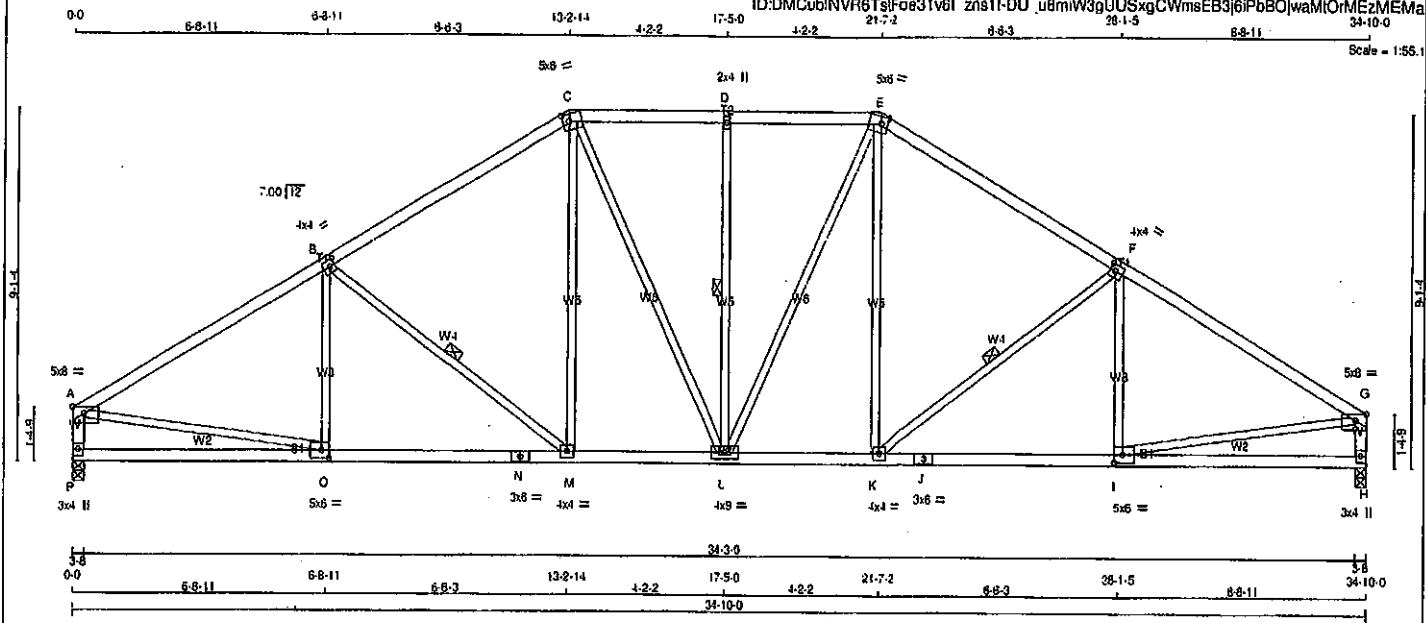


Structural component only
DWG# T-2007637

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
408223	T25A	3	1	GREEN PARK HOMES		

Tamarack Roof Truss, Burlington

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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
A	TMVW-p	MT20	5.0	8.0	2.00 Edge
B	TMVW-l	MT20	4.0	4.0	2.00 1.75
C	TTWW-m	MT20	5.0	8.0	2.25 2.00
D	TMVW-w	MT20	2.0	4.0	
E	TTWW-m	MT20	5.0	6.0	2.25 2.00
F	TMVW-l	MT20	4.0	4.0	2.00 1.75
G	TMVW-p	MT20	5.0	8.0	Edge 3.50
H	BMVl+p	MT20	3.0	4.0	
I	BMVW-l	MT20	5.0	6.0	2.50 2.50
J	BS-l	MT20	3.0	6.0	
K	BMVW-l	MT20	4.0	4.0	
L	BMVW-l	MT20	4.0	9.0	
M	BMVW-l	MT20	4.0	4.0	
N	BS-l	MT20	3.0	6.0	
O	BMVW-l	MT20	5.0	6.0	2.50 2.50
P	BMVl+p	MT20	3.0	4.0	

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

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

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

UNFACTORED REACTIONS		1ST LCASE		MAX. MIN. COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND
P	1358	891	0	0	0
H	1358	891	0	0	0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.84 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSF (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSF (LC)	
FR-TO		FR-TO		FR-TO			
A-B	-2510 0	-91.8 -91.8	0.71 (1)	3.84 C-B	-212 40	0.09 (1)	
B-C	-2113 0	-91.8 -91.8	0.63 (1)	3.99 B-M	-510 0	0.24 (1)	
C-D	-1919 0	-91.8 -91.8	0.24 (1)	4.64 M-C	0 412	0.09 (1)	
D-E	-1919 0	-91.8 -91.8	0.24 (1)	4.64 C-L	0 287	0.08 (1)	
E-F	-2113 0	-91.8 -91.8	0.63 (1)	3.99 L-D	-461 0	0.25 (1)	
F-G	-2510 0	-91.8 -91.8	0.71 (1)	3.84 L-E	0 287	0.08 (1)	
P-A	-1868 0	0.0 0.0	0.19 (1)	6.13 K-E	0 412	0.09 (1)	
H-G	-1868 0	0.0 0.0	0.19 (1)	6.13 K-F	-510 0	0.24 (1)	
				I-F	-212 40	0.09 (1)	
P-O	0 0	-18.5 -18.5	0.20 (4)	10.00 A-O	0 2227	0.50 (1)	
O-N	0 2199	-18.5 -18.5	0.45 (1)	10.00 I-G	0 2227	0.50 (1)	
N-M	0 2199	-18.5 -18.5	0.45 (1)	10.00			
M-L	0 1797	-18.5 -18.5	0.35 (1)	10.00			
L-K	0 1797	-18.5 -18.5	0.35 (1)	10.00			
K-J	0 2199	-18.5 -18.5	0.45 (1)	10.00			
J-I	0 2199	-18.5 -18.5	0.45 (1)	10.00			
I-H	0 0	-18.5 -18.5	0.20 (4)	10.00			

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. GIC

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

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

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

CSF: TC=0.71 1.00 (A-B:1), BC=0.45 1.00 (M-O:1), WB=0.50 1.00 (A-O:1), SS=0.28 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

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.84 (1) INPUT = 0.90
JSI METAL = 0.66 (N) INPUT = 1.00



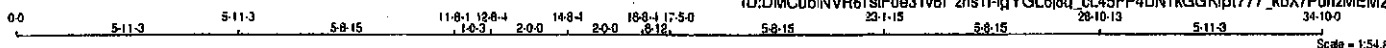
Structural component only
DWG# T-2007638

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

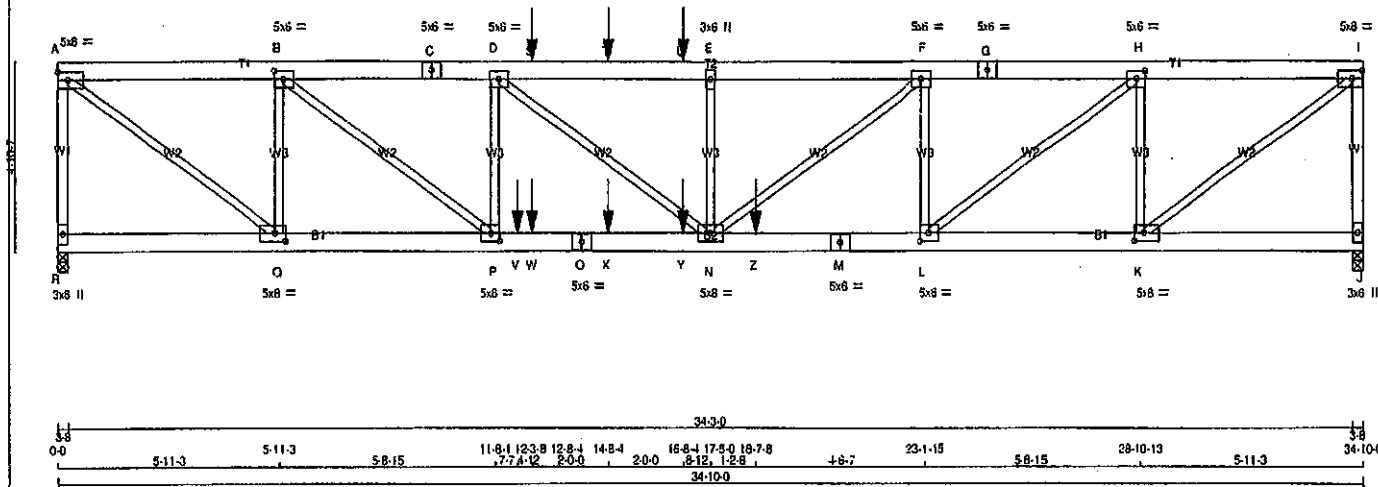
Tamarack Roof Truss, Burlington

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ID:DMCub\NVR6TstFoe31v6\ zns11-igYGL68q_cl45FP4UNTKGGK\pt777_kbX7PuhzMEMZ



Scale = 1:54.8



TOTAL WEIGHT = 2 X 183 = 366 lb

LUMBER					
N. L. G. A. RULES					
CHORDS		SIZE	LUMBER		DESCR
R - A	2x4	DRY	No.2		SPF
A - C	2x6	DRY	No.2		SPF
C - G	2x6	DRY	No.2		SPF
G - I	2x6	DRY	No.2		SPF
J - L	2x4	DRY	No.2		SPF
R - O	2x6	DRY	No.2		SPF
O - M	2x6	DRY	No.2		SPF
M - J	2x6	DRY	No.2		SPF

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

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

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS			
R - A	1	12	TOP
I - J	1	12	TOP
A - C	2	12	TOP
C - G	2	12	SIDE(0.0)
G - I	2	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS			
R - O	2	12	SIDE(0.0)
O - M	2	12	SIDE(0.0)
M - J	2	12	TOP
WEBS : (0.122"x3") SPIRAL NAILS			
2x3	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF 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	RECORD BRG
JT VERT	3373	0	3-8	3-8
J HORIZ	3103	0	3-8	3-8

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT COMBINED SNOW	
R	2380 1591 0 0 0 0 0 0 789 0 0 0
J	2190 1459 0 0 0 0 0 0 731 0 0 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.03 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CS1 (LC)	MAX. FACTORED CS1 (LC)
FR-TO					
R-A	3316	0	0.0	0.0	0.58 (1)
A-B	-4149	0	-91.8	-91.8	0.14 (1)
B-C	-7288	0	-91.8	-91.8	0.20 (1)
C-D	-7288	0	-91.8	-91.8	0.20 (1)
D-E	-8278	0	-91.8	-91.8	0.28 (1)
E-F	-8278	0	-91.8	-91.8	0.28 (1)
F-G	-8278	0	-91.8	-91.8	0.28 (1)
G-H	-8278	0	-91.8	-91.8	0.28 (1)
H-I	-8278	0	-91.8	-91.8	0.28 (1)
I-J	-3042	0	0.0	0.0	0.51 (1)
R-Q	0	0	-18.5	-18.5	0.04 (4)
Q-P	0	-4149	-18.5	-18.5	0.30 (1)
P-V	0	7288	-18.5	-18.5	0.67 (1)
V-W	0	7288	-18.5	-18.5	0.67 (1)
W-O	0	7288	-18.5	-18.5	0.67 (1)
O-X	0	7288	-18.5	-18.5	0.67 (1)
X-Y	0	7288	-18.5	-18.5	0.67 (1)
Y-N	0	7288	-18.5	-18.5	0.67 (1)
N-Z	0	6586	-18.5	-18.5	0.72 (1)
Z-M	0	6586	-18.5	-18.5	0.72 (1)
M-L	0	6586	-18.5	-18.5	0.72 (1)
L-K	0	3787	-18.5	-18.5	0.32 (1)
K-J	0	0	-18.5	-18.5	0.04 (4)

FACTORED CONCENTRATED LOADS (LBS)	JT	LOC.	LC1	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
S	12-8-4	-86	-86	---	BACK	VERT	TOTAL	---	C1
T	14-8-4	-86	-86	---	BACK	VERT	TOTAL	---	C1
U	16-8-4	-86	-86	---	BACK	VERT	TOTAL	---	C1
V	12-3-8	-1052	-1052	---	BACK	VERT	TOTAL	---	C1
W	12-8-4	-17	-17	---	BACK	VERT	TOTAL	---	C1
X	14-8-4	-17	-17	---	BACK	VERT	TOTAL	---	C1
Y	16-8-4	-17	-17	---	BACK	VERT	TOTAL	---	C1
Z	18-7-8	-1273	-1273	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 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, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (1.16")
CALCULATED VERT. DEFL.(LL) = L/999 (0.21")
ALLOWABLE DEFL.(TL) = L/360 (1.16")
CALCULATED VERT. DEFL.(TL) = L/999 (0.39")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2007639 1/2

CONTINUED ON PAGE 2

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

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ID:DMCuoINVR6TsIFoe31v6l zns1-lqYGL68g cL45FP4UNTkGGKtp1777 kbX7PuhzMEMZ

PLATES (table is in inches)

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

CONNECTION REQUIREMENTS

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

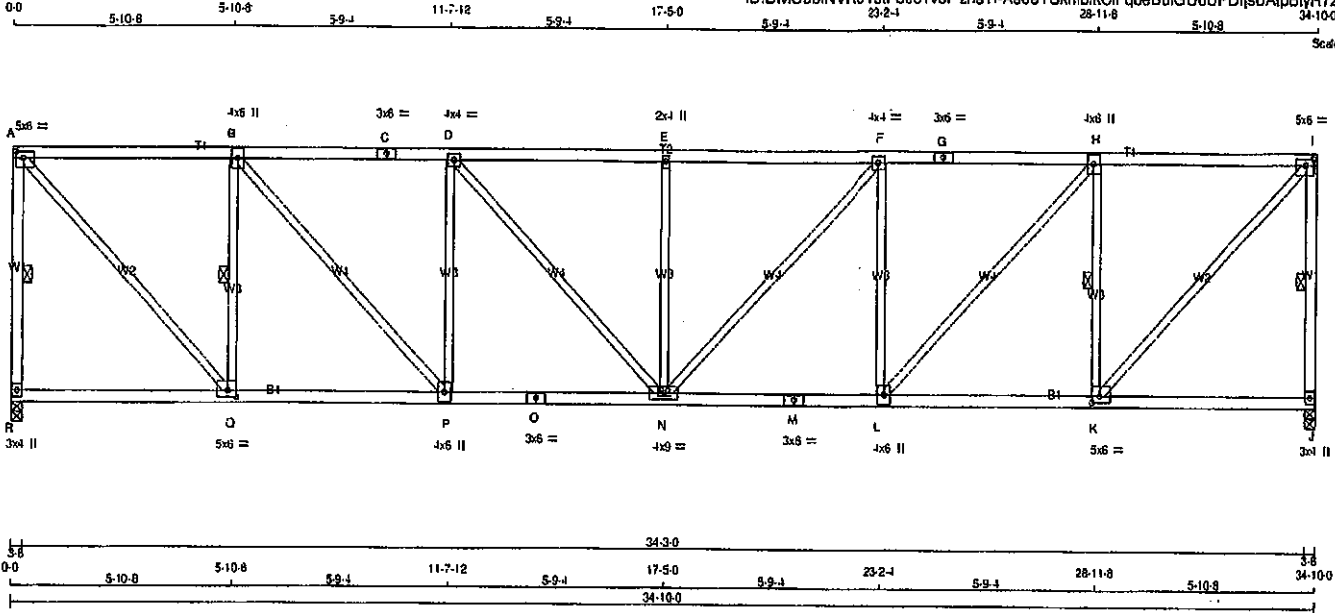


Structural component only
DWG# T-2007639 1/2

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

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TafFoe31v6I zns1I-As6eYskmbkCfQbeBuiGUoUPDIjsbAtp8yR7zMEMY
29-2-4 28-11-8 34-10-0



TOTAL WEIGHT = 2 X 157 = 314 lb

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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
A	TMVW-1	MT20	5.0	8.0	2.00 2.50
B	TMVW-1	MT20	4.0	8.0	
C	TS-1	MT20	3.0	8.0	
D	TMVW-1	MT20	4.0	4.0	
E	TMVW-1	MT20	2.0	4.0	
F	TMVW-1	MT20	4.0	4.0	
G	TS-1	MT20	3.0	8.0	
H	TMVW-1	MT20	4.0	8.0	
I	TMVW-1	MT20	5.0	8.0	2.00 2.50
J	BMV1+p	MT20	3.0	4.0	
K	BMVW-1	MT20	5.0	8.0	2.00 2.50
L	BMVW-1	MT20	4.0	8.0	
M	BS-1	MT20	3.0	8.0	
N	BMVW-1	MT20	4.0	8.0	
O	BS-1	MT20	3.0	8.0	
P	BMVW-1	MT20	4.0	8.0	
Q	BMVW-1	MT20	5.0	8.0	2.00 2.50
R	BMV1+p	MT20	3.0	4.0	

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

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

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
R	1358	891	0	0	0	0	0
J	1358	891	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 = 3.72 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
R-A	-1876	0	0.0 0.0 0.37 (1)	A-Q	0	2281	0.51 (1)
A-B	-1593	0	-91.8 -91.8 0.53 (1)	Q-B	-1540	0	0.43 (1)
B-C	-2428	0	-91.8 -91.8 0.63 (1)	B-P	0	1272	0.29 (1)
C-D	-2428	0	-91.8 -91.8 0.63 (1)	P-D	-831	0	0.58 (1)
D-E	-2725	0	-91.8 -91.8 0.58 (1)	D-N	0	440	0.10 (1)
E-F	-2725	0	-91.8 -91.8 0.58 (1)	N-E	-539	0	0.38 (1)
F-G	-2428	0	-91.8 -91.8 0.63 (1)	G-F	0	440	0.10 (1)
G-H	-2428	0	-91.8 -91.8 0.63 (1)	H-F	-831	0	0.58 (1)
H-I	-1583	0	-91.8 -91.8 0.53 (1)	I-H	0	1272	0.29 (1)
I-J	-1876	0	0.0 0.0 0.37 (1)	J-I	-1540	0	0.43 (1)
R-Q	0	0	-18.5 -18.5 0.15 (4)	Q-I	0	2281	0.51 (1)
Q-P	0	1583	-18.5 -18.5 0.33 (1)				
P-O	0	2428	-18.5 -18.5 0.44 (1)				
O-N	0	2428	-18.5 -18.5 0.44 (1)				
N-M	0	2428	-18.5 -18.5 0.44 (1)				
M-L	0	2428	-18.5 -18.5 0.44 (1)				
L-K	0	1583	-18.5 -18.5 0.33 (1)				
K-J	0	0	-18.5 -18.5 0.15 (4)				

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

(55% OF 31.3 P.S.F. G.S.L. PLUS 0.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.63:1.00 (F:H:1), BC=0.44:1.00 (N:P:1), WB=0.58:1.00 (F:L:1), SS=0.25:1.00 (A:B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

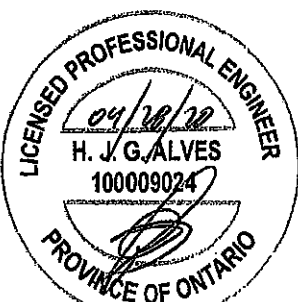
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



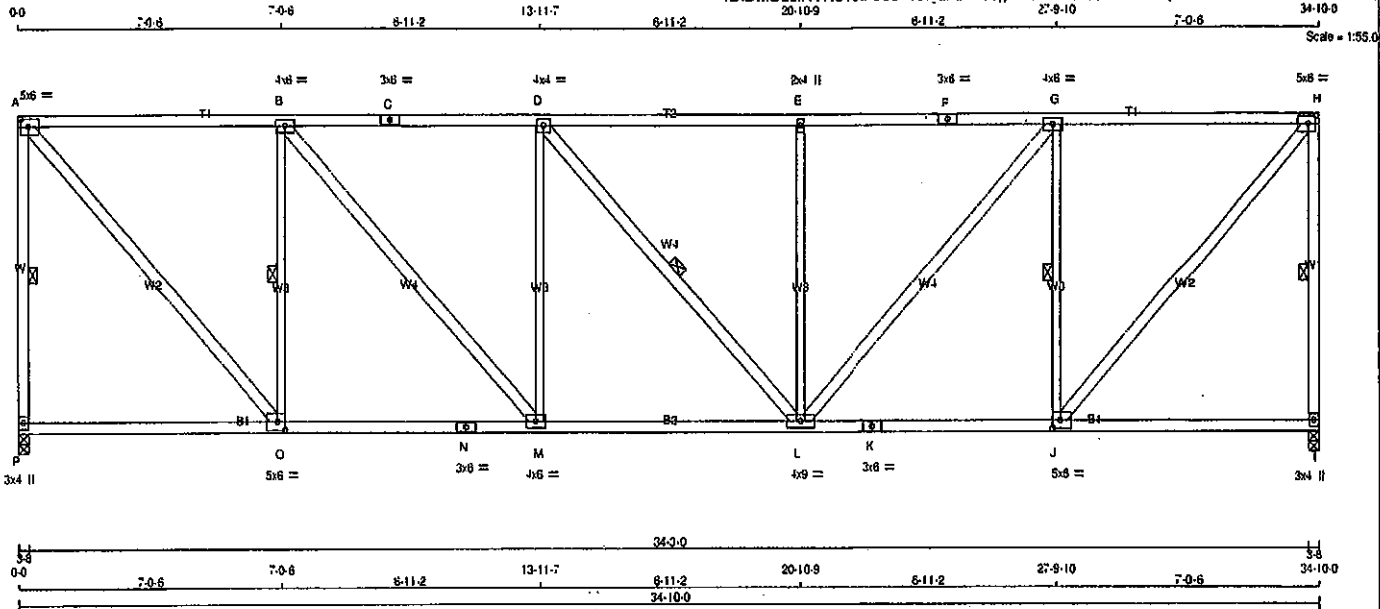
Structural component only
DWG# T-2007640

JOB NAME 408223	TRUSS NAME T30	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	ORWG NO.
TRUSS DESC.					

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoa31v6i_zns11-e3g0mokOMbs3JPPnBvPxphLb5odJb7s02rcVzZMEMX



TOTAL WEIGHT = 2 X 179 = 359 lb

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

DRY: SEASONED LUMBER.

PLATES (tables in inches)

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

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

BEARINGS		FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ	UP/LIFT
P	1920	0	1920	0	3-8
I	1920	0	1920	0	3-8

UNFACTORED REACTIONS

JT	1ST LOOSE COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
P	1358	891	0	0	0	0	0
I	1358	891	0	0	0	0	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.60 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS	
MEMB.	MAX. FORCE (LBS)	VERT. LOAD (PLF)	MAX. CS1(LC)	MEMB.	MAX. FORCE (LBS)
FR-TO		FROM	TO	FR-TO	
P-A	-1868	0	0.0	0.57 (1)	4.91
A-B	-1432	0	-91.8	-91.8	0.78 (1)
B-C	-2081	0	-91.8	-91.8	0.89 (1)
C-D	-2081	0	-91.8	-91.8	0.89 (1)
D-E	-2080	0	-91.8	-91.8	0.88 (1)
E-F	-2080	0	-91.8	-91.8	0.89 (1)
F-G	-2080	0	-91.8	-91.8	0.89 (1)
G-H	-1432	0	-91.8	-91.8	0.78 (1)
H-I	-1868	0	0.0	0.57 (1)	4.91
P-O	0	0	-18.5	-18.5	0.22 (4)
O-N	0	1432	-18.5	-18.5	0.35 (1)
N-M	0	1432	-18.5	-18.5	0.35 (1)
M-L	0	2081	-18.5	-18.5	0.42 (1)
L-K	0	1432	-18.5	-18.5	0.35 (1)
K-J	0	1432	-18.5	-18.5	0.35 (1)
J-I	0	0	-18.5	-18.5	0.22 (4)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. OC

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

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

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

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

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

CS1 TC=0.89/1.00 (E-G:1) , BC=0.42/1.00 (L-M:1) , WB=0.81/1.00 (D-M:1) , SS1=0.30/1.00 (G-I:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

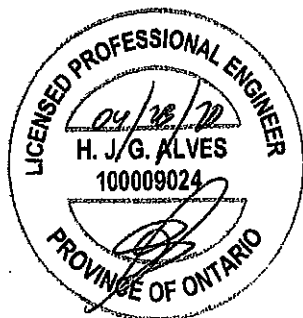
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

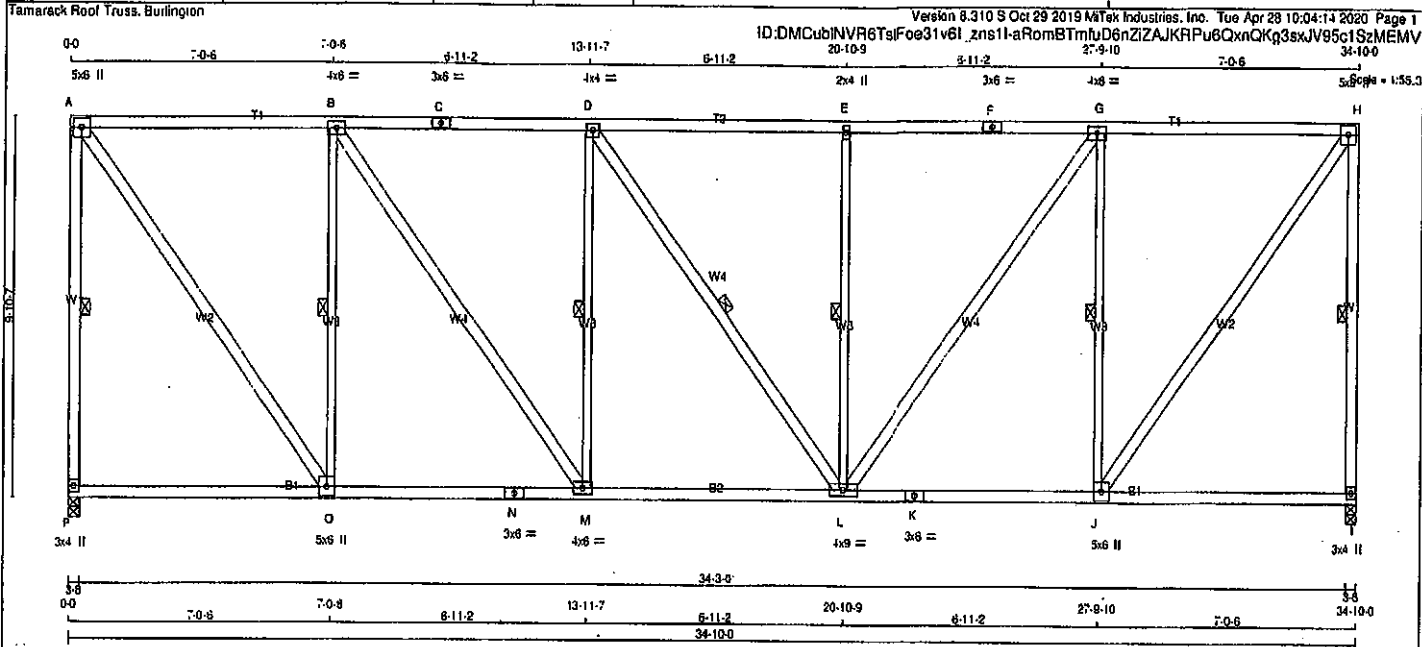
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (H) INPUT = 0.90
JSI METAL= 0.46 (K) INPUT = 1.00



Structural component only
DWG# T-2007641

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408223	T31	5	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMWV-p	MT20	5.0	8.0		
B	TMWV-1	MT20	4.0	8.0		
C	TS-1	MT20	3.0	6.0		
D	TMWV-1	MT20	4.0	4.0		
E	TMWV-w	MT20	2.0	4.0		
F	TS-1	MT20	3.0	8.0		
G	TMWV-1	MT20	4.0	6.0		
H	TMWV-p	MT20	5.0	6.0		
I	BMV1-p	MT20	3.0	4.0		
J	BMWV-1	MT20	5.0	6.0		
K	BS-1	MT20	3.0	6.0		
L	BMWV-1	MT20	4.0	9.0		
M	BMWV-1	MT20	4.0	6.0		
N	BS-1	MT20	3.0	6.0		
O	BMWV-1	MT20	5.0	6.0		
P	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
P	1920	0	1920	0
I	1920	0	1920	0

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	1358	891	0	0.0	0.0	487	0
I	1358	891	0	0.0	0.0	487	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.98 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD LC1	MAX	MAX. MEMB.	MAX. FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. (PLF)	CS1 (LC)	UNBRAC LENGTH	FR-TO	MEMB.	FORCE (LBS)	CS1 (LC)
P-A	-1888	0	0.0	0.0	0.88 (1)	A-O	0	1993
A-B	-1183	0	-91.8	-91.8	0.75 (1)	O-B	-1466	0
B-C	-1719	0	-91.8	-91.8	0.82 (1)	B-M	0	916
C-D	-1719	0	-91.8	-91.8	0.82 (1)	M-D	-817	0
D-E	-1716	0	-91.8	-91.8	0.83 (1)	D-L	-2	0
E-F	-1716	0	-91.8	-91.8	0.83 (1)	L-E	-816	0
F-G	-1716	0	-91.8	-91.8	0.83 (1)	G-L	0	913
G-H	-1183	0	-91.8	-91.8	0.75 (1)	J-G	-1465	0
H-I	-1888	0	0.0	0.0	0.88 (1)	J-H	0	2000

P-O	0	0	-18.5	-18.5	0.22 (4)	10.00
O-N	0	1183	-18.5	-18.5	0.32 (4)	10.00
N-M	0	1183	-18.5	-18.5	0.32 (4)	10.00
M-L	0	1719	-18.5	-18.5	0.36 (1)	10.00
L-K	0	1183	-18.5	-18.5	0.32 (4)	10.00
K-J	0	1183	-18.5	-18.5	0.32 (4)	10.00
J-I	0	0	-18.5	-18.5	0.22 (4)	10.00

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

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

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

CS1: TC=0.88:1.00 (H:I), BC=0.30:1.00 (L:M),
WB=0.88:1.00 (B-O:1), SS1=0.30:1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PS) (PL) (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 = 0.85 (H) (INPUT = 0.80)
JSI METAL = 0.43 (H) (INPUT = 1.00)



