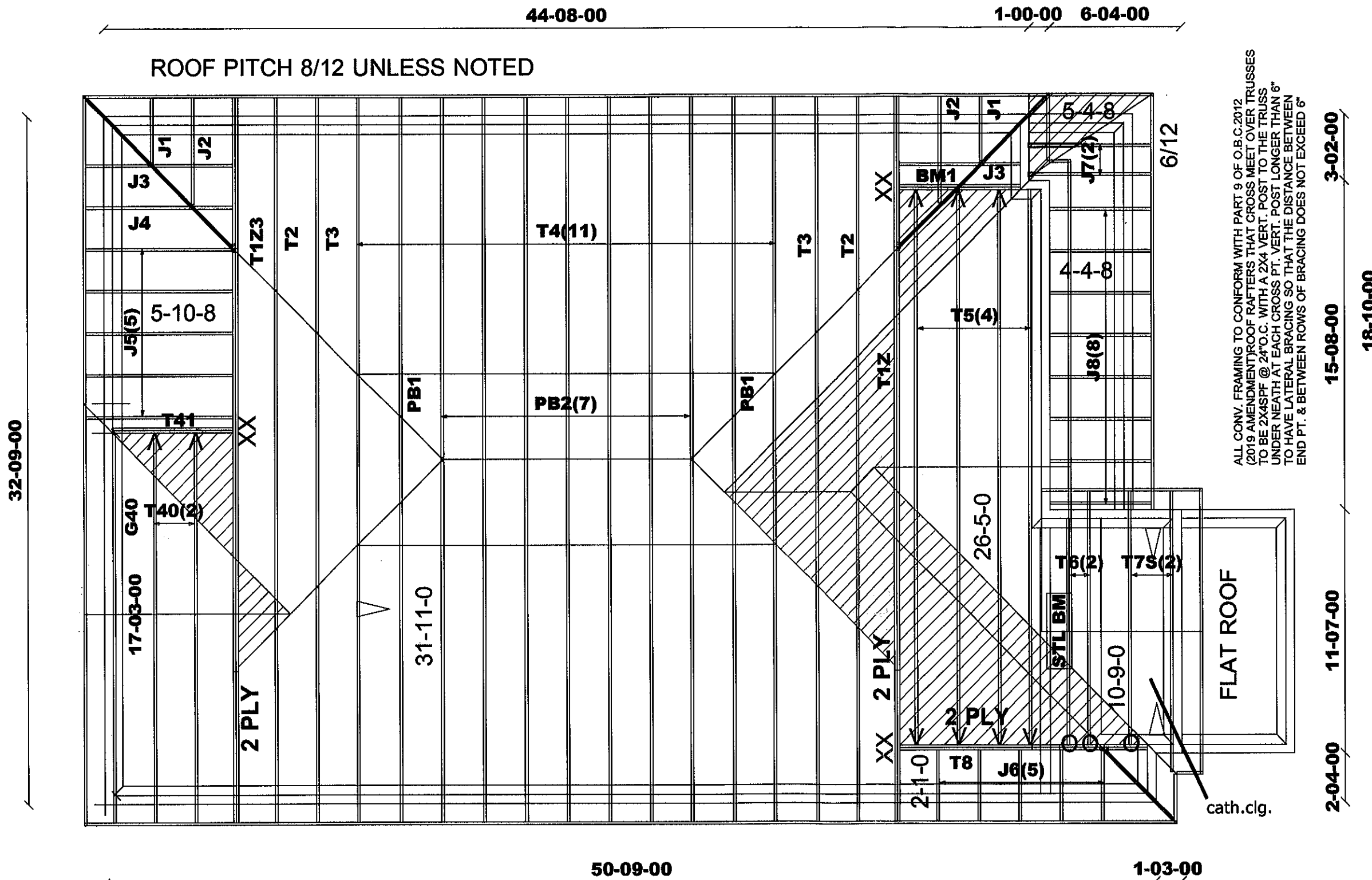




ALL CONV. FRAMING TO CONFORM WITH PART 9 OF O.B.C.2012
(2019 AMENDMENT) ROOF RAFTERS THAT CROSS MEET OVER TRUSSES
TO BE 2X4SPF @ 24"O.C. WITH A 2X4 VERT. POST TO THE TRUSS
UNDER NEATH AT EACH CROSS PT. VERT. POST LONGER THAN 6"
TO HAVE LATERAL BRACING SO THAT THE DISTANCE BETWEEN
END PT. & BETWEEN ROWS OF BRACING DOES NOT EXCEED 6"

ASPHALT SHINGLES
12"FINISHED OH.
R.T.M.C.
2X6 EXTERIOR WALLS
2X6 FASCIA BOARD

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

DENOTES
CONV.
FRAMING

DESIGN CONFORMS
WITH O.B.C.2012 PART 9
(2019 AMENDMENT)
DESIGN LOADS:
SNOW LOAD 25.6 PSF
TC DEAD 6 PSF
BC LIVE 0 PSF
BC DEAD 7.4 PSF

BM1 = 2-2X10
HAMILTON
BUILDING DIVISION
Planning & Development Department
FEB 10 2021
REC'D BY _____ DATE _____
REF'D TO _____ DATE _____



Job Track: 51225
Plan Log: 202404
Layout ID: 415113

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

Model / Elevation:
VALLEYCREEK 4 - 300/1

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.

Mitak ver 8.3.3.247



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: RUSSELL GARDENS PH.3
 Location: WATERDOWN
 Model: VALLEYCREEK 4
 Lot #: 300
 Elevation: 1

Job Track: 51225
 PlanLog: 202404
 Layout ID: 408163
 Ref #
 Page: 1 of 2
 Date: 04-20-2020
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1 2-ply	T1 Hip Girder	8 / 12	31-11-00	5-03-13	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	325.05 201.00		
	1 2-ply	T1Z Hip Girder	8 / 12	31-11-00	5-03-13	2 x 4 2 x 6	1-03-08 1-03-08	1-04-13 1-04-13	325.05 201.00		
	2	T2 Hip	8 / 12	31-11-00	6-07-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	283.27 180.00		
	2	T3 Hip	8 / 12	31-11-00	7-11-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	283.41 178.00		
	11	T4 Hip	8 / 12	31-11-00	9-03-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	1857.97 1032.17		
	4	T5 Common	8 / 12	26-05-00	10-02-08	2 x 4		1-04-13 1-04-13	483.61 304.00		
	2	T6 Common	8 / 12	10-09-00	4-11-13	2 x 4		1-04-13 1-04-13	82.8 53.00		
	2	T7S Scissor	8 / 12 5 / 12	10-09-00	4-11-13	2 x 4	1-03-08 1-03-08	1-04-13 1-04-13	89.85 60.33		
	1 2-ply	T8 Half Hip Girder	8 / 12	11-11-08	2-09-08	2 x 4 2 x 6		1-04-13 2-09-08	124.58 84.33		
	2	PB1 Piggyback	8 / 12	8-02-00	1-04-00	2 x 4			43.92 30.00		
	7	PB2 Piggyback	8 / 12	8-02-00	2-08-11	2 x 4			142.79 86.33		
	3	J1 Jack-Open	8 / 12	1-09-07	2-07-02	2 x 4	1-03-08 1-01	1-04-13 2-07-02	26.71 17.00		
	3	J2 Jack-Open	8 / 12	1-10-08	3-11-02	2 x 4	1-03-08 1-10-15	1-04-13 2-07-13	35.12 23.00		
	3	J3 Jack-Open	8 / 12	1-09-07	2-07-02	2 x 4	1-03-08 4-01-01	1-04-13 2-07-02	40.4 25.00		



DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: RUSSELL GARDENS PH.3
 Location: WATERDOWN
 Model: VALLEYCREEK 4
 Lot #: 300
 Elevation: 1

Job Track: 51225
 PlanLog: 202404
 Layout ID: 408163
 Ref #
 Page: 2 of 2
 Date: 04-20-2020
 Designer: Andrew Conway
 Sales Rep: Marlo DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	2	J4 Jack-Open	8 /12	3-09-07	3-11-02	2 x 4	1-03-08 2-01-01	1-04-13 3-11-02	32.6 20.67		
	11	J5 Jack-Open	8 /12	5-10-08	5-03-13	2 x 4	1-03-08	1-04-13 5-03-13	216.33 133.83		
	5	J6 Jack-Open	8 /12	2-01-00	2-09-08	2 x 4	1-03-08	1-04-13 2-09-08	48.82 35.00		
	2	J7 Jack-Open	6 /12	5-04-08	3-07-15	2 x 4	1-03-08	4-03 2-07-11	30.92 20.00		
	8	J8 Jack-Open	6 /12	4-04-08	3-01-15	2 x 4	1-03-08	4-03 2-01-11	99.04 64.00		

TOTAL # TRUSS= 75

TOTAL BFT OF ALL TRUSSES= 2748.66

BFT.

TOTAL WEIGHT OF ALL TRSSES 4371.22 LBS

HARDWARE

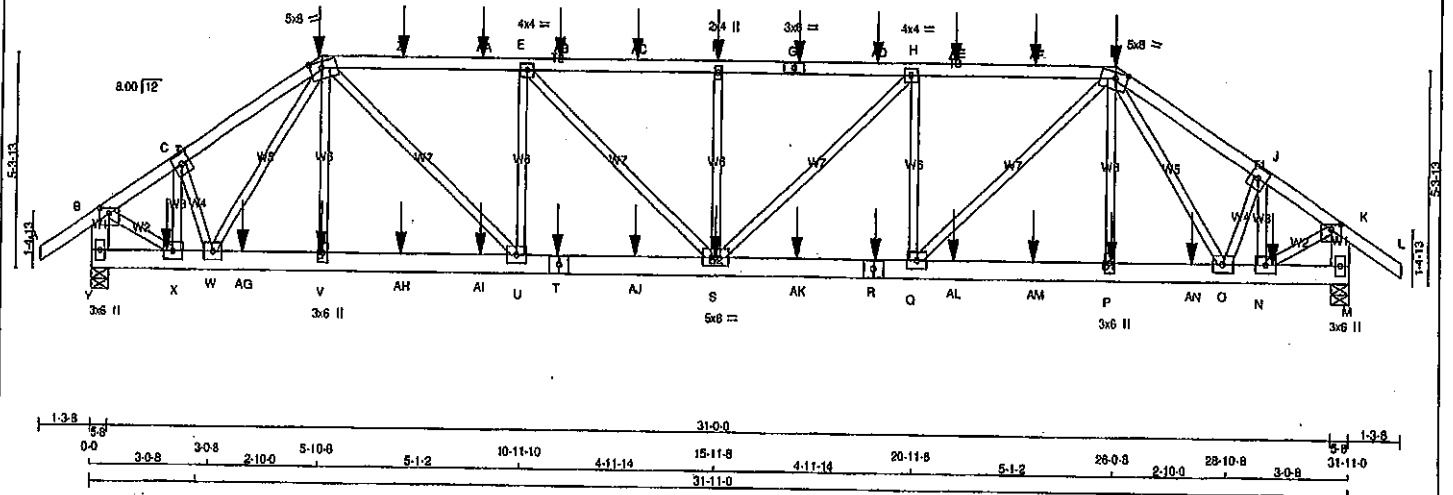
QTY	TYPE	MODEL	LENGTH
7	Hardware	LJS26DS	
3	Hardware	LUS24	
2	Hardware	HGUS26-2	

TOTAL NUMBER OF
ITEMS=

12

JOB NAME 408163	TRUSS NAME T1	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.310 S Oct 29 2019 Metak Industries, Inc. Fri Apr 17 08:48:35 2020 Page 1
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1-3-8 0-8 3-0-8 3-0-8 2-10-0 5-10-8 5-1-2 10-11-10 4-11-14 15-11-8 4-11-14 20-11-8 5-1-2 26-0-8 2-10-0 28-10-8 3-0-8 31-11-0 1-3-8
Scale = 1:52.8



LUMBER	SIZE	DRY	LUMBER	DESCR.
N. L. G. A. RULES				
CHORDS				
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
Y - B	2x6	DRY	No.2	SPF
M - K	2x6	DRY	No.2	SPF
Y - T	2x6	DRY	No.2	SPF
T - R	2x6	DRY	No.2	SPF
R - 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 - D	12	SIDE(81.0)
D - G	12	SIDE(81.0)
G - I	12	SIDE(81.0)
I - L	12	SIDE(81.0)
Y - B	12	TOP
M - K	12	TOP
BOTTOM CHORDS: (0.122'X3") SPIRAL NAILS		
Y - T	12	SIDE(183.1)
T - R	12	SIDE(183.1)
R - M	12	SIDE(183.1)
WEBS: (0.122'X3") SPIRAL NAILS		
V - D	6	SIDE(30.3)
P - I	6	SIDE(30.3)
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)	TYPE	PLATES	W	LEN	Y	X
JT	TYPE	PLATES				
B	TMWV-p	MT20	5.0	8.0	1.50	3.00
C	TMWV-w	MT20	5.0	8.0		
D	TMWV-m	MT20	5.0	8.0	1.75	3.50
E	TMWV-i	MT20	4.0	4.0		
F	TMWV-w	MT20	2.0	4.0		
G	TS-1	MT20	3.0	6.0		
H	TMWV-w	MT20	5.0	8.0	1.75	3.50
I	TMWV-m	MT20	5.0	8.0		
J	TMWV-p	MT20	5.0	8.0	1.50	3.00
K	BMV1-p	MT20	3.0	8.0		
N, O, Q, U, W, X						
P	BMWV-i	MT20	5.0	8.0		
R	BMWV-w	MT20	3.0	8.0		
S	BS-1	MT20	5.0	8.0		
T	BS-1	MT20	5.0	8.0		

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UP	IN-SX
Y	3538	0	0	5-8
M	3537	0	0	5-8

UNFACTORED REACTIONS	1ST LCASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
Y	2500	1655 / 0
M	2498	1654 / 0

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

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.

LOADING

TOTAL LOAD CASES: (4)

CHORDS			WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO		FR-TO		
A-B	0 / 35	-91.8	-91.8 0.07 (1)	X-C	-1140 / 0	0.10 (1)
B-C	-3538 / 0	-91.8	-91.8 0.10 (1)	Y-D	0 / 265	0.04 (4)
C-D	-3862 / 0	-91.8	-91.8 0.15 (1)	D-U	0 / 2416	0.30 (1)
D-Z	-5401 / 0	-91.8	-91.8 0.54 (1)	E-E	-1507 / 0	0.31 (1)
Z-AA	-5401 / 0	-91.8	-91.8 0.54 (1)	U-S	0 / 703	0.09 (1)
AA-E	-5401 / 0	-91.8	-91.8 0.54 (1)	S-E	-836 / 0	0.17 (1)
E-AB	-5401 / 0	-91.8	-91.8 0.57 (1)	S-H	0 / 708	0.09 (1)
AB-AC	-5901 / 0	-91.8	-91.8 0.57 (1)	Q-H	-1505 / 0	0.31 (1)
AC-F	-5901 / 0	-91.8	-91.8 0.57 (1)	Q-I	0 / 2413	0.30 (1)
F-G	-5901 / 0	-91.8	-91.8 0.57 (1)	P-I	0 / 265	0.04 (4)
G-AD	-5901 / 0	-91.8	-91.8 0.57 (1)	N-J	-1139 / 0	0.10 (1)
AD-H	-5901 / 0	-91.8	-91.8 0.57 (1)	N-K	0 / 3248	0.40 (1)
H-AE	-8367 / 0	-91.8	-91.8 0.54 (1)	B-X	0 / 3247	0.40 (1)
AE-AF	-9367 / 0	-91.8	-91.8 0.54 (1)	C-W	0 / 681	0.08 (1)
AF-I	-5367 / 0	-91.8	-91.8 0.54 (1)	W-D	-948 / 0	0.26 (1)
I-J	-3660 / 0	-91.8	-91.8 0.16 (1)	O-J	0 / 681	0.08 (1)
J-K	-3536 / 0	-91.8	-91.8 0.10 (1)	I-O	-947 / 0	0.26 (1)
K-L	0 / 35	-91.8	-91.8 0.07 (1)			
Y-B	-3500 / 0	0.0	0.0 0.13 (1)			
M-K	-3498 / 0	0.0	0.0 0.13 (1)			

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408163	T1	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 08:46:35 2020 Page 2
ID:KIHNL7kIAuBVUgBpQW7E8zls6v-lmv3EagqdkXgcTINYXUUGDwL2jdjw_1K2addzPX

PLATES (table is in inches)

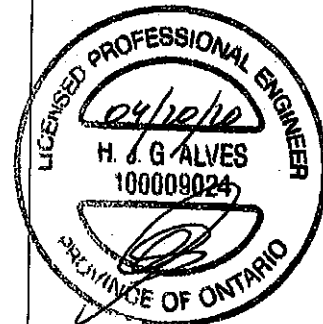
JT	TYPE	PLATES	W	LEN	Y	X
V	BMV-w	MT20	3.0	6.0		
Y	BMV1-p	MT20	3.0	6.0		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
D	5-10-8	-584	-584	---	FRONT	VERT	TOTAL	---	C1
F	15-11-8	-178	-178	---	FRONT	VERT	TOTAL	---	C1
G	17-11-12	-178	-178	---	FRONT	VERT	TOTAL	---	C1
I	26-0-8	-584	-584	---	FRONT	VERT	TOTAL	---	C1
N	29-11-12	-36	-36	---	FRONT	VERT	TOTAL	---	C1
P	25-11-12	-36	-36	---	FRONT	VERT	TOTAL	---	C1
R	19-11-12	-36	-36	---	FRONT	VERT	TOTAL	---	C1
S	15-11-8	-36	-36	---	FRONT	VERT	TOTAL	---	C1
T	11-11-4	-36	-36	---	FRONT	VERT	TOTAL	---	C1
V	5-11-4	-36	-36	---	FRONT	VERT	TOTAL	---	C1
X	1-11-4	-36	-36	---	FRONT	VERT	TOTAL	---	C1
Z	7-11-4	-178	-178	---	FRONT	VERT	TOTAL	---	C1
AA	9-11-4	-178	-178	---	FRONT	VERT	TOTAL	---	C1
AB	11-11-4	-178	-178	---	FRONT	VERT	TOTAL	---	C1
AC	13-11-4	-178	-178	---	FRONT	VERT	TOTAL	---	C1
AD	19-11-12	-178	-178	---	FRONT	VERT	TOTAL	---	C1
AE	21-11-12	-178	-178	---	FRONT	VERT	TOTAL	---	C1
AF	23-11-12	-178	-178	---	FRONT	VERT	TOTAL	---	C1
AG	3-11-4	-36	-36	---	FRONT	VERT	TOTAL	---	C1
AH	7-11-4	-36	-36	---	FRONT	VERT	TOTAL	---	C1
AI	9-11-4	-36	-36	---	FRONT	VERT	TOTAL	---	C1
AJ	13-11-4	-36	-36	---	FRONT	VERT	TOTAL	---	C1
AK	17-11-12	-36	-36	---	FRONT	VERT	TOTAL	---	C1
AL	21-11-12	-36	-36	---	FRONT	VERT	TOTAL	---	C1
AM	23-11-12	-36	-36	---	FRONT	VERT	TOTAL	---	C1
AN	27-11-12	-36	-36	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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



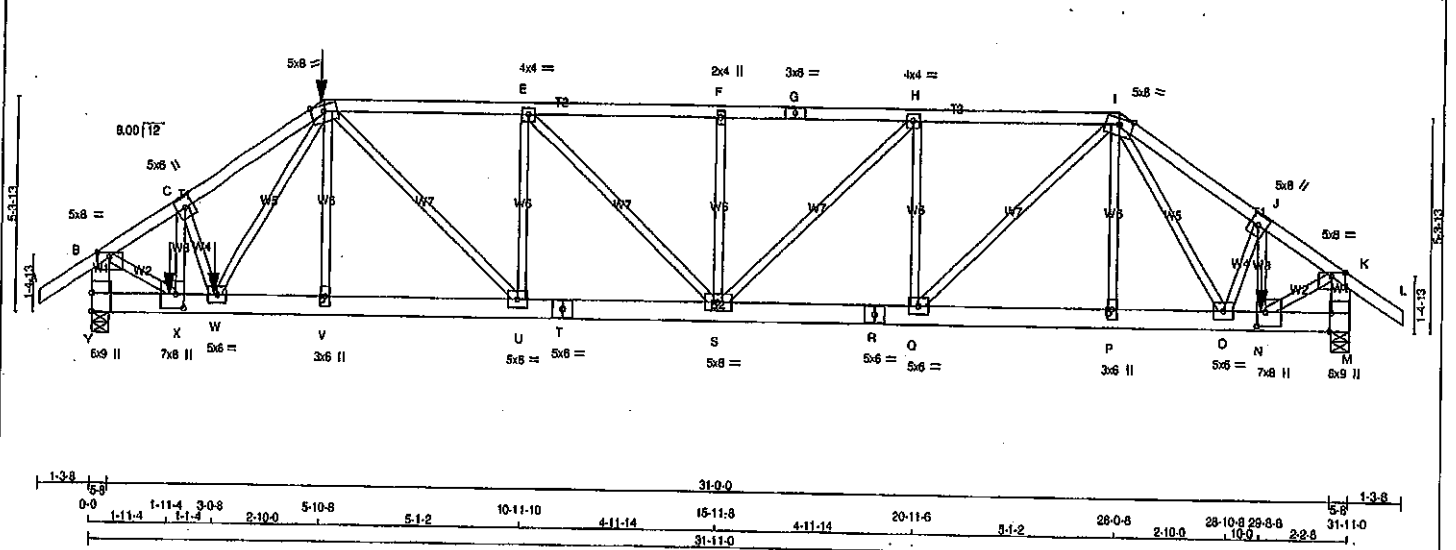
Structural component only
DWG# T-2006468

72

Version 8.310 S Oct 29 2019 MITek Industries, Inc. Fri Apr 17 06:46:36 2020 Page 1

1-3-8 0-0 3-0-8 3-0-8 2-10-0 5-10-8 5-1-2 10-11-10 4-11-14 15-11-8 4-11-14 20-11-5 6-1-2 25-0-8 2-10-0 28-10-8 3-0-8 31-11-0 33-2-8

Scale = 1:52.6



DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER									
<u>BEARINGS</u>									
	FACTORED		MAXIMUM FACTORED		INPUT	RECORD			
	GROSS REACTION		GROSS REACTION		BRG	BRG			
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX		
Y	4869	0	4869	0	0	5-8	5-8		
M	6873	0	6873	0	0	5-8	5-8		
<u>UNFACTORED REACTIONS</u>									
	1ST LCASE		MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL		
Y	3433	2308 / 0	0 / 0	0 / 0	0 / 0	1128 / 0	0 / 0		
M	4850	2340 / 0							

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.67 FT.
MAX. INRACE BOTTOM CHORD LENGTH = 40 FT. 0 IN. MAX. SPACING

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.									
<u>LOADING</u>									
TOTAL LOAD CASES: (4)									
CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)		
FR-TO		FROM TO		LENGTH	FR-TO				
A-B	0 / 35	-91.8	-91.8	0.07 (1)	10.00	X-C	-1315 / 0	0.12 (1)	
B-C	-4946 / 0	-91.8	-91.8	0.11 (1)	4.27	D	0 / 383	0.04 (1)	
C-D	-5328 / 0	-91.8	-91.8	0.22 (1)	4.05	D-U	0 / 1211	0.15 (1)	
D-E	-4737 / 0	-91.8	-91.8	0.30 (1)	6.18	U-E	-798 / 0	0.16 (1)	
E-F	-5022 / 0	-91.8	-91.8	0.31 (1)	4.06	E-S	0 / 401	0.05 (1)	
F-G	-5022 / 0	-91.8	-91.8	0.31 (1)	4.08	S-F	-420 / 0	0.06 (1)	
G-H	-5022 / 0	-91.8	-91.8	0.31 (1)	4.08	S			

I-J	-4687/0	-91.8	-91.8	0.30 (1)	4.16	Q-H	-747/0	0.15 (1)
I-K	-6115/0	-91.8	-91.8	0.27 (5)	3.76	Q-I	0/1148	0.14 (1)
J-K	-8704/0	-91.8	-91.8	0.18 (3)	3.87	P-I	0/233	0.03 (1)
K-L	0/35	-91.8	-91.8	0.07 (1)	10.00	N-J	0/1399	0.17 (1)
Y-B	-6810/0	0.0	0.0	0.07 (5)	0.00			

M-K	-6483/0	0.0	0.0	0.23 (1)	5.84	N-K	0/6121	0.76 (1)
Y-X	0.0	-18.5	-18.5	0.02 (1)	10.00	C-W	0/854	0.11 (1)
X-W	0/4124	-18.5	-18.5	0.10 (1)	10.00	W-D	0/1148	0.14 (1)

W-V	0/3860	-18.5	-18.5	0.45 (f)	10.00	I-O	0/2298	0.28 (f)
V-U	0/3867	-18.5	-18.5	0.32 (f)	10.00			
U-T	0/4738	-18.5	-18.5	0.34 (f)	10.00			
T-S	0/4738	-18.5	-18.5	0.34 (f)	10.00			
S-R	0/4787	-18.5	-18.5	0.35 (f)	10.00			
R-Q	0/4787	-18.5	-18.5					

P-O	0/3956	18.5	-18.5	0.33 (1)	10.00
O-N	0/5579	18.5	-18.5	0.68 (1)	10.00
N-M	0/0	-18.5	-18.5	0.32 (1)	10.00

FACTORED CONCENTRATED LOADS (LBS)					
	LOC.	LC1	MAX.	MAX+	FACE
JT					DEL.
D	5-10-8	-399	-399	---	BACK
N	28-8-8	-5011	-5011	---	BACK
X	3-0-8	-2525	-2525	---	BACK
W	1-11-4	-38	-38	---	BACK

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

09/10/20

H. J. ALVES

TOTAL 100009024

PROVINCE OF ONTARIO

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

LOADING IN FLAT SECTION BASED ON A SLOPE
OF 2.00/12 MINIMUM

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

ALLOWABLE DEFL.(LL)= L/360 (1.06")
CALCULATED VERT. DEFL.(LL) = L/999 (0.11")
ALLOWABLE DEFL.(TL)= L/360 (1.06")
CALCULATED VERT. DEFL.(TL) = L/999 (0.20")

COMP=1.00 SHEAR=1.00 TENS=1.00

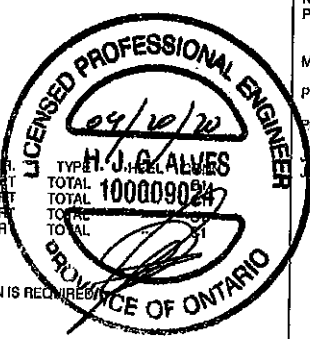
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

PLATE PLACEMENT TOL = 0.250 inches

1

[illegible]

Structural component only 1/2
ENOC# T 2000 100



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408163	T1Z	1	2	GREEN PARK HOMES	

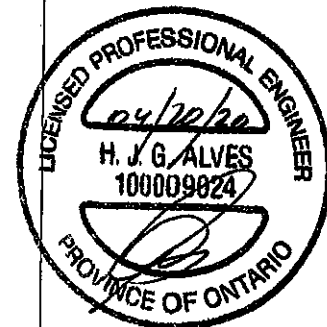
Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 08:46:38 2020 Page 2
ID:KIHNL7kiAqBVUgBrOQW7E8zls6y-LzTSS0elCesOImTfs43m0hpSgkKqM5c8G o893zPtXH

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
T	BS-t	MT20	5.0	6.0		
V	BMW-w	MT20	3.0	6.0		
X	BMWV-w	MT20	7.0	8.0	4.25	2.50
Y	BMV1-t	MT20	6.0	9.0	5.50	

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



Structural component only
DWG# T-2008469

2/2

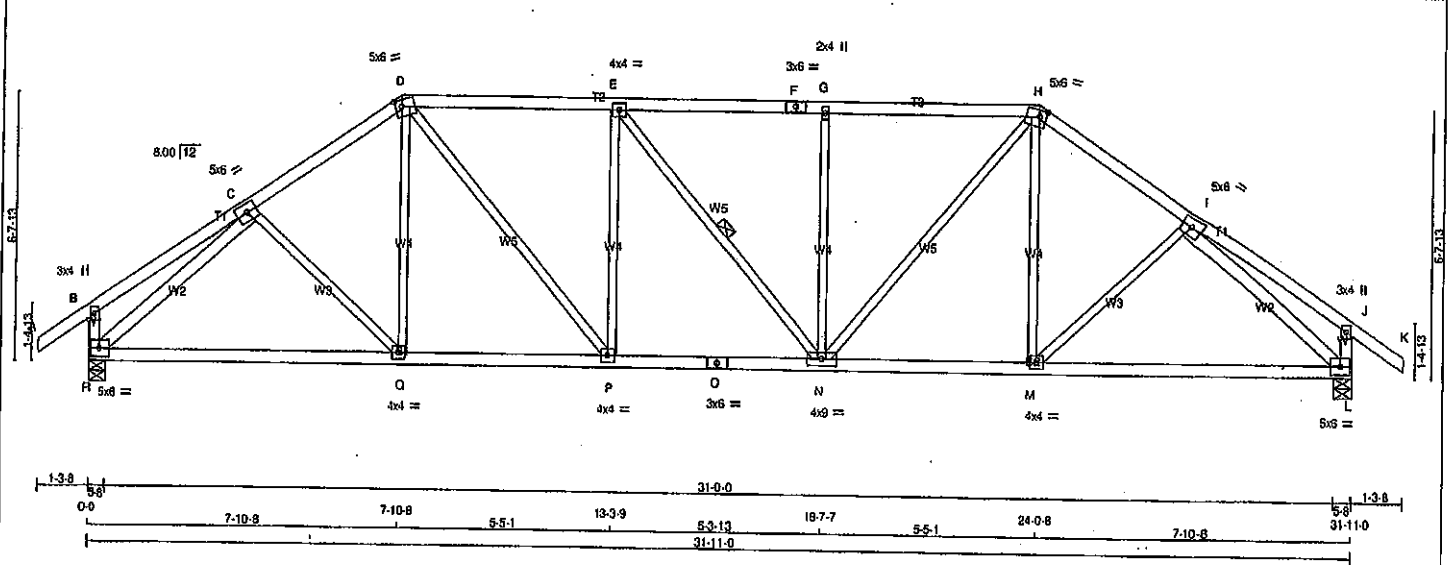
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
408163	T2	2	1	GREEN PARK HOMES		

Tamareck Roof Truss, Burlington

Version 8.310 S Oct 29 2019 Mittek Industries, Inc. Fri Apr 17 08:46:37 2020 Page 1

ID:KIHNL7kIAuBVUgBrpQW7E8zls6y-p80q/Lw8W_Fvw2sPnb?ZvMav8k55XdhU5XhivZpIXG

Scale = 1:52.8



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
F - H	2x4	DRY	No.2
H - K	2x4	DRY	No.2
R - B	2x4	DRY	No.2
R - J	2x4	DRY	No.2
R - O	2x4	DRY	No.2
O - L	2x4	DRY	No.2

ALL WEBS 2x3 DRY No.2

EXCEPT

R - 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	TMW-w	MT20	5.0	6.0		
D	TTWW-m	MT20	5.0	6.0	2.00	2.00
E	TMW-w	MT20	4.0	4.0		
F	TS-t	MT20	3.0	8.0		
G	TMW-w	MT20	2.0	4.0		
H	TTWW-m	MT20	5.0	6.0	2.00	2.00
I	TMW-w	MT20	5.0	6.0		
J	TMV-p	MT20	3.0	4.0		
L	BMVW-t	MT20	5.0	6.0		
M, P, Q						
M	BMW-w	MT20	4.0	4.0		
N	BMVW-w	MT20	4.0	9.0		
O	BS-t	MT20	3.0	6.0		
R	BMVW-t	MT20	5.0	8.0		

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
R	1885	0	0	5-8
L	1885	0	0	5-8

UNFACTORED REACTIONS

	1ST LOOSE	MAX/MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
JT	COMBINED	SNOW	LIVE	PERM.LIVE	
R	1331	887.0	0.0	0.0	0.0
L	1331	887.0	0.0	0.0	0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.12 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.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0.135	-91.8	-91.8 0.12 (1)	10.00	C-Q	0.157	0.02 (4)
B-C	0.122	-91.8	-91.8 0.22 (1)	10.00	Q-D	0.145	0.05 (4)
C-D	-2020.0	-91.8	-91.8 0.29 (1)	4.49	D-P	0.1814	0.18 (1)
D-E	-2191.0	-91.8	-91.8 0.47 (1)	4.12	P-E	-533.0	0.39 (1)
E-F	-2189.0	-91.8	-91.8 0.47 (1)	4.12	E-N	-2.0	0.00 (1)
F-G	-2189.0	-91.8	-91.8 0.47 (1)	4.12	N-G	-533.0	0.39 (1)
G-H	-2189.0	-91.8	-91.8 0.47 (1)	4.13	N-H	0.1811	0.18 (1)
H-I	-2020.0	-91.8	-91.8 0.29 (1)	4.49	M-H	0.147	0.05 (4)
I-J	0.22	-91.8	-91.8 0.22 (1)	10.00	M-I	0.157	0.02 (4)
J-K	0.35	-91.8	-91.8 0.12 (1)	10.00	R-C	-2272.0	0.77 (1)
R-B	-265.0	0.0	0.0 0.03 (1)	7.81	I-L	-2273.0	0.77 (1)
L-J	-265.0	0.0	0.0 0.03 (1)	7.81			
R-Q	0.1655	-18.5	-18.5 0.40 (1)	10.00			
Q-P	0.1682	-18.5	-18.5 0.40 (1)	10.00			
P-O	0.2191	-18.5	-18.5 0.41 (1)	10.00			
O-N	0.2191	-18.5	-18.5 0.41 (1)	10.00			
N-M	0.1682	-18.5	-18.5 0.41 (1)	10.00			
M-L	0.1655	-18.5	-18.5 0.40 (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 2.00/12 MINIMUM

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

(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 (1.06")

CALCULATED VERT. DEFL.(LL) = 1/999 (0.10")

ALLOWABLE DEFL.(TL) = L/360 (1.06")

CALCULATED VERT. DEFL.(TL) = 1/999 (0.19")

CSI: TC=0.471.00 (D-E:1), BC=0.411.00 (N-P:1), WB=0.771.00 (L:1), SSI=0.231.00 (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
(PS)	(PL)	(PL)	(PL)
MAX	MIN	MAX	MIN
MT20	618	354	1667
	788	1987	1686

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JT GRIP= 0.86 (D) (INPUT = 0.90)

JT METAL= 0.73 (C) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER

H. J. G. ALVES

100009024

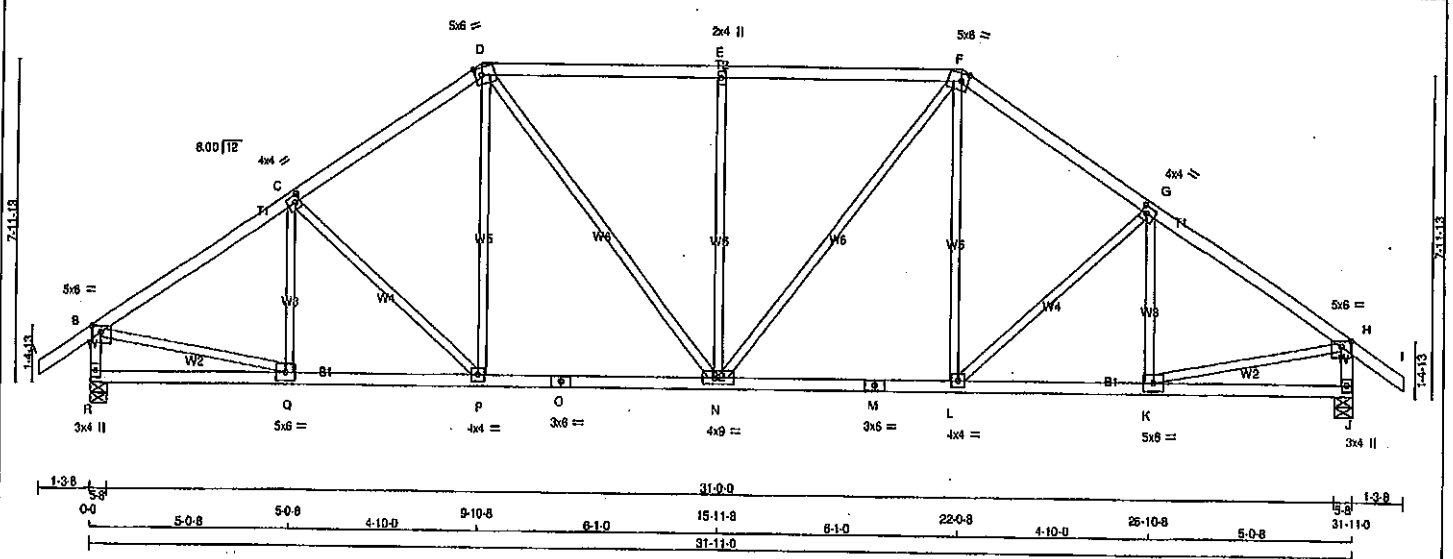
PROVINCE OF ONTARIO

Structural component only

DWG# T-2006470

JOB NAME 408163	TRUSS NAME T3	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.310 S Oct 29 2019 M&T Tek Industries, Inc. Fri Apr 17 08:48:39 2020 Page 1
 ID:KIHNL7kAuBVUqBrpQW7E8zls6y-mY8a41hAhXeygECEXCdTteKRw5yQbZQEayy0omOzPiXE
 31-11-0 33-2-8 1-3-8
 Scale = 1:52.6



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
I - H	2x4	DRY	No.2
H - J	2x4	DRY	No.2
J - O	2x4	DRY	No.2
O - M	2x4	DRY	No.2
M - J	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
DRY: SEASONED LUMBER.			

PLATES (tab/s in inches)				
JT	TYPE	PLATES	W	LEN Y X
B	TMVW-p	MT20	5.0	6.0 1.75 3.00
C	TMVW-t	MT20	4.0	4.0 2.00 1.50
D	TTWW-m	MT20	5.0	6.0 2.25 2.00
E	TMVW-w	MT20	2.0	4.0
F	TTWW-m	MT20	5.0	6.0 2.25 2.00
G	TMVW-t	MT20	4.0	4.0 2.00 1.50
H	TMVW-p	MT20	5.0	6.0 1.75 3.00
J	BMV1-p	MT20	3.0	4.0
K	BMVW-t	MT20	5.0	6.0
L	BMVW-t	MT20	4.0	4.0
M	BS-t	MT20	3.0	6.0
N	BMVW-t	MT20	4.0	9.0
O	BS-t	MT20	3.0	6.0
P	BMVW-t	MT20	4.0	4.0
Q	BMVW-t	MT20	5.0	6.0
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	
JT	GROSS REACTION	VERT	HORZ	DOWN	HORZ	BRG	IN-SX	BRG	IN-SX
R	1885	0	0	1885	0	0	5-8	5-8	5-8
J	1885	0	0	1885	0	0	5-8	5-8	5-8

UNFACTORED REACTIONS

1ST LOSE		MAX/MIN. COMPONENT REACTIONS		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM	LIVE	WIND	DEAD	SOIL	SOIL
R	1331	887 / 0	0 / 0	0 / 0	0 / 0	0 / 0	444 / 0	0 / 0	0 / 0
J	1331	887 / 0	0 / 0	0 / 0	0 / 0	0 / 0	444 / 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 = 4.35 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PLATE 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. (LC)	MEMB.	FORCE (LBS)	MAX. (LC)	MAX. (LC)
FR-TO				FR-TO			
A-B	0 / 35	-91.8	-91.8 0.12 (1)	Q-O	-280 / 0	0.09 (1)	0.09 (1)
B-C	-2071 / 0	-91.8	-91.8 0.35 (1)	C-P	-244 / 0	0.20 (1)	0.20 (1)
C-D	-1915 / 0	-91.8	-91.8 0.34 (1)	P-D	0 / 287	0.06 (1)	0.06 (1)
D-E	-1885 / 0	-91.8	-91.8 0.49 (1)	D-N	0 / 508	0.11 (1)	0.11 (1)
E-F	-1835 / 0	-91.8	-91.8 0.49 (1)	N-F	0 / 508	0.11 (1)	0.11 (1)
F-G	-1915 / 0	-91.8	-91.8 0.34 (1)	N-E	-694 / 0	0.08 (1)	0.08 (1)
G-H	-2071 / 0	-91.8	-91.8 0.35 (1)	N-F	0 / 287	0.06 (1)	0.06 (1)
H-I	0 / 35	-91.8	-91.8 0.12 (1)	L-G	-244 / 0	0.20 (1)	0.20 (1)
I-B	-1844 / 0	0.0	0.0 0.19 (1)	K-G	-280 / 0	0.09 (1)	0.09 (1)
J-H	-1844 / 0	0.0	0.0 0.19 (1)	B-Q	0 / 1787	0.40 (1)	0.40 (1)
R-Q	0 / 0	-18.5	-18.5 0.10 (4)	K-H	0 / 1787	0.40 (1)	0.40 (1)
Q-P	0 / 1747	-18.5	-18.5 0.34 (1)				
P-O	0 / 1570	-18.5	-18.5 0.32 (1)				
O-N	0 / 1570	-18.5	-18.5 0.32 (1)				
N-M	0 / 1570	-18.5	-18.5 0.32 (1)				
M-L	0 / 1570	-18.5	-18.5 0.32 (1)				
L-K	0 / 1747	-18.5	-18.5 0.34 (1)				
K-J	0 / 0	-18.5	-18.5 0.10 (4)				

DESIGN CRITERIA

SPECIFIED LOADS:
 TOP CH. LL = 25.8 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 2.00/12 MINIMUM

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 (2018 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 26.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.06")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
 ALLOWABLE DEFL.(TL) = L/360 (1.06")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.16")

CSI: TC=0.49/1.00 (D-E:1), BC=0.34/1.00 (P-Q:1),
 WB=0.69/1.00 (E-N:1), SSI=0.27/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

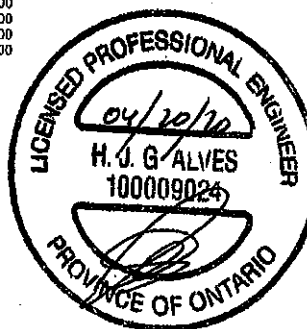
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

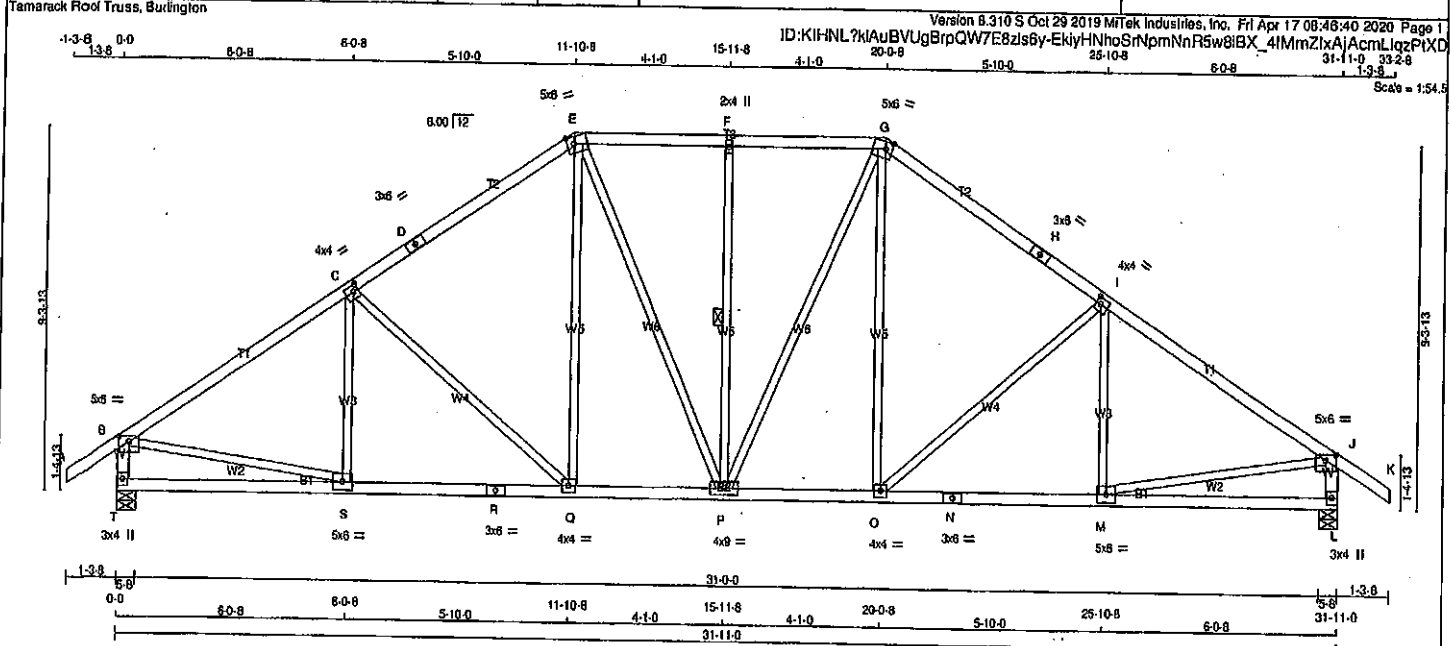
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (Q) (INPUT = 0.90)
 JSI METAL= 0.51 (Q) (INPUT = 1.00)