Structural component only
DWG# T-2007642

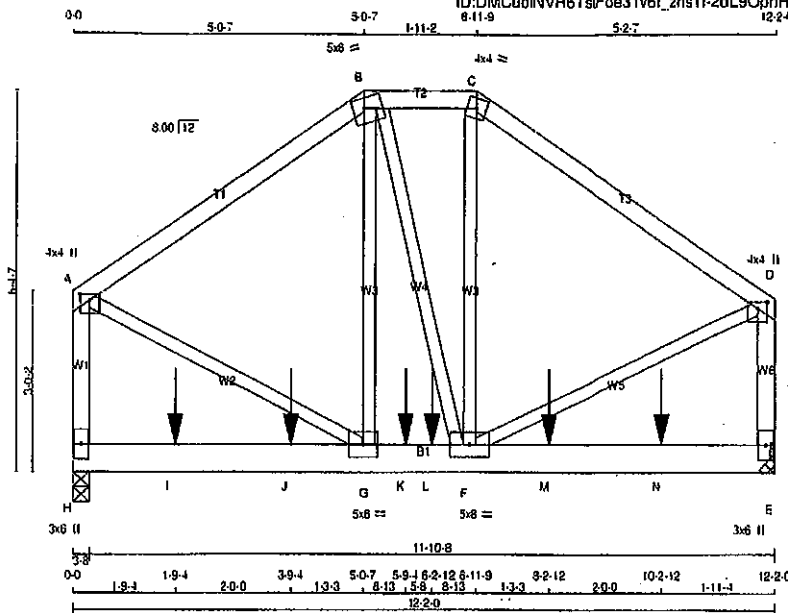
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408223	T32	1	1	TRUSS DESC		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TsFoe31v6L_zns1I-2dL9OpnHfWEeAs8Mt1yeRKzCFqhAoVATkprAauzMEMU

Scale = 1:35.6



TOTAL WEIGHT = 66 lb

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

ALL WEBS 2x3 DRY No.2 EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

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

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
H	1233	0	1233	0
E	1218	0	1218	0

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

UNFACTORED REACTIONS

JT	1ST LOASE	MAX./MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	867	508 0	0 0	0 0	0 0	271 0	0 0	0 0
E	856	508 0	0 0	0 0	0 0	268 0	0 0	0 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.77 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED	FACTORED		MEMB.	MAX. FACTORED	FACTORED	
	FORCE	VERT. LOAD LC1	MAX		FORCE	FORCE	
	(LBS)	(PLF)	CSI (LC)		(LBS)	CSI (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	-853 0	-91.8 -91.8 0.48 (1)	5.88	G-B	0 122	0.03 (1)	
B-C	-721 0	-91.8 -91.8 0.07 (1)	6.25	B-F	0 34	0.01 (1)	
C-D	-884 0	-91.8 -91.8 0.51 (1)	5.77	F-C	0 154	0.04 (1)	
H-A	-1065 0	0.0 0.0 0.17 (1)	7.60	A-G	0 795	0.20 (1)	
E-D	-1057 0	0.0 0.0 0.18 (1)	7.83	F-D	0 794	0.20 (1)	
H-I	0 0	-18.5 -18.5 0.20 (1)	10.00				
I-J	0 0	-18.5 -18.5 0.20 (1)	10.00				
J-G	0 0	-18.5 -18.5 0.20 (1)	10.00				
G-K	0 711	-18.5 -18.5 0.28 (1)	10.00				
K-L	0 711	-18.5 -18.5 0.28 (1)	10.00				
L-F	0 711	-18.5 -18.5 0.28 (1)	10.00				
F-M	0 0	-18.5 -18.5 0.20 (1)	10.00				
M-N	0 0	-18.5 -18.5 0.20 (1)	10.00				
N-E	0 0	-18.5 -18.5 0.20 (1)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX	FACE	DIR.	TYPE	HEEL	CONN.
I	1-9-4	-172	-172	---	BACK	VERT	---	C1
J	3-9-4	-195	-195	---	BACK	VERT	---	C1
K	5-9-4	-187	-187	---	BACK	VERT	---	C1
L	5-2-12	-187	-187	---	BACK	VERT	---	C1
M	5-2-12	-195	-195	---	BACK	VERT	---	C1
N	10-2-12	-172	-172	---	BACK	VERT	---	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 = 23.0 IN. CG

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

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

THIS DESIGN COMPLIES WITH:

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

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

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

CSI: TC=0.51 (0.00 (G-D)), BC=0.28 (1.00 (F-G)), WS=0.20 (1.00 (A-G)), SS=0.20 (1.00 (E-F))

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/RY	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
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 = 0.78 (D) (INPUT = 0.90)
JSI METAL = 0.23 (D) (INPUT = 1.00)



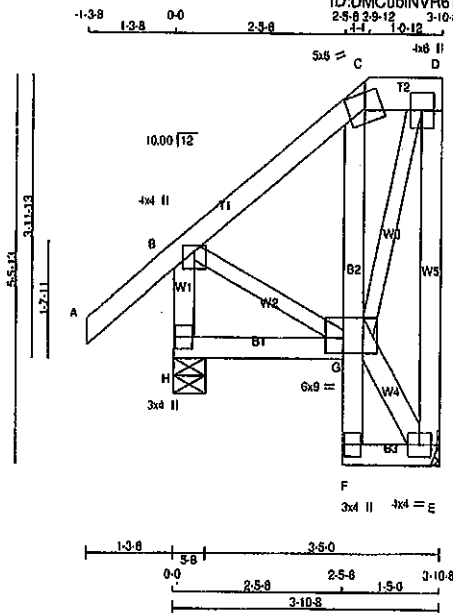
Structural component only
DWG# T-2007643

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

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6l_zns1l-WqvXc9ovQqMVooIZZKUIzXVSIE5FX7yozTaj6KzMEMT



Scale = 1:30.1

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

DRY: SEASONED LUMBER.

PLATES (tablets in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	ITV-m	MT20	5.0	8.0		
D	TMVW+p	MT20	4.0	8.0		
E	BMVW+1	MT20	4.0	4.0		
F	BMV+p	MT20	3.0	4.0		
G	BMVWW+1	MT20	6.0	9.0	2.50	3.00
H	BMV+p	MT20	3.0	4.0		

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

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

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

UNFACTORED REACTIONS

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

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS	MEMB.	MAX. FACTORED	VERT. LOAD	LC1	MAX.	MAX.	UNBRAC	FR-TO	MEMB.	MAX. FACTORED	VERT. LOAD	LC1	MAX.	MAX.	UNBRAC	FR-TO
A-B	0	41	-91.8	-91.8	0.14	(5)	10.00	G-E	0	53	0.00	(1)				
B-C	-82	0	-91.8	-91.8	0.12	(1)	8.25	B-G	0	53	0.01	(1)				
C-D	-51	0	-91.8	-91.8	0.01	(1)	8.25	G-D	0	154	0.03	(1)				
E-D	-197	0	0.0	0.0	0.10	(1)	7.81									
H-B	-317	0	0.0	0.0	0.03	(1)	7.81									
H-G	0	0	-18.5	-18.5	0.04	(4)	10.00									
F-G	0	13	0.0	0.0	0.01	(1)	10.00									
G-C	-138	0	0.0	0.0	0.01	(1)	7.81									
F-E	0	4	-18.5	-18.5	0.01	(4)	10.00									

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

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

SPACING = 24.0 IN. 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 2010
- PART 9 OF OBC 2012 (2018 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

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

CSI: TC=0.14:1.00 (A-B-S), BC=0.04:1.00 (G-H-I), WB=0.03:1.00 (D-G-I), SSI=0.09:1.00 (A-B-S)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

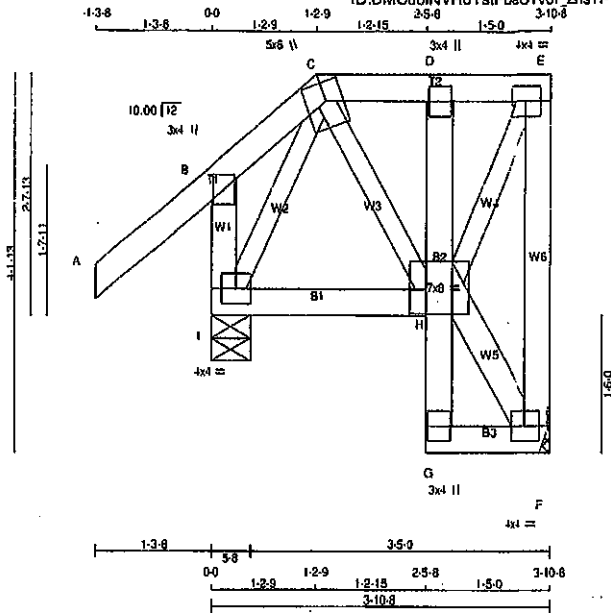
JSI GRIP= 0.24 (B) (INPUT = 0.90)
JSI METAL= 0.06 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007644

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408223	T35S	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		Version 8.310 S Oct 29 2019 MTEK Industries, Inc. Tue Apr 26 10:04:17 2020 Page 1			

ID:DMCubINVR6TsIFos31v6I_zns11-OTvpVoXB8UMQAH_S?6W2dVdRQGSEmC7KGenzMEMS



TOTAL WEIGHT = 2 X 29 = 57 lb

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

DRY: SEASONED LUMBER.

PLATES (table in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVp	MT20	3.0	4.0	
C	TTWV.m	MT20	5.0	6.0	2.50 2.25
D	TMVp	MT20	3.0	4.0	
E	TMVW.t	MT20	4.0	4.0	
F	BMVW1-1	MT20	4.0	4.0	
G	BMVp	MT20	3.0	4.0	
H	BMVWW1-1	MT20	7.0	8.0	3.25 2.25
I	BMVW1-1	MT20	4.0	4.0	

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

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
GROSS REACTION		DOWN		BRG		BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
F	191	0	191	0	0	MECHANICAL	
I	363	0	363	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	SOIL
F	135	86	0	0	0	49	0
I	254	183	0	0	0	72	0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 6.25 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 41	-91.8 -91.8	0.14 (5)	10.00	H-F	-6 0	0.00 (1)
B-C	-45 0	-91.8 -91.8	0.14 (5)	6.25	H-E	0 141	0.03 (1)
C-D	-69 0	-91.8 -91.8	0.02 (1)	6.25	C-H	0 46	0.01 (1)
D-E	-67 0	-91.8 -91.8	0.02 (1)	6.25	I-C	-96 28	0.02 (1)
F-E	-175 0	0 0	0.05 (1)	7.81			
I-B	-255 0	0 0	0.03 (1)	7.81			
I-H	-13 45	-18.5 -18.5	0.04 (4)	8.25			
G-H	0 13	0 0	0.01 (1)	10.00			
H-D	-135 0	0 0	0.01 (1)	7.81			
G-F	0 4	-18.5 -18.5	0.01 (4)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

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

CSI: TC=0.14-1.00 (A-B:5), BC=0.04-1.00 (H-I:4), WB=0.03-1.00 (E-H:1), SSI=0.09-1.00 (A-B:5)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

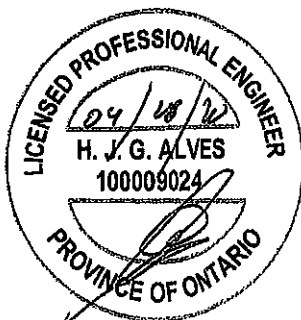
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.18 (EI) INPUT = 0.99
JSI METAL= 0.09 (BI) INPUT = 1.00



Structural component only
DWG# T-2007645

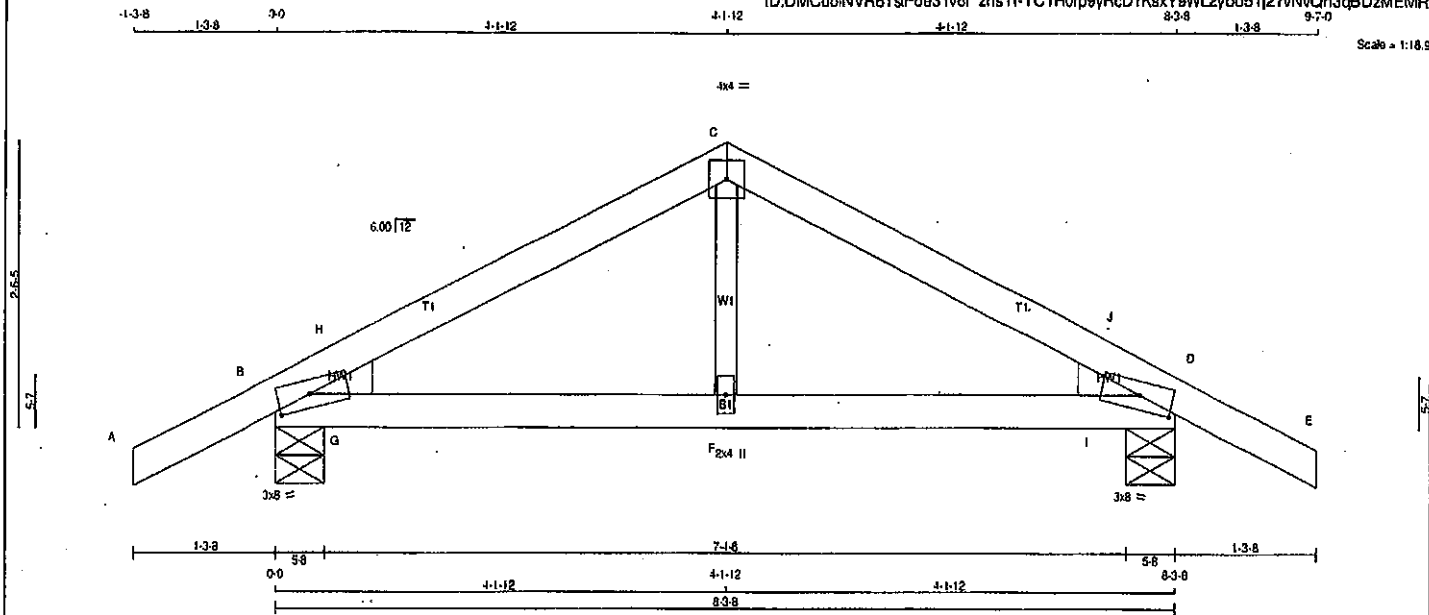
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408223	T36	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TsF0e31v6l zns11-TC1H0p9yRcD1KaxY9WL2ybo51j27vNvQn3q8DzMEMR

Scale = 1:18.9



TOTAL WEIGHT = 3 X 27 = 81 lb (M/F)

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		
B - D	2x4	DRY	No.2	SPF		
ALL WEBS	2x3	DRY	No.2	SPF		
DRY: SEASONED LUMBER.						

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD	HEEL
	GROSS REACTION	GROSS REACTION	BRG	BRG	WEDGE
	VERT	DOWN	HORZ	IN-SX	IN-SX
JT	582	0	0	5-8	5-8
B	582	0	0	5-8	5-8
D	582	0	0	5-8	5-8

UNFACTORED REACTIONS

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

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

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

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF 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 (0.28")

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

ALLOWABLE DEFL.(TL) = L/360 (0.28")

CALCULATED VERT. DEFL.(TL) = L/999 (0.02")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)	(PL)
MT20	818	354	1687

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

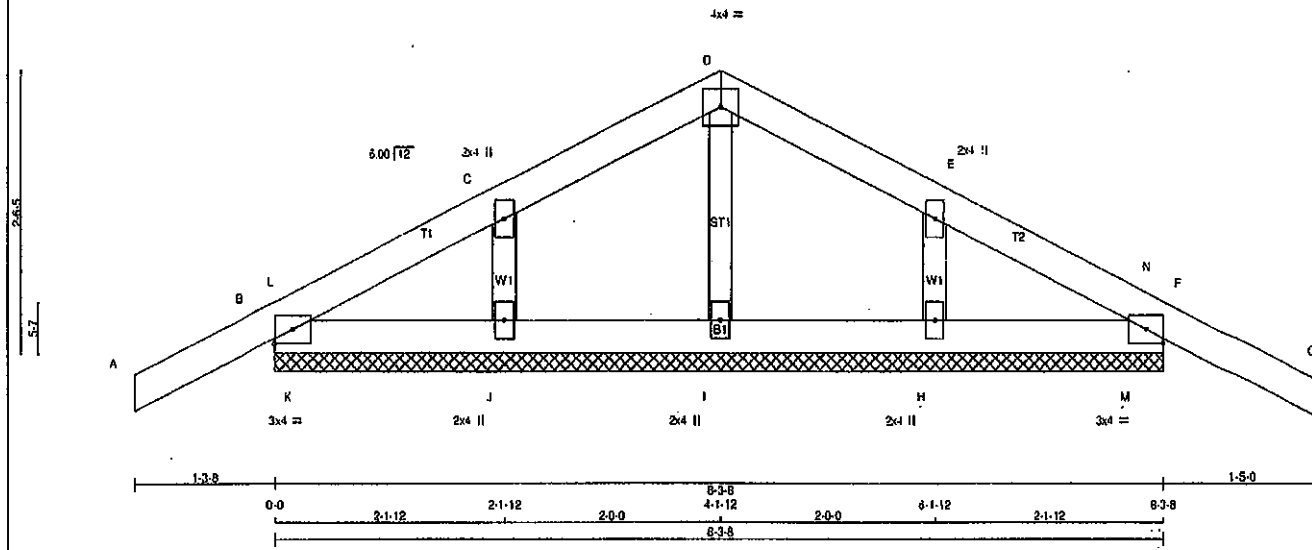


Structural component only
DWG# T-2007646

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

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ID:DMCubINVR6TslFoe31v6I_zns1i-pdnKxwTznXyK3i8MLaVXNrrubLi5ioKemmYnfPzMEMu
9-1-12 2-1-12 8-3-8 9-5-5

Scale = 1:19.1



TOTAL WEIGHT = 27 b

LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	DRY	LUMBER
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
B - F	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
ALL GABLE WEBS	2x3	DRY	No.2
DRY: SEASONED LUMBER.			
GABLE STUDS SPACED AT 2-0-0 OC.			

PLATES (table in inches)				
JT	TYPE	PLATES	W	LEN Y X
B	TMB1-I	MT20	3.0	4.0 Edge
C	TMB1-W	MT20	2.0	4.0
D	TTW-p	MT20	4.0	4.0
E	TMB1-W	MT20	2.0	4.0
F	TMB1-I	MT20	3.0	4.0 Edge
H, I, J				
H	BMW1-W	MT20	2.0	4.0

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

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

BEARINGS

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)
FR-TO		FROM TO		FR-TO		FROM TO	
A-B	0 23	-91.8 -91.8 0.12 (1)	10.00	I-D	-115 0	0.02 (1)	
B-L	-61 0	-91.8 -91.8 0.01 (4)	6.25	J-C	-218 0	0.03 (1)	
L-C	-39 0	-91.8 -91.8 0.06 (1)	6.25	H-E	-218 0	0.03 (1)	
C-D	-45 0	-91.8 -91.8 0.06 (1)	6.25	K-L	-52 7	0.00 (1)	
D-E	-45 0	-91.8 -91.8 0.06 (1)	6.25	M-N	-52 7	0.00 (1)	
E-N	-39 0	-91.8 -91.8 0.06 (1)	6.25				
N-F	-61 0	-91.8 -91.8 0.01 (4)	6.25				
F-G	0 25	-91.8 -91.8 0.14 (1)	10.00				
B-K	0 44	-18.5 -18.5 0.03 (1)	10.00				
K-J	0 44	-18.5 -18.5 0.03 (1)	10.00				
J-I	0 32	-18.5 -18.5 0.02 (1)	10.00				
I-H	0 32	-18.5 -18.5 0.02 (1)	10.00				
H-M	0 44	-18.5 -18.5 0.03 (1)	10.00				
M-F	0 44	-18.5 -18.5 0.03 (1)	10.00				

DESIGN CRITERIA

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

SPACING = 24.0 IN. OC

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

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

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

CS1: TC=0.14/1.00 (F-G:1) , 6C=0.03/1.00 (H-M:1) , WB=0.03/1.00 (E-H:1) , SSI=0.10/1.00 (F-G:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSH) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1636

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

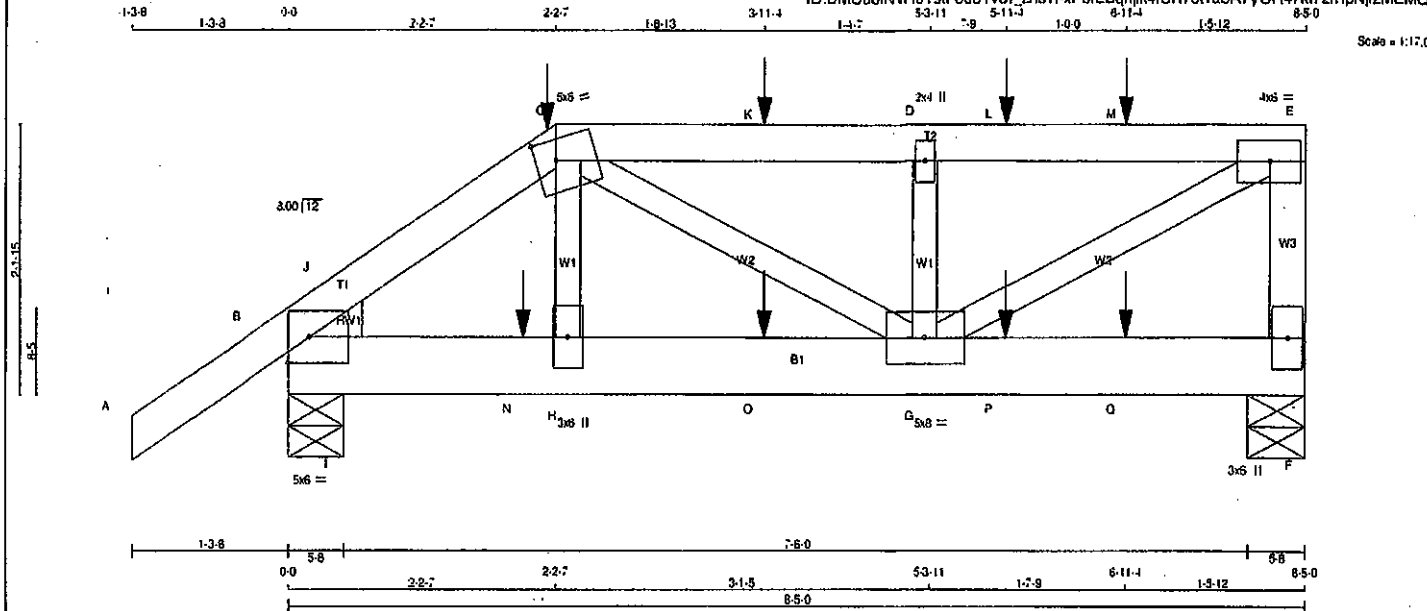


Structural component only
DWG# T-2007621

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408223	IT37	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v61_zns11-xPbIEBqjlk4UR76t1abA7yUR47k172RpnJfzMEMCQ



TOTAL WEIGHT = 37 k (M)

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	
B - F	2x6	DRY	No.2	SPF	
ALL WEBS		2x3	DRY	No.2	SPF
DRY: SEASONED LUMBER.					

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMBH-1	MT20	5.0	8.0		Edge
C	TTWW-m	MT20	5.0	8.0	2.00	2.00
D	TMW-w	MT20	2.0	4.0		
E	TMW-w	MT20	4.0	6.0		
F	BMV1-p	MT20	3.0	6.0		
G	BMVWW-1	MT20	5.0	8.0		
H	BMV-w	MT20	3.0	6.0		

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG	HEEL WEDGE
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
F	537	352	0	0	0
B	823	0	823	0	0

UNFACTORED REACTIONS

1ST CASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT	COMBINED					
F	537	352	0	0	0	0
B	580	392	0	0	188	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. CS1 (LC1)	MAX. UNBRAC LENGTH	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
MEMB.	FR-TO	FROM TO			MEMB.	FR-TO	
A-B	0 26	-91.8	-91.8	0.13 (1)	H-C	0 73	0.02 (4)
B-J	-1068 0	-91.8	-91.8	0.08 (1)	C-G	0 252	0.06 (1)
J-C	-880 0	-91.8	-91.8	0.08 (1)	G-D	-528 0	0.09 (1)
C-K	-923 0	-91.8	-91.8	0.24 (1)	D-E	0 1062	0.28 (1)
K-D	-923 0	-91.8	-91.8	0.24 (1)	E-I	0 207	0.00 (1)
D-L	-924 0	-91.8	-91.8	0.24 (1)			
L-M	-924 0	-91.8	-91.8	0.24 (1)			
M-E	-924 0	-91.8	-91.8	0.24 (1)			
F-E	-682 0	0.0	0.0	0.08 (1)			
B-I	0 701	-18.5	-18.5	0.14 (1)			
I-N	0 701	-18.5	-18.5	0.14 (1)			
N-H	0 701	-18.5	-18.5	0.14 (1)			
H-O	0 705	-18.5	-18.5	0.15 (1)			
O-G	0 705	-18.5	-18.5	0.15 (1)			
G-P	0 0	-18.5	-18.5	0.07 (1)			
P-Q	0 0	-18.5	-18.5	0.07 (1)			
Q-F	0 0	-18.5	-18.5	0.07 (1)			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
O	2-2-7	-88	-88	FRONT	VERT	TOTAL	...	C1
K	3-11-4	-83	-83	FRONT	VERT	TOTAL	...	C1
L	5-11-4	-83	-83	FRONT	VERT	TOTAL	...	C1
M	6-11-4	-83	-83	FRONT	VERT	TOTAL	...	C1
N	1-11-4	-48	-48	FRONT	VERT	TOTAL	...	C1
O	3-11-4	-48	-48	FRONT	VERT	TOTAL	...	C1
P	5-11-4	-48	-48	FRONT	VERT	TOTAL	...	C1
Q	6-11-4	-48	-48	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 = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, 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 (0.28")
CALCULATED VERT. DEFL.(LL) = L/989 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.28")
CALCULATED VERT. DEFL.(TL) = L/989 (0.03")

CS1: TC=0.24/1.00 (D-E:1), BC=0.15/1.00 (G-H:1),
WB=0.26/1.00 (E-G:1), SS1=0.25/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

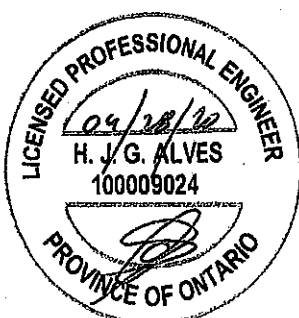
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



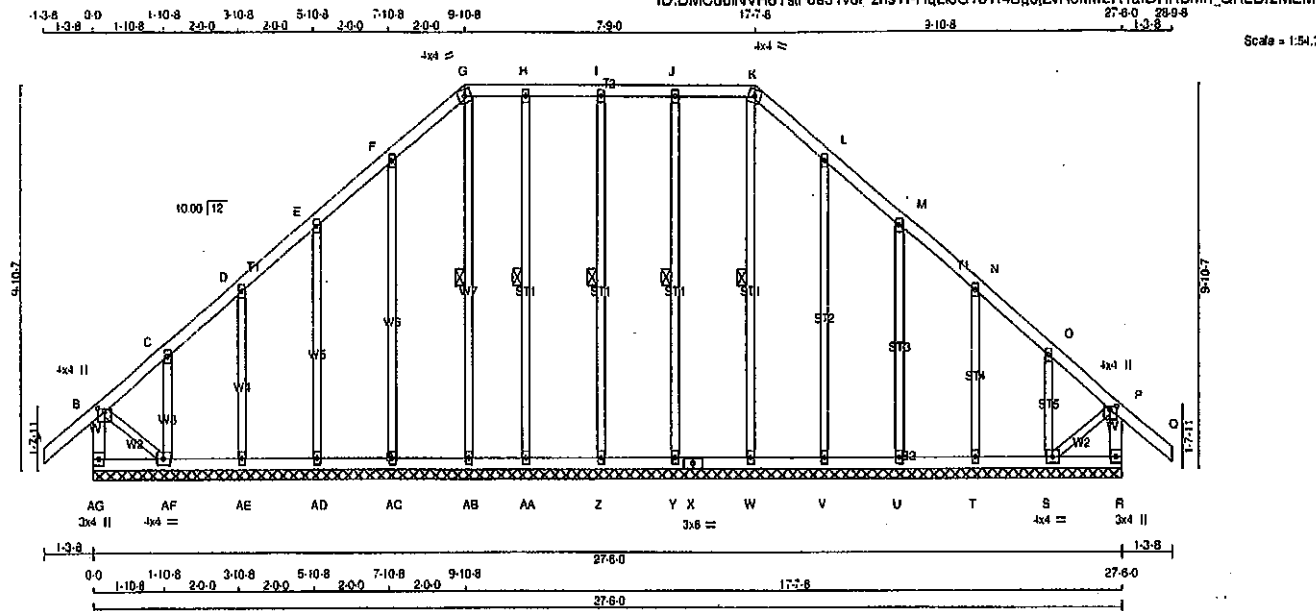
Structural component only
DWG# T-2007647

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408223	G39	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TslFoe31v6l zns11-HqL8G7bYr4Bq0ZvH0mw2R1a1DRRBmn_QHLBrzMEME



TOTAL WEIGHT = 2 X 152 = 303 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
AG - B	2x4	DRY	No. 2	SPF	
A - G	2x4	DRY	No. 2	SPF	
G - K	2x4	DRY	No. 2	SPF	
K - Q	2x4	DRY	No. 2	SPF	
R - P	2x4	DRY	No. 2	SPF	
AG - X	2x4	DRY	No. 2	SPF	
X - R	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.			