Structural component only
 DWG# T-2006471

JOB NAME 408163	TRUSS NAME T4	QUANTITY 11	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMWV-p	MT20	5.0	6.0	1.75	3.00
C TMWV-w	MT20	4.0	4.0	2.00	1.50
D TS-t	MT20	3.0	6.0		
E TTWV-m	MT20	5.0	6.0	2.25	2.00
F TMW-w	MT20	2.0	4.0		
G TTWV-m	MT20	5.0	6.0	2.25	2.00
H TS-t	MT20	3.0	6.0		
I TMWV-w	MT20	4.0	4.0	2.00	1.50
J TMWV-p	MT20	5.0	6.0	1.75	3.00
L BMV1-p	MT20	3.0	4.0		
M BMWV-w	MT20	5.0	6.0		
N BS-t	MT20	3.0	6.0		
O BMWV-w	MT20	4.0	4.0		
P BMWV-w	MT20	4.0	4.0		
Q BMWV-w	MT20	4.0	4.0		
R BS-t	MT20	3.0	6.0		
S BMWV-w	MT20	5.0	6.0		
T 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	DOWN	UPLIFT	IN-SX
T	1885	0	0	5-8
L	1885	0	0	5-8

UNFACTORED REACTIONS

	1ST LOASE	MAX./MIN. SNOW	MAX./MIN. LIVE	MAX./MIN. PERM. LIVE	WIND	DEAD	SOIL
JT	COMBINED						
T	1331	887 / 0	0 / 0	0 / 0	0 / 0	444 / 0	0 / 0
L	1331	887 / 0	0 / 0	0 / 0	0 / 0	444 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.16 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.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM	TO	FR-TO			
A-B	0 / 35	-91.8	-91.8	10.00	S-C	-194 / 35	0.09 (1)
B-C	-2087 / 0	-91.8	-91.8	0.53 (1)	C-Q	-420 / 0	0.53 (1)
C-D	-1790 / 0	-91.8	-91.8	0.48 (1)	Q-E	0 / 369	0.08 (1)
D-E	-1790 / 0	-91.8	-91.8	0.48 (1)	E-P	0 / 280	0.06 (1)
E-F	-1576 / 0	-91.8	-91.8	0.21 (1)	P-F	-449 / 0	0.28 (1)
F-G	-1576 / 0	-91.8	-91.8	0.21 (1)	G-H	0 / 280	0.08 (1)
G-H	-1790 / 0	-91.8	-91.8	0.48 (1)	H-I	0 / 369	0.08 (1)
H-I	-1790 / 0	-91.8	-91.8	0.48 (1)	I-J	-420 / 0	0.53 (1)
I-J	-2087 / 0	-91.8	-91.8	0.53 (1)	J-K	-194 / 35	0.09 (1)
J-K	0 / 35	-91.8	-91.8	0.12 (1)	K-S	0 / 1803	0.41 (1)
K-S	-1839 / 0	0.0	0.0	0.19 (1)	S-M	0 / 1803	0.41 (1)
L-J	-1839 / 0	0.0	0.0	0.19 (1)			
T-S	0 / 0	-18.5	-18.5	0.18 (4)			
S-R	0 / 1775	-18.5	-18.5	0.38 (1)			
R-Q	0 / 1775	-18.5	-18.5	0.38 (1)			
Q-P	0 / 1461	-18.5	-18.5	0.29 (1)			
P-O	0 / 1461	-18.5	-18.5	0.29 (1)			
O-N	0 / 1775	-18.5	-18.5	0.38 (1)			
N-M	0 / 1775	-18.5	-18.5	0.38 (1)			
M-L	0 / 0	-18.5	-18.5	0.18 (4)			

TOTAL WEIGHT = 11 X 151 = 1668 lb (MKF)

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 2.00/12 MINIMUM

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (1.08")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (1.08")
CALCULATED VERT. DEFL.(TL) = L/999 (0.14")

CSI: TC=0.53/1.00 (B-C:1), BC=0.36/1.00 (Q-S:1), WB=0.53/1.00 (C-Q: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

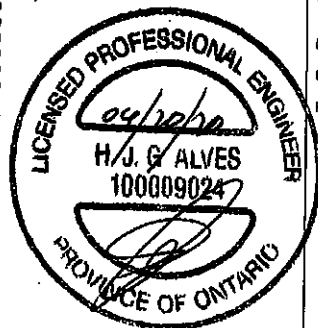
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 768 1987 1856

PLATE PLACEMENT TOL = 0.250 inches

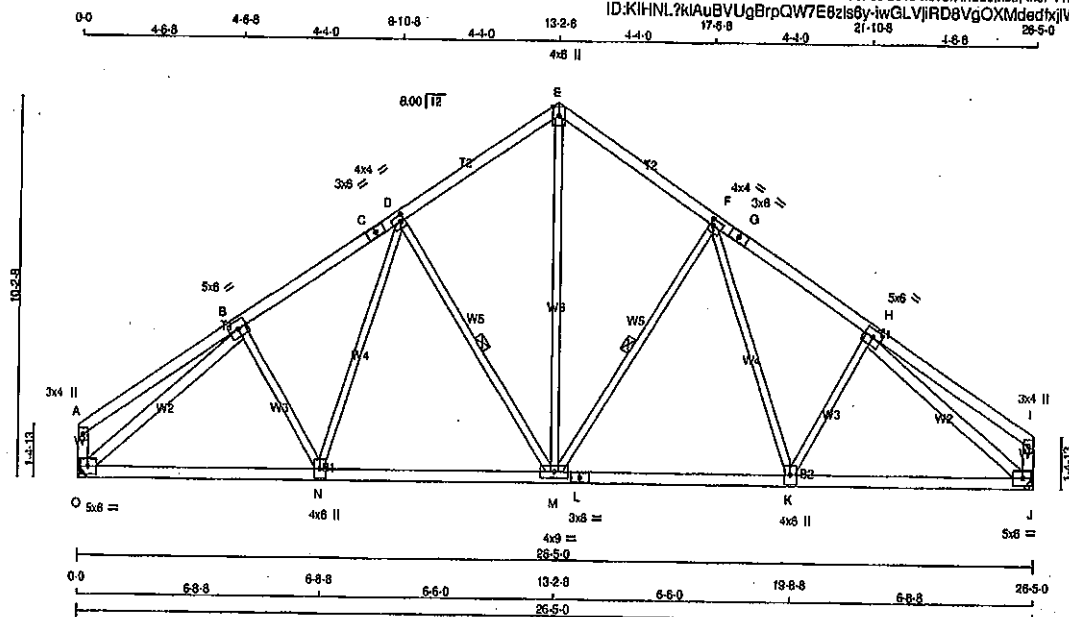
PLATE ROTATION TOL = 5.0 Deg.

SI GRIP = 0.84 (B) (INPUT = 0.90)
SI METAL = 0.57 (N) (INPUT = 1.00)



Structural component only
DWG# T-2006472

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408163	T5	4	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					



Scale = 1:57.2

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMVW-t	MT20	5.0	6.0		
C	TS-t	MT20	3.0	6.0		
D	TMVW-t	MT20	4.0	4.0	2.00	1.00
E	TTW+p	MT20	4.0	6.0	Edge	
F	TMVW-t	MT20	4.0	4.0	2.00	1.00
G	TS-t	MT20	3.0	6.0		
H	TMVW-t	MT20	5.0	6.0		
I	TMV+p	MT20	3.0	4.0		
J	BMVW-t	MT20	5.0	6.0		
K	BMVW-t	MT20	4.0	6.0		
L	BS-t	MT20	3.0	6.0		
M	BMVW-t	MT20	4.0	9.0		
N	BMVW-t	MT20	4.0	6.0		
O	BMVW-t	MT20	5.0	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
JT	VERT	HORIZ	DOWN	HORIZ
O	1458	0	1458	0
J	1458	0	1458	0

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
O	1030	676/0	0/0	0/0	0/0	354/0	0/0
J	1030	676/0	0/0	0/0	0/0	354/0	0/0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.05 FT.
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 P-M, D-M.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX CSI (LC)	UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX CSI (LC)	UNBRACED LENGTH FR-TO
FR-TO					FR-TO				
A-B	0/21	-91.8	-91.8 0.23 (1)	10.00	M-F	0/985	0.22 (1)		
B-C	-1580/0	-91.8	-91.8 0.21 (1)	5.05	M-F	-511/0	0.23 (1)		
C-D	-1580/0	-91.8	-91.8 0.21 (1)	5.05	F-K	0/226	0.05 (1)		
D-E	-1198/0	-91.8	-91.8 0.21 (1)	5.62	K-H	-92/25	0.03 (1)		
E-F	-1198/0	-91.8	-91.8 0.21 (1)	5.62	D-M	-511/0	0.23 (1)		
F-G	-1580/0	-91.8	-91.8 0.21 (1)	5.05	N-D	0/226	0.05 (1)		
G-H	-1580/0	-91.8	-91.8 0.21 (1)	5.05	B-N	-92/25	0.03 (1)		
H-I	0/21	-91.8	-91.8 0.23 (1)	10.00	O-B	-1842/0	0.79 (1)		
O-A	-184/0	0.0	0.0 0.02 (1)	7.81	H-J	-1842/0	0.79 (1)		
J-I	-184/0	0.0	0.0 0.02 (1)	7.81					
O-N	0/1361	-18.5	-18.5 0.32 (1)	10.00					
N-M	0/1248	-18.5	-18.5 0.30 (1)	10.00					
M-L	0/1248	-18.5	-18.5 0.30 (1)	10.00					
L-K	0/1248	-18.5	-18.5 0.30 (1)	10.00					
K-J	0/1361	-18.5	-18.5 0.32 (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

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

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

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

ALLOWABLE DEFL.(LL) = $L/360$ (0.88")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.05")
ALLOWABLE DEFL.(TL) = $L/360$ (0.88")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.11")

CSI: TC=0.23/1.00 (H-I), BC=0.32/1.00 (J-K), WB=0.79/1.00 (H-J), SS=0.16/1.00 (H-I)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

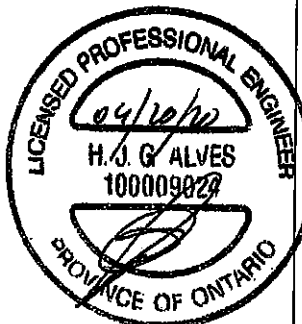
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

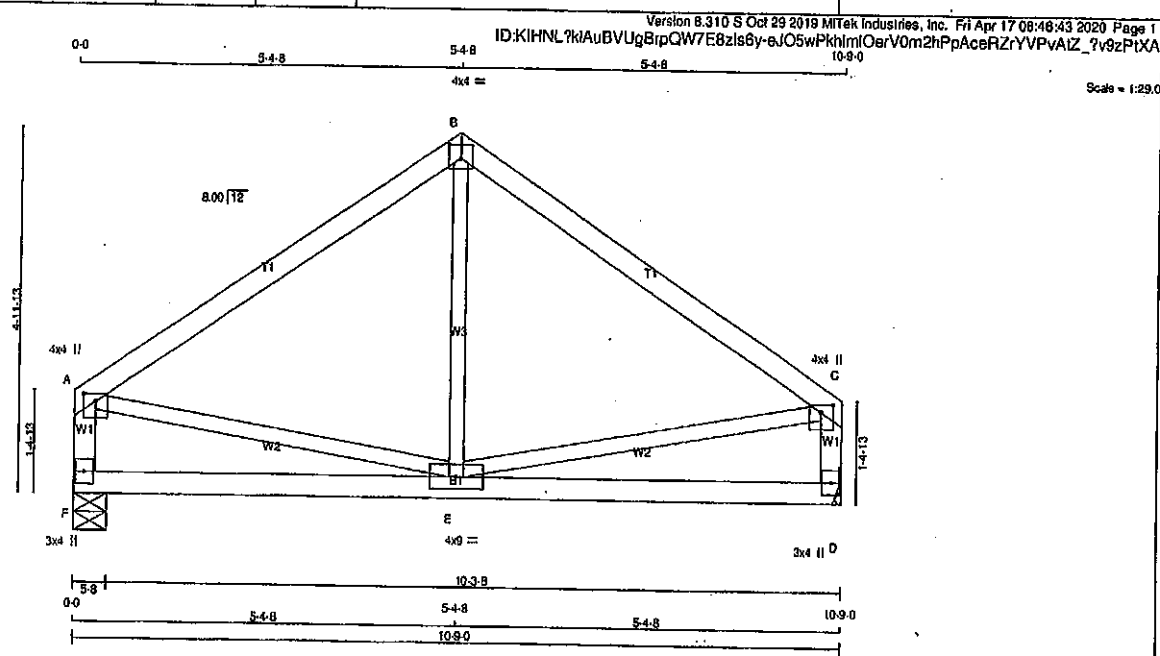
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (M) (INPUT = 0.90)
JSI METAL= 0.46 (H) (INPUT = 1.00)



Structural component only
DWG# T-2006473

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408163	T6	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	



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

ALL WEBS 2x3 DRY No.2 EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	4.0	1.25 2.00
B	TTW+p	MT20	4.0	4.0	2.25 2.00
C	TMVW+p	MT20	4.0	4.0	1.25 2.00
D	BMV1+p	MT20	3.0	4.0	
E	BMVWW+t	MT20	4.0	9.0	
F	BMV1+p	MT20	3.0	4.0	

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

BEARINGS			
FACTORED	MAXIMUM FACTORED	INPUT	REQD
GROSS REACTION	GROSS REACTION	BRG	BRG
JT VERT	HORZ	DOWN	HORZ
F 593 0	593 0	0 0	5-8 5-8
D 593 0	593 0	0 0	MECHANICAL

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

UNFACTORED REACTIONS

1ST CASE	MAX/MIN. COMPONENT REACTIONS					
JT COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F 419	275 / 0	0 / 0	0 / 0	0 / 0	144 / 0	0 / 0
D 419	275 / 0	0 / 0	0 / 0	0 / 0	144 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LG)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LG)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	-428 / 0	-91.8 -91.8	0.34 (1)	8.25	E-B	-20 / 85	0.03 (4)
B-C	-428 / 0	-91.8 -91.8	0.34 (1)	8.25	A-E	0 / 362	0.08 (1)
F-A	-554 / 0	0.0 0.0	0.08 (1)	7.81	E-C	0 / 362	0.08 (1)
D-C	-554 / 0	0.0 0.0	0.08 (1)	7.81			
F-E	0 / 0	-18.5 -18.5	0.15 (4)	10.00			
E-D	0 / 0	-18.5 -18.5	0.15 (4)	10.00			

TOTAL WEIGHT = 2 X 41 = 82 LB

DESIGN CRITERIA

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

SPACING = 24.0 IN. OC

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, 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 088-14
- TPIC 2011, TPIC 2014

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

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

CSI: TC=0.34/1.00 (B-C:1), BC=0.15/1.00 (D-E:4), WB=0.08/1.00 (C-E:1), SS=0.16/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

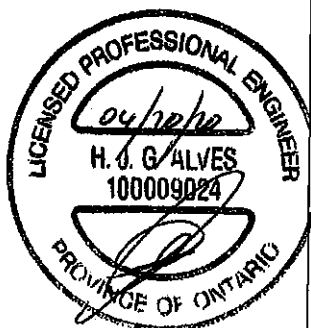
NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION (PS) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1867 768 1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.45 (C) (INPUT = 0.90)

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

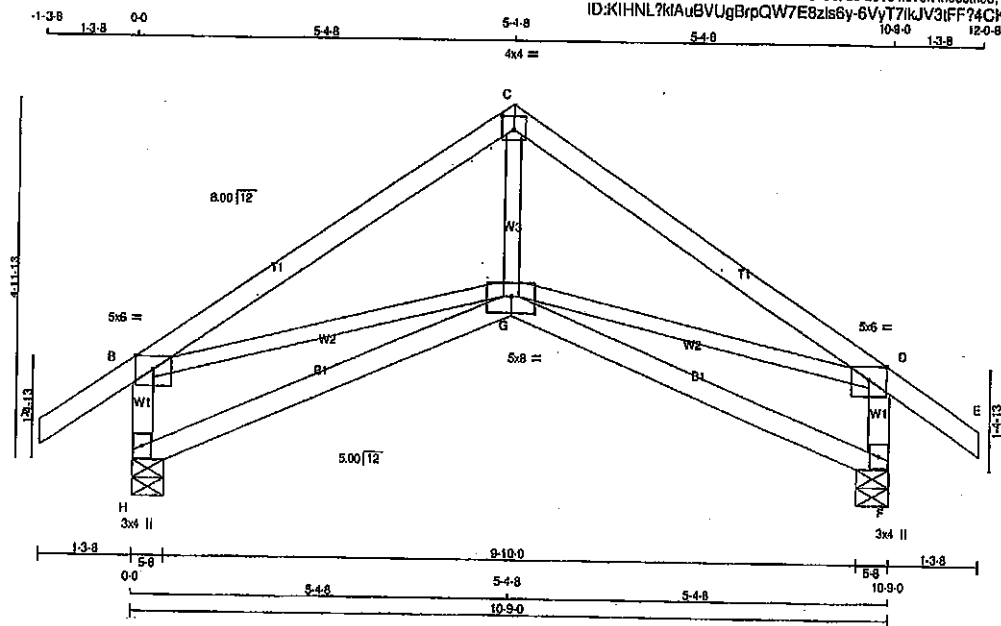


Structural component only
DWG# T-2006474

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408163	T7S	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

Version 8.310 S Oct 29 2019 M Tek Industries, Inc. Fri Apr 17 08:46:44 2020 Page 1
ID:KIHNL7kAuBVUgBrpQW7E8zls6y-6VyT7kV3IFF74CKIDeLN8p4zBIEiFJ5DKZBbzP1X9

Scale = 1:29.5



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

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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW-p	MT20	5.0	8.0	Edge
C	TTW-p	MT20	4.0	4.0	2.25 2.00
D	TMVW-p	MT20	5.0	8.0	Edge
F	BMV1-p	MT20	3.0	4.0	
G	BBWWV-p	MT20	5.0	8.0	2.75 4.00
H	BMV1-p	MT20	3.0	4.0	

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS REACTION	DOWN	GROSS REACTION	DOWN	BRG	IN-SX	BRG	IN-SX
H	719	0	719	0	0	5-8	5-8	5-8	5-8
F	719	0	719	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS		MAX/MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	
H	506	345 / 0	0 / 0	0 / 0	0 / 0	181 / 0	0 / 0	
F	506	345 / 0	0 / 0	0 / 0	0 / 0	181 / 0	0 / 0	

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, 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)	LC1	MAX. CSI (L)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (L)	
FR-TO		FROM TO				FR-TO			
A-B	0 / 35	-91.8	-91.8	0.12 (1)	10.00	G-C	0 / 323	0.07 (1)	
B-C	-735 / 0	-91.8	-91.8	0.35 (1)	8.25	B-G	0 / 622	0.14 (1)	
C-D	-735 / 0	-91.8	-91.8	0.35 (1)	8.25	G-D	0 / 622	0.14 (1)	
D-E	0 / 35	-91.8	-91.8	0.12 (1)	10.00				
H-B	-869 / 0	0.0	0.0	0.07 (1)	7.81				
F-D	-869 / 0	0.0	0.0	0.07 (1)	7.81				
H-G	0 / 0	-18.5	-18.5	0.18 (4)	10.00				
G-F	0 / 0	-18.5	-18.5	0.18 (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 NBCC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 089-09, 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 (0.36")
CALCULATED VERT. DEFL. (LL) = L/999 (0.02")
ALLOWABLE DEFL. (TL) = L/360 (0.36")
CALCULATED VERT. DEFL. (TL) = L/999 (0.00")

CSI: TC=0.35/1.00 (B-C:1), BC=0.16/1.00 (G-H:4), WB=0.14/1.00 (B-G:1), SS=0.16/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

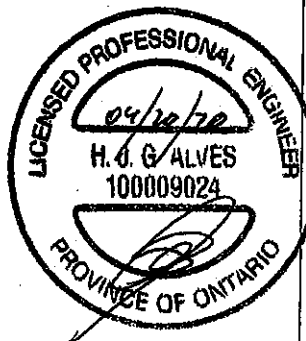
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP (DRY) SHEAR SECTION
(PS) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 789 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.54 (C) (INPUT = 0.80)
JSI METAL= 0.17 (D) (INPUT = 1.00)



Structural component only
DWG# T-2006475

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 2.00/12 MINIMUM

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCRC 2018, CBC 2012, ABC 2019
- PART 8 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = $L/380$ (0.40")
CALCULATED VERT. DEFL.(LL) = $L/989$ (0.14")
ALLOWABLE DEFL.(TL) = $L/380$ (0.40")
CALCULATED VERT. DEFL.(TL) = $L/558$ (0.28")

CSI: TC=0.63/1.00 (D-E:1), BC=0.85/1.00 (J-K:1),
WB=0.93/1.00 (B-K:1), SSI=0.32/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.89 (K) (INPUT = 0.90)
JSI METAL = 0.73 (K) (INPUT = 1.00)

Structural component only 1/2
DWG# T 2006478

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408163	T8	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

Version B.310 S Oct 29 2019 Mitek Industries, Inc. Fil Apr 17 14:14:48 2020 Page 2
ID:KIHNL7kIAuBVUqBrpQW7E8zls6y-mNKqMOvOu RJm?UJRIIM67KQc9IACD6rdQqk8JhzPolb

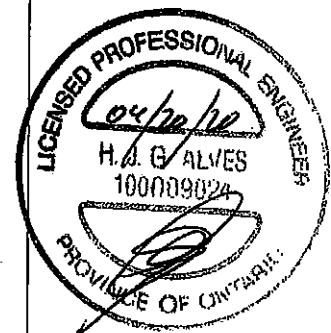
Edge - INDICATES REFERENCE CORNER OF PLATE
TOUCHES EDGE OF CHORD.

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
Q	10-1-12	-4	-4	---	BACK	VERT	TOTAL	---	C1
R	9-12	-702	-702	---	FRONT	VERT	TOTAL	---	C1
S	2-9-12	-574	-574	---	FRONT	VERT	TOTAL	---	C1
T	6-1-12	-6	-6	---	BACK	VERT	TOTAL	---	C1
U	7-1-12	-1438	-1438	---	FRONT	VERT	TOTAL	---	C1
V	8-1-12	-1	-1	---	BACK	VERT	TOTAL	---	C1
W	10-1-12	-1	-1	---	BACK	VERT	TOTAL	---	C1
X	11-1-12	-1438	-1438	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

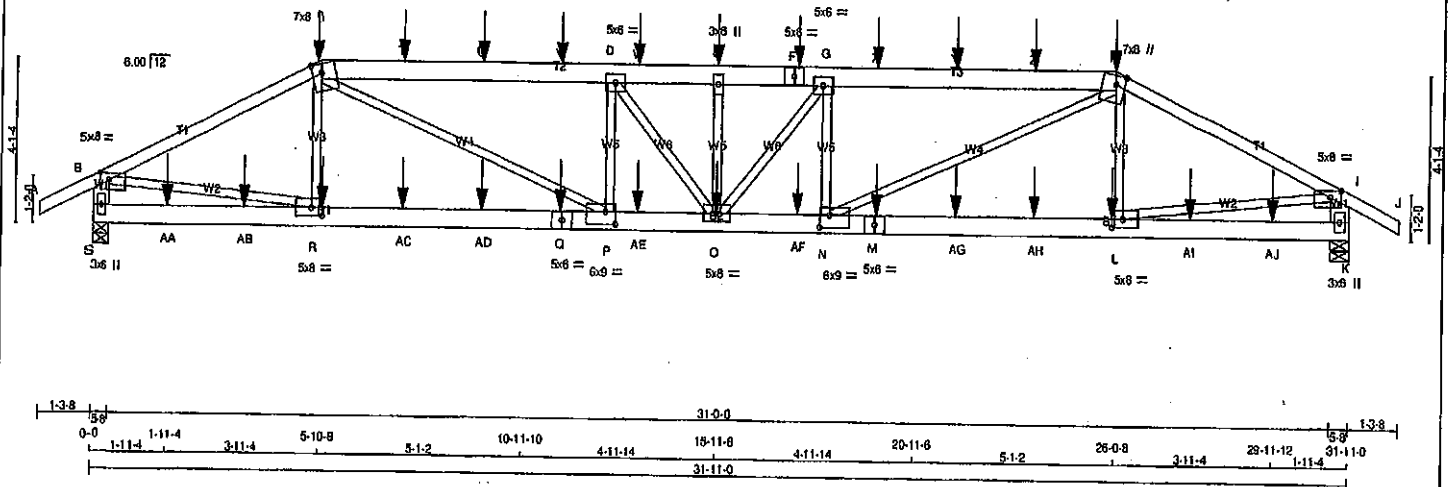


Structural component only
DWG# T-2006476

22

JOB NAME 408165	TRUSS NAME T21	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 ID:Ovhky48Q0cPCc_Y353NoTWzlcKo-KoF1vV? Qqkh_s4XuWdiW0BAKwy8Vdn7_gxOxzPzP
 1-3-8 0-0 5-10-8 5-1-2 10-11-10 4-11-14 15-11-8 4-11-14 20-11-6 5-1-2 26-0-8 5-10-8 31-11-0 1-3-8
 Scale = 1:52.6



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

ALL WEBS 2x3 DRY No.2 SPF
 EXCEPT

DRY: SEASONED LUMBER.

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

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

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

PLATES (tablets in inches)	W	LEN	Y	X
JT TYPE				
B TMWW-p	MT20	5.0	8.0	2.60 3.25
C TTWW-m	MT20	7.0	8.0	2.75 2.75
D TMWW-l	MT20	5.0	6.0	
E TMWW-w	MT20	3.0	6.0	
F TS-l	MT20	5.0	6.0	
G TMWW-l	MT20	5.0	6.0	
H TTWW-m	MT20	7.0	8.0	2.75 2.75
I TMWW-p	MT20	5.0	8.0	2.00 3.25
K BMW-l+p	MT20	3.0	6.0	
L BMWW-l	MT20	5.0	8.0	2.50 3.25
M BS-l	MT20	5.0	6.0	
N BMWW-l	MT20	6.0	9.0	3.75 3.00
O BMWW-l	MT20	5.0	8.0	
P BMWW-l	MT20	6.0	9.0	3.75 3.00
Q BS-l	MT20	5.0	6.0	
R BMWW-l	MT20	5.0	8.0	2.50 3.25
S BMW-l+p	MT20	3.0	6.0	

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT 3035	DOWN 3035	0	5-8
S	HORZ 0	HORZ 0	0	5-8
K	0	0	0	5-8

UNFACTORED REACTIONS	1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
S	2146	1410 / 0 0 / 0 0 / 0 0 / 0 736 / 0 0 / 0
K	2145	1409 / 0 0 / 0 0 / 0 0 / 0 738 / 0 0 / 0

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

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.07 FT.
 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)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO					FR-TO			
A-B	0 / 28	-91.8	-91.8	0.07 (1)	10.00	R-C	-311 / 77	0.04 (1)
B-C	-4576 / 0	-91.8	-91.8	0.48 (1)	4.07	C-P	0 / 2765	0.34 (1)
C-T	-8582 / 0	-91.8	-91.8	0.38 (1)	4.33	P-D	-1080 / 0	0.13 (1)
T-U	-8582 / 0	-91.8	-91.8	0.38 (1)	4.33	D-O	-109 / 0	0.02 (1)
U-V	-8582 / 0	-91.8	-91.8	0.38 (1)	4.33	O-E	0 / 191	0.02 (1)
V-D	-8582 / 0	-91.8	-91.8	0.38 (1)	4.33	O-G	-105 / 0	0.02 (1)
D-W	-8516 / 0	-91.8	-91.8	0.29 (1)	4.40	N-G	-1059 / 0	0.13 (1)
W-E	-8516 / 0	-91.8	-91.8	0.29 (1)	4.40	N-H	0 / 2763	0.34 (1)
E-F	-8516 / 0	-91.8	-91.8	0.29 (1)	4.40	L-H	-311 / 77	0.04 (1)
F-G	-8516 / 0	-91.8	-91.8	0.29 (1)	4.40	B-R	0 / 4138	0.51 (1)
G-X	-8580 / 0	-91.8	-91.8	0.38 (1)	4.33	L-I	0 / 4137	0.51 (1)
X-Y	-8580 / 0	-91.8	-91.8	0.38 (1)	4.33			
Y-Z	-8580 / 0	-91.8	-91.8	0.38 (1)	4.33			
Z-H	-8580 / 0	-91.8	-91.8	0.38 (1)	4.33			
H-I	-4574 / 0	-91.8	-91.8	0.48 (1)	4.07			
I-J	0 / 28	-91.8	-91.8	0.07 (1)	10.00			
S-B	-2972 / 0	0.0	0.0	0.10 (1)	7.81			
K-I	-2971 / 0	0.0	0.0	0.10 (1)	7.81			
S-AA	0 / 0	-18.5	-18.5	0.08 (4)	10.00			
AA-AB	0 / 0	-18.5	-18.5	0.08 (4)	10.00			
AB-R	0 / 0	-18.5	-18.5	0.08 (4)	10.00			
RA-C	0 / 4111	-18.5	-18.5	0.33 (1)	10.00			
AC-AD	0 / 4111	-18.5	-18.5	0.33 (1)	10.00			
AD-Q	0 / 4111	-18.5	-18.5	0.33 (1)	10.00			
Q-P	0 / 4111	-18.5	-18.5	0.33 (1)	10.00			
PA-E	0 / 6582	-18.5	-18.5	0.47 (1)	10.00			
AE-O	0 / 6579	-18.5	-18.5	0.47 (1)	10.00			
OF	0 / 6579	-18.5	-18.5	0.47 (1)	10.00			
AF-N	0 / 4109	-18.5	-18.5	0.33 (1)	10.00			
N-M	0 / 4109	-18.5	-18.5	0.33 (1)	10.00			
MA-G	0 / 4109	-18.5	-18.5	0.33 (1)	10.00			
AG-AH	0 / 4109	-18.5	-18.5	0.33 (1)	10.00			
AH-L	0 / 4109	-18.5	-18.5	0.33 (1)	10.00			
L-AJ	0 / 0	-18.5	-18.5	0.08 (4)	10.00			
AJ-K	0 / 0	-18.5	-18.5	0.08 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)	JT	LOC.	LC1	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
C	5-10-8	-457	-457	---	FRONT	VERT	TOTAL	---	C1
E	15-11-8	-110	-110	---	FRONT	VERT	TOTAL	---	C1
F	17-11-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1

TOTAL WEIGHT = 2 X 155 = 311 LB

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

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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 (1.08")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.16")
 ALLOWABLE DEFL.(TL) = L/360 (1.08")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.30")

CSI: TC=0.48/1.00 (B-C:1), BC=0.47/1.00 (O-P:1), WB=0.51/1.00 (B-R:1), SS=0.20/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.54 (R) (INPUT = 0.90)
 JSI METAL = 0.40 (M) (INPUT = 1.00)

Structural component only 1/2
 DWG# T-2006487

CONTINUED ON PAGE 2

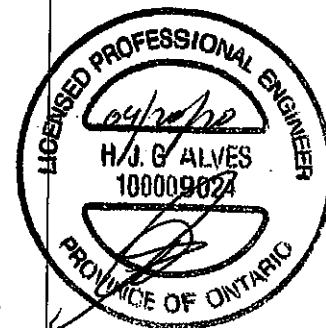
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408165	T21	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:Ovhky48Q0cPQg Y353NoTWzKcKo-KoF1vV? Qqkh s4XuUWdIW0BAKwy8Vdn7 qrxOxzPzP

FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
H	28-0-8	-457	-457	---	FRONT	VERT	TOTAL	---	C1
L	25-11-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
M	19-11-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
O	15-11-8	-26	-26	---	FRONT	VERT	TOTAL	---	C1
Q	11-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
R	5-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
T	7-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
U	9-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
V	11-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
W	13-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
X	19-11-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Y	21-11-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Z	23-11-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AA	1-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AB	3-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AC	7-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AD	9-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AE	13-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AF	17-11-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AG	21-11-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AH	23-11-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AI	27-11-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AJ	29-11-12	-25	-26	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

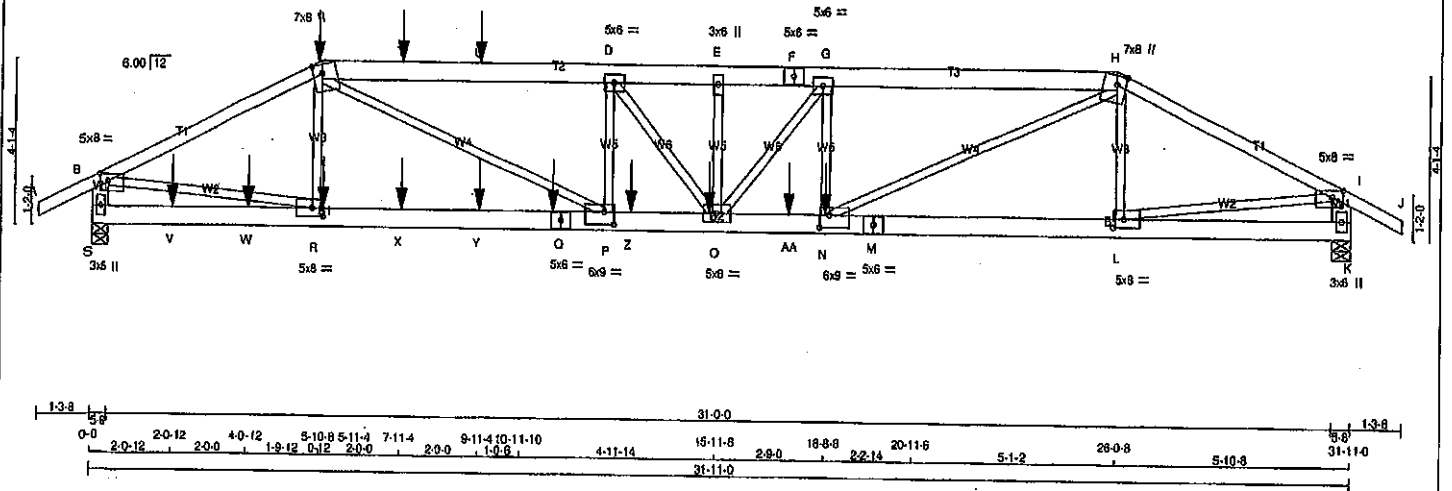


Structural component only
DWG# T-2006487

7/2

JOB NAME 408165	TRUSS NAME T21Z	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Road Truss, Burlington				TRUSS DESC.	

Version 8.310 S Oct 29 2019 Mittek Industries, Inc. Fri Apr 17 08:44:21 2020 Page 1
 ID:Ovhtky48Q0cPQc_Y353NoTWzlcKo-o7pF6r0cB7sYb0lFRD862DjHvKBye7sGDubVwOzPiZo
 1-3-8 0-0 5-10-8 5-10-8 2-0-12 7-11-4 9-11-4 10-11-10 4-11-14 15-11-8 4-11-14 20-11-6 5-1-2 26-0-8 5-10-8 31-11-0 33-2-8
 Scale = 1:52.8



LUMBER			
N. L. G. A. RULES	SIZE	DRY	DESCR.
CHORDS			
A - C	2x4	DRY	No.2
C - F	2x8	DRY	No.2
F - H	2x8	DRY	No.2
H - J	2x4	DRY	No.2
S - B	2x8	DRY	No.2
K - I	2x8	DRY	No.2
S - Q	2x8	DRY	No.2
Q - M	2x8	DRY	No.2
M - K	2x8	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122'x3') SPIRAL NAILS		
A-C	12	SIDE (81.0)
H-J	12	TOP
C-F	12	SIDE (81.0)
F-H	12	TOP
S-B	12	TOP
K-I	12	TOP
BOTTOM CHORDS : (0.122'x3') SPIRAL NAILS		
S-Q	12	SIDE (183.1)
Q-M	12	SIDE (183.1)
M-K	12	TOP
WEBS : (0.122'x3') SPIRAL NAILS		
2x3	6	SIDE (300.5)
G-N	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (tablets in inches)	PLATES	W	LEN	Y	X
JT TYPE					
B TMVW-p	MT20	5.0	8.0	2.00	3.25
C TTWW-m	MT20	7.0	8.0	2.75	2.75
D TMVW-i	MT20	5.0	6.0		
E TMVW-w	MT20	3.0	6.0		
F TS-i	MT20	5.0	6.0		
G TMVW-i	MT20	5.0	6.0		
H TTWW-m	MT20	7.0	8.0	2.75	2.75
I TMVW-p	MT20	5.0	8.0	2.00	3.25
K BMV1-p	MT20	3.0	6.0		
L BMVW-i	MT20	5.0	8.0	2.50	3.25
M BS-i	MT20	5.0	6.0		
N BMVW-i	MT20	8.0	9.0	3.75	3.00
O BMVW-i	MT20	5.0	8.0		
P BMVW-i	MT20	6.0	9.0	3.75	3.00
Q BS-i	MT20	5.0	6.0		
R BMVW-i	MT20	5.0	8.0	2.50	3.25
S 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	JT VERT	IN-SX	IN-SX
S 4881 0	4881 0	5-8	5-8
K 4115 0	4115 0	5-8	5-8
UNFACTORED REACTIONS			
1ST CASE	MAX/MIN. COMPONENT REACTIONS		
JT COMBINED	SNOW	LIVE	PERM. LIVE
S 3289 2187 0	0/0	0/0	1092 0 0 0
K 2801 1984 0	0/0	0/0	947 0 0 0

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

SHADING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.09 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)
FR-TO			
A-B	0/28	-91.8 -91.8 0.07 (1)	10.00
B-C	-7526/0	-91.8 -91.8 0.75 (1)	3.09
C-T	-11588/0	-91.8 -91.8 0.51 (1)	3.27
T-U	-11588/0	-91.8 -91.8 0.51 (1)	3.27
U-D	-11588/0	-91.8 -91.8 0.51 (1)	3.27
D-E	-11588/0	-91.8 -91.8 0.51 (1)	3.27
E-F	-11588/0	-91.8 -91.8 0.51 (1)	3.27
F-G	-11588/0	-91.8 -91.8 0.51 (1)	3.27
G-H	-11588/0	-91.8 -91.8 0.51 (1)	3.27
H-I	-6538/0	-91.8 -91.8 0.51 (1)	3.27
I-J	0/28	-91.8 -91.8 0.07 (1)	10.00
S-B	-4635/0	0.0 0.0 0.16 (1)	6.71
K-I	-4078/0	0.0 0.0 0.14 (1)	7.05
WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)
FR-TO			
R-C	-38/149	0.03 (4)	0.03 (4)
C-P	0/5427	0.67 (1)	0.67 (1)
P-D	-1128/0	0.13 (1)	0.13 (1)
D-O	0/489	0.08 (1)	0.08 (1)
O-E	-20/33	0.00 (1)	0.00 (1)
E-G	0/148	0.02 (1)	0.02 (1)
G-N	-777/0	0.09 (1)	0.09 (1)
N-H	0/5629	0.82 (1)	0.82 (1)
H-R	-609/0	0.08 (1)	0.08 (1)
R-L	0/8807	0.84 (1)	0.84 (1)
L-I	0/5913	0.73 (1)	0.73 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	TOTAL	C1
C	5-10-8	-380	-380	---	BACK	VERT	---
N	18-8-8	-1854	-1854	---	BACK	VERT	---
O	15-9-4	-459	-459	---	BACK	VERT	---
Q	11-8-4	-459	-459	---	BACK	VERT	---
R	5-11-4	-256	-256	---	BACK	VERT	---
T	7-11-4	-33	-33	---	BACK	VERT	---
U	9-11-4	-33	-33	---	BACK	VERT	---
V	2-0-12	-41	-41	---	BACK	VERT	---
W	4-0-12	-61	-61	---	BACK	VERT	---
X	7-11-4	-256	-256	---	BACK	VERT	---
Y	9-11-4	-256	-256	---	BACK	VERT	---
Z	13-9-4	-459	-459	---	BACK	VERT	---

DESIGN CRITERIA

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

SPACING = 24.0 IN. OC

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

ALLOWABLE DEFL.(LL) = L/360 (1.06")
 CALCULATED VERT. DEFL.(LL) = L/959 (0.29")
 ALLOWABLE DEFL.(TL) = L/360 (1.06")
 CALCULATED VERT. DEFL.(TL) = L/717 (0.53")

CSI: TC=0.75/1.00 (B-C:1), BC=0.94/1.00 (N-O:1), WB=0.84/1.00 (B-R:1), SS=0.23/1.00 (P-R: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
 (PS) (PL) (PLI)
 MAX MIN MAX MIN MAX MIN
 MT20 518 354 1667 788 1967 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (IN) (INPUT = 0.90)
 JSI METAL= 0.73 (IN) (INPUT = 1.00)

Structural component only 1/2
 DWG# T-2006488

CONTINUED ON PAGE 2

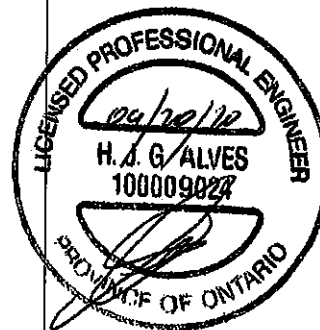
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408165	T21Z	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 08:44:21 2020 Page 2
 ID:Ovhtky48Q0cPQc Y353NoTWzicKc-o?oP6r0cB7sYb0JRD862DjHhKByE7sGDUpVwOzPzO

FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
AA	17-9-4	-450	-450	---	BACK	VERT	TOTAL	---	CI

CONNECTION REQUIREMENTS

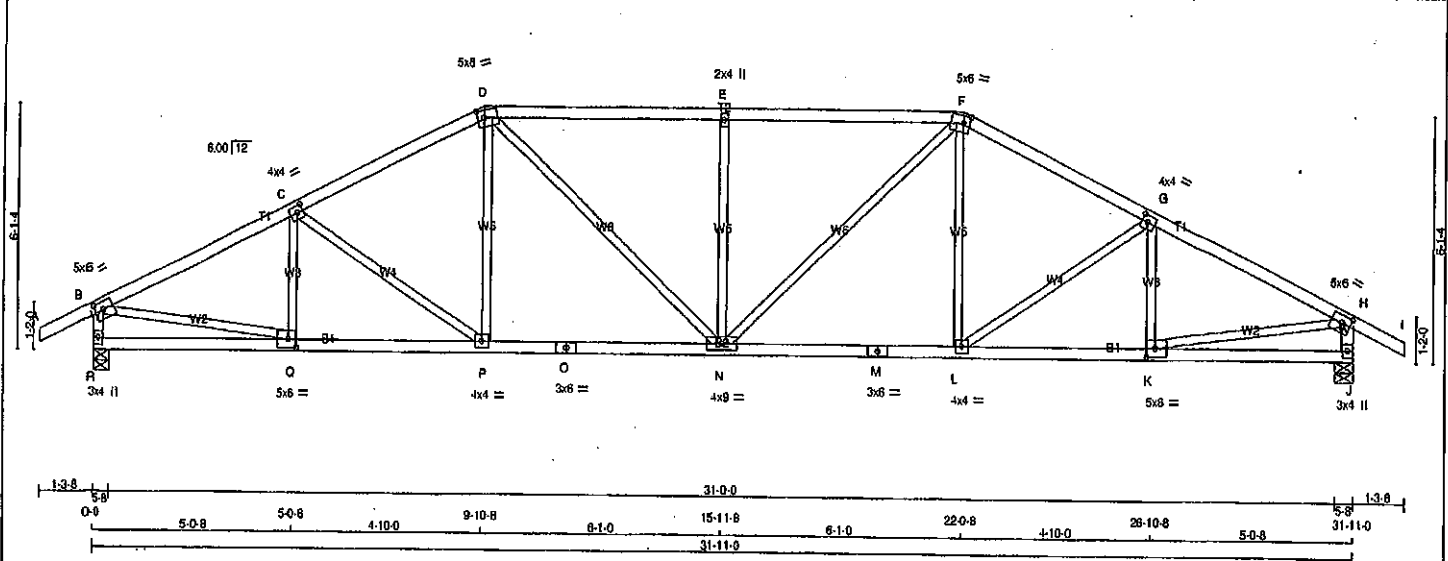
- 1) CI: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.