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF K-W, J-Y, I-Z, H-AA, G-AB.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LBS)	LC1 MAX UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LBS)	
FR-TO		FROM TO			FR-TO			
AG-B	-292 0	0.0	0.0	0.03 (1)	7.81	W-K	-140 0	0.09 (1)
A-B	0 41	-91.8	-91.8	0.13 (1)	10.00	Y-J	-210 0	0.14 (1)
B-C	-60 0	-91.8	-91.8	0.12 (1)	6.25	Z-I	-181 0	0.12 (1)
C-D	-23 0	-91.8	-91.8	0.05 (1)	6.25	AA-H	-182 0	0.12 (1)
D-E	-26 0	-91.8	-91.8	0.05 (1)	6.25	V-L	-203 0	0.27 (1)
E-F	-19 0	-91.8	-91.8	0.05 (1)	6.25	U-M	-175 0	0.13 (1)
F-G	-29 0	-91.8	-91.8	0.05 (1)	6.25	T-N	-192 0	0.07 (1)
G-H	-12 0	-91.8	-91.8	0.04 (1)	6.25	S-O	-126 0	0.02 (1)
H-I	-12 0	-91.8	-91.8	0.04 (1)	6.25	AB-G	-121 0	0.08 (1)
I-J	-12 0	-91.8	-91.8	0.05 (1)	6.25	AC-F	-202 0	0.27 (1)
J-K	-12 0	-91.8	-91.8	0.05 (1)	6.25	AD-E	-176 0	0.13 (1)
K-L	-30 0	-91.8	-91.8	0.05 (1)	6.25	AE-D	-192 0	0.07 (1)
L-M	-19 0	-91.8	-91.8	0.05 (1)	6.25	AF-C	-126 0	0.02 (1)
M-N	-26 0	-91.8	-91.8	0.05 (1)	6.25	BAF	0 32	0.01 (1)
N-O	-24 0	-91.8	-91.8	0.05 (1)	6.25	S-P	0 32	0.01 (1)
O-P	-60 0	-91.8	-91.8	0.12 (1)	6.25			
P-Q	0 41	-91.8	-91.8	0.13 (1)	10.00			
R-P	-293 0	0.0	0.0	0.03 (1)	7.81			
AG-AF	0 0	-18.5	-18.5	0.02 (4)	10.00			
AF-AE	0 23	-18.5	-18.5	0.02 (4)	10.00			
AE-AD	0 19	-18.5	-18.5	0.02 (4)	10.00			
AD-AC	0 16	-18.5	-18.5	0.02 (4)	10.00			
AC-AB	0 14	-18.5	-18.5	0.02 (4)	10.00			
AB-AA	0 12	-18.5	-18.5	0.01 (4)	10.00			
AA-Z	0 12	-18.5	-18.5	0.02 (4)	10.00			
Z-Y	0 12	-18.5	-18.5	0.02 (4)	10.00			
Y-X	0 12	-18.5	-18.5	0.02 (4)	10.00			
X-W	0 12	-18.5	-18.5	0.02 (4)	10.00			
W-V	0 14	-18.5	-18.5	0.02 (4)	10.00			
V-U	0 16	-18.5	-18.5	0.02 (4)	10.00			
U-T	0 19	-18.5	-18.5	0.02 (4)	10.00			
T-S	0 23	-18.5	-18.5	0.02 (4)	10.00			
S-R	0 0	-18.5	-18.5	0.02 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

CSI: TC=0.13:1.00 (P-O:1), BC=0.02:1.00 (S-T:4), WB=0.27 1.00 (L-V:1), SS=0.09:1.00 (J-K:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

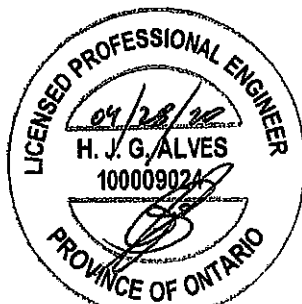
MT20 618 354 1687 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

JSI METAL= 0.11 (L) (INPUT = 1.00)



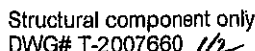
Structural component only
DWG# T-2007622

DRWG NO.

ID:DMCub|NVR6Ts|Foe31v6| zns1|-TsGG5wA9pwy Bd8P2lsXcz APYAIVTa7LN10dlzME7m



JSI GRIP= 0.56 (R) (INPUT = 0.90)
JSI METAL= 0.56 (P) (INPUT = 1.00)



CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	T40	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				Version 8.310 S Oct 29 2019 MTEK Industries, Inc. Tue Apr 28 10:19:57 2020 Page 2	
				ID:DMCubINVR0TsIF0s31v6L zns1L-TsGG5wA9pyw B08P2tsXGz APYAIVTa7LN10dlzME7m	

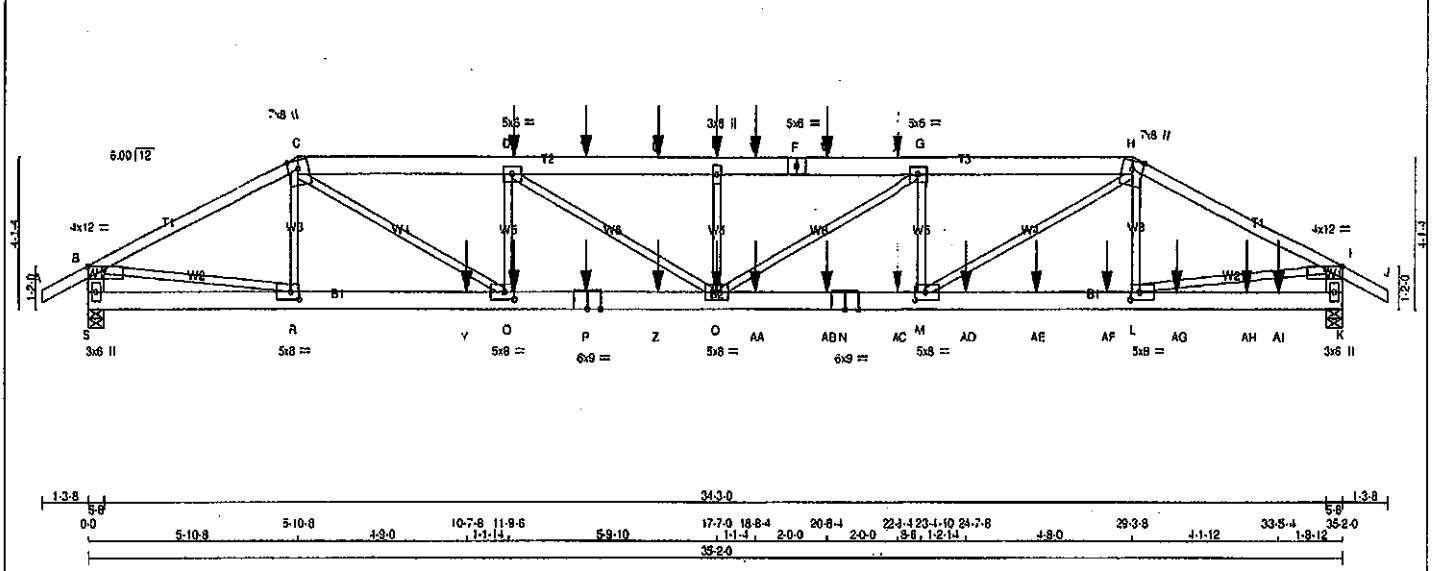
PLATES (table is in inches)					FACTORED CONCENTRATED LOADS (LBS)											
JT	TYPE	PLATES	W	LEN	Y	X	JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
B	TMVW-p	MT20	4.0	12.0	1.00	5.50	E	17-7-0	-110	-110	---	FRONT	VERT	TOTAL	---	C1
C	TTWW+m	MT20	7.0	8.0	Edge		G	23-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
D	TMVW-l	MT20	5.0	6.0			H	29-3-8	-429	-429	---	FRONT	VERT	TOTAL	---	C1
E	TMVW+w	MT20	3.0	6.0			L	29-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
F	TS-l	MT20	5.0	6.0			M	23-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
G	TMVW-l	MT20	5.0	6.0			N	21-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
H	TTWW+m	MT20	7.0	8.0	Edge		O	17-7-0	-26	-26	---	FRONT	VERT	TOTAL	---	C1
I	TMVW-p	MT20	4.0	12.0	1.00	5.50	P	13-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
K	BMVW-l	MT20	3.0	6.0			Q	11-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
L	BMVW-l	MT20	5.0	8.0	2.50	3.00	R	5-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
M	BMVW-l	MT20	5.0	8.0	2.50	3.25	T	7-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
N	BS-l	MT20	6.0	9.0			U	9-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
O	BMVW-l	MT20	5.0	8.0			V	13-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
P	BS-l	MT20	6.0	9.0			W	15-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Q	BMVW-l	MT20	5.0	8.0	2.50	3.25	X	19-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
R	BMVW-l	MT20	5.0	8.0	2.50	3.00	Y	21-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
S	BMVW-l	MT20	3.0	6.0			Z	25-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.							AA	27-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
							AB	1-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
							AC	3-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
							AD	7-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
							AE	9-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
							AF	15-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
							AG	19-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
							AH	25-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
							AI	27-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
							AJ	31-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
							AK	33-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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



Structural component only
DWG# T-2007660



LUMBER

N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - F	2x6	DRY	No.2	SPF	
F - H	2x6	DRY	No.2	SPF	
H - J	2x4	DRY	No.2	SPF	
S - B	2x6	DRY	No.2	SPF	
K - I	2x6	DRY	No.2	SPF	
S - P	2x6	DRY	1650F 1.5E	SPF	
P - N	2x8	DRY	1650F 1.5E	SPF	
N - K	2x8	DRY	1650F 1.5E	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	12	TOP
H - J	12	TOP
C - F	12	SIDE(183.1)
F - H	12	SIDE(0.0)
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(183.1)
N - K	12	SIDE(0.0)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	8	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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 4181	0	0	5-8
S	VERT 5042	0	0	5-8
K	VERT 5042	0	0	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
S	2836 1985 0 0 0 0 0 970 0 0 0
K	3552 2409 0 0 0 0 0 1143 0 0 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.95 FT.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS			WEBS		
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO	0	28	FR-TO	0	470
A-B	-6650	-91.8	R-C	0	5609
B-C	-10735	-91.8	C-Q	0	-1678
C-D	-12119	-91.8	D-O	0	1638
D-E	-12119	-91.8	O-G	0	-828
E-F	-12119	-91.8	G-H	0	5832
F-G	-12119	-91.8	H-I	0	57
G-H	-12119	-91.8	I-J	0	8014
H-I	-12119	-91.8	J-K	0	7274
I-J	-12119	-91.8	K-L	0	0
J-K	-12119	-91.8	L-M	0	0
K-L	-12119	-91.8	M-N	0	0
L-M	-12119	-91.8	N-O	0	0
M-N	-12119	-91.8	O-P	0	0
N-O	-12119	-91.8	P-Q	0	0
O-P	-12119	-91.8	Q-R	0	0
P-Q	-12119	-91.8	R-S	0	0
Q-R	-12119	-91.8	S-T	0	0
R-S	-12119	-91.8	T-U	0	0
S-T	-12119	-91.8	U-V	0	0
T-U	-12119	-91.8	V-W	0	0
U-V	-12119	-91.8	W-X	0	0
V-W	-12119	-91.8	X-Y	0	0
W-X	-12119	-91.8	Y-Z	0	0
X-Y	-12119	-91.8	Z-AA	0	0
Y-Z	-12119	-91.8	AA-AB	0	0
Z-AA	-12119	-91.8	AB-AC	0	0
AA-AB	-12119	-91.8	AC-AD	0	0
AB-AC	-12119	-91.8	AD-AE	0	0
AC-AD	-12119	-91.8	AE-AF	0	0
AD-AE	-12119	-91.8	AF-AG	0	0
AE-AF	-12119	-91.8	AG-AH	0	0
AF-AG	-12119	-91.8	AH-AI	0	0
AG-AH	-12119	-91.8	AI-AJ	0	0
AH-AI	-12119	-91.8	AJ-AK	0	0
AI-AJ	-12119	-91.8			
AJ-AK	-12119	-91.8			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
D	11-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
E	17-7-0	-110	-110	---	BACK	VERT	TOTAL	---	C1
O	17-7-0	-28	-28	---	BACK	VERT	TOTAL	---	C1
P	13-11-4	-28	-28	---	BACK	VERT	TOTAL	---	C1

TOTAL WEIGHT = 2 X 169 = 338 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

DL = 6.0 PSF

BOY CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN./C/C

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

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

THIS DESIGN COMPLIES WITH:

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

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

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

CALCULATED VERT. DEFL.(LL) = L/999 (0.32')

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

CALCULATED VERT. DEFL.(TL) = L/718 (0.59')

CSI: TC=0.81, 1.00 (H:1), BC=0.71, 1.00 (M:0.11)

WS=0.90, 1.00 (L:1), SSI=0.84, 1.00 (L:M:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00

COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

MT20 618 354 1887 788 1987 1858

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

JSI METAL = 0.93 (P) (INPUT = 1.00)

Continued on page 2



Structural component only

DWG# T-2007661

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

Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 MTEK Industries, Inc. Tue Apr 28 10:19:58 2020 Page 2

ID:DMCubINVR6TsIFoe3iv6L zns1l-x2qeJGBoaF2pnibcaNm9BWHeyQ8EpcGa1mZakzME7I

PLATES (table is in inches)

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

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

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
Q	11-11-4	-28	-28	---	BACK	VERT	TOTAL	---	C1
T	13-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
U	15-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
V	18-8-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
W	20-8-4	-159	-159	---	BACK	VERT	TOTAL	---	C1
X	22-8-4	-159	-159	---	BACK	VERT	TOTAL	---	C1
Y	10-7-8	-1171	-1171	---	BACK	VERT	TOTAL	---	C1
Z	15-11-4	-28	-28	---	BACK	VERT	TOTAL	---	C1
AA	18-8-4	-28	-28	---	BACK	VERT	TOTAL	---	C1
AB	20-8-4	-32	-32	---	BACK	VERT	TOTAL	---	C1
AC	22-8-4	-32	-32	---	BACK	VERT	TOTAL	---	C1
AD	24-7-8	-2237	-2237	---	BACK	VERT	TOTAL	---	C1
AE	28-8-12	-121	-121	---	BACK	VERT	TOTAL	---	C1
AF	28-8-12	-121	-121	---	BACK	VERT	TOTAL	---	C1
AG	30-8-12	-121	-121	---	BACK	VERT	TOTAL	---	C1
AH	32-8-12	-121	-121	---	BACK	VERT	TOTAL	---	C1
AI	33-5-4	-121	-121	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

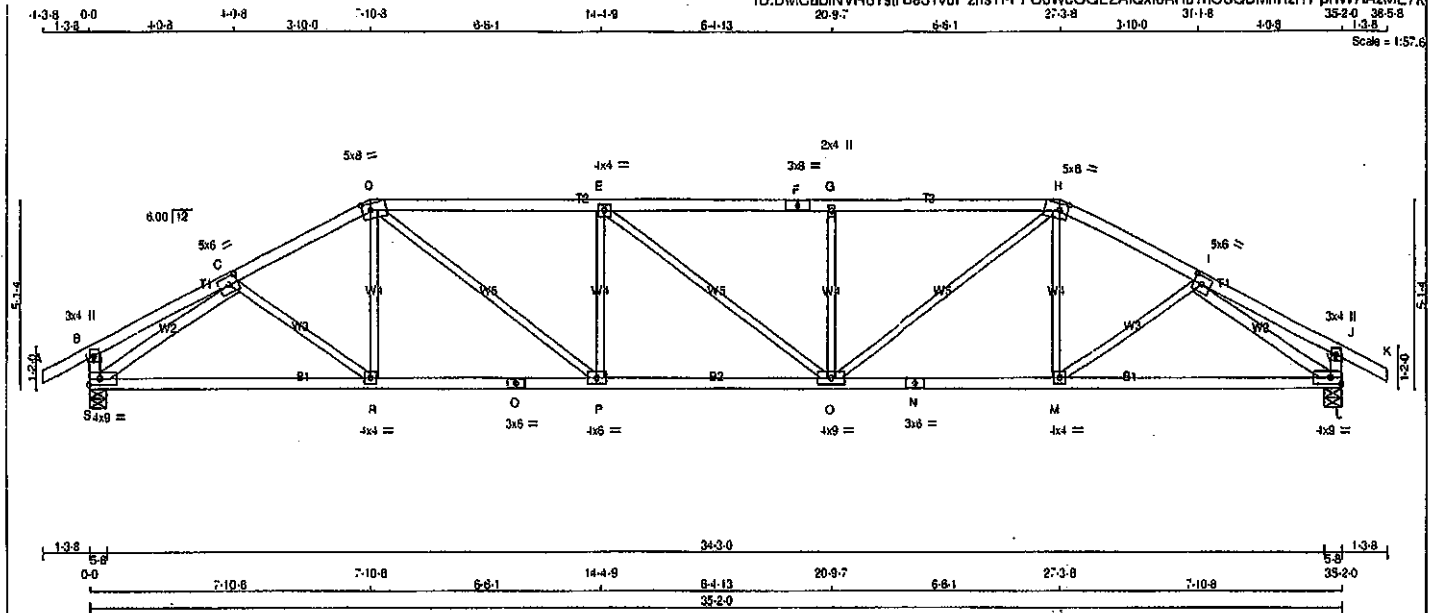


Structural component only
DWG# T-2007661 7/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	T41	2	1	GREEN PARK HOMES	
TRUSS DESC.					

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 2 X 139 = 278 lb

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

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
B	TMV-p	MT20	3.0	4.0
C	TMVW-t	MT20	5.0	6.0 2.50 2.75
D	TTVW-m	MT20	5.0	8.0 2.25 2.75
E	TMVW-t	MT20	4.0	4.0
F	TS-t	MT20	3.0	8.0
G	TMVW-w	MT20	2.0	4.0
H	TTVW-m	MT20	5.0	8.0 2.25 2.75
I	TMVW-t	MT20	5.0	6.0 2.50 2.75
J	TMV-p	MT20	3.0	4.0
L	BMVW-t	MT20	4.0	9.0 Edge
M	BMVW-t	MT20	4.0	4.0
N	BS-t	MT20	3.0	6.0
O	BMVW-t	MT20	4.0	9.0
P	BMVW-t	MT20	4.0	6.0
Q	BS-t	MT20	3.0	6.0
R	BMVW-t	MT20	4.0	4.0
S	BMVW-t	MT20	4.0	9.0 Edge
Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.				

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

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

UNFACTORED REACTIONS		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
S	1457	889 0	0 0	0 0	0 0	488 0	0 0
L	1457	889 0	0 0	0 0	0 0	488 0	0 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.94 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING			
TOTAL LOAD CASES: (4)			
CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO	FROM TO	FR-TO	FROM TO
A-B	0 28	C-R	0 93
B-C	0 16	D-P	0 121
C-D	-2799 0	E-O	0 1267
D-E	-3508 0	F-H	-643 0
E-F	-3507 0	G-I	-2 0
F-G	-3507 0	H-J	-643 0
G-H	-3507 0	I-K	0 1268
H-I	-2799 0	J-L	0 93
I-J	0 16	K-M	0 121
J-K	0 28	L-N	-2974 0
K-L	-270 0	M-O	-2974 0
L-M	-270 0	N-P	0 93
M-N	0 2417	O-Q	-18.5 -18.5 0.53 (1)
N-O	0 2489	P-R	-18.5 -18.5 0.54 (1)
O-P	0 2489	Q-S	-18.5 -18.5 0.54 (1)
P-Q	0 3509	R-T	-18.5 -18.5 0.84 (1)
Q-R	0 2489	S-U	-18.5 -18.5 0.54 (1)
R-S	0 2489	T-V	-18.5 -18.5 0.54 (1)
S-T	0 2417	U-W	-18.5 -18.5 0.53 (1)

DESIGN CRITERIA

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

SPACING = 24.0 IN. O/C

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

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

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

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

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

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

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (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 = 0.89 (L) (INPUT = 0.90)
JSI METAL = 0.77 (N) (INPUT = 1.00)



Structural component only
DWG# T-2007662

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

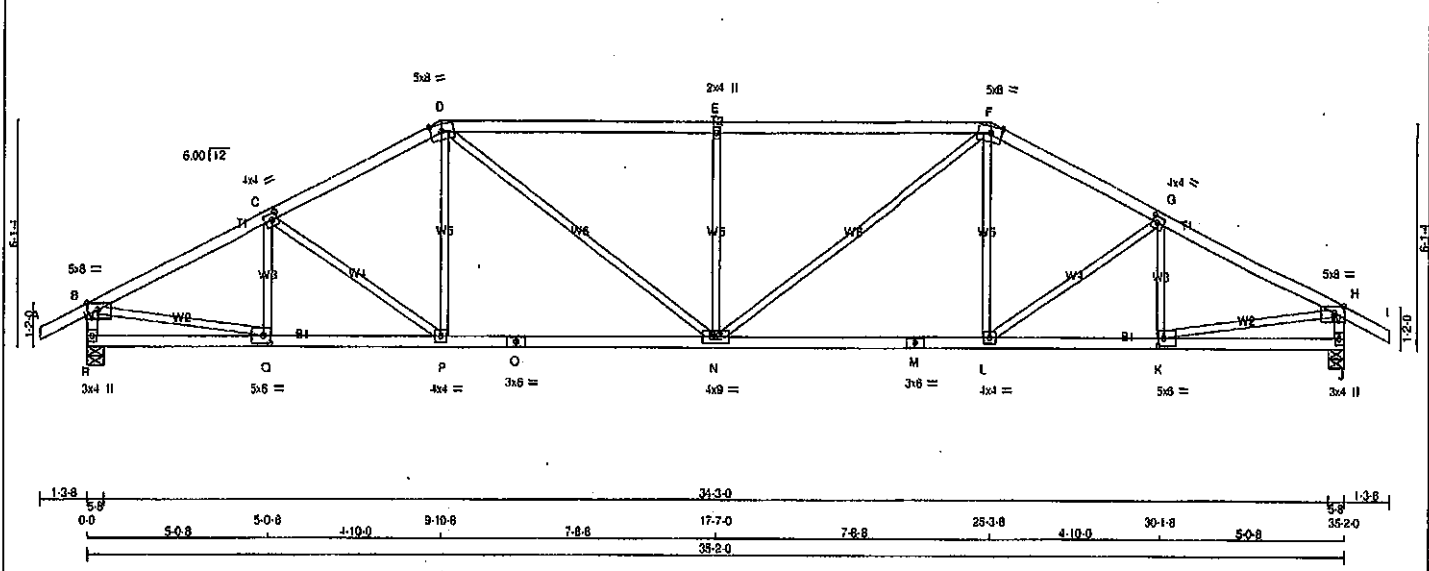
Tamarack Roof Truss, Burlington

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ID:DMCubINVR8Tsf0e31v6l_zns1l-LdWnxHEgAQpGFSAHixTnp8IJ9V7RFJIG77En3zME7

1-3.8 0-0 5-0.8 5-0.8 4-10-0 9-10-8 7-8-8 17-7-0 25-3-8 30-1-8 5-0-8 35-2-0 1-3-8

Scale = 1:37.6



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
F - I	2x4	DRY	No.2
R - B	2x4	DRY	No.2
J - H	2x4	DRY	No.2
R - O	2x4	DRY	No.2
O - M	2x4	DRY	No.2
M - J	2x4	DRY	No.2

ALL WEBS 2x3 DRY No.2

EXCEPT

SPF

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	Edge 3.50
C	TMWW-I	MT20	4.0	4.0	2.00 1.75
D	TTWW-m	MT20	5.0	8.0	2.25 3.75
E	TMW+u	MT20	2.0	4.0	
F	TTWW-m	MT20	5.0	8.0	2.25 3.75
G	TMWW-I	MT20	4.0	4.0	2.00 1.75
H	TMVW-p	MT20	5.0	8.0	Edge 3.50
J	BMV1+p	MT20	3.0	4.0	
K	BMWW-I	MT20	5.0	8.0	2.50 2.00
L	BMWW-I	MT20	4.0	4.0	
M	BS-I	MT20	3.0	8.0	
N	BMWWW-I	MT20	4.0	9.0	
O	BS-I	MT20	3.0	8.0	
P	BMWW-I	MT20	4.0	4.0	
Q	BMWW-I	MT20	5.0	8.0	2.50 2.00
R	BMV1+p	MT20	3.0	4.0	

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



Structural component only

DWG# T-2007663

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	UPLIFT
R	2063	0	2063	0
J	2063	0	2063	0

UNFACTORED REACTIONS							
	1ST CASE	MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
R	1457	969 0	0 0	0 0	0 0	488 0	0 0
J	1457	969 0	0 0	0 0	0 0	488 0	0 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 28	-91.8 -91.8 0.12 (1)	10.00	C-C	-353 0	0.08 (1)	
B-C	-2834 0	-91.8 -91.8 0.39 (1)	3.81	C-P	-210 0	0.13 (1)	
C-D	-2887 0	-91.8 -91.8 0.37 (1)	3.91	P-D	0 246	0.08 (4)	
D-E	-3060 0	-91.8 -91.8 0.97 (1)	2.78	D-N	0 844	0.19 (1)	
E-F	-3060 0	-91.8 -91.8 0.97 (1)	2.78	N-E	-872 0	0.51 (1)	
F-G	-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	F-F	0 246	0.08 (4)	
H-I	0 28	-91.8 -91.8 0.12 (1)	10.00	L-G	-210 0	0.13 (1)	
I-B	-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	K-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 2388	-18.5 -18.5 0.49 (1)	10.00				
O-N	0 2388	-18.5 -18.5 0.49 (1)	10.00				
N-M	0 2388	-18.5 -18.5 0.49 (1)	10.00				
M-L	0 2388	-18.5 -18.5 0.49 (1)	10.00				
L-K	0 2555	-18.5 -18.5 0.51 (1)	10.00				
K-J	0 0	-18.5 -18.5 0.10 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.8 PSF

DL = 8.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 33.8 PSF

SPACING = 24.0 in. c/c

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

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

THIS DESIGN COMPLIES WITH:

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

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

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

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

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

CALCULATED VERT. DEFL. (TL) = L/999 (0.34")

CSI: TC=0.97 1.00 (D-E:1), 8C=0.51 1.00 (P-Q:1), W8=0.58/1.00 (B-Q:1), SSI=0.34/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

MT20 618 354 1667 768 1987 1656

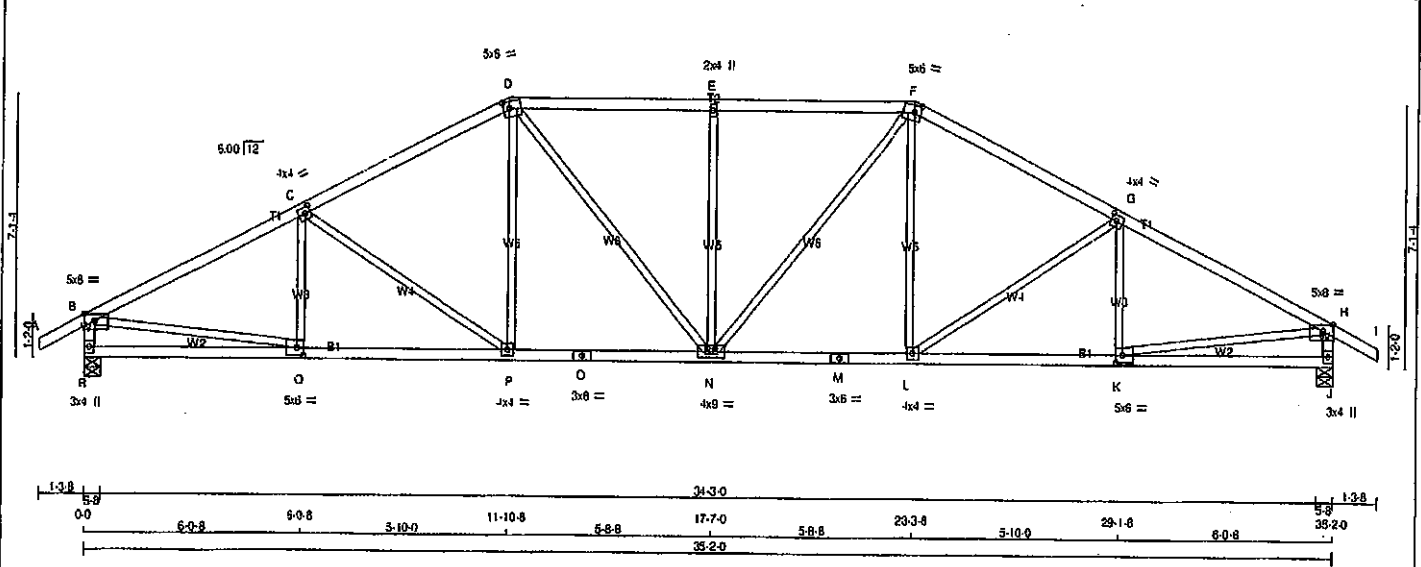
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.87 (F1) INPUT = 0.90

JSI METAL = 0.75 (M) INPUT = 1.00

JOB NAME 408224	TRUSS NAME T43	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.310 5 Oct 29 2019 M&T Industries, Inc. Tue Apr 26 10:20:02 2020 Page 1 ID:DMCubINVR6TstFoe31v6l_zns1l-op498deleUYGH01NrQSIJh7BZrVAiQsViknJVzME7h	



LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
F - I	2x4	DRY	No.2
I - B	2x4	DRY	No.2
B - H	2x4	DRY	No.2
H - O	2x4	DRY	No.2
O - M	2x4	DRY	No.2
M - J	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
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	TMWW-t	MT20	4.0	4.0 2.00 1.75
O	TTWW-m	MT20	5.0	8.0 2.25 2.00
E	TMWV-w	MT20	2.0	4.0
F	TTWW-m	MT20	5.0	8.0 2.25 2.00
G	TMWV-p	MT20	4.0	4.0 2.00 1.75
H	TMWV-p	MT20	5.0	8.0 Edge 3.50
J	BMVt-p	MT20	3.0	4.0
K	BMWV-i	MT20	5.0	8.0 2.50 2.25
L	BMWV-i	MT20	4.0	4.0
M	BS-t	MT20	3.0	8.0
N	BMWVW-i	MT20	4.0	8.0
O	BS-t	MT20	3.0	8.0
P	BMWVW-i	MT20	4.0	4.0
Q	BMWVW-i	MT20	5.0	8.0 2.50 2.25
R	BMVt-p	MT20	3.0	4.0

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

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

BEARINGS		FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	UP	IN-SX
R	2683	0	2083	0	5-8
J	2083	0	2083	0	5-8

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

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.58 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

CHORDS			FACTORED				WEBS			
MEMB.	MAX. FORCE (LBS)		VERT. LOAD (PLF)	LC1	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FORCE (LBS)	FACTORED MAX. CSI (LC)	
FR-TO			FROM	TO			FR-TO			
A-B	0	28	-91.8	-91.8	0.12 (1)	10.00	Q-C	-255	12	0.07 (1)
B-C	-2889	0	-91.8	-91.8	0.58 (1)	3.58	C-P	-435	0	0.42 (1)
C-D	-2539	0	-91.8	-91.8	0.52 (1)	3.83	P-D	0	350	0.08 (1)
D-E	-2589	0	-91.8	-91.8	0.48 (1)	3.85	D-N	0	482	0.11 (1)
E-F	-2559	0	-91.8	-91.8	0.48 (1)	3.85	N-E	-541	0	0.56 (1)
F-G	-2539	0	-91.8	-91.8	0.52 (1)	3.83	N-F	0	482	0.11 (1)
G-H	-2889	0	-91.8	-91.8	0.58 (1)	3.58	L-F	0	350	0.08 (1)
H-I	0	28	-91.8	-91.8	0.12 (1)	10.00	L-G	-435	0	0.42 (1)
R-B	-2014	0	0.0	0.0	0.20 (1)	5.95	K-G	-255	12	0.07 (1)
J-H	-2014	0	0.0	0.0	0.20 (1)	5.95	B-Q	0	2835	0.59 (1)
							K-H	0	2835	0.59 (1)
R-Q	0	0	-18.5	-18.5	0.16 (4)	10.00				
Q-P	0	2609	-18.5	-18.5	0.49 (1)	10.00				
P-O	0	2249	-18.5	-18.5	0.43 (1)	10.00				
O-N	0	2249	-18.5	-18.5	0.43 (1)	10.00				
N-M	0	2249	-18.5	-18.5	0.43 (1)	10.00				
M-L	0	2249	-18.5	-18.5	0.43 (1)	10.00				
L-K	0	2609	-18.5	-18.5	0.49 (1)	10.00				
K-J	0	0	-18.5	-18.5	0.15 (4)	10.00				

DESIGN CRITERIA

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

SPACING = 24.0 IN. OC

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 188-08, CSA 088-14
- TPIC 2011, TPIC 2014

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

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

CS1: TC=0.58/1.00 (G-H:1), BC=0.48/1.00 (K-L:1), WB=0.59/1.00 (H-K:1), SS1=0.25/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

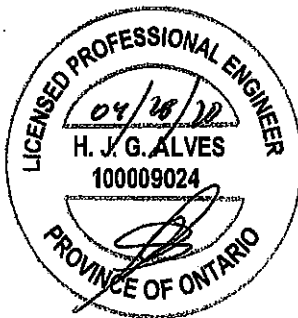
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

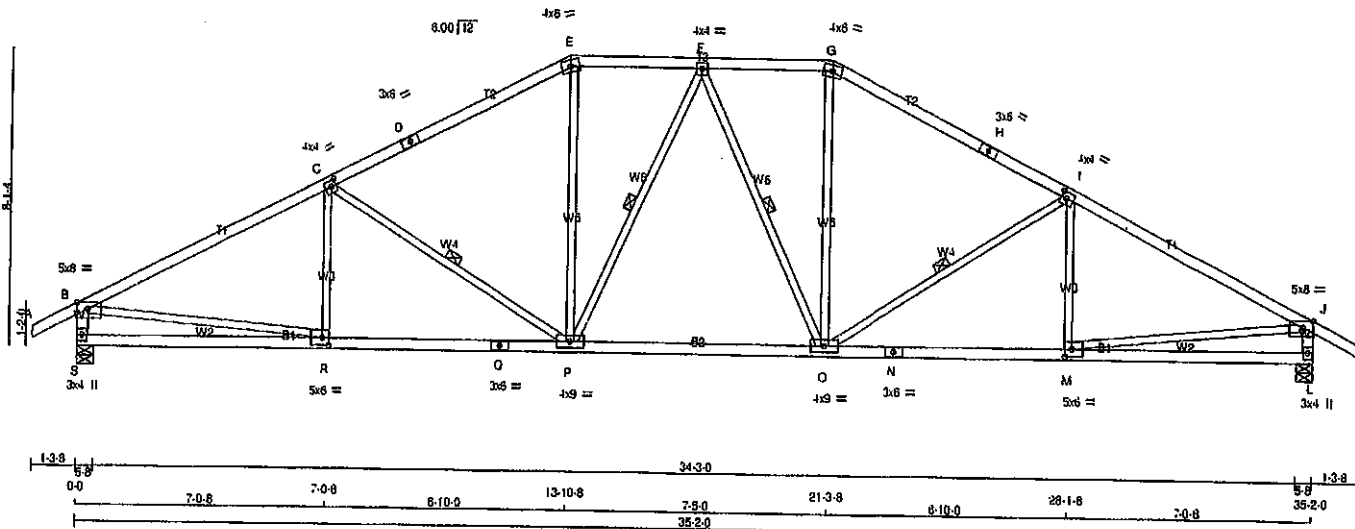
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.89 (Q) (INPUT = 0.90)
JSI METAL = 0.89 (M) (INPUT = 1.00)



Structural component only
DWG# T-2007664

JOB NAME 408224 Tamarack Roof Truss, Burlington	TRUSS NAME T44	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Version 8.310 S Oct 29 2018 MTEK Industries, Inc. Tue Apr 28 10:20:03 2020 Page 1				ID:DMCubINVR6TstFoe31v6I zns1H0dXMzFwOog7vYcZP7zxsEE72ACv9c7kUKKxzME7g	
Scale = 1/8" = 1'-0"					



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

DRY: SEASONED LUMBER.