Structural component only
 DWG# T-2006488 2/2

JOB NAME 408165	TRUSS NAME T23	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Rd Truss, Burlington					

Version 8.310 S Oct 29 2019 MTek Industries, Inc. Fri Apr 17 08:44:22 2020 Page 1
ID:1ebEM4Ca92xn94Zv7KFPzmBR3-GBMoKB1EyR_ODAEv?xlLbRGV_jf9yX6PR8K2SqzPzN
31-11-0 33-2-6
Scale = 1:52.6



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

DRY: SEASONED LUMBER.

PLATES (table in inches)							
JT	TYPE	PLATES	W	LEN	Y	X	
B	TMVW-t	MT20	5.0	6.0	2.25	2.75	
C	TMVW-t	MT20	4.0	4.0	2.00	1.75	
D	TTWW-m	MT20	5.0	6.0	2.25	2.00	
E	TMVW-t	MT20	2.0	4.0			
F	TTWW-m	MT20	5.0	6.0	2.25	2.00	
G	TMVW-t	MT20	4.0	4.0	2.00	1.75	
H	TMVW-t	MT20	5.0	6.0	2.25	2.75	
J	BMV1-p	MT20	3.0	4.0			
K	BMVW-t	MT20	5.0	6.0	2.50	2.50	
L	BMVW-t	MT20	4.0	4.0			
M	BS-t	MT20	3.0	6.0			
N	BMVWW-t	MT20	4.0	9.0			
O	BS-t	MT20	3.0	6.0			
P	BMVW-t	MT20	4.0	4.0			
Q	BMVW-t	MT20	5.0	6.0	2.50	2.50	
R	BMV1-p	MT20	3.0	4.0			

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	HORZ	UPLIFT	IN-SX
R	1884	0	1884	0
J	1884	0	1884	0

UNFACTORED REACTIONS	1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW LIVE PERMILIVE WIND DEAD SOIL
R	1330	886 0 0 0 0 0
J	1330	886 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 = 3.82 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED HORIZ. LOAD (PLF)	MAX. FACTORED LENGTH (FT)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORIZ. LOAD (PLF)
A-B	0.28	-91.8	-91.8	0.12 (1)	10.00	Q-C	-301.0	0.07 (1)	
B-C	-2538.0	-91.8	-91.8	0.37 (1)	4.02	C-P	-284.0	0.16 (1)	
C-D	-2342.0	-91.8	-91.8	0.36 (1)	4.17	P-D	0.257	0.06 (1)	
D-E	-2493.0	-91.8	-91.8	0.54 (1)	3.82	D-N	0.575	0.13 (1)	
E-F	-2493.0	-91.8	-91.8	0.54 (1)	3.82	N-E	-685.0	0.40 (1)	
F-G	-2342.0	-91.8	-91.8	0.35 (1)	4.17	E-F	0.575	0.13 (1)	
G-H	-2538.0	-91.8	-91.8	0.37 (1)	4.02	L-F	0.257	0.06 (1)	
H-I	0.28	-91.8	-91.8	0.12 (1)	10.00	L-G	-284.0	0.16 (1)	
I-J	-1841.0	0.0	0.0	0.19 (1)	6.17	K-G	-301.0	0.07 (1)	
J-K	-1841.0	0.0	0.0	0.19 (1)	6.17	B-Q	0.2323	0.52 (1)	
R-Q	0.0	-18.5	-18.5	0.10 (4)	10.00	K-H	0.2323	0.52 (1)	
Q-P	0.2290	-18.5	-18.5	0.43 (1)	10.00				
P-O	0.2077	-18.5	-18.5	0.40 (1)	10.00				
O-N	0.2077	-18.5	-18.5	0.40 (1)	10.00				
N-M	0.2077	-18.5	-18.5	0.40 (1)	10.00				
M-L	0.2077	-18.5	-18.5	0.40 (1)	10.00				
L-K	0.2290	-18.5	-18.5	0.43 (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
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 2.00/12 MINIMUM

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 NBCC 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 (1.06")
CALCULATED VERT. DEFL. (LL) = L/999 (0.13")
ALLOWABLE DEFL. (TL) = L/360 (1.06")
CALCULATED VERT. DEFL. (TL) = L/999 (0.24")
CSI: TG=0.54/1.00 (D-E:1), BC=0.43/1.00 (K-L:1), WB=0.52/1.00 (H-K:1), SSI=0.27/1.00 (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

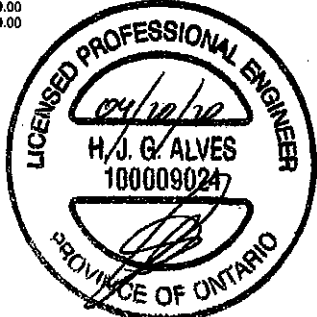
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

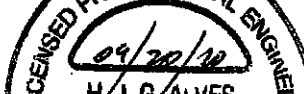
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.90 (B) (INPUT = 0.80)
JSI METAL = 0.87 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006490



	MAX	MIN	MAX	MIN	IP-LJ	MAX	MIN
MT20	618	354	1667	788	1987	1658	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

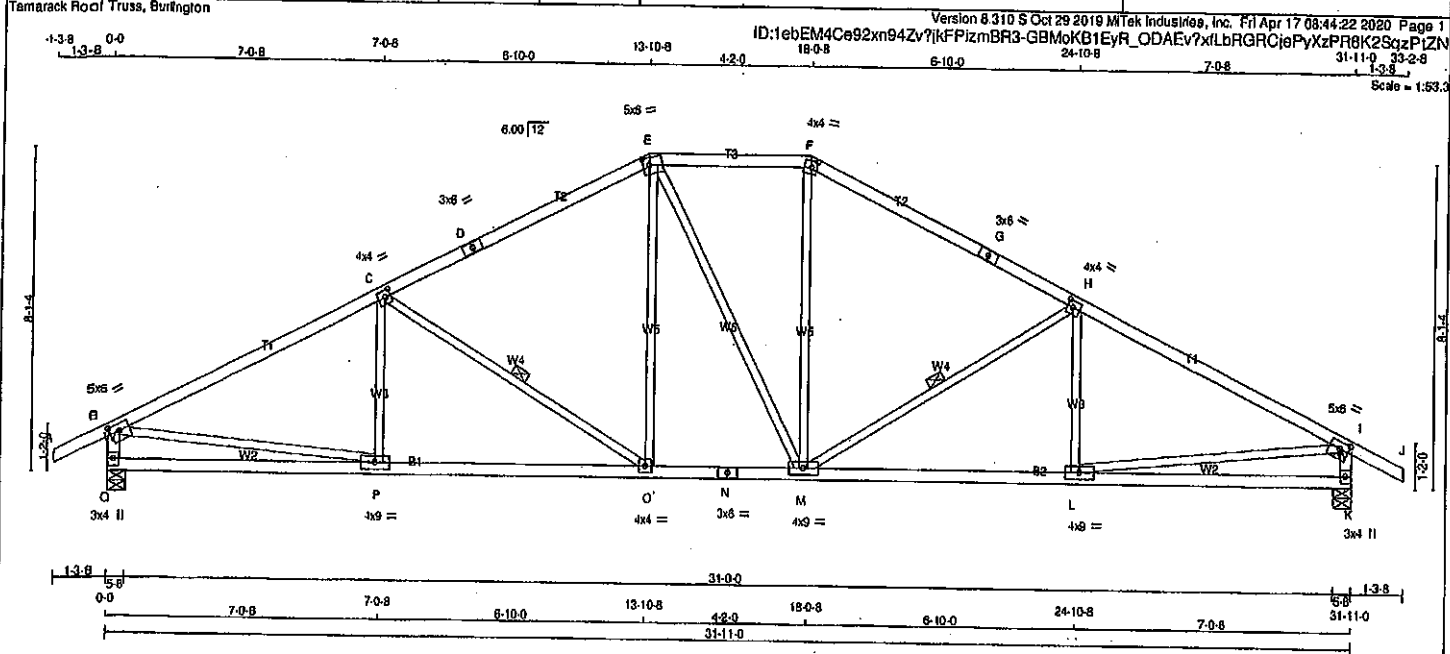
JSI GRIP = 0.88 (H) (INPUT = 0.90)

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

Structural component only

DWG# T-2006491

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408165	T25	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			



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

PLATES (tablets in inches)						
JT	TYPE	PLATES	W	LEN	Y	X
B	TMWV-I	MT20	5.0	6.0	2.00	2.75
C	TMWV-I	MT20	4.0	4.0	2.00	1.75
D	TS-I	MT20	3.0	6.0		
E	TTWV-m	MT20	5.0	6.0	2.25	2.00
F	TTW-m	MT20	4.0	4.0	2.00	1.75
G	TS-I	MT20	3.0	6.0		
H	TMWV-I	MT20	4.0	4.0	2.00	1.75
I	TMWV-I	MT20	5.0	6.0	2.00	2.75
K	BMV1+P	MT20	3.0	4.0		
L	BMWV-I	MT20	4.0	9.0		
M	BMWVW-I	MT20	4.0	9.0		
N	BS-I	MT20	3.0	6.0		
O	BMWV-I	MT20	4.0	4.0		
P	BMWV-I	MT20	4.0	9.0		
Q	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	DOWN	UP	DOWN
Q	1884	0	0	5-8
K	1884	0	0	5-8

UNFACTORED REACTIONS							
1ST LCASE		MAX /MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	1330	886 / 0	0 / 0	0 / 0	0 / 0	444 / 0	0 / 0
K	1330	886 / 0	0 / 0	0 / 0	0 / 0	444 / 0	0 / 0

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

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 C-Q, H-M.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	LC2 MAX	UNBRACED LENGTH	FR-TO	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSJ (LC)
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	P-C	-140 / 71	0.05 (1)			
B-C	-2587 / 0	-91.8	-91.8	0.78 (1)	3.47	C-O	-681 / 0	0.31 (1)			
C-D	-2013 / 0	-91.8	-91.8	0.68 (1)	3.97	O-E	0 / 458	0.10 (1)			
D-E	-2013 / 0	-91.8	-91.8	0.68 (1)	3.97	E-M	0 / 2	0.00 (1)			
E-F	-1775 / 0	-91.8	-91.8	0.24 (1)	4.79	M-P	0 / 460	0.10 (1)			
F-G	-2013 / 0	-91.8	-91.8	0.68 (1)	3.97	M-H	-680 / 0	0.31 (1)			
G-H	-2013 / 0	-91.8	-91.8	0.68 (1)	3.97	L-H	-142 / 70	0.05 (1)			
H-I	-2587 / 0	-91.8	-91.8	0.78 (1)	3.47	B-P	0 / 2382	0.53 (1)			
I-J	0 / 28	-91.8	-91.8	0.12 (1)	10.00	L-I	0 / 2381	0.53 (1)			
Q-B	-1830 / 0	0.0	0.0	0.18 (1)	6.19						
K-I	-1830 / 0	0.0	0.0	0.18 (1)	6.19						
Q-P	0 / 0	-18.5	-18.5	0.22 (4)	10.00						
P-O	0 / 2344	-18.5	-18.5	0.48 (1)	10.00						
O-N	0 / 1774	-18.5	-18.5	0.35 (1)	10.00						
N-M	0 / 1774	-18.5	-18.5	0.35 (1)	10.00						
M-L	0 / 2344	-18.5	-18.5	0.48 (1)	10.00						
L-K	0 / 0	-18.5	-18.5	0.22 (4)	10.00						

DESIGN CRITERIA

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

SPACING = 24.0 IN./C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015, OBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL. (LL) = L/360 (1.06")
CALCULATED VERT. DEFL. (LL) = U/999 (0.12")
ALLOWABLE DEFL. (TL) = L/360 (1.06")
CALCULATED VERT. DEFL. (TL) = U/999 (0.24")

CSI: TC=0.78/1.00 (B-C:1), BC=0.48/1.00 (O-P:1),
WB=0.53/1.00 (B-P:1), SI=0.28/1.00 (H-I:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

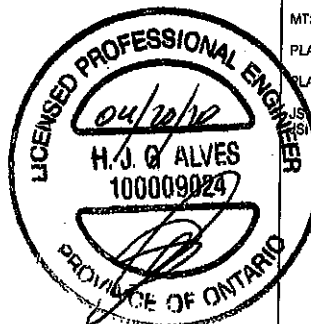
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

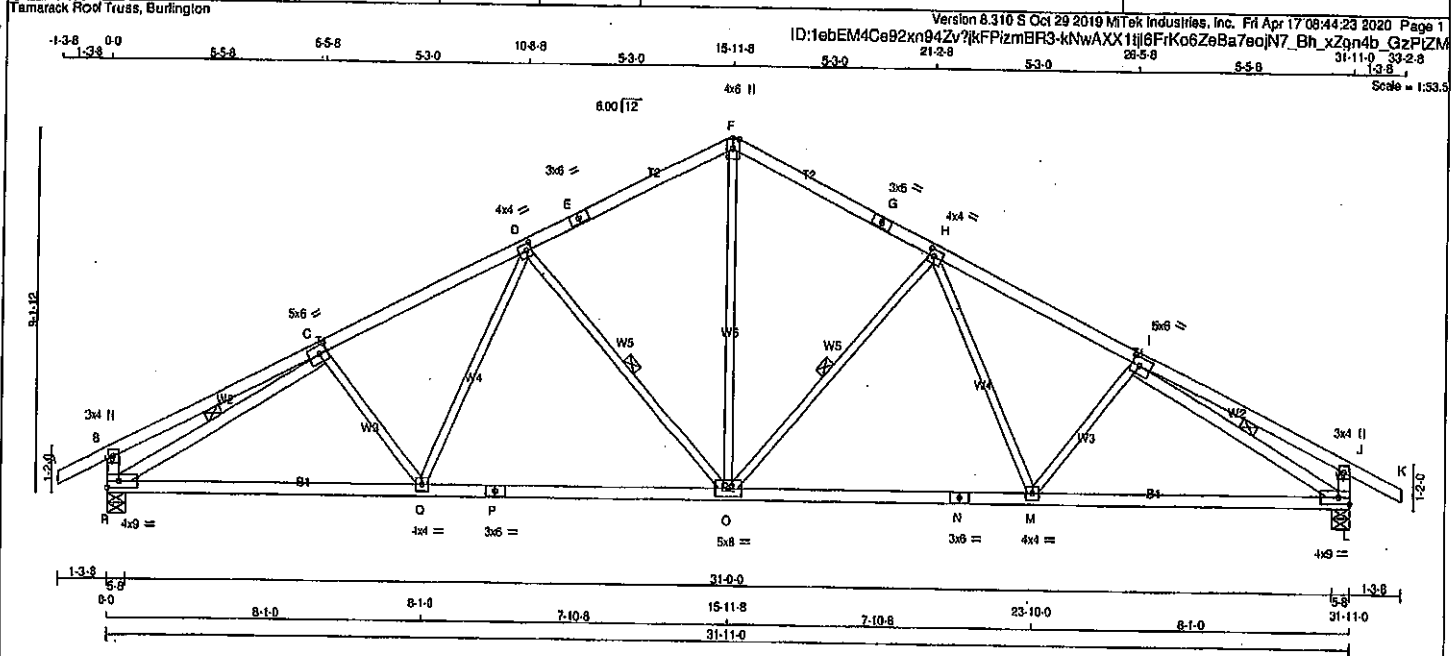
PLATE ROTATION TOL. = 5.0 Deg.

JS GRIP= 0.89 (B) (INPUT = 0.90)
CSI METAL= 0.70 (B) (INPUT = 1.00)



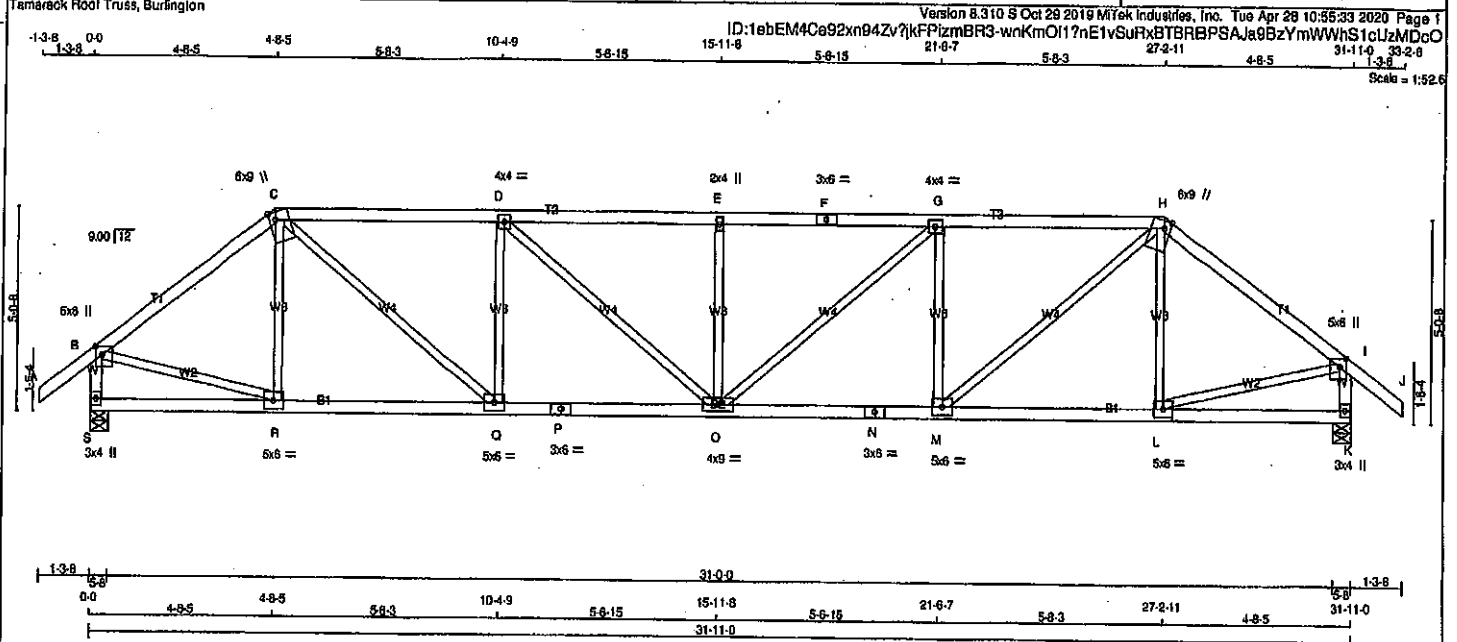
Structural component only
DWG# T-2006492

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	T26	8	1	TRUSS DESC.		



LUMBER N. L. G. A. RULES CHORDS SIZE LUMBER DESCR.				BEARINGS FACTORED MAXIMUM FACTORED INPUT REQD GROSS REACTION GROSS REACTION BRG BRG JT VERT HORZ DOWN HORZ UPLIFT IN-SX IN-SX R 1884 0 1884 0 0 5-8 5-8 L 1884 0 1884 0 0 5-8 5-8				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 SPACING = 24.0 IN. C/C THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015 THIS DESIGN COMPLIES WITH: - PART 9 OF CBC 2018, CBC 2012, ABC 2019 - PART 9 OF CBC 2012 (2019 AMENDMENT) - CSA 086-08, CSA 086-14 - TPIC 2011, TPIC 2014 (55% OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD ALLOWABLE DEFL.(LL) = L/360 (1.06") CALCULATED VERT. DEFL.(LL) = L/999 (0.11") ALLOWABLE DEFL.(TL) = L/360 (1.06") CALCULATED VERT. DEFL.(TL) = L/999 (0.24") CSI: TC=0.37/1.00 (H-H:1), BC=0.51/1.00 (L-M:1), WB=0.55/1.00 (H-L:1), SS=0.20/1.00 (J-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 1687 788 1987 1656 PLATE PLACEMENT TOL. = 0.250 inches PLATE ROTATION TOL. = 5.0 Deg. JSI GRIP= 0.85 (I) (INPUT = 0.90) JSI METAL= 0.67 (I) (INPUT = 1.00)			
PLATES (table is in inches) JT TYPE PLATES W LEN Y X B TMV+p MT20 3.0 4.0 C TMWV-1 MT20 5.0 8.0 2.50 2.50 D TMWV-1 MT20 4.0 4.0 2.00 1.50 E TS-1 MT20 3.0 6.0 F TTW+p MT20 4.0 8.0 Edge G TS-1 MT20 3.0 6.0 H TMWV-1 MT20 4.0 4.0 2.00 1.50 I TMWV-1 MT20 5.0 6.0 2.50 2.50 J TMV+p MT20 3.0 4.0 L BMWV-1 MT20 4.0 9.0 Edge M BMWV-1 MT20 4.0 4.0 N BS-1 MT20 3.0 6.0 O BMWV-1 MT20 5.0 8.0 P BS-1 MT20 3.0 6.0 Q BMWV-1 MT20 4.0 4.0 R BMWV-1 MT20 4.0 9.0 Edge Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.				UNFACTORED REACTIONS 1ST LOASE MAX/MIN. COMPONENT REACTIONS JT COMBINED SNOW LIVE PERM.LIVE WIND DEAD SOIL R 1330 886/0 0/0 0/0 0/0 444/0 0/0 L 1330 886/0 0/0 0/0 0/0 444/0 0/0 BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) R, L BRACING TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.11 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. 1 LATERAL BRACE(S) AT 1/2 LENGTH OF H-O, D-O, C-R, H-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 FACTORED WEBS MEMB. MAX. FACTORED FORCE (LBS) VERT. LOAD LC1 MAX. FACTORED (PLF) CSI(LC) UNBRAC LENGTH FR-TO MEMB. MAX. FACTORED FORCE (LBS) MAX. (LBS) CSI(LC) FR-TO FROM TO A-B 0/28 -91.8 -91.8 0.12 (1) 10.00 C-F 0/1211 0.27 (1) B-C 0/20 -91.8 -91.8 0.33 (1) 10.00 C-H -701/0 0.32 (1) C-D -2428/0 -91.8 -91.8 0.37 (1) 4.11 H-M 0/312 0.07 (1) D-E -1808/0 -91.8 -91.8 0.34 (1) 4.65 M-I -158/21 0.05 (1) E-F -1808/0 -91.8 -91.8 0.34 (1) 4.65 D-O -701/0 0.32 (1) F-G -1808/0 -91.8 -91.8 0.34 (1) 4.65 Q-D 0/312 0.07 (1) G-H -1808/0 -91.8 -91.8 0.34 (1) 4.65 C-Q -158/21 0.05 (1) H-I -2428/0 -91.8 -91.8 0.37 (1) 4.11 R-G -2717/0 0.65 (1) I-J 0/20 -91.8 -91.8 0.33 (1) 10.00 I-L -2717/0 0.65 (1) J-K 0/28 -91.8 -91.8 0.12 (1) 10.00 R-B -325/0 0.0 0.0 0.03 (1) 7.81 L-J -325/0 0.0 0.0 0.03 (1) 7.81 R-Q 0/2268 -18.5 -18.5 0.51 (1) 10.00 Q-P 0/2051 -18.5 -18.5 0.48 (1) 10.00 P-O 0/2051 -18.5 -18.5 0.48 (1) 10.00 O-N 0/2051 -18.5 -18.5 0.48 (1) 10.00 N-M 0/2051 -18.5 -18.5 0.48 (1) 10.00 M-L 0/2268 -18.5 -18.5 0.51 (1) 10.00							
DRY: SEASONED LUMBER.				STRUCTURAL COMPONENT ONLY DWG# T-2006493							

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408164	T27	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		Version 8.310 8 Oct 2019 Mitek Industries, Inc. Tue Apr 28 10:55:33 2020 Page 1			
		ID:1ebEM4Ca92xn94Zv7kFPlzmBR3-wnKmOI1?nE1vSuRxBTB8BPSAJa9BzYmWWHs1cUzMDcO			
		21-0-7 27-2-11 31-11-0 33-2-8 1-3-8			
		Scale = 1:52.6			



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

PLATES (tablets in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	2.50	2.00
C	TTWW-m	MT20	6.0	9.0	Edge	2.00
D	TMVW-i	MT20	4.0	4.0		
E	TMVW-w	MT20	2.0	4.0		
F	TS-i	MT20	3.0	6.0		
G	TMVW-i	MT20	4.0	4.0		
H	TTWW-m	MT20	6.0	9.0	Edge	2.00
I	TMVW-p	MT20	5.0	8.0	2.50	2.00
K	BMV1-p	MT20	3.0	4.0		
L, M, Q, R						
L	BMVW-i	MT20	5.0	8.0		
N	BS-i	MT20	3.0	6.0		
O	BMVW-w	MT20	4.0	9.0		
P	BS-i	MT20	3.0	6.0		
S	BMV1-p	MT20	3.0	4.0		

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
S	1888	0	1888	0
K	1888	0	1888	0

UNFACTORED REACTIONS	1ST LCASE	MAX/MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
S	1331	887 / 0
K	1331	887 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.42 FT.
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 (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									
A-B	0 / 38	-81.8	-81.8	0.12 (1)	10.00	R-C	-268 / 0	0.10 (1)	
B-C	-1888 / 0	-81.8	-81.8	0.45 (1)	4.42	C-Q	0 / 1515	0.34 (1)	
C-D	-2884 / 0	-81.8	-81.8	0.61 (1)	3.65	Q-D	-888 / 0	0.32 (1)	
D-E	-3002 / 0	-81.8	-81.8	0.85 (1)	3.42	O-Q	0 / 443	0.10 (1)	
E-F	-3002 / 0	-81.8	-81.8	0.85 (1)	3.42	O-E	-472 / 0	0.18 (1)	
F-G	-3002 / 0	-81.8	-81.8	0.85 (1)	3.42	O-G	0 / 443	0.10 (1)	
G-H	-2884 / 0	-81.8	-81.8	0.61 (1)	3.65	M-G	-888 / 0	0.32 (1)	
H-I	-1888 / 0	-81.8	-81.8	0.45 (1)	4.42	M-H	0 / 1515	0.34 (1)	
I-J	0 / 38	-81.8	-81.8	0.12 (1)	10.00	L-H	-268 / 0	0.10 (1)	
S-B	-1852 / 0	0.0	0.0	0.18 (1)	6.16	B-R	0 / 1552	0.35 (1)	
K-I	-1852 / 0	0.0	0.0	0.18 (1)	6.16	L-I	0 / 1552	0.35 (1)	
S-R	0 / 0	-18.5	-18.5	0.12 (4)	10.00				
R-Q	0 / 1500	-18.5	-18.5	0.31 (1)	10.00				
Q-P	0 / 2665	-18.5	-18.5	0.45 (1)	10.00				
P-O	0 / 2665	-18.5	-18.5	0.45 (1)	10.00				
O-N	0 / 2665	-18.5	-18.5	0.45 (1)	10.00				
N-M	0 / 2665	-18.5	-18.5	0.45 (1)	10.00				
M-L	0 / 1500	-18.5	-18.5	0.31 (1)	10.00				
L-K	0 / 0	-18.5	-18.5	0.12 (4)	10.00				

TOTAL WEIGHT = 2 X 130 = 261 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 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) = $L/360$ (1.08")
CALCULATED VERT. DEFL. (LL) = $L/889$ (0.15")
ALLOWABLE DEFL. (TL) = $L/360$ (1.08")
CALCULATED VERT. DEFL. (TL) = $L/889$ (0.28")

CSI: TC=0.65/1.00 (D-E), BC=0.48/1.00 (Q-C), WB=0.35/1.00 (B-R), SS=0.24/1.00 (C-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 818 354 1667 788 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (B) (INPUT = 0.90)
JSI METAL= 0.81 (P) (INPUT = 1.00)



Structural component only
DWG# T-2007733

DRWG NO.

Version 8.310 S Oct 28 2019 MITek Industries, Inc. Tue Apr 28 10:55:34 2020 Page 1
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Structural component only
DWG# T-2007734

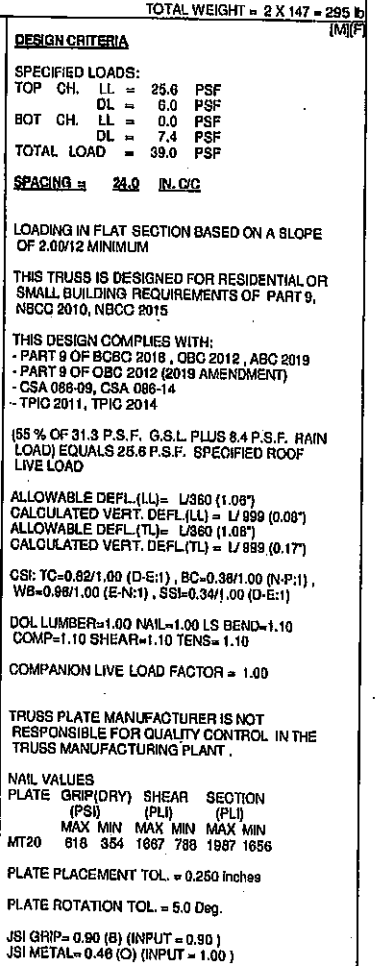
Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 MiTek Industries, Inc. Tue Apr 28 10:55:35 2020 Page 1

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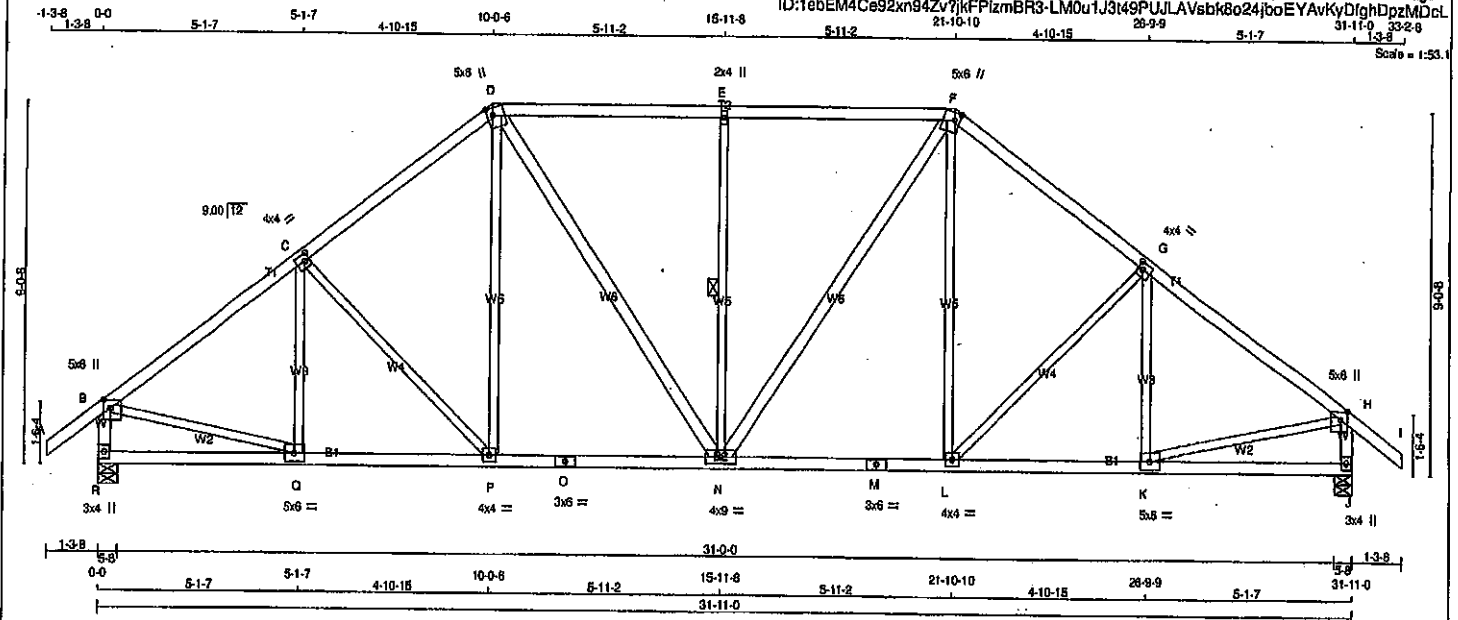
Scale = 1/32.6



JOB NAME 408164	TRUSS NAME T30	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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31-11-0 33-28 13-8



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	X
B	TMVW+p	MT20	5.0	6.0	2.50 2.00
C	TMVW-i	MT20	4.0	4.0	2.00 1.50
D	TMVW+m	MT20	5.0	6.0	2.25 1.50
E	TMVW-w	MT20	2.0	4.0	
F	TMVW+m	MT20	5.0	6.0	2.25 1.50
G	TMVW-i	MT20	4.0	4.0	2.00 1.50
H	TMVW+p	MT20	5.0	6.0	2.50 2.00
J	BMV1+p	MT20	3.0	4.0	
K	BMVW-i	MT20	5.0	6.0	
L	BMVW-i	MT20	4.0	4.0	
M	BS-i	MT20	3.0	6.0	
N	BMVW-i	MT20	4.0	4.0	
O	BS-i	MT20	3.0	6.0	
P	BMVW-i	MT20	4.0	4.0	
Q	BMVW-i	MT20	5.0	6.0	
R	BMV1+p	MT20	3.0	4.0	

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD
		GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
R	1886	0	1886	0	5-8
J	1886	0	1886	0	5-8

UNFACTORED REACTIONS

1ST CASE		MAX./MIN. COMPONENT REACTIONS				
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
R	1331	887 / 0	0 / 0	0 / 0	0 / 0	444 / 0
J	1331	887 / 0	0 / 0	0 / 0	0 / 0	444 / 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 = 4.52 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	0 / 38	Q-C	-286 / 0
B-C	-1923 / 0	C-P	-249 / 0
C-D	-1772 / 0	P-D	0 / 277
D-E	-1655 / 0	D-N	0 / 469
E-F	-1655 / 0	N-E	-888 / 0
F-G	-1772 / 0	N-F	0 / 469
G-H	-1923 / 0	L-F	0 / 277
H-I	0 / 38	L-Q	-249 / 0
R-B	-1945 / 0	K-G	-288 / 0
J-H	-1945 / 0	B-Q	0 / 1605
		K-H	0 / 1605
R-Q	0 / 0		
Q-P	0 / 1564		
P-O	0 / 1391		
O-N	0 / 1391		
N-M	0 / 1391		
M-L	0 / 1391		
L-K	0 / 1564		
K-J	0 / 0		

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

ALLOWABLE DEFL.(LL) = L/360 (1.08')
CALCULATED VERT. DEFL.(LL) = L/899 (0.07')
ALLOWABLE DEFL.(TL) = L/360 (1.08')
CALCULATED VERT. DEFL.(TL) = L/899 (0.13')

CSI: TC=0.48/1.00 (E-F:1), BC=0.31/1.00 (P-Q:1),
WB=0.38/1.00 (B-Q:1), SS=0.28/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 765 1987 1650

PLATE PLACEMENT TOL. = 0.250 inches

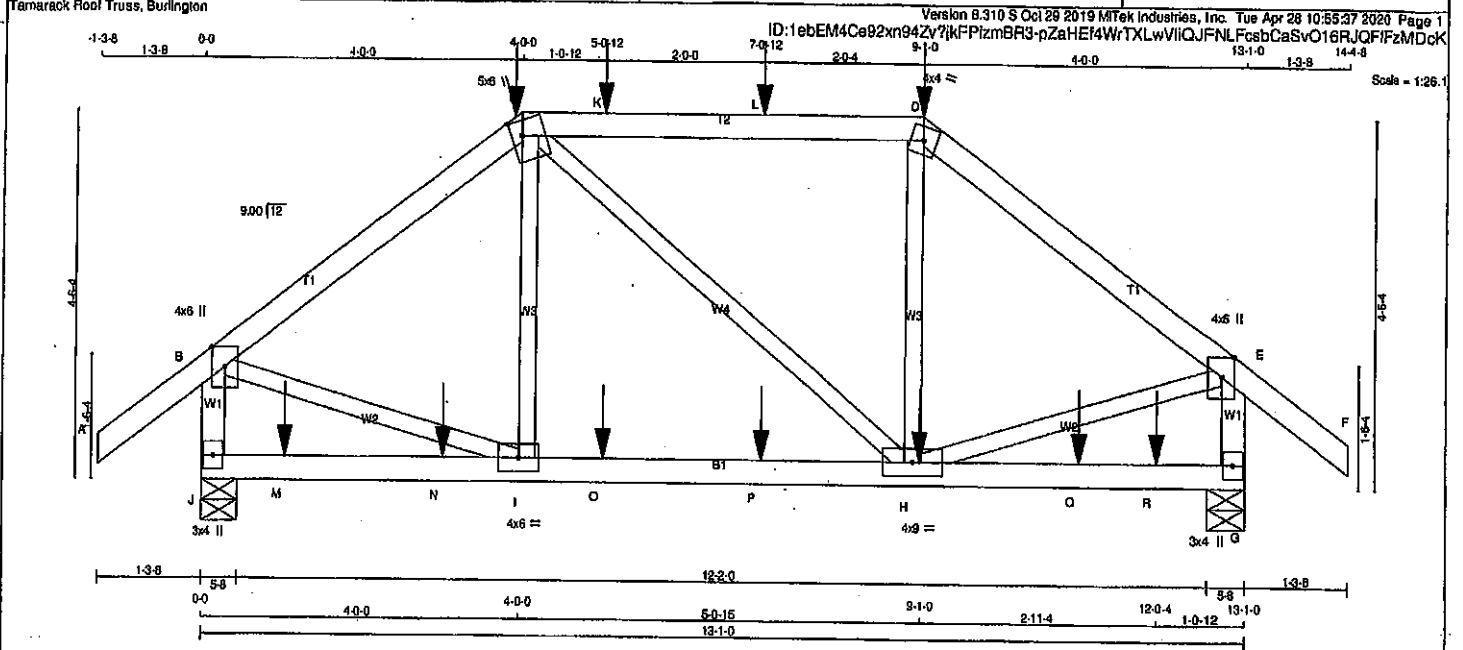
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.89 (B) (INPUT = 0.90)
JSI METAL=0.45 (C) (INPUT = 1.00)



Structural component only
DWG# T-2007736

JOB NAME 408164	TRUSS NAME T31	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Tue Apr 28 10:55:37 2020 Page 1			



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2
O - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
J - B	2x4	DRY	No.2
G - E	2x4	DRY	No.2
J - G	2x4	DRY	No.2

ALL WEBS 2x3 DRY No.2 SPF

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)				
JT TYPE	PLATES	W	LEN	Y X
B TMVW+p	MT20	4.0	6.0	Edge
C TTWW+m	MT20	5.0	6.0	2.25 1.50
D TTW-m	MT20	4.0	4.0	
E TMVW+p	MT20	4.0	6.0	Edge
G BMV1+p	MT20	3.0	4.0	
H BMVWW-I	MT20	4.0	9.0	
I BMVW-I	MT20	4.0	6.0	
J BMV1+p	MT20	3.0	4.0	

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	HORZ	BRG	IN-SX	BRG	IN-SX
J	1153	0	1153	0	0	5-8	5-8	5-8	5-8
G	1177	0	1177	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS		1ST CASE		MAX./MIN. COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND
J	813	547 / 0	0 / 0	0 / 0	288 / 0
G	831	558 / 0	0 / 0	0 / 0	275 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.63 FT.
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 (PL)	MAX. CSF (LC)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FROM TO		FR-TO	
A-B	0 / 38	-81.8 -91.8 0.14 (1)	10.00	I-C	-89 / 64
B-C	-952 / 0	-91.8 -91.8 0.30 (1)	5.91	C-H	0 / 25
C-K	-785 / 0	-91.8 -91.8 0.63 (1)	5.63	H-D	-117 / 61
K-L	-785 / 0	-91.8 -91.8 0.63 (1)	5.63	B-I	0 / 800
L-D	-785 / 0	-91.8 -91.8 0.63 (1)	5.63	H-E	0 / 820
D-E	-987 / 0	-91.8 -91.8 0.30 (1)	5.63		
E-F	0 / 38	-91.8 -91.8 0.14 (1)	10.00		
F-B	-1113 / 0	0.0 0.0 0.13 (1)	7.48		
G-E	-1133 / 0	0.0 0.0 0.13 (1)	7.43		
J-M	0 / 0	-18.5 -18.5 0.13 (4)	10.00		
M-N	0 / 0	-18.5 -18.5 0.13 (4)	10.00		
N-I	0 / 0	-18.5 -18.5 0.13 (4)	10.00		
I-O	0 / 788	-18.5 -18.5 0.20 (1)	10.00		
O-P	0 / 788	-18.5 -18.5 0.20 (1)	10.00		
P-H	0 / 788	-18.5 -18.5 0.20 (1)	10.00		
H-Q	0 / 0	-18.5 -18.5 0.13 (4)	10.00		
Q-R	0 / 0	-18.5 -18.5 0.13 (4)	10.00		
R-G	0 / 0	-18.5 -18.5 0.13 (4)	10.00		

FACTORED CONCENTRATED LOADS (LBS)		FACE		DIR.		HEEL		CONN.	
JT	LOC.	LOC1	MAX.	MAX.	FRONT	VERT	DEAD	SNOW	TOTAL
A	4-0-0	-31	-35	-	FRONT	VERT	---	---	C1
C	4-0-0	-135	-135	-	FRONT	VERT	---	---	C1
D	9-1-0	-31	-35	-	FRONT	VERT	---	---	C1
D	9-1-0	-74	-74	-	BACK	VERT	---	---	C1
D	9-1-0	-135	-135	-	FRONT	VERT	---	---	C1
H	9-0-12	-13	-13	-	BACK	VERT	---	---	C1
K	5-0-12	-67	-67	-	BACK	VERT	---	---	C1
L	7-0-12	-67	-67	-	BACK	VERT	---	---	C1
M	1-0-12	-13	-13	-	BACK	VERT	---	---	C1
N	3-0-12	-13	-13	-	BACK	VERT	---	---	C1
O	5-0-12	-13	-13	-	BACK	VERT	---	---	C1
P	7-0-12	-13	-13	-	BACK	VERT	---	---	C1
Q	11-0-12	-13	-13	-	BACK	VERT	---	---	C1
R	12-0-4	-13	-13	-	BACK	VERT	---	---	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 56 lb

DESIGN CRITERIA

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

SPECIFIED LOADS:

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

SPACING = 24.0 IN. OC

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

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

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

ALLOWABLE DEFL. (LL) = L/360 (0.44")
CALCULATED VERT. DEFL. (LL) = L/999 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.44")
CALCULATED VERT. DEFL. (TL) = L/999 (0.03")

CSF: TC=0.83/1.00 (C-D:1), BC=0.20/1.00 (H-I:1), WB=0.20/1.00 (E-H:1), SS=0.27/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP (DRY) SHEAR. SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1687 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

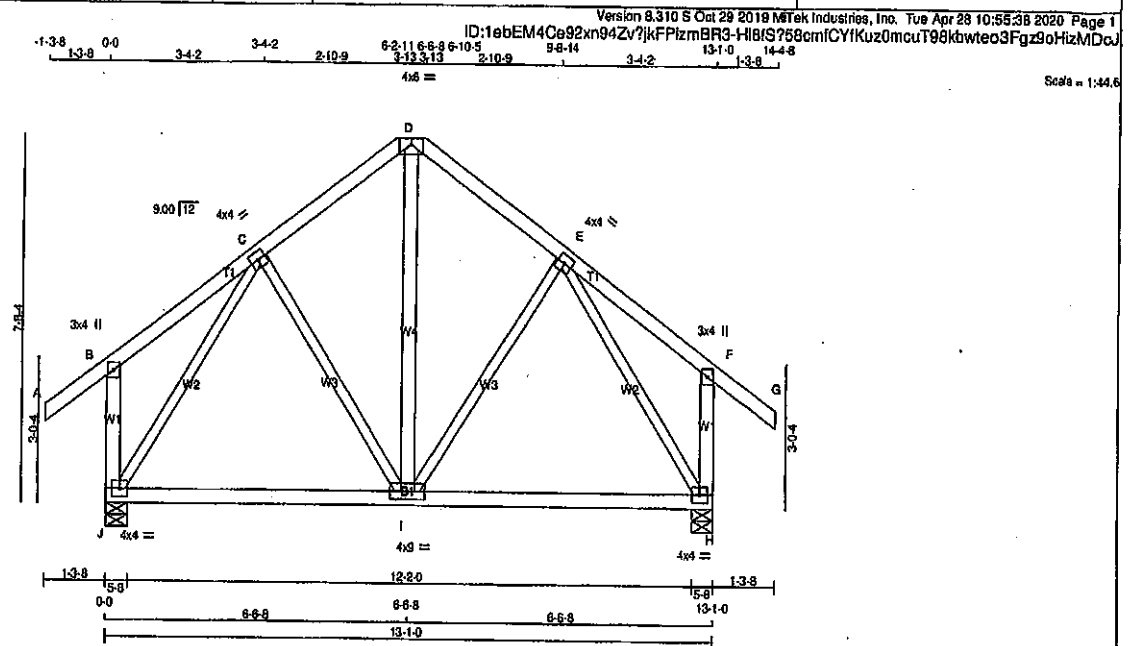
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.83 (E) (INPUT = 0.90)
JSI METAL= 0.52 (E) (INPUT = 1.00)