PLATES (tablets in inches)

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

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

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	DOWN	HORZ	BRG	IN-SX	BRG	IN-SX
S	2063	0	0	2063	0	0	5-8	5-8	5-8
L	2063	0	0	2063	0	0	5-8	5-8	5-8

UNFACTORED REACTIONS

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

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MAX. FACTORED		FACTORED		FACTORED		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX (LBS)	MEMB.	FORCE (LBS)	LC1 MAX (LBS)	LC1 MAX (LBS)
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	-837 0	0.29 (1)
C-D	-2373 0	-91.8	-91.8 0.72 (1)	3.66	P-E	0 674	0.15 (1)
D-E	-2373 0	-91.8	-91.8 0.72 (1)	3.66	P-F	-222 0	0.11 (1)
E-F	-2100 0	-91.8	-91.8 0.19 (1)	4.53	F-O	-222 0	0.11 (1)
F-G	-2100 0	-91.8	-91.8 0.19 (1)	4.53	O-G	0 674	0.15 (1)
G-H	-2373 0	-91.8	-91.8 0.72 (1)	3.66	O-I	-837 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	-2908 0	-91.8	-91.8 0.83 (1)	3.25	B-R	0 2649	0.80 (1)
J-K	0 28	-91.8	-91.8 0.12 (1)	10.00	M-J	0 2649	0.80 (1)
S-B	-2008 0	0.0	0.0 0.20 (1)	5.96			
L-J	-2008 0	0.0	0.0 0.20 (1)	5.96			
S-R	0 0	-18.5	-18.5 0.20 (4)	10.00			
R-Q	0 2630	-18.5	-18.5 0.52 (1)	10.00			
Q-P	0 2630	-18.5	-18.5 0.52 (1)	10.00			
P-O	0 2193	-18.5	-18.5 0.45 (1)	10.00			
O-N	0 2630	-18.5	-18.5 0.52 (1)	10.00			
N-M	0 2630	-18.5	-18.5 0.52 (1)	10.00			
M-L	0 0	-18.5	-18.5 0.20 (4)	10.00			

TOTAL WEIGHT = 2 X 145 = 291 lb (MIP)

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 NBCC 2010, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

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

CSI: TC=0.83/1.00 (J-I), BC=0.52/1.00 (M-O), WB=0.60/1.00 (J-M), SS=0.28/1.00 (B-C)

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

COMPANION LIVE LOAD FACTOR = 1.00

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 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 (C) INPUT = 1.00



Structural component only
DWG# T-2007665

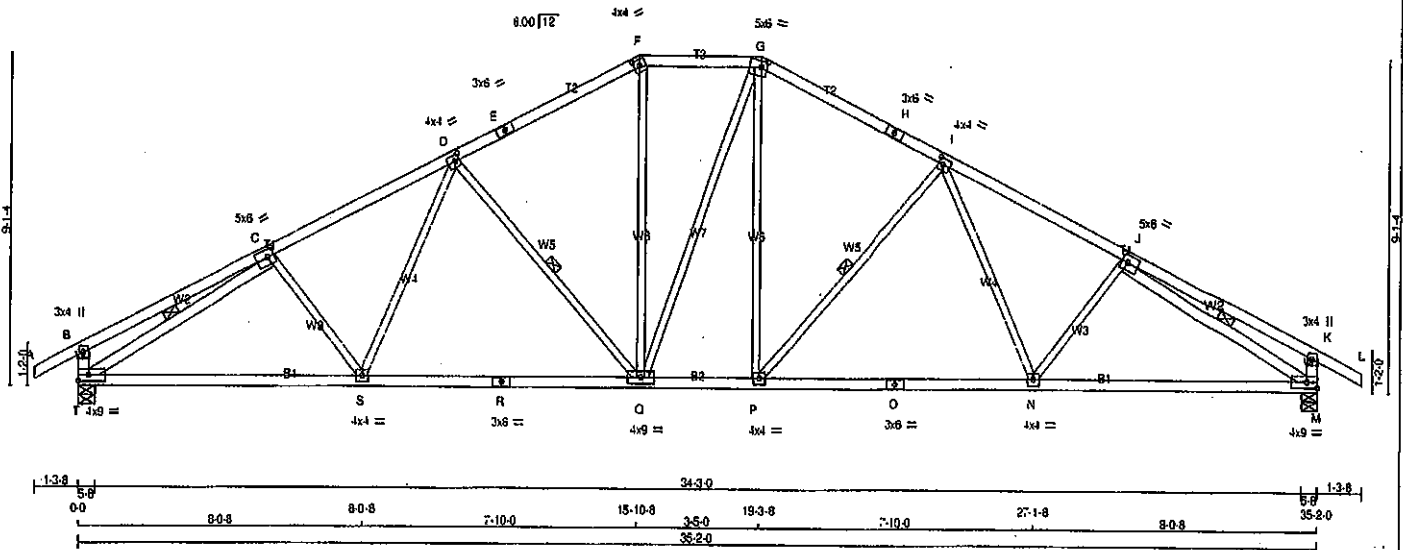
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	T45	2	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TslFos31v6L_zns1l-mCBvZJGY950_XiB1zrUBOSmOWNWqcd9yyDuNOzME7I

1-3-8 0-0 5-5-3 5-5-3 3-2-11 10-7-13 5-2-11 15-10-8 3-5-0 19-3-8 5-2-11 24-6-3 5-2-11 29-8-13 5-9-3 35-2-0 38-5-8 1-3-8
Scale = 1:58.3

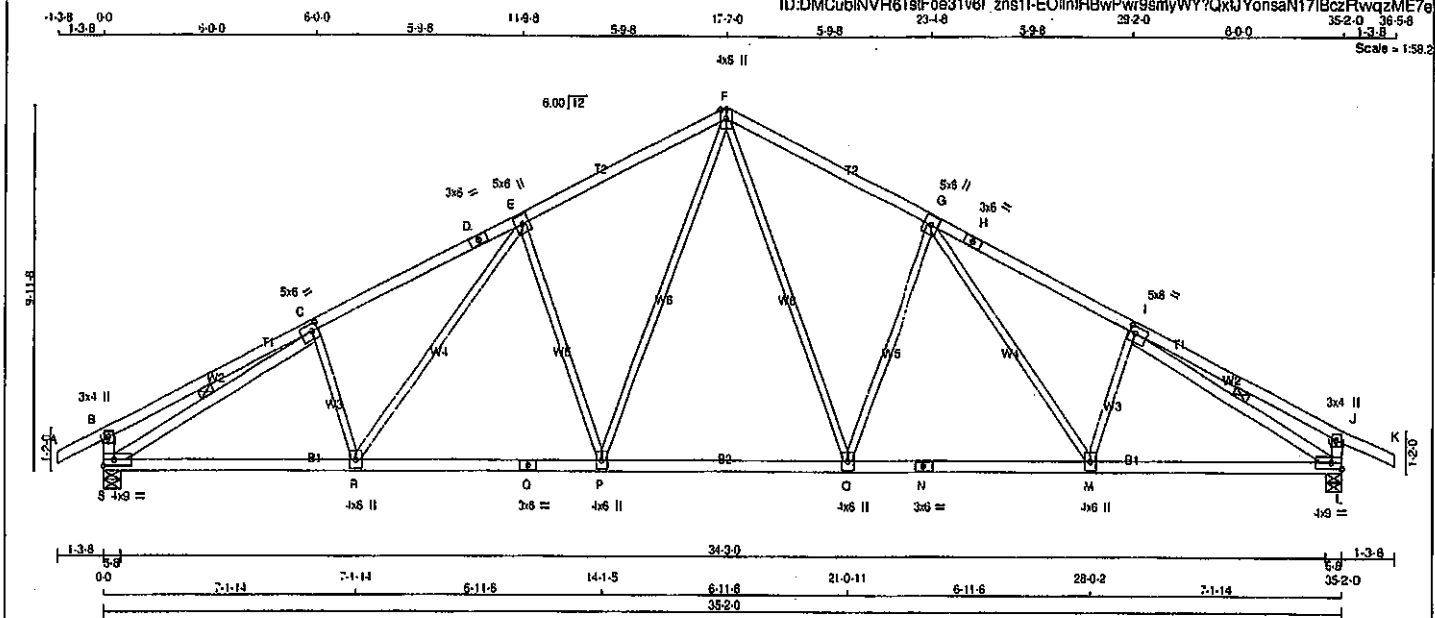


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	T46	8	1	GREEN PARK HOMES	

Timarack Roof Truss, Burlington

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ID:DMCubINVR6tstFos31v6I zns1I-EOInHBvPw9smYy?QxkYonsaNI7IBczRwqzME7e



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

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

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

BEARINGS

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

UNFACTORED REACTIONS

JT	1ST LCASE	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)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED GSI (LC)	UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED GSI (LC)
FR-TO						FR-TO			
A-B	0 28	-91.8	-91.8 0.12 (1)	10.00		F-O	0 866	0.19 (1)	
B-C	0 22	-91.8	-91.8 0.40 (1)	10.00		O-G	-726 0	0.72 (1)	
C-D	-2808 0	-91.8	-91.8 0.49 (1)	3.75		G-M	0 391	0.09 (1)	
D-E	-2808 0	-91.8	-91.8 0.48 (1)	4.07		M-I	-192 18	0.05 (1)	
E-F	-2322 0	-91.8	-91.8 0.48 (1)	4.07		P-F	0 866	0.19 (1)	
F-G	-2322 0	-91.8	-91.8 0.48 (1)	4.07		E-P	-726 0	0.72 (1)	
G-H	-2808 0	-91.8	-91.8 0.49 (1)	3.75		R-E	0 391	0.09 (1)	
H-I	-2808 0	-91.8	-91.8 0.49 (1)	3.75		C-R	-192 18	0.05 (1)	
I-J	0 22	-91.8	-91.8 0.40 (1)	10.00		S-C	-3064 0	0.72 (1)	
J-K	0 28	-91.8	-91.8 0.12 (1)	10.00		I-L	-3064 0	0.72 (1)	
S-B	-344 0	0.0	0.0 0.03 (1)	7.81					
L-J	-344 0	0.0	0.0 0.03 (1)	7.81					
S-R	0 2574	-18.5	-18.5 0.53 (1)	10.00					
R-O	0 2291	-18.5	-18.5 0.47 (1)	10.00					
O-P	0 2291	-18.5	-18.5 0.47 (1)	10.00					
P-Q	0 1762	-18.5	-18.5 0.38 (1)	10.00					
Q-N	0 2291	-18.5	-18.5 0.47 (1)	10.00					
N-M	0 2291	-18.5	-18.5 0.47 (1)	10.00					
M-L	0 2574	-18.5	-18.5 0.53 (1)	10.00					

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 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/O

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

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

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

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

CSI: TC=0.49/1.00 (C-E:1), BC=0.53/1.00 (L-M:1), WB=0.72/1.00 (E-P:1), SSI=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) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

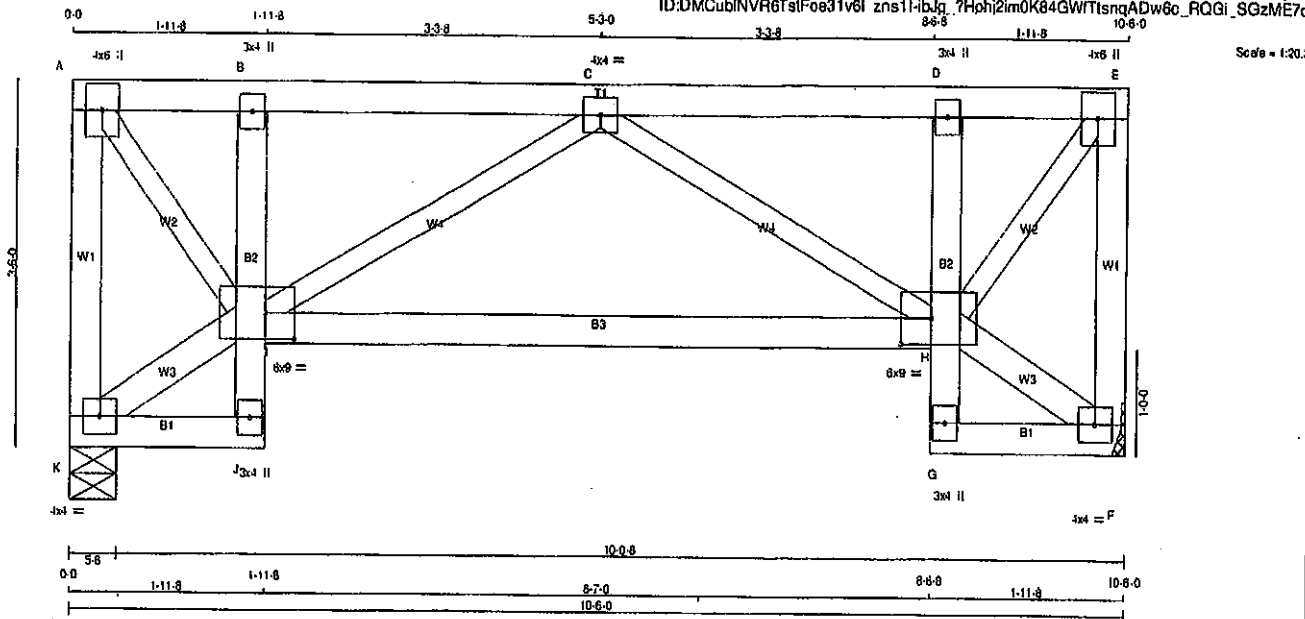
PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2007667

JOB NAME 408224	TRUSS NAME T47S	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



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

PLATES (table is in inches)				
JT TYPE	PLATES	W	LEN	Y X
A TMVW+p	MT20	4.0	6.0	
B TMV+p	MT20	3.0	4.0	
C TMVW-1	MT20	4.0	4.0	
D TMV+p	MT20	3.0	4.0	
E TMVW+p	MT20	4.0	6.0	
F BMVW-1	MT20	4.0	4.0	
G BMV+p	MT20	3.0	4.0	
H BMVW-1	MT20	6.0	9.0	3.00 3.50
I BMVW-1	MT20	6.0	9.0	3.00 3.50
J BMV+p	MT20	3.0	4.0	
K BMVW-1	MT20	4.0	4.0	

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

PROVIDE ADEQUATE DRAINAGE TO PREVENT PONDING

BEARINGS

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

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT F. MINIMUM BEARING LENGTH AT JOINT F = 1-0.

UNFACTORED REACTIONS

JT	1ST CASE		MAX. MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE			
K	504	269.0	0.0	0.0	0.0	235.0	0.0
F	504	269.0	0.0	0.0	0.0	235.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (L)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (L)	
FR-TO				FR-TO			
K-A	-687.0	0.0	0.0 0.17 (1)	K-I	-28.0	0.00 (1)	
A-B	-497.0	-114.3	0.14 (1)	A-I	0.783	0.24 (1)	
B-C	-508.0	-114.3	0.22 (1)	H-F	-28.0	0.00 (1)	
C-D	-508.0	-114.3	0.22 (1)	H-E	0.783	0.24 (1)	
D-E	-497.0	-114.3	0.14 (1)	I-C	-384.0	0.15 (1)	
F-E	-687.0	0.0	0.0 0.17 (1)	C-H	-384.0	0.15 (1)	
K-J	0.25	-18.5	-18.5 0.03 (4)				
J-I	0.19	0.0	0.0 0.05 (1)				
I-B	-331.0	0.0	0.0 0.05 (1)				
I-H	0.632	-18.5	-18.5 0.48 (4)				
G-H	0.19	0.0	0.0 0.05 (1)				
H-D	-331.0	0.0	0.0 0.05 (1)				
G-F	0.25	-18.5	-18.5 0.03 (4)				

TOTAL WEIGHT = 2 X 51 = 102 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN./C

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, NBC 2010, NBC 2015

THIS DESIGN COMPLIES WITH:

- PART 8 OF CBC 2010, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

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

CSI: TC=0.22/1.00 (B-C:1), BC=0.48/1.00 (H-I:4), WB=0.24/1.00 (E-H:1), SS=0.22/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00
FLAT ROOF FACTOR = 0.75

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

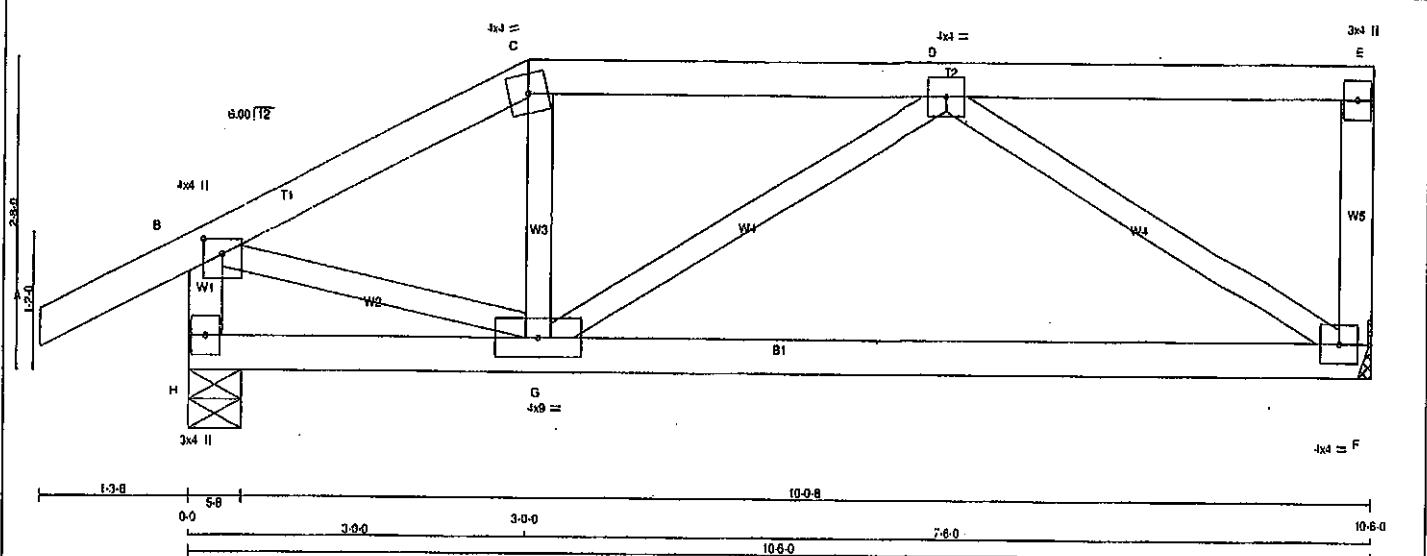
JSI GRIP= 0.77 (H) INPUT = 0.90
JSI METAL= 0.30 (E) INPUT = 1.00



Structural component only
DWG# T-2007668

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	T48	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.310 S Oct 29 2019 MTek Industries, Inc. Tue Apr 26 10:20:07 2020 Page 1	

ID:DMCubINVR6TstFos31v6l zns11-An12CLIRS0AZOAvKez1u04OyjadNr3HbWsy izME7c
6.2-12 5-8.8
0.12
3.3-8
10.6-0
Scale = 1:18.2



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
F - B	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	TMVW+p	MT20	4.0	4.0	1.50 2.00
C	TTW-m	MT20	4.0	4.0	
D	TMVW-t	MT20	4.0	4.0	
E	TMV+p	MT20	3.0	4.0	
F	BMVW-1	MT20	4.0	4.0	
G	BMVW-1	MT20	4.0	9.0	
H	BMV-1+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	
F	579 0	579 0	0 0	MECHANICAL	
H	703 0	703 0	0 0	5-8	

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

UNFACTORED REACTIONS					
JT	1ST LOASE	MAX. MIN. COMPONENT REACTIONS			
F	COMBINED	SNOW	LIVE	PERM. LIVE	WIND
H	409	269 0	0 0	0 0	DEAD
	495	338 0	0 0	0 0	SOIL

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H
BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING					
TOTAL LOAD CASES: (4)					
CHORDS			WEBS		
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED (LBS)
FR-TO		FROM TO	FR-TO		
A-B	0 28	-91.8 -91.8 0.12 (1)	G-C	0 61	0.02 (4)
B-C	-635 0	-91.8 -91.8 0.15 (1)	G-D	-61 60	0.02 (4)
C-D	-569 0	-91.8 -91.8 0.21 (1)	D-F	-731 0	0.23 (1)
D-E	0 0	-91.8 -91.8 0.20 (1)	B-G	0 587	0.13 (1)
F-E	-135 0	0.0 0.0 0.02 (1)			
H-B	-699 0	0.0 0.0 0.07 (1)			
H-G	0 0	-18.5 -18.5 0.21 (4)			
G-F	0 619	-18.5 -18.5 0.25 (4)			

TOTAL WEIGHT = 40 lb (M)

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

LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00:12
THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.35")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.35")
CALCULATED VERT. DEFL.(TL) = L/999 (0.00")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

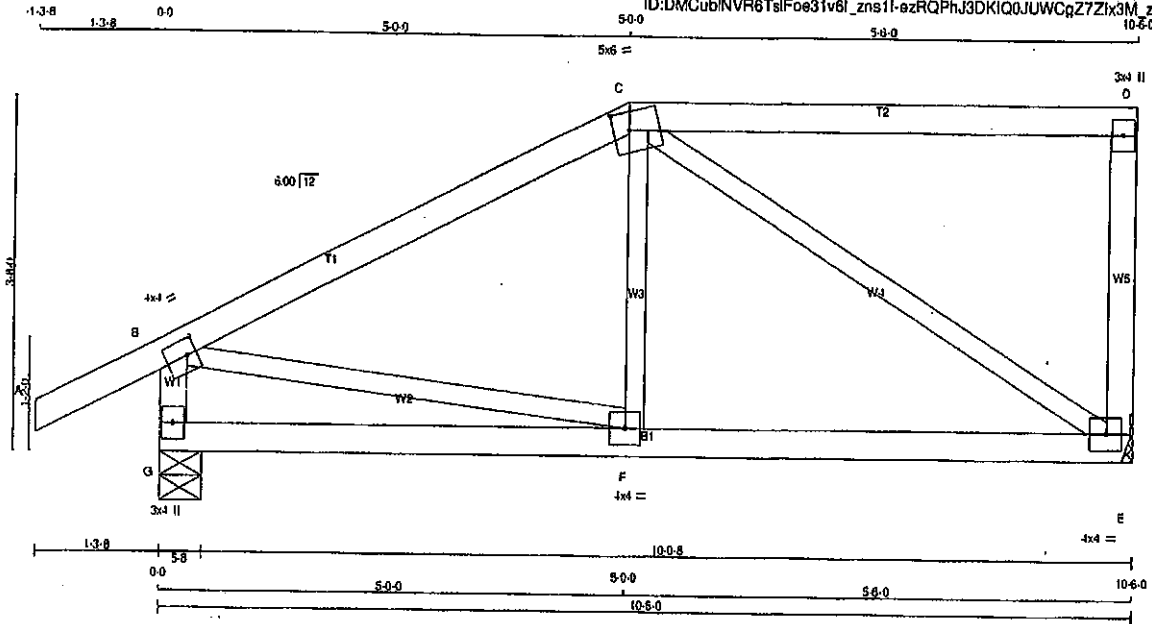
JSI GRIP = 0.88 (B) (INPUT = 0.90)
JSI METAL = 0.23 (F) (INPUT = 1.00)



Structural component only
DWG# T-2007669

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

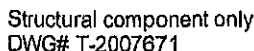
Version 8.310 5 Oct 2019 MTEK Industries, Inc. Tue Apr 28 10:20:08 2020 Page 1
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Version 8.310 S Oct 29 2019 MTek Industries, Inc. Tue Apr 28 10:20:10 2020 Page 1
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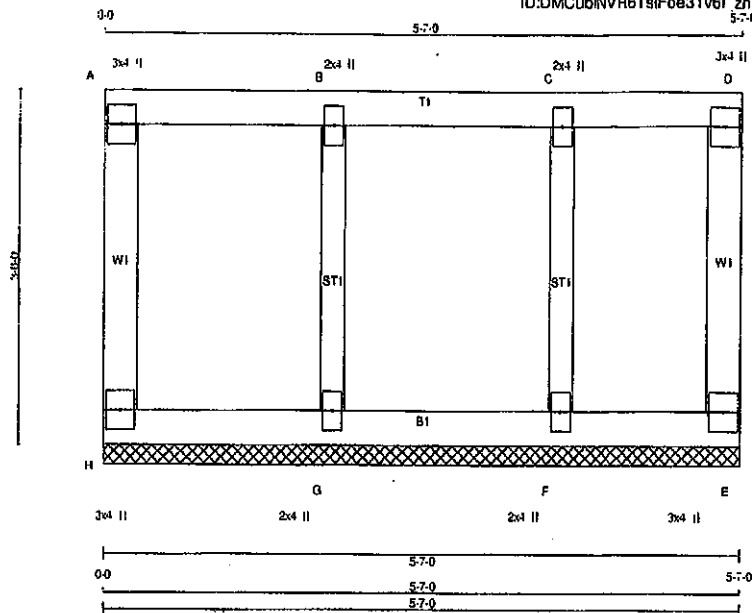


JSI GRIP = 0.25 (A) (INPUT = 0.90)
JSI METAL = 0.07 (A) (INPUT = 1.00)



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

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ID:DMCubINVR6TstFoe31v6I zns11-eiv7r16OD89qTihFid7MikFo7CC512EzRaiQezME7s



Scale = 1:18.1

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

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

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMW+w	MT20	2.0	4.0		
C	TMW+w	MT20	2.0	4.0		
D	TMV+p	MT20	3.0	4.0		
E	BMV1+p	MT20	3.0	4.0		
F	BMW1+w	MT20	2.0	4.0		
G	BMW1+w	MT20	2.0	4.0		
H	BMV1+p	MT20	3.0	4.0		

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

PROVIDE ADEQUATE DRAINAGE TO PREVENT PONING.
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)	VERT. LOAD LC1 (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	UNBRAC LENGTH
FR-TO		FROM	TO	FR-TO			
H-A	-101 0	0.0	0.0 0.03 (1)	7.81	G-B	-248 0	0.08 (1)
A-B	-8 0	-114.3	-114.3 0.08 (1)	10.00	F-C	-209 0	0.05 (1)
B-C	-8 0	-114.3	-114.3 0.08 (1)	10.00			
C-D	-8 0	-114.3	-114.3 0.08 (1)	10.00			
E-D	-80 0	0.0	0.0 0.03 (1)	7.81			
H-G	0 8	-18.5	-18.5 0.02 (4)	10.00			
G-F	0 8	-18.5	-18.5 0.02 (4)	10.00			
F-E	0 8	-18.5	-18.5 0.02 (4)	10.00			