Structural component only
DWG# T-2007737

JOB NAME 408164	TRUSS NAME T32	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



LUMBER			
N. L. G. A. RULES	SIZE	DRY	LUMBER
CHORDS			
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
J - B	2x4	DRY	No.2
H - F	2x4	DRY	No.2
J - H	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
I - 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	
C	TMVW-1	MT20	4.0	4.0	
D	TMVW-1	MT20	4.0	8.0	Edge
E	TMVW-1	MT20	4.0	4.0	
F	TMV-p	MT20	3.0	4.0	
H	BMVW-1	MT20	4.0	4.0	
J	BMVW-1	MT20	4.0	9.0	
J	BMVW-1	MT20	4.0	4.0	

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

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

BEARINGS							
FACTORED	MAXIMUM FACTORED	INPUT	RECORD				
GROSS REACTION	GROSS REACTION	BRG	BRG				
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
J	848	0	848	0	0	5-8	5-8
H	848	0	848	0	0	5-8	5-8

UNFACTORED REACTIONS							
1ST CASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
J	597	405 / 0	0 / 0	0 / 0	0 / 0	192 / 0	0 / 0
H	597	405 / 0	0 / 0	0 / 0	0 / 0	192 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) J, 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)	MAX. FACTORED HORZ. LOAD (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORZ. LOAD (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)	MAX. FACTORED UNBRACED LENGTH (FT)
FR-TO					FR-TO				
A-B	0 / 38	-91.8	-91.8	0.12 (1)	10.00	I-D	0 / 253	0.04 (1)	10.00
B-C	0 / 21	-91.8	-91.8	0.16 (1)	10.00	C-I	-61 / 19	0.04 (1)	10.00
C-D	-424 / 0	-91.8	-91.8	0.12 (1)	6.25	I-E	-61 / 19	0.04 (1)	10.00
D-E	-424 / 0	-91.8	-91.8	0.12 (1)	6.25	J-C	-663 / 0	0.41 (1)	10.00
E-F	0 / 21	-91.8	-91.8	0.16 (1)	10.00	E-H	-663 / 0	0.41 (1)	10.00
F-G	0 / 38	-91.8	-91.8	0.12 (1)	10.00				
J-B	-242 / 0	0.0	0.0	0.04 (1)	7.81				
H-F	-242 / 0	0.0	0.0	0.04 (1)	7.81				
J-I	0 / 358	-18.5	-18.5	0.26 (4)	10.00				
I-H	0 / 358	-18.5	-18.5	0.26 (4)	10.00				

TOTAL WEIGHT = 70 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 NBCC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.44")
CALCULATED VERT. DEFL.(LL) = L/899 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.44")
CALCULATED VERT. DEFL.(TL) = L/999 (0.04")

CSI: TO=0.16/1.00 (E-F:1), BC=0.28/1.00 (H-I:4), WB=0.41/1.00 (C-J:1), SS=0.12/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00
AUTOSOLVE HEELS OFF

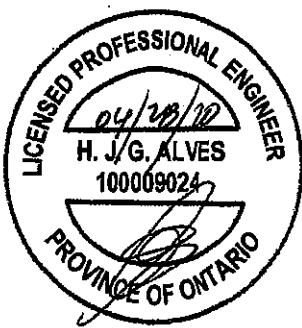
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 818 354 1867 788 1887 1858

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.77 (C) (INPUT = 0.90)
JSI METAL = 0.23 (C) (INPUT = 1.00)



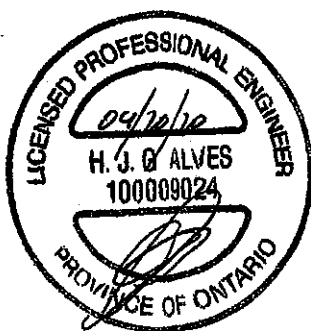
Structural component only
DWG# T-2007738

Tamarack Roof Truss, Burlington

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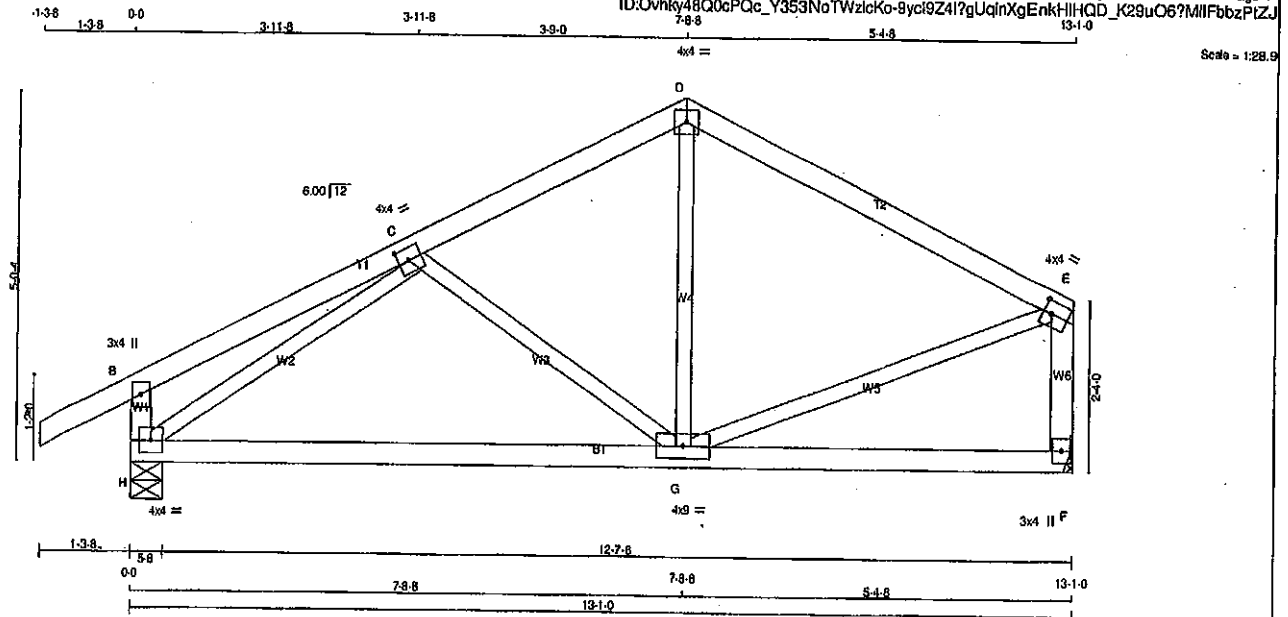
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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408165	T34	4	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 4 X 52 = 207 lb
(M/F)

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

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER							
BEARINGS							
	FACTORED	MAXIMUM FACTORED	INPUT	RECORD			
	GROSS REACTION	GROSS REACTION	BRG	BRG			
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
F	721	0	721	0	0	MECHANICAL	
H	846	0	846	0	0	5-8	

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

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, NBC 2012, ABC 2019
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/380 (0.44")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/380 (0.44")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TC=0.34/1.00 (D-E:1), BC=0.30/1.00 (G-H:4), WB=0.33/1.00 (C-H: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(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= 0.88 (E) (INPUT = 0.90)
JSI METAL= 0.28 (C) (INPUT = 1.00)

PLATES (table is in inches)	W	LEN	Y	X
JT TYPE PLATES				
B TMV+p MT20	3.0	4.0		
C TMVW-I MT20	4.0	4.0	2.00	1.75
D TMV-p MT20	4.0	4.0		
E TMVW-I MT20	4.0	4.0	2.00	1.25
F BMV1+p MT20	3.0	4.0		
G BMVW-I MT20	4.0	4.0		
H BMVW-I MT20	4.0	4.0		

UNFACTORED REACTIONS

1ST LCASE	MAX./MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	510	335 / 0	0 / 0	0 / 0	0 / 0	175 / 0	0 / 0
H	596	404 / 0	0 / 0	0 / 0	0 / 0	192 / 0	0 / 0

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

BRACING

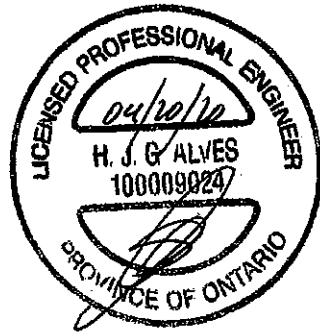
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

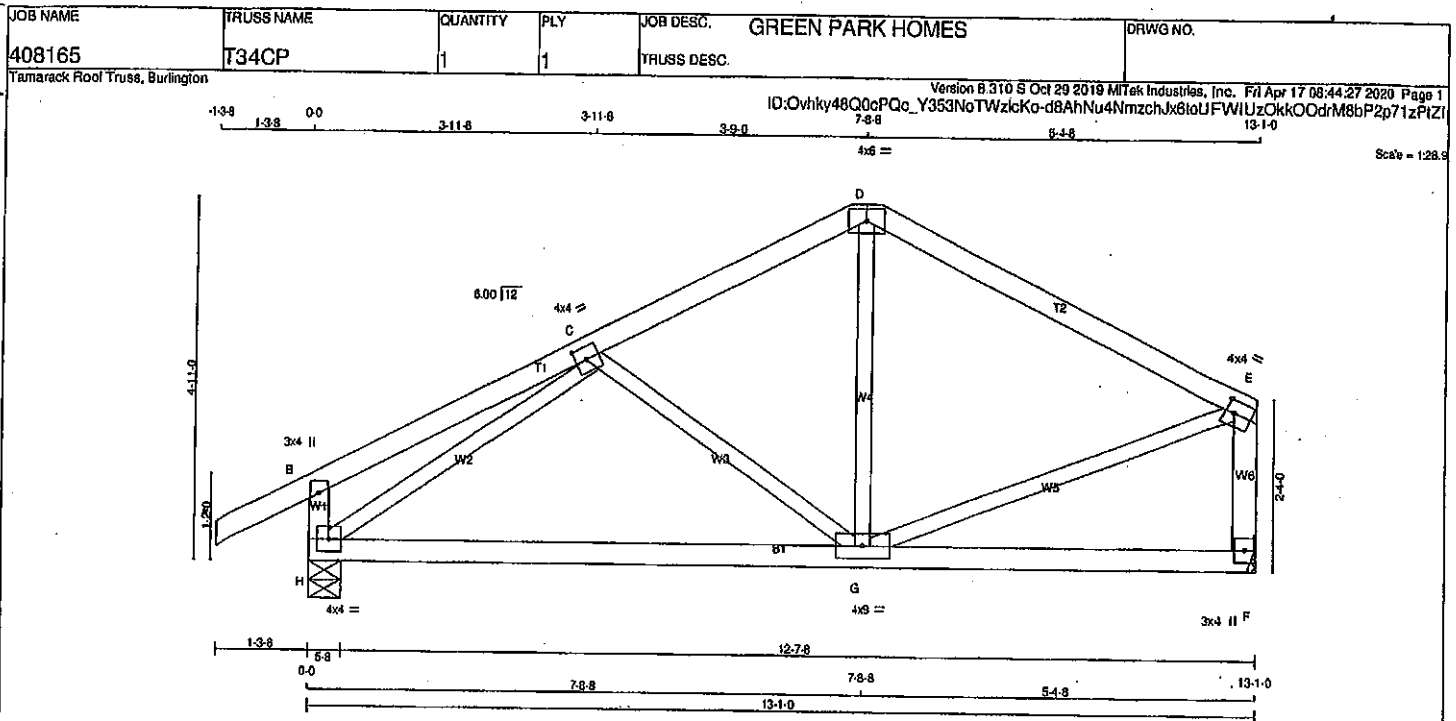
LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	MAX. UNBRACED LENGTH (FT)
FR-TO		FROM TO	CSI (LC)	FR-TO		FROM TO	CSI (LC)
A-B	0 / 28	-91.8 -91.8	0.12 (1)	10.00	C-D	-275 / 0	0.10 (1)
B-C	0 / 16	-91.8 -91.8	0.21 (1)	10.00	G-D	0 / 124	0.04 (4)
C-D	-584 / 0	-91.8 -91.8	0.17 (1)	8.25	H-C	-098 / 0	0.33 (1)
D-E	-566 / 0	-91.8 -91.8	0.34 (1)	6.25	G-E	0 / 841	0.12 (1)
H-B	-262 / 0	0.0 0.0	0.03 (1)	7.81			
F-E	-690 / 0	0.0 0.0	0.09 (1)	7.81			
H-G	0 / 728	-18.5 -18.5	0.30 (4)	10.00			
G-F	0 / 0	-18.5 -18.5	0.25 (4)	10.00			



Structural component only
DWG# T-2006496



LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWV-t	MT20	4.0	4.0	2.00	1.75
D	TTW-p	MT20	4.0	6.0		
E	TMWV-t	MT20	4.0	4.0	2.00	1.25
F	BMV1+p	MT20	3.0	4.0		
G	BMWVW-t	MT20	4.0	9.0		
H	BMVW1-t	MT20	4.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG IN-SX	REQD BRG
JT	VERT	DOWN	UP	
F	721	0	0	MECHANICAL
H	846	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 LCASE COMBINED	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	510	335 / 0	0 / 0	0 / 0	0 / 0	0 / 0	175 / 0	0 / 0
H	598	404 / 0	0 / 0	0 / 0	0 / 0	0 / 0	192 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 / 28	-91.8	-91.8 0.12 (1)	10.00	G-G	-275 / 0 0.10 (1)	
B-C	0 / 18	-91.8	-91.8 0.21 (1)	10.00	G-D	0 / 124 0.04 (4)	
C-D	-584 / 0	-91.8	-91.8 0.17 (1)	8.25	H-C	-898 / 0 0.33 (1)	
D-E	-588 / 0	-91.8	-91.8 0.34 (1)	8.25	G-E	0 / 541 0.12 (1)	
H-B	-262 / 0	0.0	0.0 0.03 (1)	7.81			
F-E	-890 / 0	0.0	0.0 0.09 (1)	7.81			
H-G	0 / 728	-18.5	-18.5 0.30 (4)	10.00			
G-F	0 / 0	-18.5	-18.5 0.25 (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

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.44")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.44")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TC=0.34/1.00 (D-E:1), BC=0.30/1.00 (G-H:4), WB=0.33/1.00 (C-H: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.

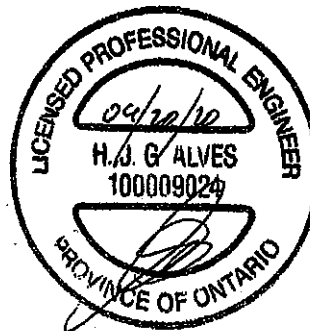
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.88 (E) (INPUT = 0.90)
JSI METAL = 0.28 (C) (INPUT = 1.00)



Structural component only
DWG# T-2006497

Tamarack Roof Truss, Burlington

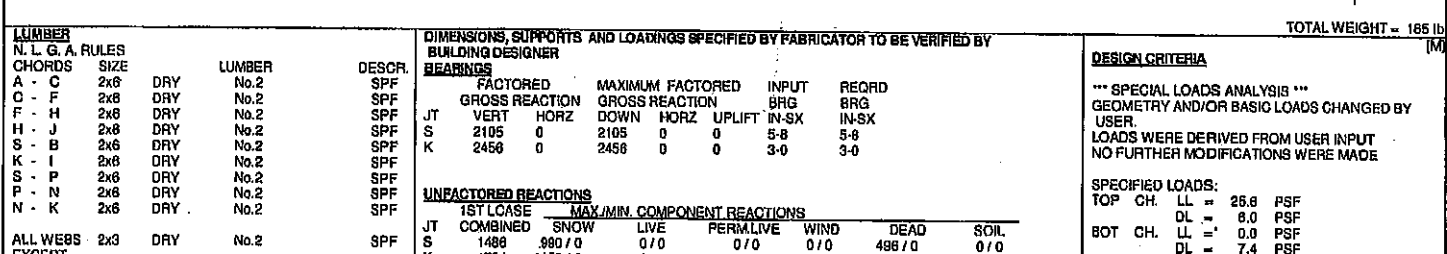
Version 8.310 S Oct 29 2019 MTek Industries, Inc. Tue Apr 28 10:55:39 2020 Page 1

ID:1ebEM4Ca92xn94Zv?kFPizmBR3-mi1fL5mM4n3Apv4XkHrCqICR?8hNmFvdmP8zmDcl

1-3-8 0-0 2-11-0 2-11-0 9-5-14 15-11-8 6-5-10 6-5-10 29-0-0 31-11-0 33-2-8

1-3-8 2-11-0 2-11-0 6-5-14 6-5-10 29-0-0 31-11-0 33-2-8

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



BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.22 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

C	TTWW+rm	MT20	8.0	9.0	Edge 6.25	LOADING	ADD UP USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.
D	TTWW-i	MT20	5.0	6.0		TOTAL LOAD CASES: (4)	
E	TTWW+w	MT20	3.0	8.0			
F	TS-i	MT20	5.0	6.0		CHORDS	WEBS
						THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR	

[illegible]

R	BMWV-1	MT20	6.0	8.0	2.60	3.25	E-U	-5422 / 0	-91.8	-91.8	0.61 (1)	3.22	O-G	0 / 730	0.18 (1)	LOADS EQUALS 25.0 P.S.F. SPECIFIED ROOF LIVE LOAD
R	BMWV-1	MT20	5.0	8.0	2.60	2.25	E-U	-5422 / 0	-91.8	-91.8	0.61 (1)	3.22	M-G	-1225 / 0	0.26 (1)	
R	BMWV-1	MT20	5.0	8.0	2.60	2.25	F-V	-5422 / 0	-91.8	-91.8	0.61 (1)	3.22	M-H	0 / 3087	0.76 (1)	
S	BMWV-1p	MT20	3.0	8.0			V-G	-5422 / 0	-91.8	-91.8	0.61 (1)	3.22	L-H	-477 / 0	0.10 (1)	

Y-H	-4769 / 0	-91.8	-91.8	0.55 (1)	3.48	CALCULATED VERT. DEFL.(11) = 0.784 (0.49") CSI: TC=0.81/1.00 (E-G:1), BC=0.73/1.00 (M-O:1), WB=0.76/1.00 (H-M:1), SS=0.33/1.00 (G-H:1)
H-I	-2529 / 0	-91.8	-91.8	0.11 (1)	5.10	
I-J	0 / 39	-91.8	-91.8	0.07 (1)	10.00	
S-B	-2117 / 0	0.0	0.0	0.15 (1)	6.95	

R-Q	0/1602	-18.5	-18.5	0.51 (I)	10.00
Q-P	0/4326	-18.5	-18.5	0.51 (I)	10.00
P-Z	0/4328	-18.5	-18.5	0.65 (I)	10.00
Z-Q	0/4328	-18.5	-18.5	0.65 (I)	10.00

COMPANION LIVE LOAD FACTOR = 1.00
AUTOSOLVE HEELS OFF

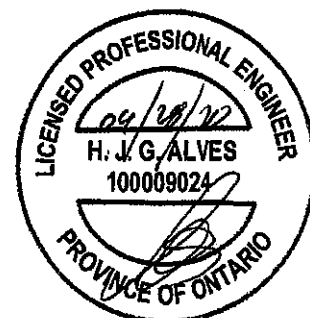
	AB - N	0/4770	-18.5	-18.5	0.73 (1)	10.00	TRUSS MANUFACTURING PLANT. NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION
	N-AC	0/4770	-18.5	-18.5	0.73 (1)	10.00	
	AC - M	0/4770	-18.5	-18.5	0.73 (1)	10.00	
	M-AD	0/1998	-18.5	-18.5	0.38 (1)	10.00	

PROVINCE OF QUEBEC
 L-AG 0/0 -18.5 -18.5 0.11 (4) 10.00
 AG-K 0/0 -18.5 -18.5 0.11 (4) 10.00
 FACTORED CONCENTRATED LOADS (LBS)
 PLATE PLACEMENT TOL. = 0.250 inches
 PLATE FABRYCATION TOL. = 5.0 Dec

H	29-0-0	-73	-73	--	FRONT	VERT	TOTAL	--	C1
H	29-0-0	-98	-98	--	FRONT	VERT	SNOW	--	C1
L	2B-10-4	-13	-13	--	FRONT	VERT	TOTAL	--	C1
I	14-10-4	-67	-67	--	FRONT	VERT	TOTAL	--	C1

							FRONT	VERT.	TOTAL		\$
--	--	--	--	--	--	--	-------	-------	-------	--	----

CONTINUED ON PAGE 2



Structural component only
DWG# T-2007739 *mb*

JOB NAME 408164	TRUSS NAME T300	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Tue Apr 28 10:55:39 2020 Page 2 ID:1ebEM4Ce92xn94Zv7kfPlzmBR3-kil1L5mM4n3Apv4XkHrQgiCR?8hNAmPvdvMp8zMDcl	