TOTAL WEIGHT = 22 lb (M/R)

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

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

CSI: TC=0.08/1.00 (A-B:1), BC=0.02/1.00 (G-H:1), WB=0.08/1.00 (B-G:1), ST=0.13/1.00 (A-B: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
FLAT ROOF FACTOR = 0.75

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

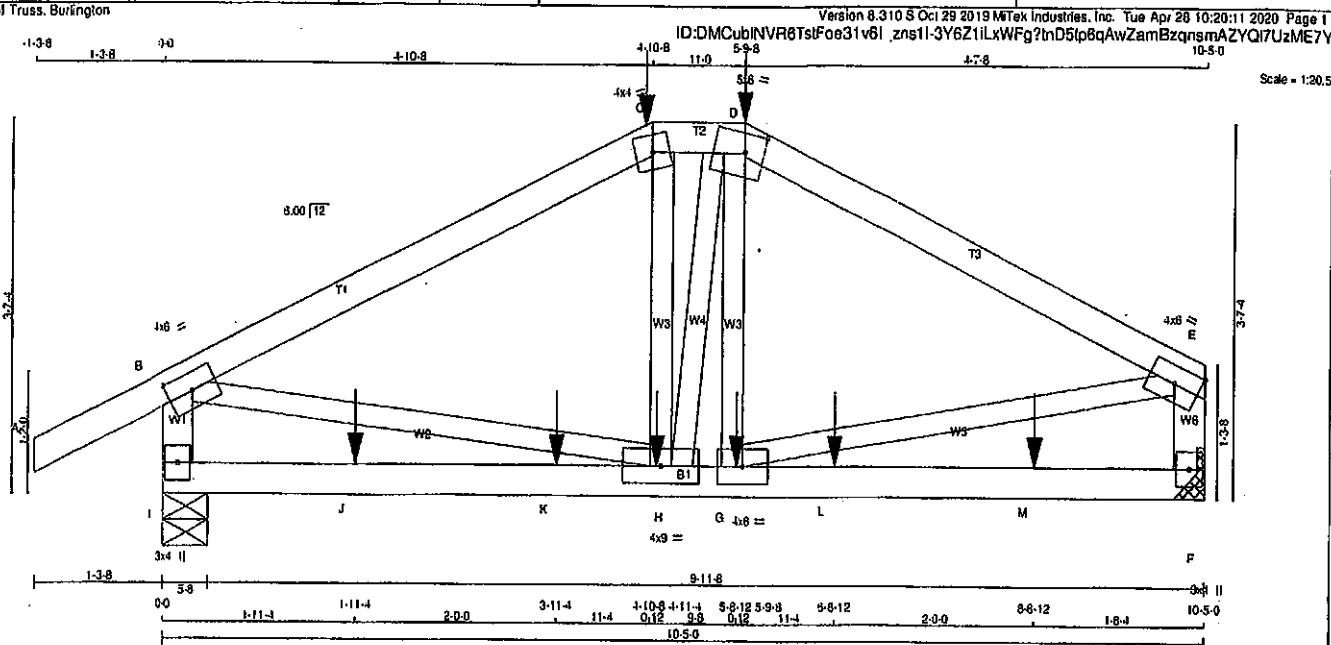
PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2007656

JOB NAME 408224	TRUSS NAME T51	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			

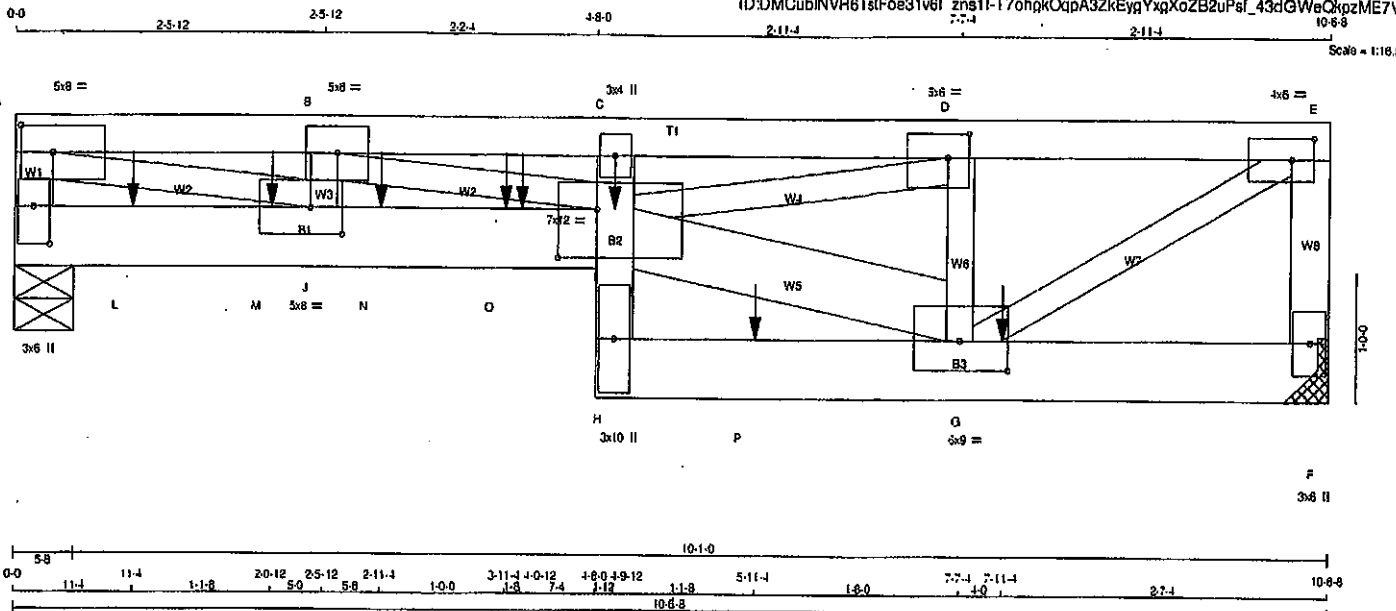


LUMBER			DESCR.		
N. L. G. A. RULES	CHORDS	SIZE	LUMBER	NO.	DESCR.
A - C	2x4	DRY	No.2	SPF	
C - D	2x4	DRY	No.2	SPF	
D - E	2x4	DRY	No.2	SPF	
E - F	2x4	DRY	No.2	SPF	
F - G	2x4	DRY	No.2	SPF	
G - H	2x4	DRY	No.2	SPF	
H - I	2x4	DRY	No.2	SPF	
I - J	2x4	DRY	No.2	SPF	
J - K	2x4	DRY	No.2	SPF	
K - L	2x4	DRY	No.2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

Structural component only
DWG# T-2007673

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	ORWG NO.
408224	T54S	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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10-6-8



TOTAL WEIGHT = 2 X 49 = 98 lb

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

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (W)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
K-A	12	TOP
A-E	12	TOP
E-F	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
K-I	12	SIDE (61.0)
H-F	12	SIDE (183.1)
C-H	5	SIDE (69.8)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	8	
2x6	8	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

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

FACTORED			MAXIMUM FACTORED			INPUT	REQD
GROSS REACTION			GROSS REACTION			BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
K	2804	0	2804	0	0	5-8	5-8
F	2255	0	2255	0	0	MECHANICAL	

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

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT COMBINED	
K	1841 1212 0 0 0 0 0 0 628 0 0 0
F	1892 1081 0 0 0 0 0 0 531 0 0 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.36 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		MAX. FACTORED		FACTORED		MAX. UNBRACED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT.	LOAD (PLF)	LC1	MAX	CS1 (LC)	LENGTH	FR-TO	MEMB.	FORCE (LBS)	MAX
FR-TO											
K-A	-2274	0	0.0	0.0	0.13 (1)	7.42	1-G	0	2888	0.19 (1)	
A-B	-6894	0	-91.8	-91.8	0.22 (1)	3.63	I-D	0	5928	0.73 (1)	
B-C	-10298	0	-91.8	-91.8	0.66 (1)	2.36	G-D	-2146	0	0.17 (1)	
C-D	-9247	0	-91.8	-91.8	0.61 (1)	2.62	G-E	0	4043	0.50 (1)	
D-E	-3416	0	-91.8	-91.8	0.18 (1)	4.91	J-B	-1577	0	0.12 (1)	
F-E	-2242	0	0.0	0.0	0.13 (1)	7.46	A-J	0	7027	0.87 (1)	
							B-I	0	3806	0.47 (1)	
K-L	0	0	-18.5	-18.5	0.21 (1)	10.00					
L-M	0	0	-18.5	-18.5	0.21 (1)	10.00					
M-J	0	0	-18.5	-18.5	0.21 (1)	10.00					
J-N	0	6894	-18.5	-18.5	0.79 (1)	10.00					
N-O	0	6894	-18.5	-18.5	0.79 (1)	10.00					
O-I	0	6894	-18.5	-18.5	0.79 (1)	10.00					
H-I	0	354	0.0	0.0	0.65 (1)	10.00					
I-C	0	128	0.0	0.0	0.63 (1)	10.00					
H-P	0	832	-18.5	-18.5	0.20 (1)	10.00					
P-G	0	832	-18.5	-18.5	0.20 (1)	10.00					
G-F	0	0	-18.5	-18.5	0.01 (4)	10.00					

FACTORED CONCENTRATED LOADS (LBS)	
JT	LOC.
G	7-11-4 -881 -881
I	4-9-12 -577 -577
L	11-4 -72 -72
M	2-0-12 -352 -352
N	2-11-4 -142 -142
O	3-11-4 -883 -883
P	4-0-12 -354 -354
	5-11-4 -556 -556

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

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

SPACING = 24.0 IN./C/C

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.35")
CALCULATED VERT. DEFL.(LL) = L/862 (0.15")
ALLOWABLE DEFL.(TL) = L/360 (0.35")
CALCULATED VERT. DEFL.(TL) = L/469 (0.27")

CSI: TC=0.66/1.00 (B-C:1), BC=0.79/1.00 (I-J:1), WB=0.87/1.00 (A-J:1), SS=0.45/1.00 (C-I:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 816 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.280 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.88 (E) (INPUT = 0.90)
JSI METAL = 0.73 (D) (INPUT = 1.00)



Structural component only
DWG# T-2007675 1/2

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

Tamarack Roof Truss, Burlington

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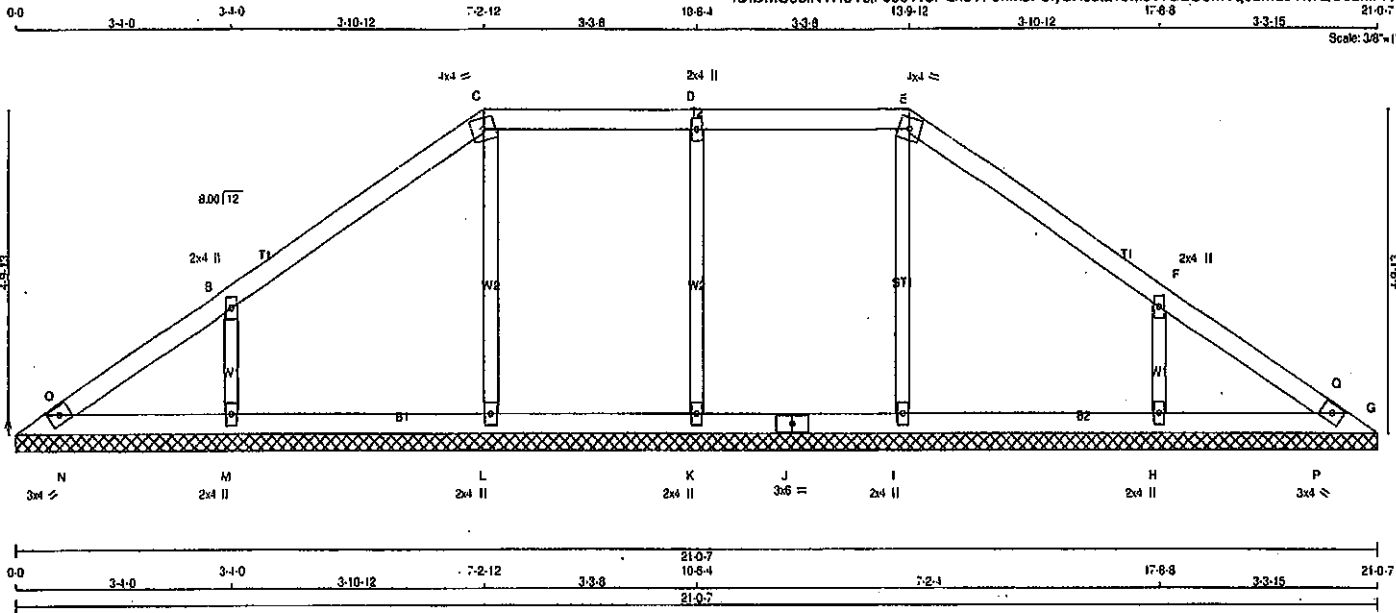
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PLATES (table is in inches)

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



Structural component only
DWG# T-2007675 *HL*



TOTAL WEIGHT = 63 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	No. 2
A - C	2x4	DRY	No. 2
C - E	2x4	DRY	No. 2
E - G	2x4	DRY	No. 2
A - J	2x4	DRY	No. 2
J - G	2x4	DRY	No. 2

ALL WEBS 2x3 DRY No. 2

DRY: SEASONED LUMBER.

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
A	128	0	128	0	21-0-7 (11-11220-7	
G	128	0	128	0	21-0-7 (11-11220-7	
I	330	0	330	0	21-0-7 (11-11220-7	
L	330	0	330	0	21-0-7 (11-11220-7	
K	433	0	433	0	21-0-7 (11-11220-7	
H	485	0	485	0	21-0-7 (11-11220-7	
M	485	0	485	0	21-0-7 (11-11220-7	

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TBM1-h	MT20	3.0	4.0		
B, D, F						
B	TW1+w	MT20	2.0	4.0		
C	TW1-m	MT20	4.0	4.0		
E	TW1-m	MT20	4.0	4.0		
G	TBM1-h	MT20	3.0	4.0		
H, I, K, L, M						
H	BW1+w	MT20	2.0	4.0		
J	BS-1	MT20	3.0	6.0		

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM	LIVE	WIND	DEAD
A	90	61 0	0 0	0 0	0 0	20 0	0 0
G	90	61 0	0 0	0 0	0 0	20 0	0 0
I	235	143 0	0 0	0 0	0 0	93 0	0 0
L	235	143 0	0 0	0 0	0 0	93 0	0 0
K	304	212 0	0 0	0 0	0 0	92 0	0 0
H	342	228 0	0 0	0 0	0 0	114 0	0 0
M	342	228 0	0 0	0 0	0 0	114 0	0 0

LOADING IN FLAT SECTION BASED ON A SLOPE OF 8:12

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 086-08, 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

CSI: TC=0.21 (B-O:1), BC=0.06 (L-M:4), WB=0.13 (D-K:1), SSI=0.15 (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

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

BRACING

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

MAX. UNBRACED BOTTOM CHORD LENGTH = 6.25 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: 14)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)		
FR-TO		FROM TO			FR-TO				
A-O	-23 2	-91.8 -91.8	0.04 (1)	8.25	I-E	-268 0	0.09 (1)		
O-B	0 33	-91.8 -91.8	0.21 (1)	10.00	L-C	-268 0	0.09 (1)		
B-C	-8 8	-91.8 -91.8	0.20 (1)	10.00	K-D	-377 0	0.13 (1)		
C-D	0 17	-91.8 -91.8	0.17 (1)	10.00	H-F	-393 0	0.06 (1)		
D-E	0 17	-91.8 -91.8	0.17 (1)	10.00	M-B	-393 0	0.06 (1)		
E-F	-8 8	-91.8 -91.8	0.20 (1)	10.00	N-O	-39 5	0.00 (1)		
F-G	0 33	-91.8 -91.8	0.21 (1)	10.00	P-Q	-39 5	0.00 (1)		
G-G	-23 2	-91.8 -91.8	0.04 (1)	8.25					
A-N	-9 0	-18.5 -18.5	0.05 (1)	10.00					
N-M	-7 7	-18.5 -18.5	0.06 (1)	10.00					
M-L	-11 0	-18.5 -18.5	0.06 (1)	6.25					
L-K	-17 0	-18.5 -18.5	0.05 (1)	6.25					
K-J	-17 0	-18.5 -18.5	0.05 (1)	6.25					
J-I	-17 0	-18.5 -18.5	0.05 (1)	6.25					
I-H	-11 0	-18.5 -18.5	0.06 (1)	6.25					
H-P	-7 7	-18.5 -18.5	0.06 (1)	10.00					
P-G	-9 0	-18.5 -18.5	0.05 (1)	10.00					

NAIL VALUES

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

MAX MIN MAX MIN MAX MIN

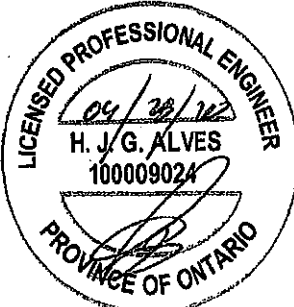
MT20 818 354 1667 789 1987 1666

PLATE PLACEMENT TOL. = 0.250 inches

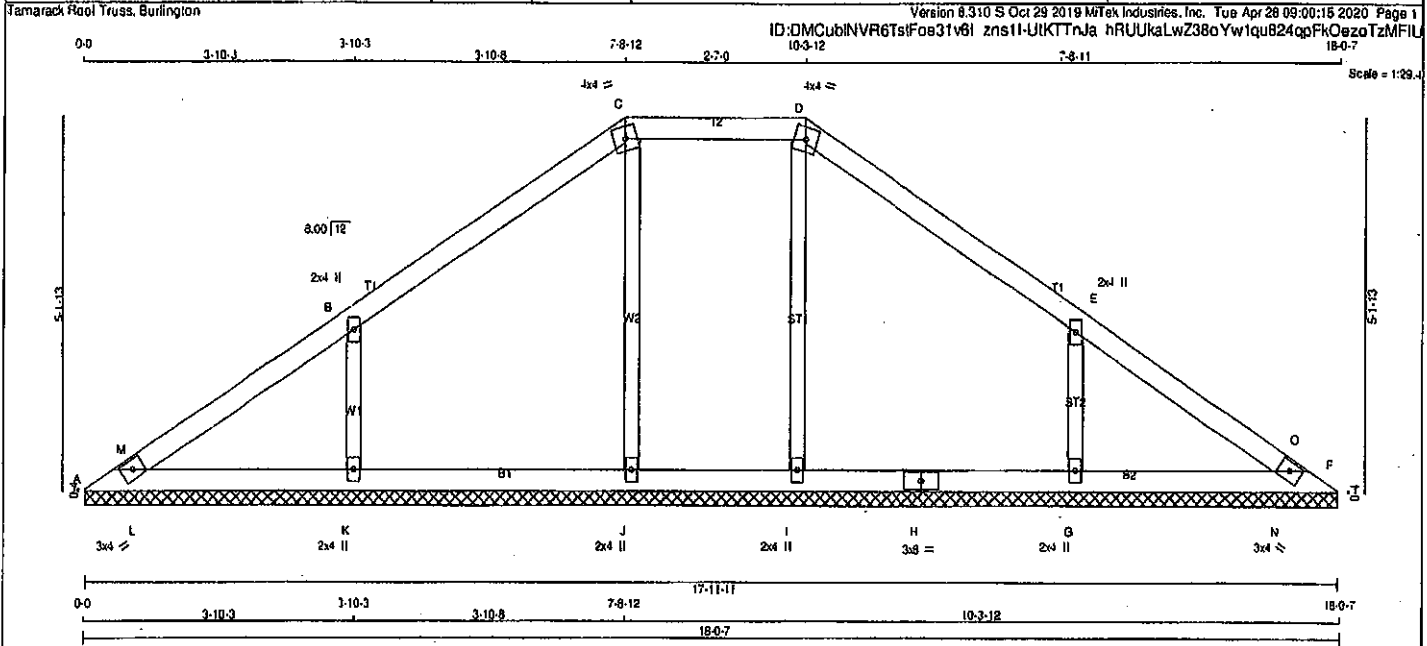
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.61 (C) INPUT = 0.90

JSI METAL= 0.20 (F) INPUT = 1.00



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



LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER				DESIGN CRITERIA			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.	FACTORED	GROSS REACTION	MAXIMUM FACTORED	INPUT	REQD	SPECIFIED LOADS:	
A - C	2x4	DRY	No.2	SPF	VERT	HORZ	DOWN	HORZ	UPLIFT	TOP CH. LL = 25.8 PSF	
C - D	2x4	DRY	No.2	SPF						DL = 6.0 PSF	
D - F	2x4	DRY	No.2	SPF						BOT CH. LL = 0.0 PSF	
A - H	2x4	DRY	No.2	SPF						DL = 7.4 PSF	
H - F	2x4	DRY	No.2	SPF						TOTAL LOAD = 39.0 PSF	
ALL WEBS	2x3	DRY	No.2	SPF						SPACING = 24.0 IN. C/C	
DRY: SEASONED LUMBER.											
PLATES (table is in inches)				UNFACTORED REACTIONS				LOADING IN FLAT SECTION BASED ON A SLOPE OF 8.00/12			
JT TYPE	PLATES	W	LEN	Y	X	1ST LOOSE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
A	TBM1-h	MT20	3.0	4.0		JT COMBINED					
B	TMW-w	MT20	2.0	4.0		A	85 85 0 0 0 0 0 0 0 0 0 0				
C	TTW-m	MT20	4.0	4.0		F	85 85 0 0 0 0 0 0 0 0 0 0				
D	TTW-m	MT20	4.0	4.0		I	244 155 0 0 0 0 0 0 0 0 0 0				
E	TMW-w	MT20	2.0	4.0		G	362 240 0 0 0 0 0 0 0 0 122 0				
F	TBM1-h	MT20	3.0	4.0		J	242 154 0 0 0 0 0 0 0 0 86 0				
G, I, J, K						K	362 240 0 0 0 0 0 0 0 0 122 0				
G	BMW1-w	MT20	2.0	4.0							
H	BS-1	MT20	3.0	6.0							
BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) A, F, I, G, J, K				BRACING				THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015			
TOP CHORD TO BE SHEATHED OR MAX. FURLIN SPACING = 10.00 FT.				MAX. UNBRACED BOTTOM CHORD LENGTH = 8.25 FT OR RIGID CEILING DIRECTLY APPLIED.				THIS DESIGN COMPLIES WITH:			
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.				LOADING				PART 9 OF CBC 2018, CBC 2012, ABC 2019			
TOTAL LOAD CASES: (4)				CHORDS				PART 9 OF CBC 2012 (2019 AMENDMENT)			
				MEMB. MAX. FACTORED FORCE (LBS)				CSA 088-09, CSA 086-14			
				FACTORED VERT. LOAD (LBS)				TPIC 2011, TPIC 2014			
				MAX. FACTORED VERT. LOAD (LBS)				155 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD			
				MAX. FACTORED VERT. LOAD (LBS)				DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10			
				MAX. FACTORED VERT. LOAD (LBS)				COMP=1.10 SHEAR=1.10 TENS=1.10			
				MAX. FACTORED VERT. LOAD (LBS)				COMPANION LIVE LOAD FACTOR = 1.00			
				MAX. FACTORED VERT. LOAD (LBS)				TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.			
				MAX. FACTORED VERT. LOAD (LBS)				NAIL VALUES			
				MAX. FACTORED VERT. LOAD (LBS)				PLATE GRIP(DRY) SHEAR SECTION			
				MAX. FACTORED VERT. LOAD (LBS)				(PSI) (PLI) (PLI)			
				MAX. FACTORED VERT. LOAD (LBS)				MAX MIN MAX MIN MAX MIN			
				MAX. FACTORED VERT. LOAD (LBS)				MT20 618 354 1667 768 1987 1856			
				MAX. FACTORED VERT. LOAD (LBS)				PLATE PLACEMENT TOL. = 0.250 inches			
				MAX. FACTORED VERT. LOAD (LBS)				PLATE ROTATION TOL. = 5.0 Deg.			
				MAX. FACTORED VERT. LOAD (LBS)				JSI GRIP= 0.81 (C) INPUT = 0.90 J			
				MAX. FACTORED VERT. LOAD (LBS)				JSI METAL= 0.21 (E) INPUT = 1.00 J			



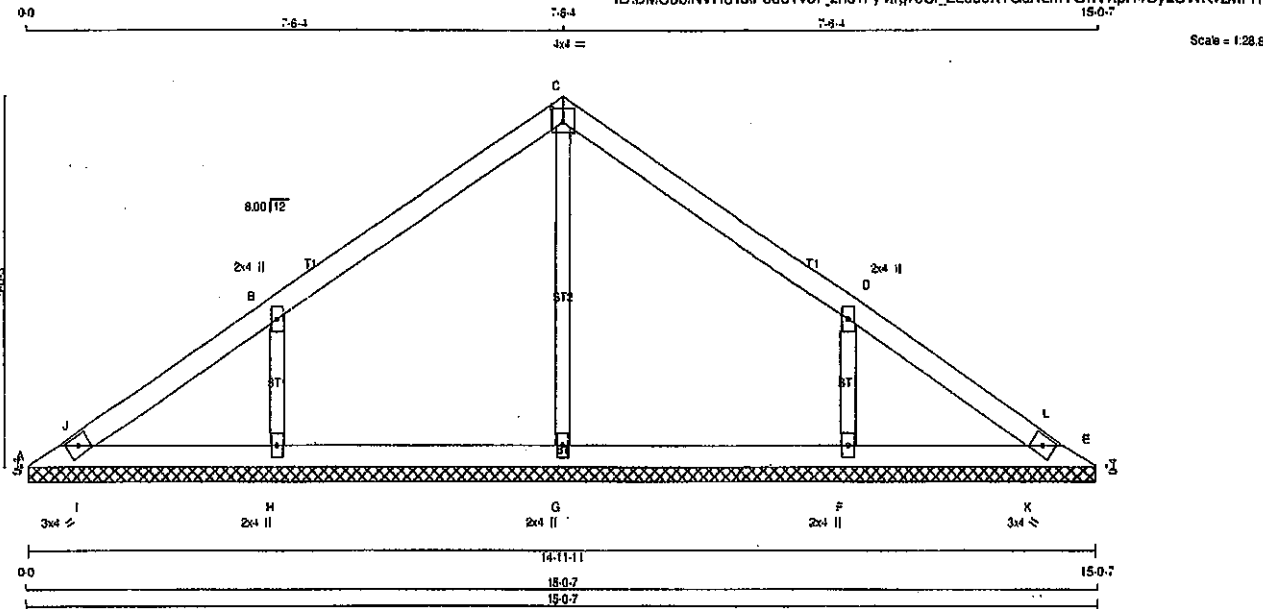
Structural component only
DWG# T-2007617

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

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 43 lb

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

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

BUILDING DESIGNER							
<u>BEARINGS</u>							
	FACTORED		MAXIMUM FACTORED		INPUT	REQD	
	GROSS REACTION		GROSS REACTION		BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
A	134	0	134	0	0	14-11-11	14-11-11
E	134	0	134	0	0	14-11-11	14-11-11
G	381	0	381	0	0	14-11-11	14-11-11
H	501	0	501	0	0	14-11-11	14-11-11
F	501	0	501	0	0	14-11-11	14-11-11

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
A	95	65	0	0	0	0	30	0
E	95	65	0	0	0	0	30	0
G	272	162	0	0	0	0	110	0
H	353	237	0	0	0	0	116	0
F	353	237	0	0	0	0	116	0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINTS A, E, G, H, F

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC2)	MAX. FACTORED VERT. LOAD (LC3)	MAX. FACTORED VERT. LOAD (LC4)	MAX. FACTORED VERT. LOAD (LC5)	MAX. FACTORED VERT. LOAD (LC6)	MAX. FACTORED VERT. LOAD (LC7)	MAX. FACTORED VERT. LOAD (LC8)	MAX. FACTORED VERT. LOAD (LC9)	MAX. FACTORED VERT. LOAD (LC10)
FR-TO													
A-J	-20	4	-91.8	-91.8	0.04 (1)	6.25	G-C	-316	0	0.11 (1)			
J-B	0	38	-91.8	-91.8	0.22 (1)	10.00	H-B	-406	0	0.08 (1)			
B-C	-5	12	-91.8	-91.8	0.21 (1)	10.00	F-D	-406	0	0.08 (1)			
C-D	-5	12	-91.8	-91.8	0.21 (1)	10.00	I-J	-46	6	0.00 (1)			
D-L	0	38	-91.8	-91.8	0.22 (1)	10.00	K-L	-46	6	0.00 (1)			
L-E	-20	4	-91.8	-91.8	0.04 (1)	6.25							
A-I	-13	0	-18.5	-18.5	0.08 (1)	6.25							
I-H	-10	3	-18.5	-18.5	0.08 (4)	6.25							
H-G	-13	0	-18.5	-18.5	0.08 (4)	6.25							
G-F	-13	0	-18.5	-18.5	0.08 (4)	6.25							
F-K	-10	3	-18.5	-18.5	0.08 (4)	6.25							
K-E	-13	0	-18.5	-18.5	0.08 (1)	6.25							

DESIGN CRITERIA

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

SPACING = 24.0 IN. OC

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

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

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

CSI: TO=0.22(1.00)(B-J); BC=0.06(1.00)(G-H); WB=0.11(1.00)(C-G); SSI=0.15(1.00)(B-C);

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

COMPANION LIVE LOAD FACTOR = 1.00

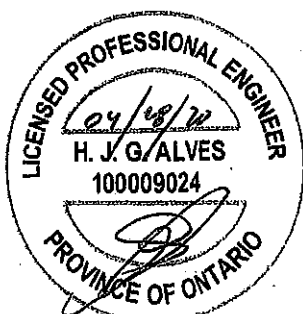
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

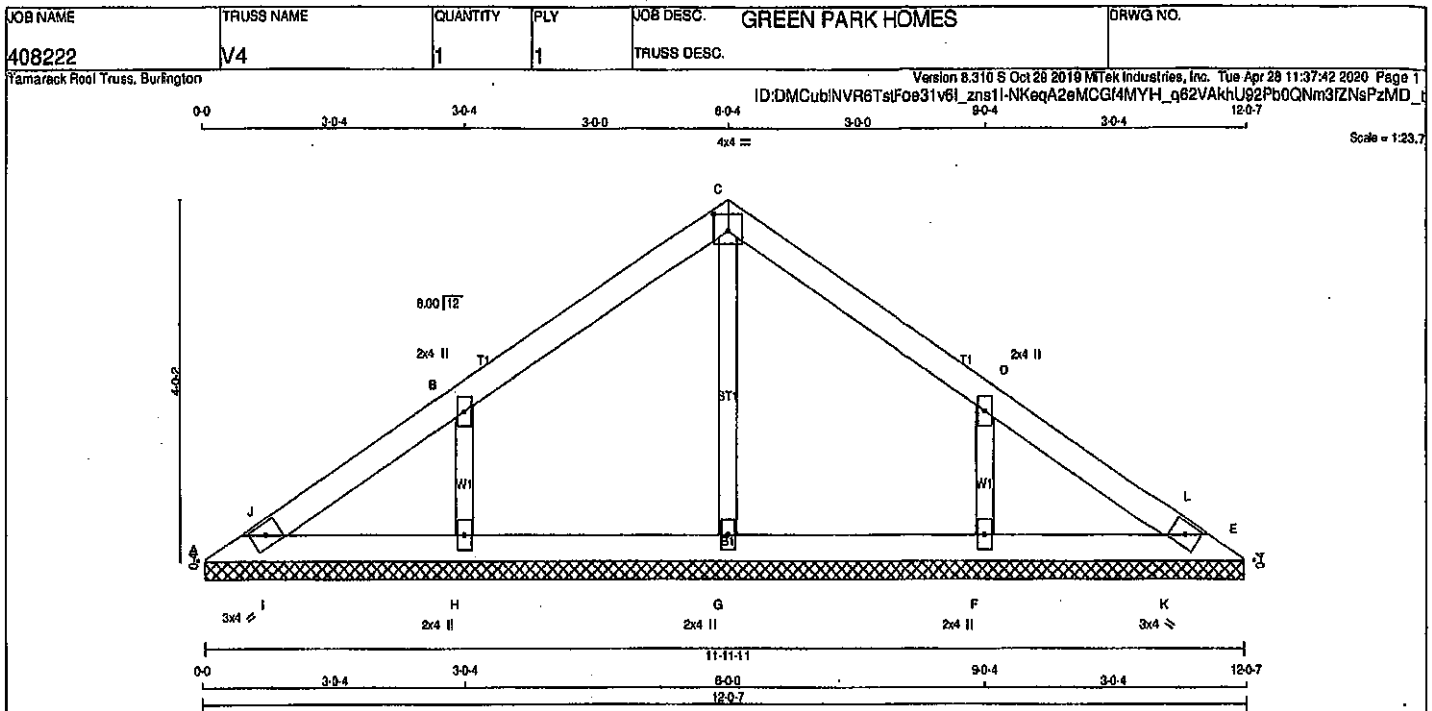
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

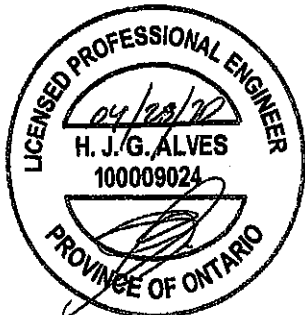
JSI GRIP = 0.28 (D) (INPUT = 0.90)
JSI METAL = 0.21 (D) (INPUT = 1.00)



Structural component only
DWG# T-2007618



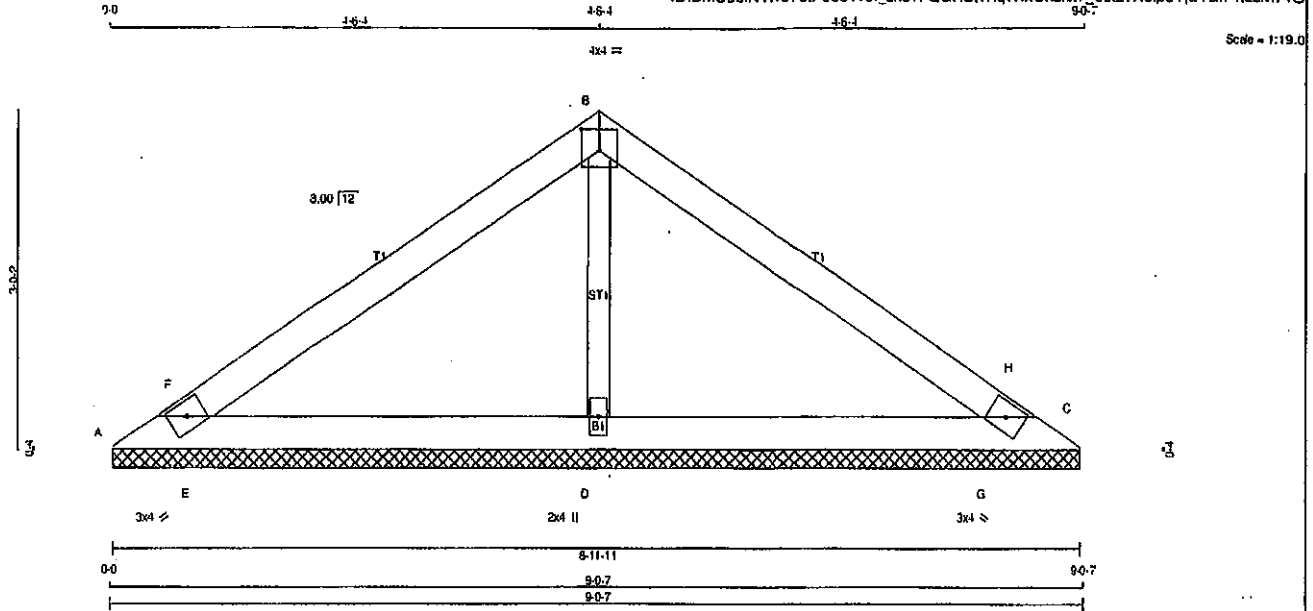
LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER				DESIGN CRITERIA			
N.L.G.A. RULES				BEARINGS				SPECIFIED LOADS:			
CHORDS	SIZE	LUMBER	DESCR.	FACTORED	MAXIMUM FACTORED	INPUT	REQD	TOP CH.	LL	25.6	PSF
A - C	2x4	DRY	No.2	GROSS REACTION	GROSS REACTION	BRG	BRG	DL	8.0	PSF	
C - E	2x4	DRY	No.2	VERT	HORIZ	UPLIFT	IN-SX	BOT CH.	LL	0.0	PSF
A - E	2x4	DRY	No.2	JT				DL	7.4	PSF	
ALL WEBS 2x3 DRY: SEASONED LUMBER.				A	117	0	11-11-11	TOTAL LOAD	39.0	PSF	
				E	117	0	11-11-11	SPACING = 24.0 IN/C			
				G	290	0	11-11-11	THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015			
				F	398	0	11-11-11	THIS DESIGN COMPLIES WITH:			
				H	398	0	11-11-11	- PART 9 OF CBC 2018, CBC 2012, ABC 2019			
				UNFACTORED REACTIONS				- PART 9 OF CBC 2012 (2019 AMENDMENT)			
				1ST CASE				- CSA 086-09, CSA 086-14			
				MAX. MIN. COMPONENT REACTIONS				- TPIC 2011, TPIC 2014			
				JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
				A	83	58.0	0.0	0.0	0.0	28.0	0.0
				E	83	58.0	0.0	0.0	0.0	28.0	0.0
				G	207	125.0	0.0	0.0	0.0	82.0	0.0
				F	281	188.0	0.0	0.0	0.0	93.0	0.0
				H	281	188.0	0.0	0.0	0.0	93.0	0.0
				BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) A, E, G, F, H							
				BRACING							
				TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 FT.							
				MAX. UNBRACED BOTTOM CHORD LENGTH = 6.25 FT OR RIGID CEILING DIRECTLY APPLIED.							
				ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.							
				LOADING							
				TOTAL LOAD CASES: (4)							
				CHORDS				WEBS			
				MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	
				FR-TO		FROM TO	CSI (LC)	UNBRACED LENGTH	FR-TO		
				A-J	-8.5	-91.8	-91.8	0.03 (1)	G-C	-248.0	0.08 (1)
				J-B	0.736	-91.8	-91.8	0.13 (1)	F-D	-314.0	0.05 (1)
				B-C	0.712	-91.8	-91.8	0.13 (1)	H-B	-314.0	0.05 (1)
				C-D	0.712	-91.8	-91.8	0.13 (1)	I-J	-47.4	0.00 (1)
				D-L	0.736	-91.8	-91.8	0.13 (1)	K-L	-47.4	0.00 (1)
				L-E	-8.5	-91.8	-91.8	0.03 (1)			
				A-I	-13.0	-18.5	-18.5	0.05 (1)			
				I-H	-10.0	-18.5	-18.5	0.05 (1)			
				H-G	-20.0	-18.5	-18.5	0.04 (4)			
				G-F	-20.0	-18.5	-18.5	0.04 (4)			
				F-K	-10.0	-18.5	-18.5	0.05 (1)			
				K-E	-13.0	-18.5	-18.5	0.05 (1)			
				NAIL VALUES							
				PLATE GRIP (DRY) SHEAR SECTION							
				(PSI) (PLI) (PLI)							
				MAX MIN MAX MIN MAX MIN							
				MT20 818 354 1687 788 1987 1856							
				PLATE PLACEMENT TOL. = 0.250 inches							
				PLATE ROTATION TOL. = 5.0 Deg.							
				JSI GRIP = 0.22 (D) (INPUT = 0.90)							
				JSI METAL = 0.16 (B) (INPUT = 1.00)							



Structural component only
DWG# T-2007619

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408222	V5	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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TOTAL WEIGHT = 23 lb (M)

LUMBER	N.L.G.A. RULES	CHORDS	SIZE	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 (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
A - B	TBM1-h	MT20	3.0	4.0		
B - C	TTW-p	MT20	4.0	4.0	2.25	2.00
C - B	TBM1-h	MT20	3.0	4.0		
D - B	BMW1-w	MT20	2.0	4.0		

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS REACTION	GROSS REACTION	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	BRG
A	49	0	49	0	0	8-11-11	8-11-11		
C	49	0	49	0	0	8-11-11	8-11-11		
D	893	0	893	0	0	8-11-11	8-11-11		

UNFACTORED REACTIONS

JT	1ST LOASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
A	34	22.0	0.0	0.0	0.0	0.0	12.0	0.0
C	34	22.0	0.0	0.0	0.0	0.0	12.0	0.0
D	631	415.0	0.0	0.0	0.0	0.0	216.0	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 = 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		FACTORED		WEBS		FACTORED	
MEMB.	MAX. FACTORED	VERT. LOAD	MAX. FACTORED	MEMB.	MAX. FACTORED	VERT. LOAD	MAX. FACTORED
FR-TO	FORCE (LBS)	FROM TO	CS1 (LC)	UNBRAC	FORCE (LBS)	CS1 (LC)	UNBRAC
A - F	0 347	-91.8 -91.8 0.12 (1)	10.00	D - B	-698 0	0.12 (1)	
F - B	0 341	-91.8 -91.8 0.23 (1)	10.00	E - F	-225 0	0.00 (1)	
B - H	0 341	-91.8 -91.8 0.23 (1)	10.00	G - H	-225 0	0.00 (1)	
H - C	0 347	-91.8 -91.8 0.12 (1)	10.00				
A - E	-321 0	-18.5 -18.5 0.16 (1)	6.25				
E - D	-290 0	-18.5 -18.5 0.17 (1)	6.25				
D - G	-290 0	-18.5 -18.5 0.17 (1)	6.25				
G - C	-321 0	-18.5 -18.5 0.16 (1)	6.25				

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

(55% OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

CS1: TC=0.23:1.00 (B-F:1), BC=0.17:1.00 (D-E:1), WB=0.12:1.00 (B-D:1), SS1=0.12:1.00 (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 618 354 1667 768 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JS1 GRIP= 0.59 (B) (INPUT = 0.90)
JS1 METAL= 0.20 (B) (INPUT = 1.00)



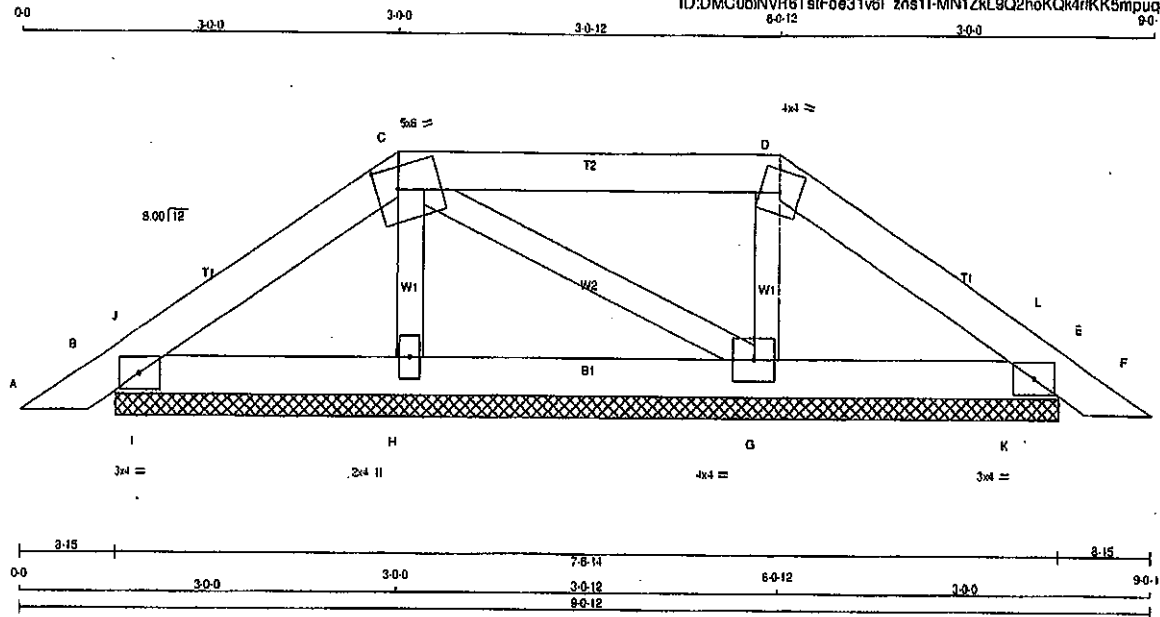
Structural component only
DWG# T-2007620

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408222	PB1	2	1	GREEN PARK HOMES	
				TRUSS DESC.	

Tamarack Roof Truss, Burlington

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Scale = 1:16.4



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - C	2x4	DRY	No.2
C - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
B - E	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	TM81-I	MT20	3.0 4.0
C	TTW-m	MT20	5.0 6.0 2.00 2.00
D	TTW-m	MT20	4.0 4.0
E	TM81-I	MT20	3.0 4.0
G	BMW1-I	MT20	4.0 4.0
H	BMW1-w	MT20	2.0 4.0

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

BEARINGS			
JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT REQD BRG
	VERT	HORZ	DOWN
B	221	0	221
E	209	0	209
H	248	0	248
G	280	0	280

UNFACTORED REACTIONS			
JT	1ST LCASE COMBINED	MAX. MIN. COMPONENT REACTIONS	
		SNOW	LIVE
B	154	113	0
E	146	108	0
H	178	109	0
G	190	127	0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)
A-B	0 15	-91.8	10.00
B-J	-63 0	-91.8	10.00
J-C	-75 0	-91.8	10.00
C-D	-30 0	-91.8	10.00
D-L	-54 0	-91.8	10.00
L-E	-41 0	-91.8	10.00
E-F	0 15	-91.8	10.00
B-I	0 60	-18.5	10.00
I-H	0 60	-18.5	10.00
H-G	0 48	-18.5	10.00
G-K	0 43	-18.5	10.00
K-E	0 43	-18.5	10.00

TOTAL WEIGHT = 2 X 25 = 50 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 5.00:12

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

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

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

CSI: TC=0.15 (C-D), BC=0.06 (B-I), WB=0.03 (I-D), SSI=0.11 (D-D)

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 (PSI)	DRY (PLI)	SHEAR (PLI)
MT20	618	354	1867

PLATE PLACEMENT TOL. = 0.250 inches

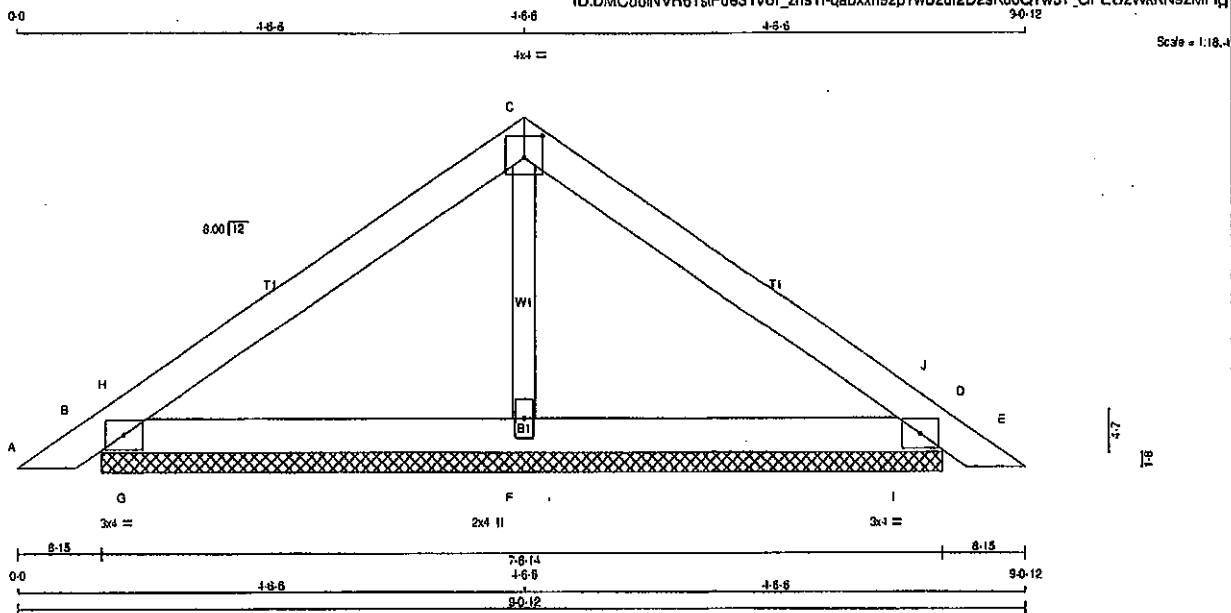
PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2007600

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408222	PB2	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		Version 8.310 S Oct 29 2019 MTek Industries, Inc. Tue Apr 28 09:00:03 2020 Page 1			
		ID:DMCubINVR6TstFoe31v6l_zns1l-qabxxh92p?w82ur2D2sKJ0Q?w31_GPEUzWkKN9zMFig			



TOTAL WEIGHT = 2 X 23 = 46 lb (M)

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		
B - D	2x4	DRY	No.2	SPF		
ALL WEBS	2x3	DRY	No.2	SPF		
DRY: SEASONED LUMBER.						

PLATES (tablets in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TM81-1	MT20	3.0	4.0		
C	TTW-p	MT20	4.0	4.0	2.25	2.00
D	TM81-1	MT20	3.0	4.0		
F	BMW1-w	MT20	2.0	4.0		

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
	VERT	HORZ	DOWN	HORZ	IN-SX	IN-SX		
B	318	0	318	0	0	7-8-14	7-8-14	
D	318	0	318	0	0	7-8-14	7-8-14	
F	320	0	320	0	0	7-8-14	7-8-14	

UNFACTORED REACTIONS

1ST LCASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
B	223	159 0	0 0	0 0	0 0	83 0	0 0
D	223	159 0	0 0	0 0	0 0	83 0	0 0
F	223	137 0	0 0	0 0	0 0	92 0	0 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MAX. UNBRACED LENGTH (FT)
FR-TO				FR-TO			
A-B	0 15	-91.8 -91.8 0.03 (1)	10.00	F-C	-148 0	0.03 (1)	
B-H	-31 0	-91.8 -91.8 0.07 (1)	8.25	G-H	-349 0	0.00 (1)	
H-C	-135 0	-91.8 -91.8 0.16 (1)	6.25	I-J	-349 0	0.00 (1)	
C-J	-135 0	-91.8 -91.8 0.16 (1)	6.25				
J-D	-31 0	-91.8 -91.8 0.07 (1)	6.25				
D-E	0 15	-91.8 -91.8 0.03 (1)	10.00				
B-G	0 105	-18.5 -18.5 0.15 (1)	10.00				
G-F	0 105	-18.5 -18.5 0.15 (1)	10.00				
F-I	0 105	-18.5 -18.5 0.15 (1)	10.00				
I-D	0 105	-18.5 -18.5 0.15 (1)	10.00				

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. GC

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

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

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

CSI: TC=0.18 (C-J), BC=0.15 (F-I), WB=0.03 (C-F), SB=0.26 (I-D)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

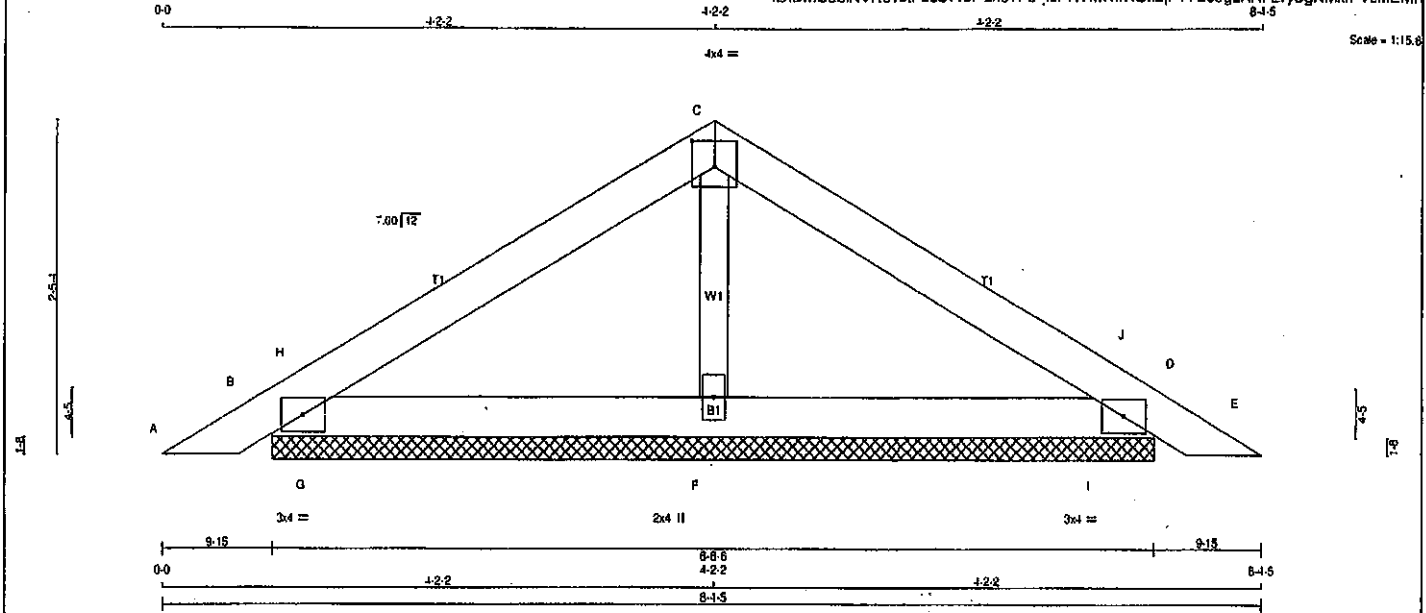
JSI GRIP = 0.28 (D) (INPUT = 0.90)
JSI METAL = 0.07 (D) (INPUT = 1.00)



Structural component only
DWG# T-2007601

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408223	PB20	4	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:DMCubINVR6TsIFoe3iv6l 2ns11-6 jzPKYM7hrKOxBjFY7B9Jg2AAAFery9gNMKIPVzMEMn



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

PLATES (tablets in inches)	W	LEN	Y	X
JT TYPE PLATES				
B TMB1-I	MT20	3.0	4.0	
C TTW-P	MT20	4.0	4.0	2.25 2.00
D TMB1-I	MT20	3.0	4.0	
F BMW1+V	MT20	2.0	4.0	

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

BEARINGS	FACTORED	GROSS REACTION	MAXIMUM FACTORED	INPUT	REQD
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
B	281	0	281	0	0
D	281	0	281	0	0
F	314	0	314	0	0

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

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

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

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC2)	MAX. FACTORED VERT. LOAD (LC3)	MAX. FACTORED VERT. LOAD (LC4)	MAX. FACTORED VERT. LOAD (LC5)	MAX. FACTORED VERT. LOAD (LC6)	MAX. FACTORED VERT. LOAD (LC7)	MAX. FACTORED VERT. LOAD (LC8)	MAX. FACTORED VERT. LOAD (LC9)	MAX. FACTORED VERT. LOAD (LC10)
FR-TO													
A-B	0	16	-91.8	-91.8	0.04 (1)	10.00							
B-H	-44	0	-91.8	-91.8	0.05 (1)	6.25							
H-C	-99	0	-91.8	-91.8	0.12 (1)	6.25							
C-J	-99	0	-91.8	-91.8	0.12 (1)	6.25							
J-D	-44	0	-91.8	-91.8	0.05 (1)	6.25							
D-E	0	16	-91.8	-91.8	0.04 (1)	10.00							
B-G	0	81	-18.5	-18.5	0.12 (1)	10.00							
G-F	0	81	-18.5	-18.5	0.12 (1)	10.00							
F-I	0	81	-18.5	-18.5	0.12 (1)	10.00							
I-D	0	81	-18.5	-18.5	0.12 (1)	10.00							

DESIGN CRITERIA

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

SPACING = 24.0 IN. CG

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 084-08, CSA 084-14
- TPIC 2011, TPIC 2014

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

CSI: TC=0.12/1.00 (C-H:1), BC=0.12/1.00 (B-G:1), WB=0.02/1.00 (C-F:1), SS=0.18/1.00 (D-I:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

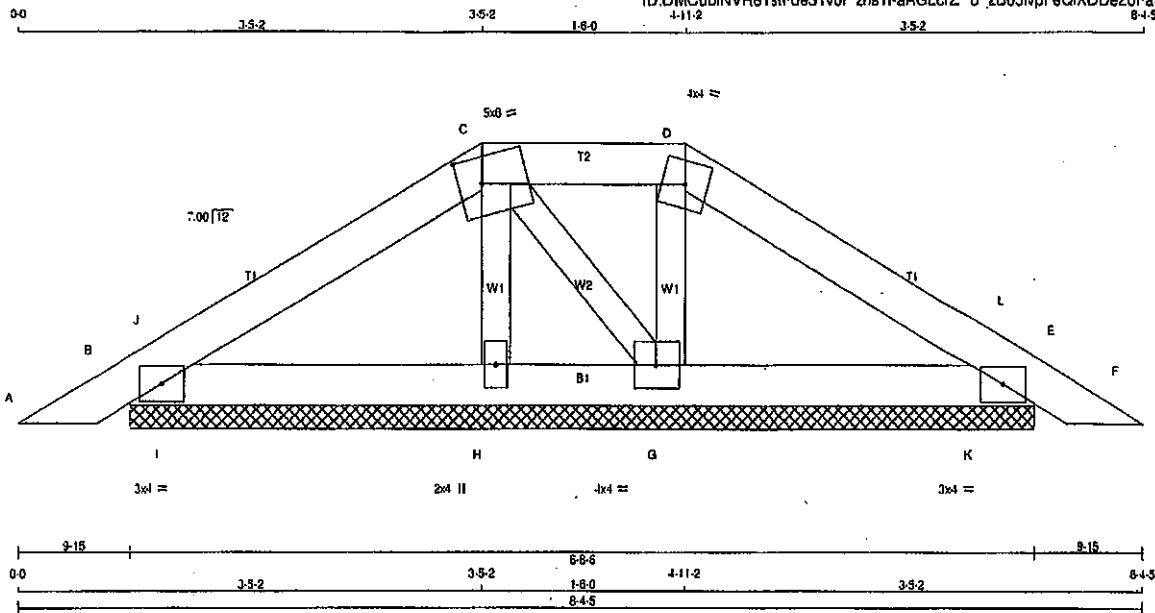


Structural component only
DWG# T-2007627

JOB NAME 408223	TRUSS NAME PB21	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:DMCubINVR6TstFoe3tv6f zns11-aAGLdZ u zB05lvpFeQIXDDeZbFaPRpb0UDxxzMEMm



Scale = 1/16" = 1'-0"

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

PLATES (tablets in inches)	W	LEN	Y	X
JT TYPE PLATES				
B TMB1-I	MT20	3.0	4.0	
C TTW-m	MT20	5.0	6.0	2.25 2.00
D TTW-m	MT20	4.0	4.0	
E TMB1-I	MT20	3.0	4.0	
G BMWV1-I	MT20	4.0	4.0	
H BMW1-w	MT20	2.0	4.0	

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
			UPLIFT	IN-SX
				IN-SX
B	241	0	241	0
E	228	0	228	0
H	170	0	170	0
G	238	0	238	0

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
	COMBINED						
B	169	121.0	0.0	0.0	0.0	48.0	0.0
E	160	114.0	0.0	0.0	0.0	46.0	0.0
H	122	74.0	0.0	0.0	0.0	48.0	0.0
G	168	111.0	0.0	0.0	0.0	57.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

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

DESIGN CRITERIA

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

SPACING = 24.0 IN. GC.

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

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

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

CSI: TC=0.07 1.00 (D-L); 80=0.07 1.00 (B-I); WB=0.02 1.00 (D-G); SSI=0.11 1.00 (E-K);

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 = 0.19 (B) (INPUT = 0.90)
JSI METAL = 0.05 (D) (INPUT = 1.00)



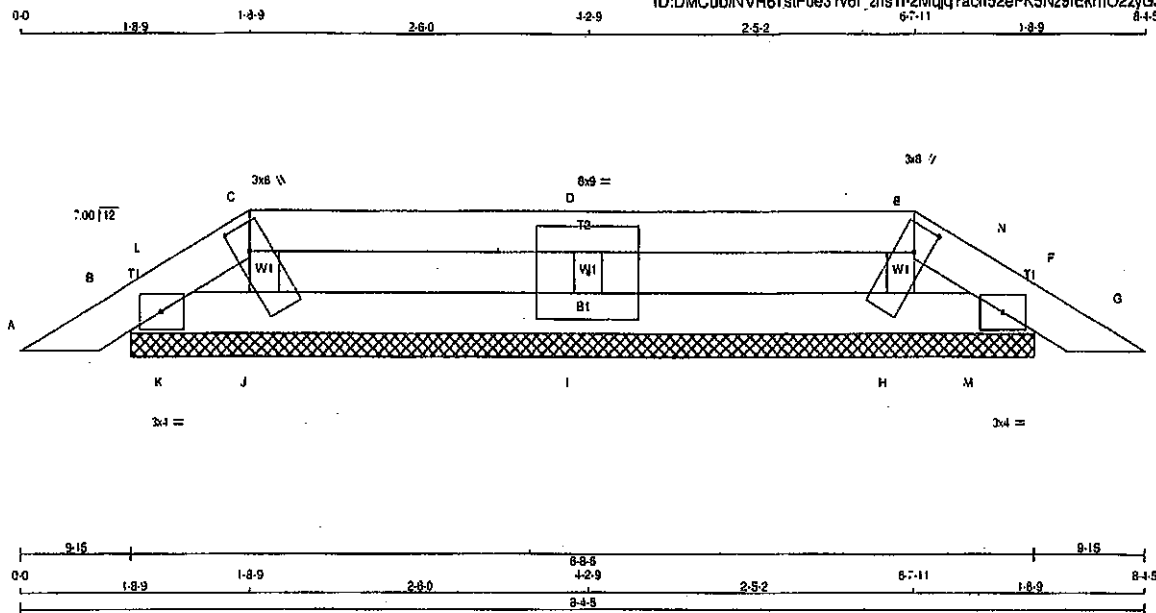
Structural component only
DWG# T-2007628

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408223	PB22	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					

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Scale = 1:15.2



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

PLATES (table in inches)					
JT	TYPE	PLATES	W	LEN	X
B	TMB1-I	MT20	3.0	4.0	
C, D, E, H, I, J					
C	TTBW1+H	MT20	3.0	8.0	2.25 1.25
D	TMBW1-I	MT20	8.0	9.0	
E	TTBW1+H	MT20	3.0	8.0	2.25 1.25
F	TMB1-I	MT20	3.0	4.0	

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	VERT	GROSS REACTION	GROSS REACTION	BRG	BRG
B	151	0	151	0	0
F	152	0	152	0	0
J	125	0	125	0	0
H	120	0	120	0	0
I	330	0	330	0	0

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
B	105	83	0	0	0	21	0
F	105	83	0	0	0	22	0
J	90	49	0	0	0	41	0
H	85	47	0	0	0	39	0
I	232	158	0	0	0	74	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED	FACTORED	MAX	MEMB.	MAX. FACTORED	MAX	
	FORCE	VERT. LOAD	LC1		FORCE	MAX	
	(LBS)	(PLF)	CS1 (LC)		(LBS)	CS1 (LC)	
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	0 16	-91.8	-91.8 0.04 (1)	10.00	J-C	-95 0	0.01 (1)
B-L	-53 0	-91.8	-91.8 0.04 (1)	6.25	H-E	-92 0	0.01 (1)
L-C	-22 0	-91.8	-91.8 0.01 (1)	6.25	I-D	-282 0	0.04 (1)
C-D	0 3	-91.8	-91.8 0.09 (1)	10.00	K-L	-1 12	0.00 (1)
D-E	0 3	-91.8	-91.8 0.09 (1)	10.00	M-N	0 13	0.00 (1)
E-N	-21 0	-91.8	-91.8 0.01 (1)	6.25			
N-F	-52 0	-91.8	-91.8 0.04 (1)	6.25			
F-G	0 16	-91.8	-91.8 0.04 (1)	10.00			
B-K	0 14	-18.5	-18.5 0.01 (1)	10.00			
K-J	0 14	-18.5	-18.5 0.02 (4)	10.00			
J-I	-3 0	-18.5	-18.5 0.02 (4)	10.00			
I-H	-3 0	-18.5	-18.5 0.02 (4)	10.00			
H-M	0 14	-18.5	-18.5 0.01 (1)	10.00			
M-F	0 14	-18.5	-18.5 0.01 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.8 PSF
DL = 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, OSC 2012, ABC 2019
- PART 9 OF OSC 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

CS1: TC=0.09:1.00 (D-E:1), BC=0.02:1.00 (I-J:4),
WB=0.04:1.00 (D:1), SS1=0.11:1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

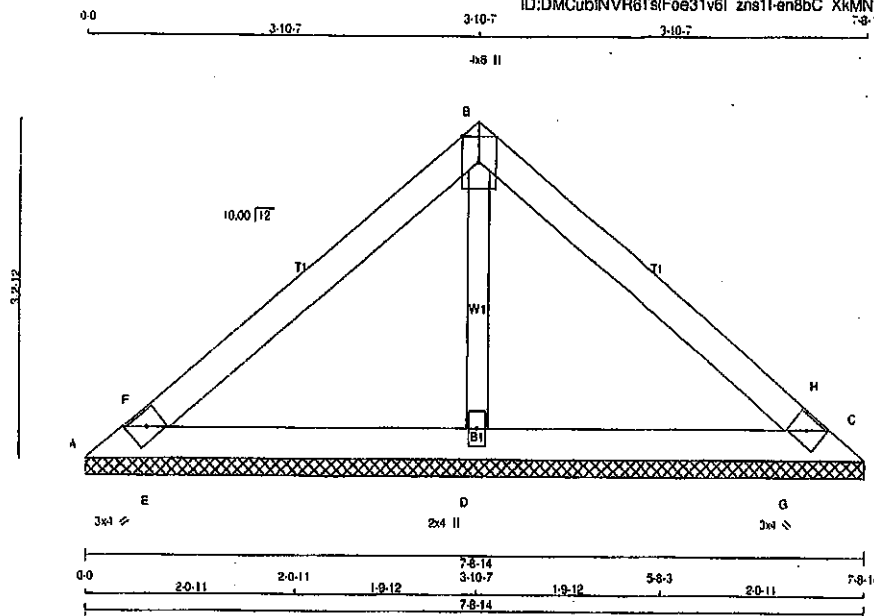
JS1 GRIP = 0.13 (C) (INPUT = 0.90)
JS1 METAL = 0.04 (C) (INPUT = 1.00)



Structural component only
DWG# T-2007629

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408223	P20	17	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:DMCubINVR6Ts(F0e31v6I zns1I-en8bC XkMNjUnocWiqbyd68sgmus6UHW8I76I2zMEMo



Scale = 1/20"

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	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 (table is in inches)	JT	TYPE	PLATES	W	LEN	Y	X
A - B	TBM1-h	MT20	3.0	4.0			
B - C	TTW+p	MT20	4.0	6.0	Edge		
C - B	TBM1-h	MT20	3.0	4.0			
D - B	BMW1-w	MT20	2.0	4.0			

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
A	60	0	60	0
C	60	0	60	0
D	733	0	733	0

UNFACTORED REACTIONS

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

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 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 LC1 (PLF)	MAX. GSI (LC)	UNBRAC LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. GSI (LC)
FR-TO						FR-TO			
A-F	0	227	-91.8	-91.8	0.09 (1)	10.00	D-B	-558	0
F-B	0	219	-91.8	-91.8	0.17 (1)	10.00	E-F	-199	0
B-H	0	219	-91.8	-91.8	0.17 (1)	10.00	G-H	-199	0
H-C	0	228	-91.8	-91.8	0.09 (1)	10.00			
A-E	-207	0	-18.5	-18.5	0.13 (1)	8.25			
E-D	-174	0	-18.5	-18.5	0.13 (1)	8.25			
D-G	-174	0	-18.5	-18.5	0.13 (1)	8.25			
G-C	-207	0	-18.5	-18.5	0.13 (1)	8.25			

TOTAL WEIGHT = 17 X 21 = 357 lb (M)

DESIGN CRITERIA

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

SPACING = 24.0 IN. GC

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

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

CSI: TC=0.17 (B-F:1), BC=0.13/1.00 (D-E:1), WB=0.10/1.00 (B-D:1), SSI=0.11-1.00 (C-G:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

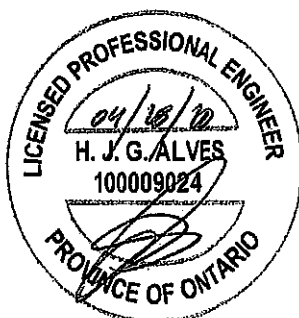
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

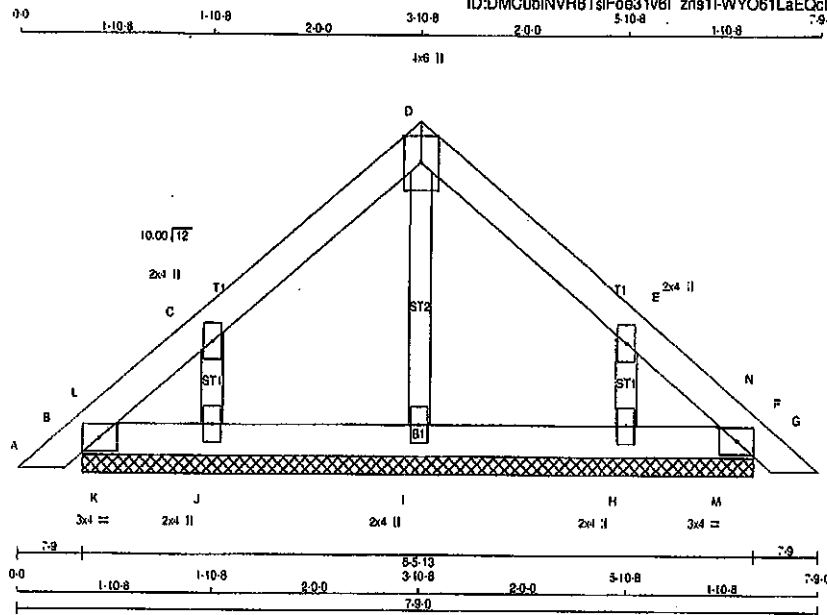
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.29 (D) (INPUT = 0.90)
JSI METAL = 0.12 (D) (INPUT = 1.00)



Structural component only
DWG# T-2007626

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



TOTAL WEIGHT = 2 X 22 = 45 lb

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

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MAX. FACTORED FORCE (LBS)

VERT. LOAD (PLF)

CS (I/C)

MAX. FACTORED FORCE (LBS)

CS (I/C)

WEBS

MAX. FACTORED FORCE (LBS)

CS (I/C)

FR-TO

FROM TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

FR-TO

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B TMB1-I	MT20	3.0	4.0	1.50	2.00
C TMW+w	MT20	2.0	4.0		
D TTW+p	MT20	4.0	6.0	Edge	
E TMW+w	MT20	2.0	4.0		
F TMB1-I	MT20	3.0	4.0	1.50	2.00
H, I, J					
H BMW1+w	MT20	2.0	4.0		

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

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 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

CS: TC=0.05/1.00 (C-D:1), BC=0.02/1.00 (H-I:1), WB=0.03/1.00 (C-J:1), SS=0.07/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

MT20 918 354 1687 788 1987 1686

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

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

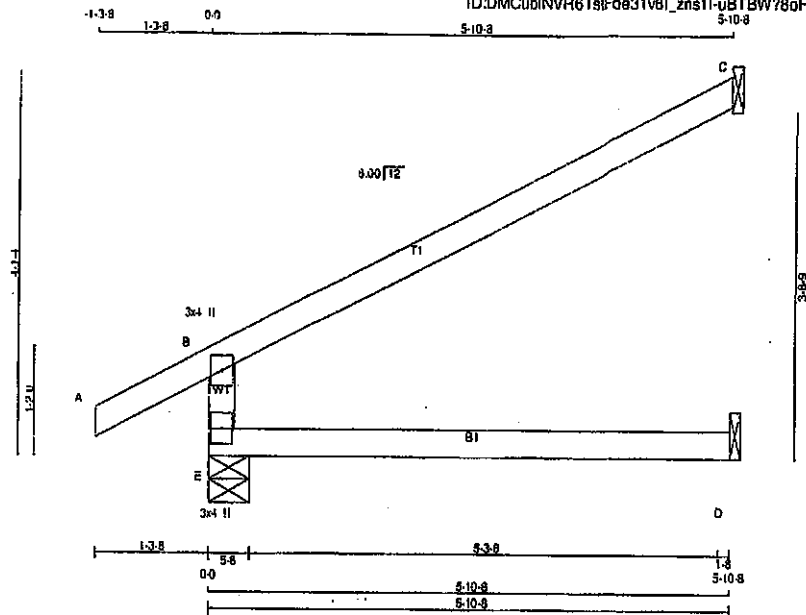


Structural component only
DWG# T-2007630

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
408222	J1	21	1	GREEN PARK HOMES		

Tamarack Roof Truss, Burlington

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

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

DRY: SEASONED LUMBER.

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
E	525	0	525	0
C	202	0	202	0
D	45	0	50	0

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

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	369	257	0	0	0	111	0
C	139	113	0	0	0	28	0
D	38	0	0	0	0	36	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS			WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LOI	MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB. MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM	TO			FR-TO	
E-B	-161	0	0.0	0.0	0.13 (14)		7.81
A-B	0	28	-91.8	-91.8	0.12 (11)	10.00	
B-C	-30	0	-91.8	-91.8	0.54 (11)	6.25	
E-D	0	0	-18.5	-18.5	0.13 (14)	10.00	

TOTAL WEIGHT = 21 X 17 = 353 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 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 DEFLECTION = L/360 (0.20")
CALCULATED VERT. DEFLECTION = L/999 (0.00")
ALLOWABLE DEFLECTION = L/360 (0.20")
CALCULATED VERT. DEFLECTION = L/999 (0.03")

CS: TC=0.54, 1.00 (B-C:1), BC=0.13, 1.00 (D-E:4), WB=0.00, 1.00 (A-B:0), SS=0.24, 1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



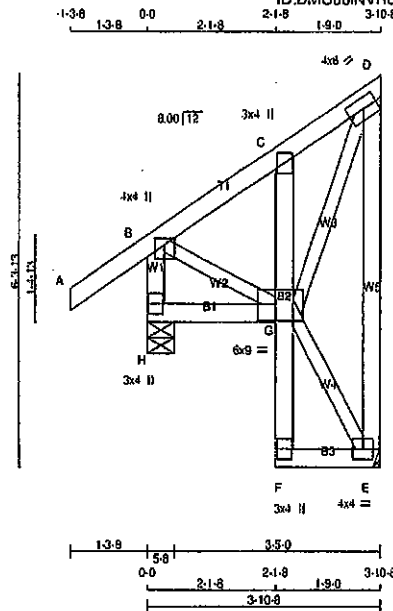
Structural component only
DWG# T-2007598

JOB NAME 408222	TRUSS NAME J2S	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
TRUSS DESC.					

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6f_zns11-uBTBW78oHNgUpbVf5dpsEblhFOVoUrBWCFEHzMFI



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

TOTAL WEIGHT = 4 X 31 = 125 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B - TMW+p	MT20	4.0	4.0	1.25	2.00
C - TMV+p	MT20	3.0	4.0		
D - TMWV-1	MT20	4.0	6.0	2.00	2.75
E - BMWV-1	MT20	4.0	4.0		
F - BMV+p	MT20	3.0	4.0		
G - BVMWW-1	MT20	6.0	9.0	3.25	3.50
H - BMV1+p	MT20	3.0	4.0		

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	HORZ	DOWN	HORZ
H	332	0	332	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

JT	1ST LOASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
H	232	168	0	0	0	0	58	0
E	145	95	0	0	0	0	50	0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINTS 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)

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

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. OC

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-08, 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 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = 1.360 (0.19")
CALCULATED VERT. DEFL. (LL) = 1.989 (0.00")
ALLOWABLE DEFL. (TL) = 1.360 (0.19")
CALCULATED VERT. DEFL. (TL) = 1.989 (0.00")

CSI: TC=0.14 (A-B:5), BC=0.03 (1.00 (G-H:4), WS=0.08 (1.00 (D-E:1), SS=0.09 (1.00 (A-B:5)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

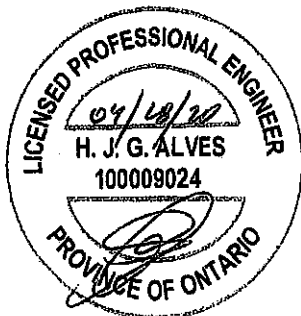
NAIL VALUES

PLATE	GRIP (DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
	MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1687 788	1987 1558

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



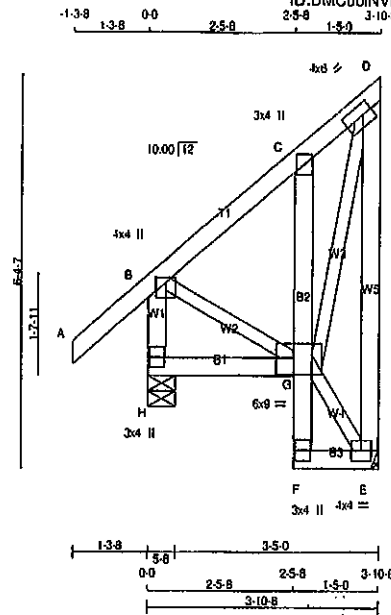
Structural component only
DWG# T-2007599

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408223	J20S	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/32"

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

PLATES (table is in inches)	PLATES	W	LEN	Y	X
JT TYPE	MT20	4.0	4.0	1.00	2.00
B	TMVW+p	MT20	3.0	4.0	
C	TMV+p	MT20	3.0	4.0	
D	TMVW+p	MT20	4.0	6.0	2.00
E	BMVW1-i	MT20	4.0	4.0	
F	BMV+p	MT20	3.0	4.0	
G	BMVWVW1-i	MT20	6.0	9.0	3.25
H	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
	VERT	HORZ	DOWN	HORZ		
H	333	0	333	0	5-8	5-8
E	208	0	208	0	MECHANICAL	

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

UNFACTORED REACTIONS

JT	1ST LOASE		MAX. MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
H	233	186	0	0	0	67	0
E	145	95	0	0	0	50	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS					WEBS					
MEMB.	MAX. FORCE (LBS)	FACTORED	VERT. LOAD (PLF)	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FORCE (LBS)	FACTORED	MAX. CSI (LC)	
FR-TO			FROM	TO		FR-TO				
H-B	-309	0	0.0	0.0	0.03 (1)	7.81	B-G	0	70	0.02 (1)
A-B	0	41	-91.8	-91.8	0.14 (5)	10.00	E-D	-185	0	0.08 (1)
B-C	-70	0	-91.8	-91.8	0.07 (1)	6.25	G-E	-13	0	0.00 (1)
C-D	-92	0	-91.8	-91.8	0.06 (1)	6.25	G-D	0	215	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	-218	0	0.0	0.0	0.02 (1)	7.81				
F-E	0	8	-18.5	-18.5	0.01 (4)	10.00				

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 2 X 33 = 66 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

155 % OF 31.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.14/1.00 (A-B-5), BC=0.04/1.00 (G-H-4), WB=0.08/1.00 (D-E-1), SS=0.09/1.00 (A-B-5)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT REEL ONLY

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

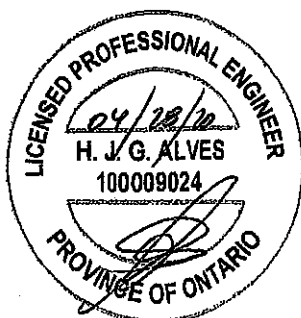
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1607 768

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

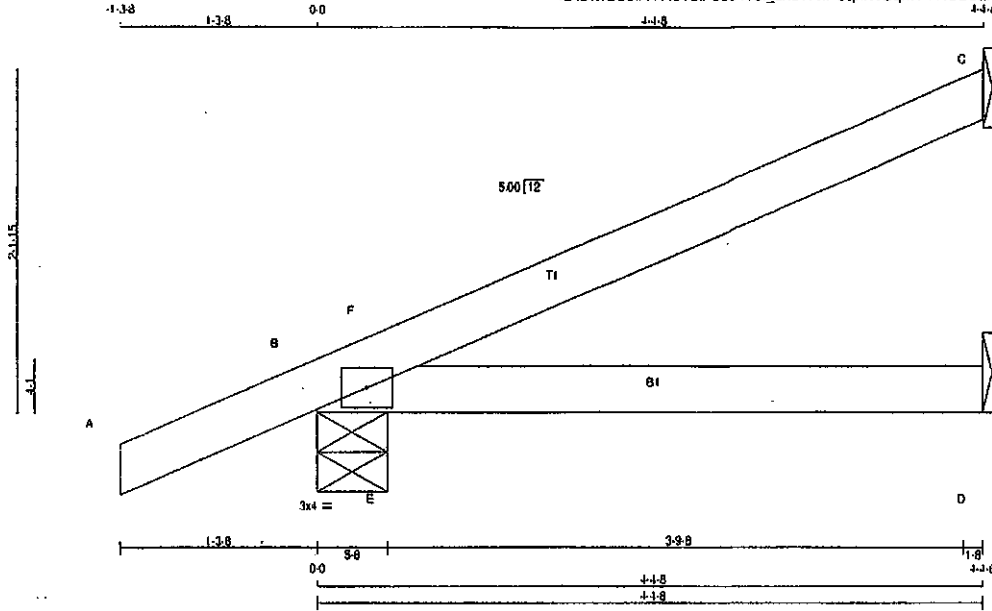
JSI GRIP= 0.24 (B) (INPUT = 0.90)
JSI METAL= 0.08 (C) (INPUT = 1.00)



Structural component only
DWG# T-2007623

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408223	J21	4	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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TOTAL WEIGHT = 4 X 12 = 48 lb (M)

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

DRY: SEASONED LUMBER.

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

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

BEARINGS	FACTORED	GROSS REACTION	MAXIMUM FACTORED	INPUT	RECORD
JT	VERT	HORZ	GROSS REACTION	BRG	BRG
C	175	0	175	0	1-8
B	365	0	365	0	5-8
D	67	0	67	0	1-8

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

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	121	94	0	0.0	0.0	0.0	27	0
B	256	181	0	0.0	0.0	0.0	75	0
D	50	18	0	0.0	0.0	0.0	32	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LCI (PLF)	MAX. MEMB. FORCE (LBS)	MAX. FORCE (LBS)
FR-TO		FROM TO	LENGTH FR-TO	
A-B	0 23	-91.8 -91.8 0.12 (1)	10.00	E-F -235 7 0.00 (1)
B-F	-17 13	-91.8 -91.8 0.04 (4)	6.25	
F-C	-1 2	-91.8 -91.8 0.23 (1)	10.00	
B-E	0 0	-18.5 -18.5 0.16 (1)	10.00	
E-D	0 0	-18.5 -18.5 0.16 (1)	10.00	

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, NBC 2015
- PART 9 OF NBC 2012, NBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

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

CSI: TC=0.23/1.00 (C-F:1), BC=0.16/1.00 (D-E:1),
WB=0.00/1.00 (E-F:1), SSI=0.19/1.00 (B-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION (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 = 0.26 (B) (INPUT = 0.90)
JSI METAL = 0.07 (B) (INPUT = 1.00)

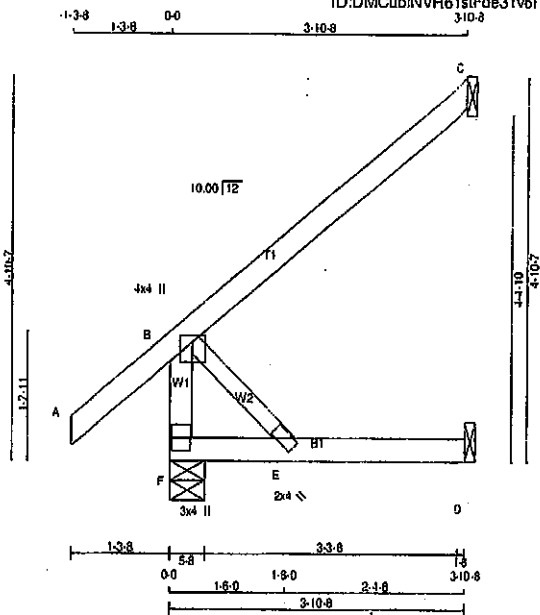


Structural component only
DWG# T-2007624

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408223	J22	3	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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



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

PLATES (table is in inches)						
JT	TYPE	PLATES	W.	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
E	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 GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	HORZ	DOWN	HORZ
F	341	0	341	0
C	178	0	178	0
D	36	0	40	0

SEE MTEK STANDARD DETAIL B97781H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS	1ST CASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
JT	COMBINED	SNOW	LIVE			
F	239	170	0	0	0	0
C	122	99	0	0	0	0
D	29	0	0	0	0	0

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

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

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

LOADING
TOTAL LOAD CASES: (5)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC)	UNBRACED LENGTH	FR-TO
F-B	-305	0	0.0	0.0	0.03 (1)	7.81
A-B	0	41	-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

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

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

CSI: TC=0.23 (1.00 (B-C:1), BC=0.08 (1.00 (D-E:4), WB=0.00 (1.00 (B-E:1), SSI=0.11 (1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION
(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= 0.24 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)

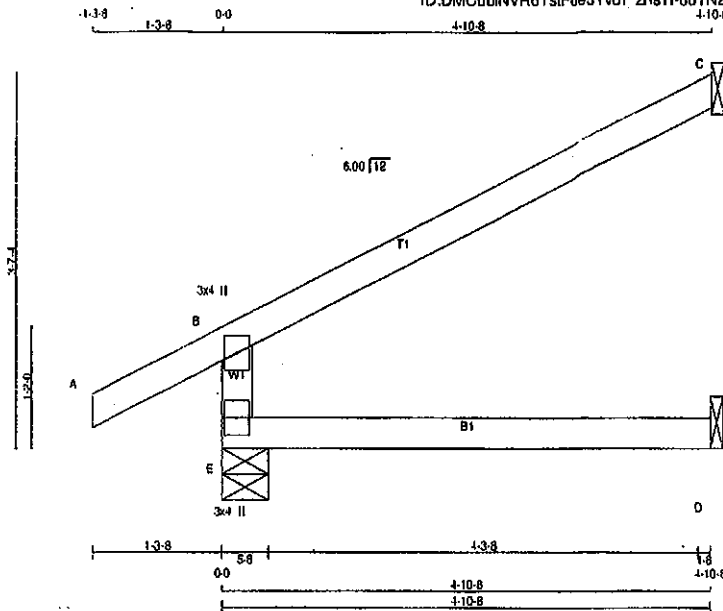


Structural component only
DWG# T-2007625

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	J40	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

Tamarack Roof Truss, Burlington

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Scale = 1:20.5

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

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

BUILDING DESIGNER

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	UPLIFT
E	456	0	456	0
C	168	0	168	0
D	38	0	42	0

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	320	225	0	0.0	0.0	0.0	95	0.0
C	118	94	0	0.0	0.0	0.0	22	0.0
D	30	0	0	0.0	0.0	0.0	30	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED	FACTORED	MAX. FACTORED	MEMB.	MAX. FACTORED	FACTORED	MAX. FACTORED
	FORCE	VERT. LOAD	LC1 MAX		FORCE	MAX. FACTORED	FACTORED
	(LBS)	(PLF)	CSI (LC)		(LBS)	CSI (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
E-B	-404	0.0	0.0	0.09 (4)	7.81		
A-B	0	28	-91.8	-91.8	0.12 (1)	10.00	
B-C	-25	0	-91.8	-91.8	0.37 (1)	6.25	
E-D	0	0	-18.5	-18.5	0.09 (4)	10.00	

DESIGN CRITERIA

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

SPACING = 24.0 IN. 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, CBC 2012, ABC 2010
- 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.

155 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.18")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.18")
CALCULATED VERT. DEFL.(TL) = L/999 (0.02")

CSK TC=0.37 (B-C:1), BC=0.09 (1.00 (D-E:4), WB=0.00 (1.00 (A-B:3), SSI=0.20 (1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

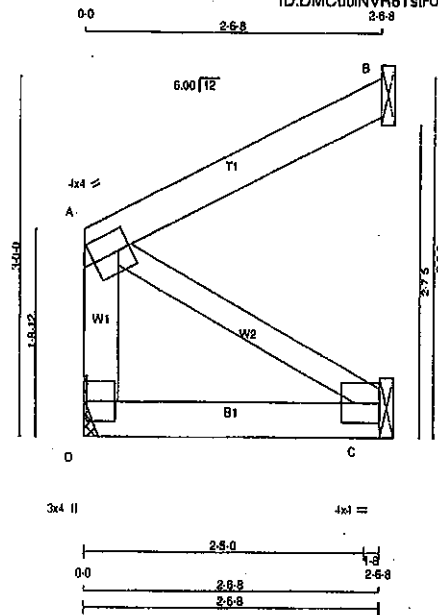
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.17 (E) (INPUT = 0.90)
JSI METAL = 0.11 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007657

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	J41	5	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.310 S Oct 29 2019 MTEK Industries, Inc. Tue Apr 28 10:19:54 2020 Page 1	



Scale = 1:12.5

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

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
A	TMWV-1	MT20	4.0	4.0	2.00 1.25
C	BMV1-1	MT20	4.0	4.0	2.00 Edge
D	BMV1-p	MT20	3.0	4.0	

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

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

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
GROSS REACTION	DOWN	GROSS REACTION	DOWN	BRG	IN-SX	BRG	IN-SX
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	MECHANICAL	MECHANICAL
D	139	0	139	0	0	1-8	1-8
B	117	0	117	0	0	1-8	1-8
C	23	0	25	0	0	1-8	1-8

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

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

UNFACTORED REACTIONS

1ST LOASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
D	98	85 0	0 0	0 0	0 0	33 0	0 0
B	80	65 0	0 0	0 0	0 0	15 0	0 0
C	18	0 0	0 0	0 0	0 0	18 0	0 0

BRACING

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX (PLF)	MEMB.	FORCE (LBS)	MAX (LBS)	CSH (LC1)
FR-TO		FROM TO		FR-TO			
D-A	-117 0	0.0 0.0 0.01 (1)	7.81	A-C	0 0	0.00 (1)	
A-B	0 0	-91.8 -91.8 0.10 (1)	10.00				
D-C	0 0	-18.5 -18.5 0.03 (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. G/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, 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.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/999 (0.00")

CSI: TC=0.10(1.00 (A-B:1), BC=0.03(1.00 (C-D:4), WB=0.09(1.00 (A-C:1), SSI=0.08(1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP (DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN
MT20	616 354	1867 788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.07 (A) INPUT = 0.90)
JSI METAL= 0.02 (A) INPUT = 1.00)



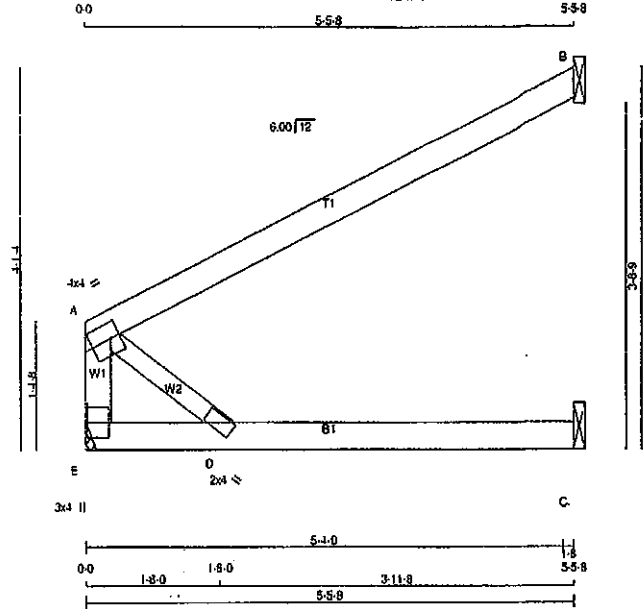
Structural component only
DWG# T-2007658

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	J42	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:DMCubINVR6TstFos31v6I zns1I-XT8WgE9vHKIGyK71xSq3XYumIIX 1hxqu3YvZPzME7c

Scale = 1:22.5



TOTAL WEIGHT = 2 X 16 = 31 lb (M/F)

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	NO.2
E - A	2x4	DRY	No.2
A - B	2x4	DRY	No.2
E - 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	TMW-1	MT20	4.0	3.0	2.00	1.25
D	BMW-1	MT20	2.0	4.0		
E	BMV-1	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	REGR BRG
E	301	301	0	0
B	250	250	0	1-8
C	50	57	0	1-8

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

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

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	213	140	0	0	0	0	73	0
B	172	140	0	0	0	0	33	0
C	40	0	0	0	0	0	40	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	MAX. FACTORED MEMB. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)
FR-TO								
E-A	250	0	0.0	0.0	0.03 (1)	7.81	0	0.00 (1)
A-B	0	0	-91.8	-91.8	0.46 (1)	10.00	0	0.00 (1)
E-D	0	0	-18.5	-18.5	0.13 (4)	10.00	0	0.00 (1)
D-C	0	0	-18.5	-18.5	0.16 (4)	10.00	0	0.00 (1)

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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, A8C 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/999 (0.04")

CSI: TC=0.48/1.00 (A-B:1), SC=0.16/1.00 (C-D:1), WB=0.00/1.00 (A-D: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 (PSI)	SECTION (PLI)
MT20	618	354
	1667	788
	1987	1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

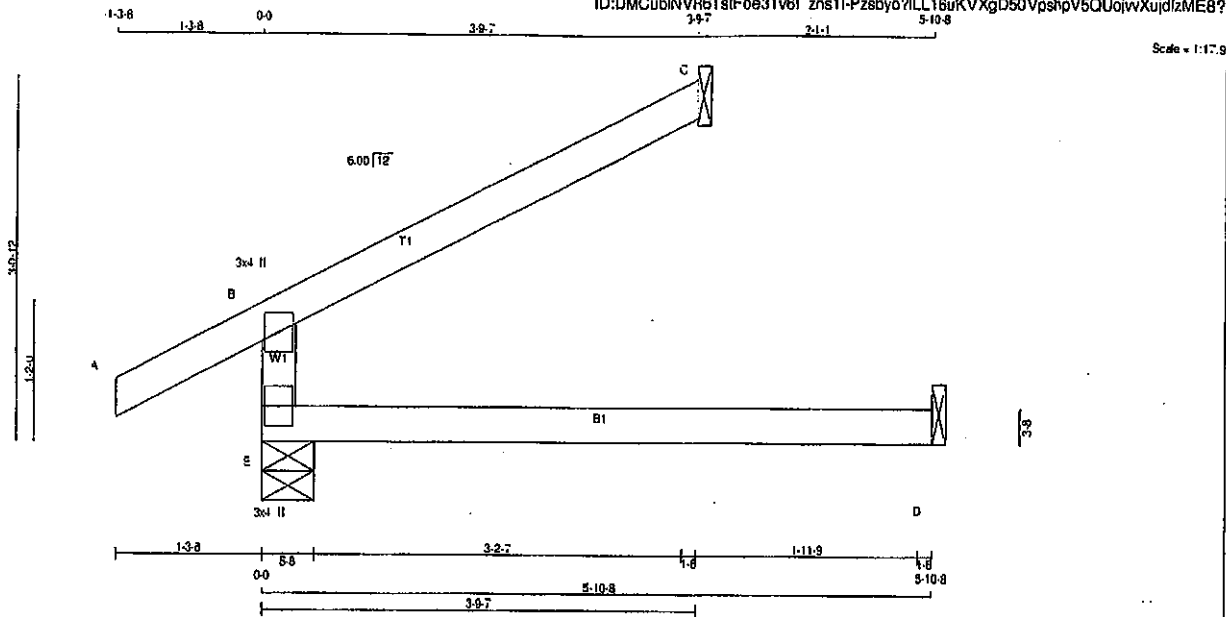
JSI GRIP = 0.15 (A) (INPUT = 0.90)
JSI METAL = 0.04 (A) (INPUT = 1.00)



Structural component only
DWG# T-2007659

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	C40	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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ID:DMCubINVRBtstIFoe31v6l zns1l-Pzsbyo7ILL16uKVXgD50VpshpV5QUojwXujdzME8?



TOTAL WEIGHT = 2 X 14 = 28 lb

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

DRY: SEASONED LUMBER.

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

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

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

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

UNFACTORED REACTIONS		1ST LCASE		MAX. MIN. COMPONENT REACTIONS		PERM. LIVE		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL						
E	286	190	0	0	0	0	0	98	0	0	0	0	0
C	90	73	0	0	0	0	0	17	0	0	0	0	0
D	38	0	0	0	0	0	0	36	0	0	0	0	0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

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

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. CG

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

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

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

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

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

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (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 = 0.14 (E) INPUT = 0.90
JSI METAL = 0.09 (B) INPUT = 1.00



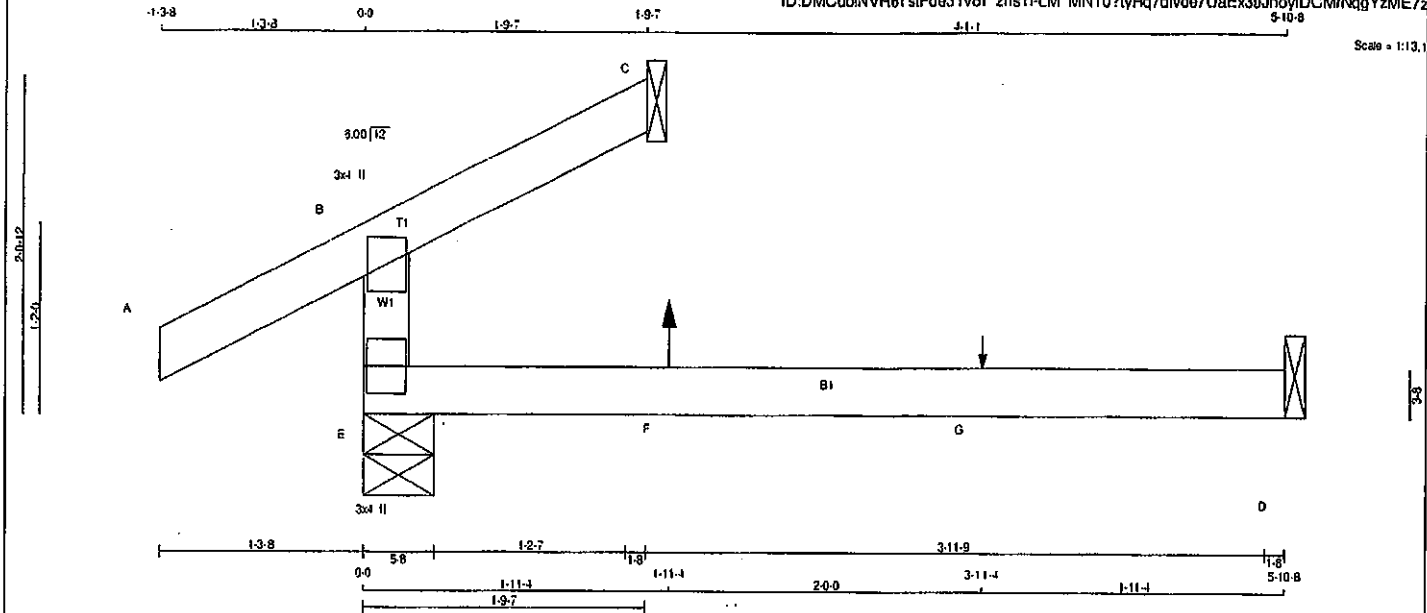
Structural component only
DWG# T-2007648

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	C41	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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Scale = 1:13.1



TOTAL WEIGHT = 2 X 12 = 23 lb

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

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

BEARINGS							
	FACTORED	MAXIMUM FACTORED	INPUT	RECORD			
	GROSS REACTION	GROSS REACTION	BRG	BRG			
JT	VERT	DOWN	HORIZ	UPLIFT	IN-SX	IN-SX	
E	284	0	284	0	0	5-8	5-8
C	63	0	83	0	0	1-8	1-8
D	44	0	52	0	0	1-8	1-8

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

UNFACTORED REACTIONS							
	1ST CASE	MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	200	137	0	0	0	0	62
C	48	21	0	0	0	0	25
D	35	0	3	0	0	0	37

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

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

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

LOADING
TOTAL LOAD CASES: (7)

CHORDS				WEBS			
MEMB.	MAX. FACTORED	FACTORED	MAX. FACTORED	MEMB.	MAX. FACTORED	MAX. FACTORED	MAX. FACTORED
	FORCE	VERT. LOAD	LC1 MAX		FORCE	MAX	MAX
	(LBS)	(PLF)	CSI (LC)		(LBS)	CSI (LC)	
FR-TO	FROM	TO	LENGTH	FR-TO	FROM	TO	LENGTH
E-B	-227	0	0.0	0.11 (4)	7.81		
A-B	0	28	-91.8	-91.8	0.12 (1)	10.00	
B-C	-9	9	-91.8	-91.8	0.08 (4)	10.00	
E-F	0	0	-18.5	-18.5	0.14 (4)	10.00	
F-G	0	0	-18.5	-18.5	0.14 (4)	10.00	
G-D	0	0	-16.6	-18.5	0.14 (4)	10.00	

FACTORED CONCENTRATED LOADS (LBS)							
JT	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE
F	1-11-4	7	1	12	BACK	VERT	TOTAL
G	3-11-4	1	1	---	BACK	VERT	TOTAL

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012, ABC 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.

155 % OF 31.3 P.S.F. G.S.L. PLUS 0.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

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

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

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 616 354 1687 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

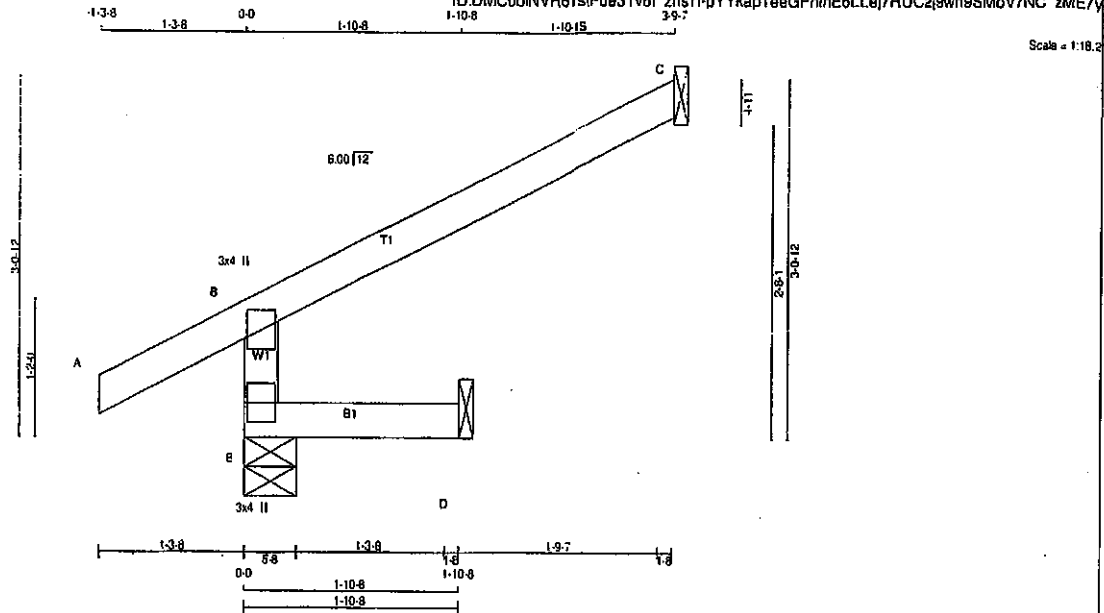
JSI GRIP= 0.10 (E) INPUT = 0.90
JSI METAL= 0.06 (B) INPUT = 1.00



Structural component only
DWG# T-2007649

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = $3 \times 10 = 29 \text{ lb}$

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

DRY; SEASONED LUMBER.

<u>PLATES (tablets in inches)</u>					
JT	TYPE	PLATES	W	LEN	Y X
B	TMV+p	MT20	3.0	4.0	
E	BMVt+p	MT20	3.0	4.0	

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

BUILDING DESIGNER
REFINER

	FACTORED		MAXIMUM FACTORED		INPUT	REQD
	VERT	HORZ	DOWN	HORZ	8RG	8RG
JT	361	0	361	0	5-8	5-8
E	130	0	130	0	1-8	1-8
C	18	0	17	0	1-8	1-8

SEE MITEK STANDARD DETAIL B9779.1H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

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

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

BRACING

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

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED

LOADING

TOTAL LOAD CASES: (5)

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

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING :: 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

-OVERHANG NOT TO BE ALTERED OR CUT OFF.

155 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN
LOAD) EQUALS 25.0 P.S.F. SPECIFIED ROOF
LIVE LOAD

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

CSI: TC=0.22:1.00 (B-C:1) , BC=0.02:1.00 (D-E:4) ,
WB=0.00:1.00 (n/a:0) , SS=0.15:1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



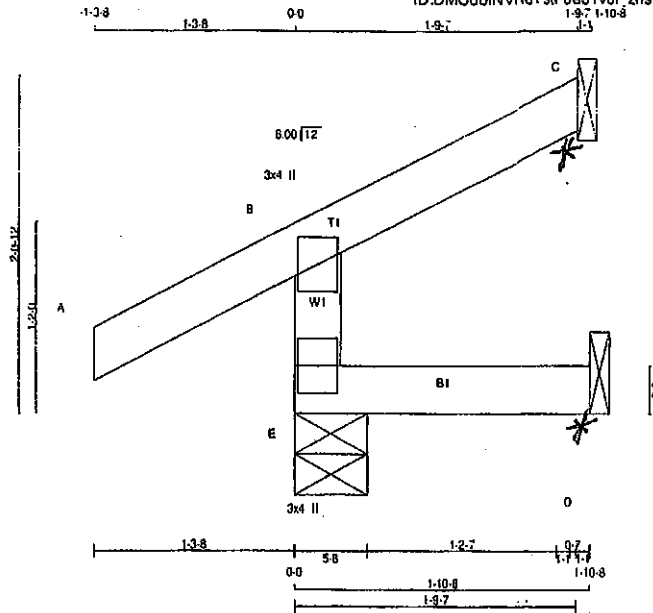
Structural component only
DWG# T-2007650

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	C43	3	1	GREEN PARK HOMES	
				TRUSS DESC.	

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TslFoe31v6l_zns1l-lk66o92GPaXYNxpiv39yff10Q6VqCciVq9sxlRzME7x

Scale = 1/16"



TOTAL WEIGHT = 3 X 7 = 21 lb

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

DRY: SEASONED LUMBER.

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

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

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

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

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS FACTORED UPLIFT
PROVIDE ANCHORAGE AT BEARING JOINT D FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

JT	IST LOASE		MAX. MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
E	188	141	0	0.0	0.0	47	0
C	31	24	-18	0.0	0.0	7	0
D	7	0	-8	0.0	0.0	12	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)	LC1	MAX CSH (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSH (LC)
FR-TO		FROM TO				FR-TO		
E-B	-244 0	0.0 0.0	0.04 (5)	7.81				
A-B	0 28	-91.8 -91.8	0.12 (1)	10.00				
B-C	-17 0	-91.8 -91.8	0.09 (1)	6.25				
E-D	0 0	-18.5 -18.5	0.04 (5)	10.00				

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

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

SPACING: 24.0 IN. OC

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2010, NBCC 2015, ABC 2019
- PART 9 OF NBCC 2012 (2015 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

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

CSI: TC=0.12/1.00 (A-B:1), BC=0.04/1.00 (D-E:5)
WB=0.00/1.00 (m/a:2), SSI=0.09/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

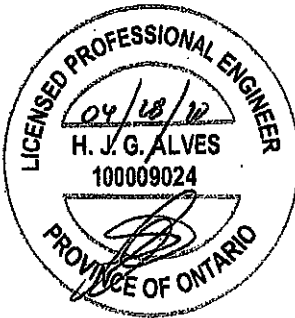
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

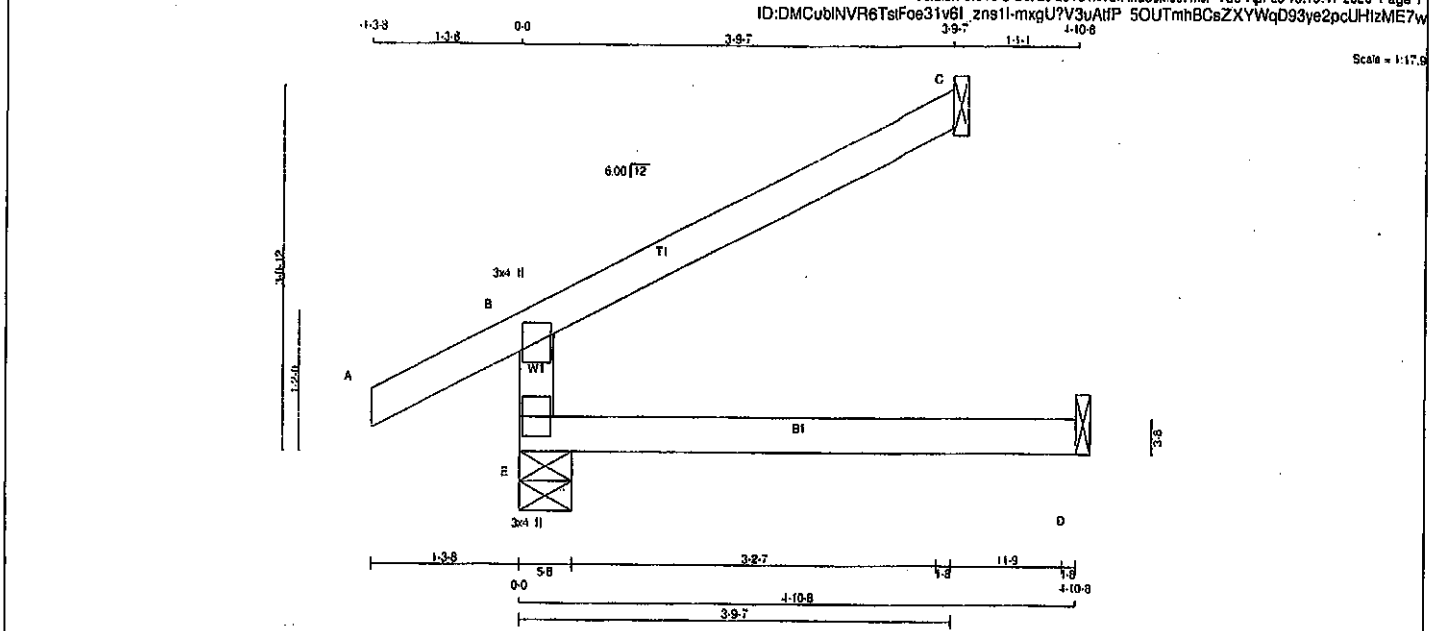


Structural component only
DWG# T-2007851

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	C44	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TsFos31v6I_zns11-mxgU7V3uAtIP_SOUTmhBCaZXyWqD93ye2pcUHizME7w



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

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

BEARINGS							
JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	RECORD BRG	
	VERT	HORZ	DOWN	HORZ	UPLIFT IN-SX	IN-SX	
E	394	0	394	0	0	5-8	
C	130	0	130	0	0	1-8	
D	38	0	42	0	0	1-8	

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

UNFACTORED REACTIONS

JT	1ST CASE		MAX. MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE			
E	277	190	0	0	0	87	0
C	90	73	0	0	0	17	0
D	30	0	0	0	0	30	0

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. CSH/LC	MAX. UNBRACED LENGTH	MEMB.	MAX. FORCE (LBS)	FACTORED MAX. CSH/LC
FR-TO		FROM TO		FR-TO			
E-B	-342 0	0.0 0.0	0.08 (4)	7.81			
A-B	0 28	-91.8 -91.8	0.12 (1)	10.00			
B-C	-19 0	-91.8 -91.8	0.22 (1)	8.25			
E-D	0 0	-18.5 -18.5	0.08 (4)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL.(LL) = L/360 (0.19')
CALCULATED VERT. DEFL.(LL) = L/999 (0.00')
ALLOWABLE DEFL.(TL) = L/360 (0.19')
CALCULATED VERT. DEFL.(TL) = L/999 (0.02')

CSI: TC=0.22:1.00 (B-C:1), BC=0.09:1.00 (D-E:4),
WB=0.00:1.00 (n/a:0), SS=0.15:1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

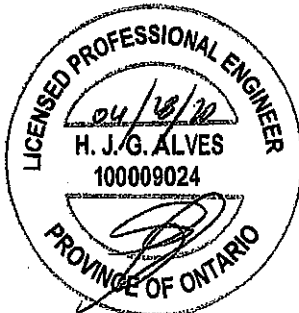
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PS)	SECTION (PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1067 788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

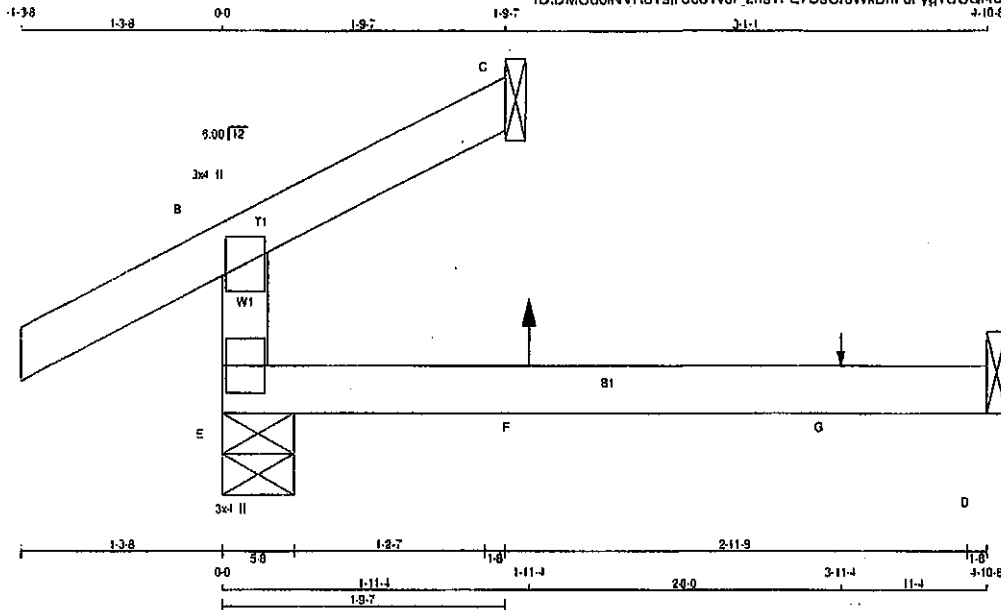


Structural component only
DWG# T-2007652

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	C45	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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Scale = 1:10.1

TOTAL WEIGHT = 2 X 10 = 21 lb

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

DRY: SEASONED LUMBER.

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

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		RECORD BRG	
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
E	282	0	282	0	0	5-8	5-8	
C	55	0	55	0	0	1-8	1-8	
D	35	0	44	0	0	1-8	1-8	

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

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	MAX. MIN. COMPONENT REACTIONS						
		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	
E	198	137 0	0 0	0 0	0 0	61 0	0 0	
C	39	21 0	0 0	0 0	0 0	18 0	0 0	
D	29	0 -4	0 0	0 0	0 0	31 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: (7)

MEMB.	CHORDS			WEBS		
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORZ. LOAD (LBS)	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORZ. LOAD (LBS)
FR-TO						
E-B	-235	0	0.0	0.0	0.07 (4)	7.81
A-B	0	28	-91.8	-91.8	0.12 (1)	10.00
B-C	-13	5	-91.8	-91.8	0.07 (5)	8.25
E-F	0	0	-18.5	-18.5	0.10 (4)	10.00
F-G	0	0	-18.5	-18.5	0.10 (4)	10.00
G-D	0	0	-18.5	-18.5	0.10 (4)	10.00

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
F	1-11.4	7	1	12	BACK	VERT	TOTAL	---	C1
G	3-11.4	1	1	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL. (LL) = L/360 (0.19")
CALCULATED VERT. DEFL. (LL) = L/999 (0.00")
ALLOWABLE DEFL. (TL) = L/360 (0.19")
CALCULATED VERT. DEFL. (TL) = L/999 (0.02")

CSI: TO=0.12/1.00 (A-B:1), BC=0.10/1.00 (D-E:4), WB=0.00/1.00 (m/a:0), SS=0.09/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.10 (E) / INPUT = 0.80
JSI METAL = 0.07 (B) / INPUT = 1.00

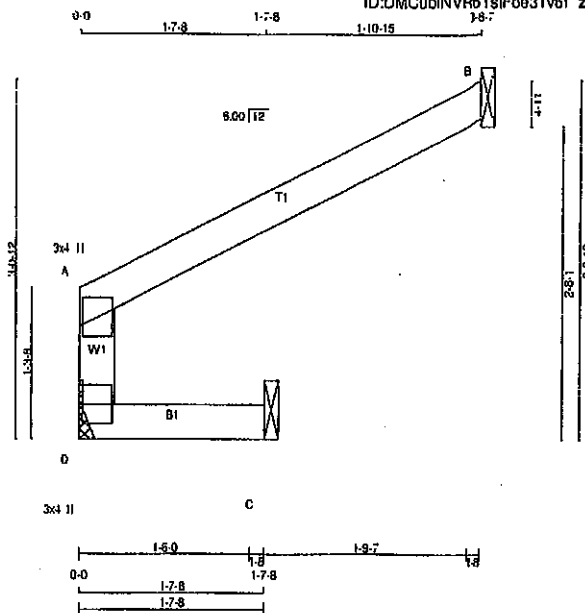


Structural component only
DWG# T-2007653

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRAWG NO.
408224	C46	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:10.2

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

DRY: SEASONED LUMBER.

PLATES (table 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	REQD
GROSS REACTION	GROSS REACTION	BRG	BRG	
VERT	HORZ	DOWN	HORZ	UPLIFT
IN-SX	IN-SX			
JT 158 0 158 0 0 0				
D 158 0 158 0 0 0				
B 144 0 144 0 0 0				
C 55 0 55 0 0 0				

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

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

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED SNOW LIVE PERMALIVE WIND DEAD SOIL
D 109 78 0 0 0 0 0 0 0 0	
B 99 80 0 0 0 0 0 0 0 0	
C 40 23 0 0 0 0 0 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	MEMB.	FORCE	VERT. LOAD	LC1	MAX	MAX.	MEMB.	FORCE	MAX
FR-TO	FROM	TO	LENGTH	FR-TO	FROM	TO	LENGTH	FR-TO	FROM
D-A	-181	0	0.0	0.0	0.08 (1)	7.81			
A-B	-8	0	-91.8	-91.8	0.14 (1)	10.00			
D-C	0	0	-18.5	-18.5	0.09 (1)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

155 % OF 31.3 P.S.F. G.S.L. PLUS 0.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.14/1.00 (A-B:1), BC=0.09/1.00 (C-D:1), WB=0.00/1.00 (W-B:0), SSI=0.13/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

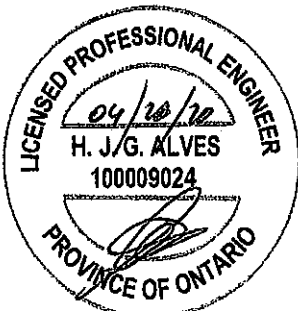
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.08 (D) INPUT = 0.90
JSI METAL= 0.05 (A) INPUT = 1.00



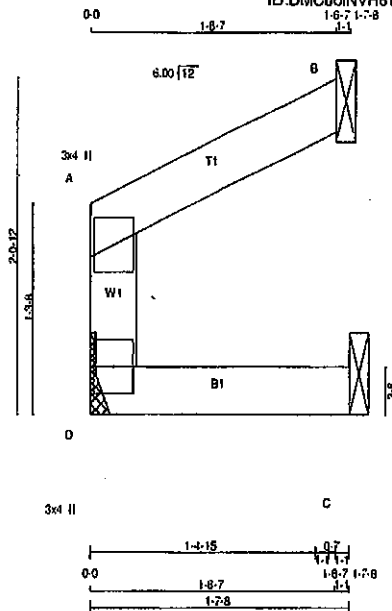
Structural component only
DWG# T-2007654

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408224	C47	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Tamarack Roof Truss, Burlington

ID:DMCubINVR8t8iFoe31v6I zns11-AWLddX5mSo1zrY638uEuqVB5eks7MQi5knq8uGzME7

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Scale = 1/16"

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

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		REQ'D	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	HORZ	DOWN	UPLIFT	BRG	BRG
D	86	0	86	0	0	0	0	MECHANICAL	MECHANICAL
B	87	0	87	0	0	0	0	1-8	1-8
C	19	0	19	0	0	0	0	1-8	1-8

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

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
D	61	39 0	0 0	0 0	0 0	0 0	21 0	0 0
B	46	37 0	0 0	0 0	0 0	0 0	9 0	0 0
C	14	2 0	0 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		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. (PLF)	MAX. (LBS)	MEMB.	FORCE (LBS)	MAX. (LBS)
FR-TO					FR-TO		
D-A	-74 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	-16.5	-16.5 0.01 (4)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

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

CSI: TC=0.03, 1.00 (A-B:1), BC=0.01, 1.00 (C-D:4),
WB=0.00/1.00 (in/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 1687 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.03 (D) (INPUT = 0.90)
JSI METAL = 0.02 (A) (INPUT = 1.00)



Structural component only
DWG# T-2007655