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
U	18-10-4	-87	-87	---	FRONT	VERT	TOTAL	---	C1
V	20-10-4	-87	-87	---	FRONT	VERT	TOTAL	---	C1
W	22-10-4	-87	-87	---	FRONT	VERT	TOTAL	---	C1
X	24-10-4	-87	-87	---	FRONT	VERT	TOTAL	---	C1
Y	26-10-4	-87	-87	---	FRONT	VERT	TOTAL	---	C1
Z	14-10-4	-13	-13	---	FRONT	VERT	TOTAL	---	C1
AA	16-10-4	-13	-13	---	FRONT	VERT	TOTAL	---	C1
AB	18-10-4	-13	-13	---	FRONT	VERT	TOTAL	---	C1
AC	20-10-4	-13	-13	---	FRONT	VERT	TOTAL	---	C1
AD	22-10-4	-13	-13	---	FRONT	VERT	TOTAL	---	C1
AE	24-10-4	-13	-13	---	FRONT	VERT	TOTAL	---	C1
AF	26-10-4	-13	-13	---	FRONT	VERT	TOTAL	---	C1
AG	30-10-4	-13	-13	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

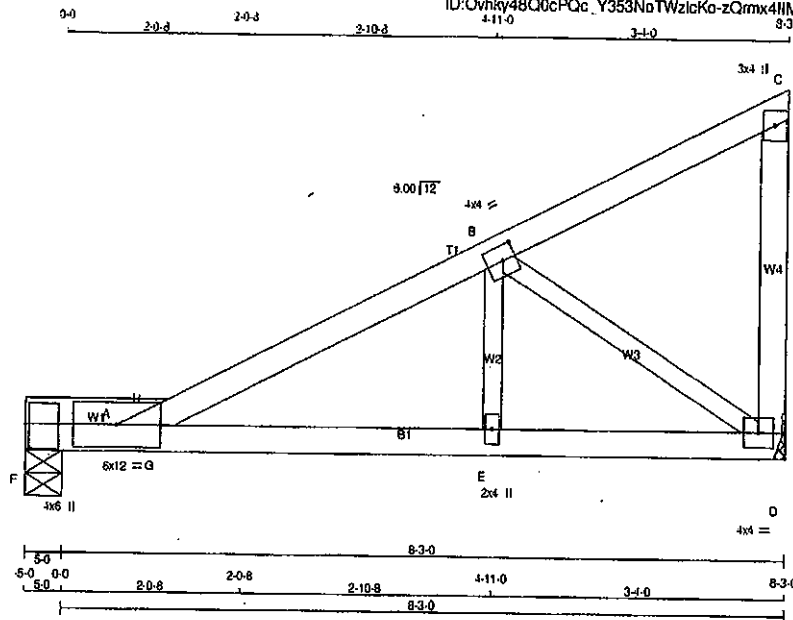


Structural component only
DWG# T-2007739 72

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC	GREEN PARK HOMES	DRWG NO.
408165	T320	4	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:Ovhtky48Q0cPQc_Y353NoTWzlcKc-zQrmx4HMKU4AMj5xgJdW7ca7bd3elqkAPTPSDzHdvV



Scale = 1:23.7

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

PLATES (Labels in inches)					
JT	TYPE	PLATES	W	LEN	Y X
A	BMWm	MT20	6.0	12.0	
B	TMWw-1	MT20	4.0	4.0	2.00 1.75
C	TMV+p	MT20	3.0	4.0	
D	BMWw1-1	MT20	4.0	4.0	
E	BMWw	MT20	2.0	4.0	
F	BMWw1+m	MT20	4.0	8.0	3.25 0.50

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT	RECORD
JT	VERT	HORZ	GROSS REACTION	GROSS REACTION	BRG	BRG	
D	478	0	478	0	0	IN-SX	IN-SX
F	478	0	478	0	0	MECHANICAL	
						5-0	5-0

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
D	338	222 0	0 0	0 0	0 0	0 0	116 0	0 0
F	338	222 0	0 0	0 0	0 0	0 0	116 0	0 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 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)	LC1 MAX (CSI/LC)	MAX. UNBRACED LENGTH	MEMB.	FORCE (LBS)	MAX. (CSI/LC)
FR-TO		FROM	TO		FR-TO		
A-H	-831 0	-91.8	-91.8 0.21 (1)	6.25	E-B	0 195	0.04 (1)
H-B	-627 0	-91.8	-91.8 0.29 (1)	6.25	B-D	-715 0	0.18 (1)
B-C	-27 0	-91.8	-91.8 0.21 (1)	6.25	G-H	0 281	0.00 (1)
D-C	-93 0	0.0	0.0 0.02 (1)	7.81			
F-A	0 0	-110.3	-110.3 0.25 (1)	10.00			
A-G	0 602	-18.5	-18.5 0.59 (1)	10.00			
G-E	0 602	-18.5	-18.5 0.47 (1)	10.00			
E-D	0 602	-18.5	-18.5 0.23 (1)	10.00			

TOTAL WEIGHT = 4 X 30 = 119 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2010, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 088-14
- TFC 2011, TFC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.29")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.29")
CALCULATED VERT. DEFL.(TL) = L/708 (0.15")

CSI: TC=0.28/1.00 (B-H:1), BC=0.89/1.00 (A-G:1),
WB=0.18/1.00 (B-D:1), SS=0.30/1.00 (A-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

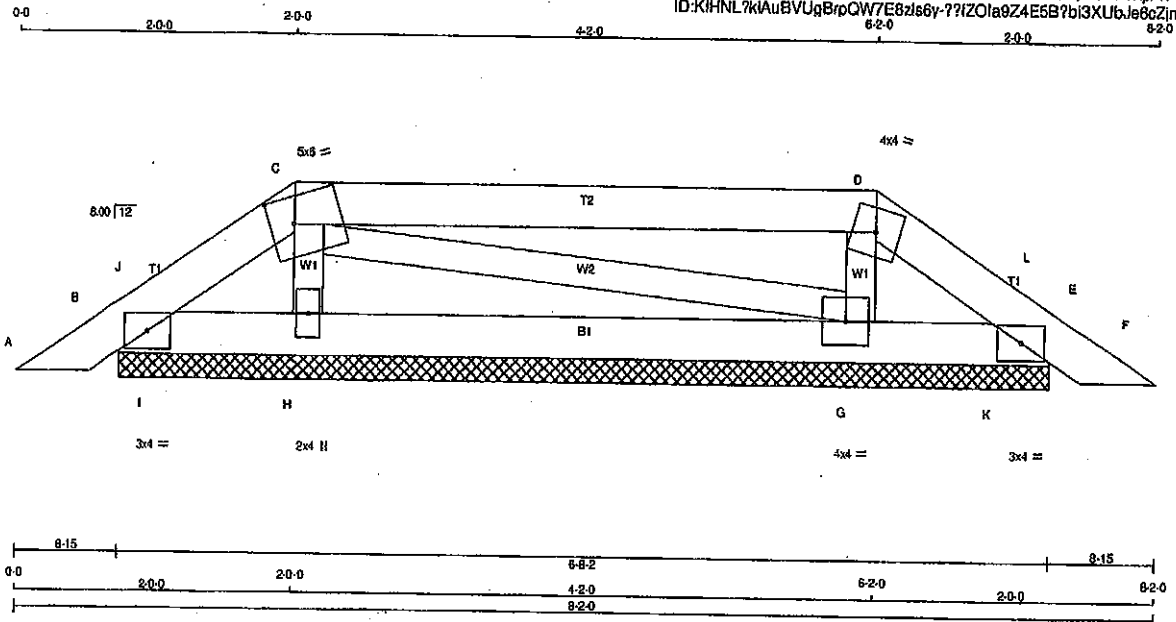
JSI GRIP= 0.65 (D) INPUT = 0.90
JSI METAL= 0.26 (A) INPUT = 1.00



Structural component only
DWG# T-2009109

JOB NAME 408163	TRUSS NAME PB1	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Trusses, Burlington				TRUSS DESC.	

Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 08:48:31 2020 Page 1
ID: KIHNL7kAuBVUgBrpQW7E8zls6y-77IZOIa9Z4E5B7b3XU6J68cZjnKh7IP8I4NurzPDXM



LUMBER			
N. L. G. A. RULES	SIZE	DRY	DESCR.
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	TMB1-I	MT20	3.0	4.0	
C	TTWW-m	MT20	5.0	5.0	2.25 2.00
D	TTWW-m	MT20	4.0	4.0	
E	TMB1-I	MT20	3.0	4.0	
G	BMW1-I	MT20	4.0	4.0	
H	BMW1-w	MT20	2.0	4.0	

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	RECORD
JT	GROSS REACTION	GROSS REACTION	DOWN	UP	BRG
B	145	0	145	0	8-8-2
E	141	0	141	0	8-8-2
H	283	0	283	0	8-8-2
G	288	0	288	0	8-8-2

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
B	99	83/0	0/0	0/0	0/0	17/0	0/0
E	97	81/0	0/0	0/0	0/0	16/0	0/0
H	202	121/0	0/0	0/0	0/0	81/0	0/0
G	208	125/0	0/0	0/0	0/0	81/0	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 = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED	WEBS	FACTORED
MEMB.	MAX. FORCE (LBS)	VERT. LOAD (LBS)	MEMB.	MAX. FORCE (LBS)
FR-TO		FROM TO	FR-TO	
A-B	0/15	-91.8 -91.8 0.03 (1)	H-C	-203/0 0.03 (1)
B-J	-44/0	-91.8 -91.8 0.01 (4)	C-G	-8/0 0.00 (1)
J-C	-51/0	-91.8 -91.8 0.01 (1)	G-D	-208/0 0.03 (1)
C-D	-11/0	-91.8 -91.8 0.27 (1)	I-J	-68/0 0.00 (1)
D-L	-45/0	-91.8 -91.8 0.01 (1)	K-L	-69/0 0.00 (1)
L-E	-37/2	-91.8 -91.8 0.01 (4)		
E-F	0/15	-91.8 -91.8 0.03 (1)		
B-I	0/40	-18.5 -18.5 0.03 (1)		
I-H	0/40	-18.5 -18.5 0.05 (4)		
H-G	0/17	-18.5 -18.5 0.05 (4)		
G-K	0/35	-18.5 -18.5 0.05 (4)		
K-E	0/35	-18.5 -18.5 0.03 (1)		

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. GIG

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

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

CSI: TC=0.27/1.00 (C-D:1), BC=0.05/1.00 (H-I:4), WB=0.03/1.00 (D-G:1), SS=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

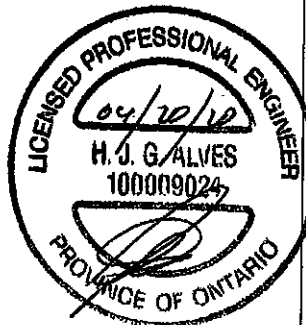
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

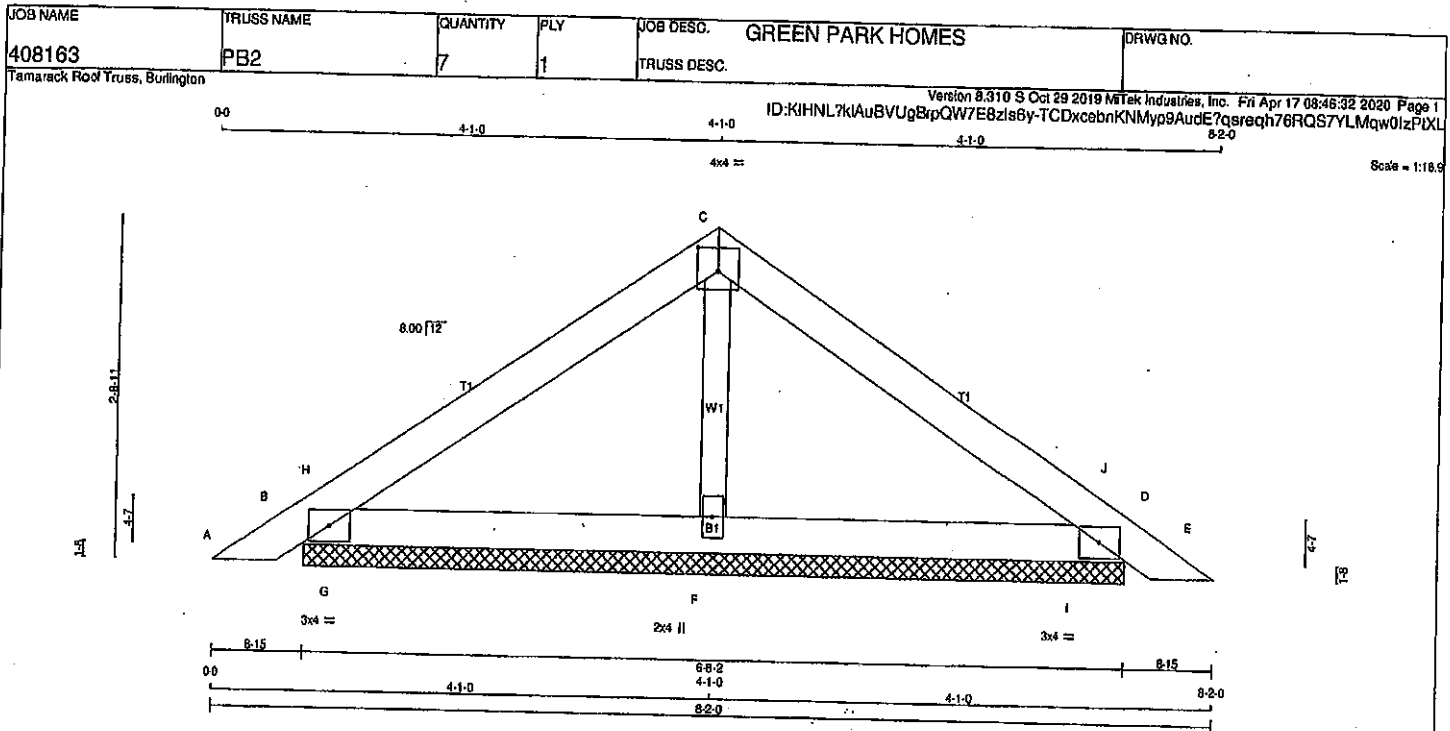
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.16 (D) (INPUT = 0.90)
JSI METAL = 0.05 (C) (INPUT = 1.00)



Structural component only
DWG# T-2006466



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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-H	MT20	3.0	4.0		
C	TTW-P	MT20	4.0	4.0	2.25	2.00
D	TMB1-L	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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	HORZ	UPLIFT	IN-SX	BRG	IN-SX
B	284	0	0	284	0	0	6-8-2	6-8-2	6-8-2
D	284	0	0	284	0	0	6-8-2	6-8-2	6-8-2
F	291	0	0	291	0	0	6-8-2	6-8-2	6-8-2

UNFACTORED REACTIONS

1ST LCASE		MAX. MIN. COMPONENT REACTIONS		PERM. LIVE		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	COMBINED	SNOW	LIVE	PERM. LIVE
B	198	142 / 0	0 / 0	0 / 0	0 / 0	58 / 0	0 / 0	198	142 / 0	0 / 0	0 / 0
D	198	142 / 0	0 / 0	0 / 0	0 / 0	58 / 0	0 / 0	198	142 / 0	0 / 0	0 / 0
F	208	125 / 0	0 / 0	0 / 0	0 / 0	63 / 0	0 / 0	208	125 / 0	0 / 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		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. (PLF)	MEMB.	FORCE (LBS)	MAX. (PLF)	MAX. (LBS)
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	0 / 15	-91.8	-91.8 0.03 (1)	10.00	F-C	-138 / 0	0.02 (1)
B-H	-32 / 0	-91.8	-91.8 0.05 (1)	6.25	G-H	-278 / 0	0.00 (1)
H-C	-111 / 0	-91.8	-91.8 0.12 (1)	6.25	I-J	-278 / 0	0.00 (1)
C-J	-111 / 0	-91.8	-91.8 0.12 (1)	6.25			
J-D	-32 / 0	-91.8	-91.8 0.05 (1)	6.25			
D-E	0 / 15	-91.8	-91.8 0.03 (1)	10.00			
B-G	0 / 88	-18.5	-18.5 0.12 (1)	10.00			
G-F	0 / 88	-18.5	-18.5 0.12 (1)	10.00			
F-I	0 / 88	-18.5	-18.5 0.12 (1)	10.00			
I-D	0 / 88	-18.5	-18.5 0.12 (1)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

CSI: TC=0.12/1.00 (C-H:1), BC=0.12/1.00 (B-G:1), WB=0.02/1.00 (C-F:1), SS=0.21/1.00 (B-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

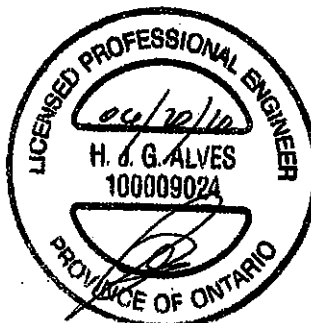
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PS) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1937 1658

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-2006467

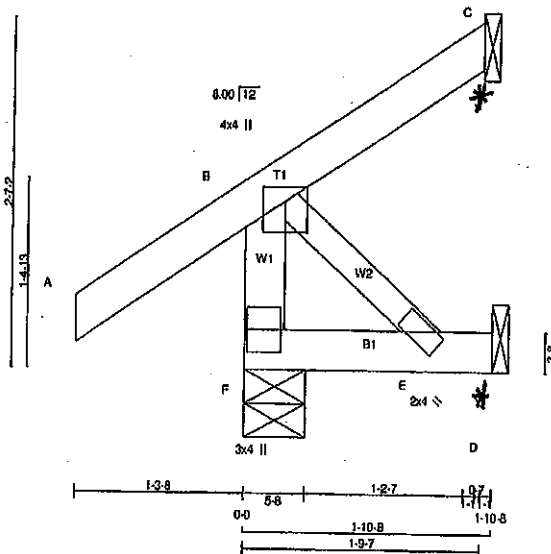
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408163	J1	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.310 9 Oct 29 2019 MTEK Industries, Inc. Fri Apr 17 08:48:21 2020 Page 1
ID:KIHNL7kAuBVUgBrpQW7E8z86y-H43nltUw7zW7TqnTQIFvXh1xOhMTLtkwp8fr7RzPIXW

1-3.8 1-3.8 0-0 1-9.7 1-9.7 1-10.8 1-10.8

Scale = 1:15.8



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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG
	VERT	HORZ	DOWN	HORZ
F	274	0	274	0
C	34	0	34	0
D	17	0	17	0

SEE MITEK STANDARD DETAIL B97731H FOR CONNECTION TO JOINT(S) C, D

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

UNFACTORED REACTIONS							
	1ST CASE	MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	190	143 / 0	0 / 0	0 / 0	0 / 0	47 / 0	0 / 0
C	23	19 / 27	0 / 0	0 / 0	0 / 0	4 / 0	0 / 0
D	14	0 / 0	0 / 0	0 / 0	0 / 0	14 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LCI	MAX	MAX.	MEMB.	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. (PLF)	FROM	TO	CSI (LC)	UNBRACED LENGTH	FR-TO	FORCE (LBS)
F-B	-258 / 0	0.0	0.0	0.03 (1)	7.81	B-E	0 / 0	0.00 (1)
A-B	0 / 35	-91.8	-91.8	0.12 (1)	10.00			
B-C	-27 / 0	-91.8	-91.8	0.12 (1)	8.25			
F-E	0 / 0	-18.5	-18.5	0.02 (4)	10.00			
E-D	0 / 0	-18.5	-18.5	0.02 (4)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 3 X 9 = 27 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

(58 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TO=0.12/1.00 (A-B:1), BC=0.02/1.00 (E-F:4),
WB=0.00/1.00 (B-E:1), SS=0.08/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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.

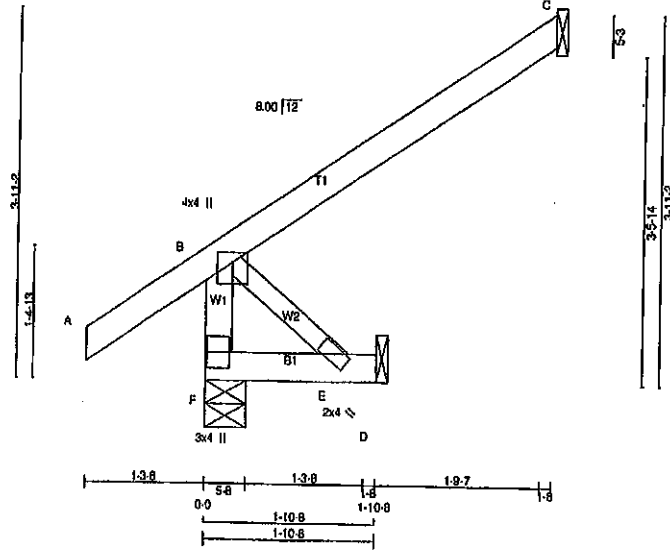
JSI GRIP= 0.18 (B) (INPUT = 0.90)
JSI METAL= 0.05 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006458

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408163	J2	3	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

ID:KIHNL7kIAuBVUgBrpQW7E8zlsBy-IGc9WDTWhJ5NccPz18pUSKE4a5I4w_41oPOgtzPtXV
Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 08:46:22 2020 Page 1
Scale = 1:22.6



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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	4.0	1.25 2.00
E	BMV+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

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
GROSS REACTION		GROSS REACTION		BRG		BRG	
VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
JT							
F	317	0	317	0	5-8	5-8	
C	174	0	174	0	1-8	1-8	
D	17	0	19	0	1-8	1-8	

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

UNFACTORED REACTIONS

1ST CASE	MAX./MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM	LIVE	WIND	DEAD
F	220	167 / 0	0 / 0	0 / 0	0 / 0	53 / 0	0 / 0
C	120	97 / 0	0 / 0	0 / 0	0 / 0	23 / 0	0 / 0
D	14	0 / 0	0 / 0	0 / 0	0 / 0	14 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 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		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
F-B	-300 / 0	B-E	0 / 0
A-B	0 / 35		
B-C	0 / 0		
F-E	0 / 0		
E-D	0 / 0		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

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

SPACING = 24.0 IN./C/C

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

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

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

ALLOWABLE DEFL.(LL) = L/380 (0.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/380 (0.19")
CALCULATED VERT. DEFL.(TL) = L/999 (0.00")

CSI: TC=0.22/1.00 (B-C:1), BC=0.02/1.00 (E-F: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

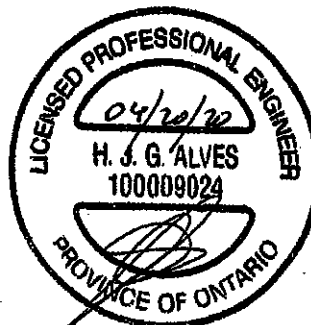
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.21 (B) (INPUT = 0.90)
JSI METAL = 0.08 (B) (INPUT = 1.00)

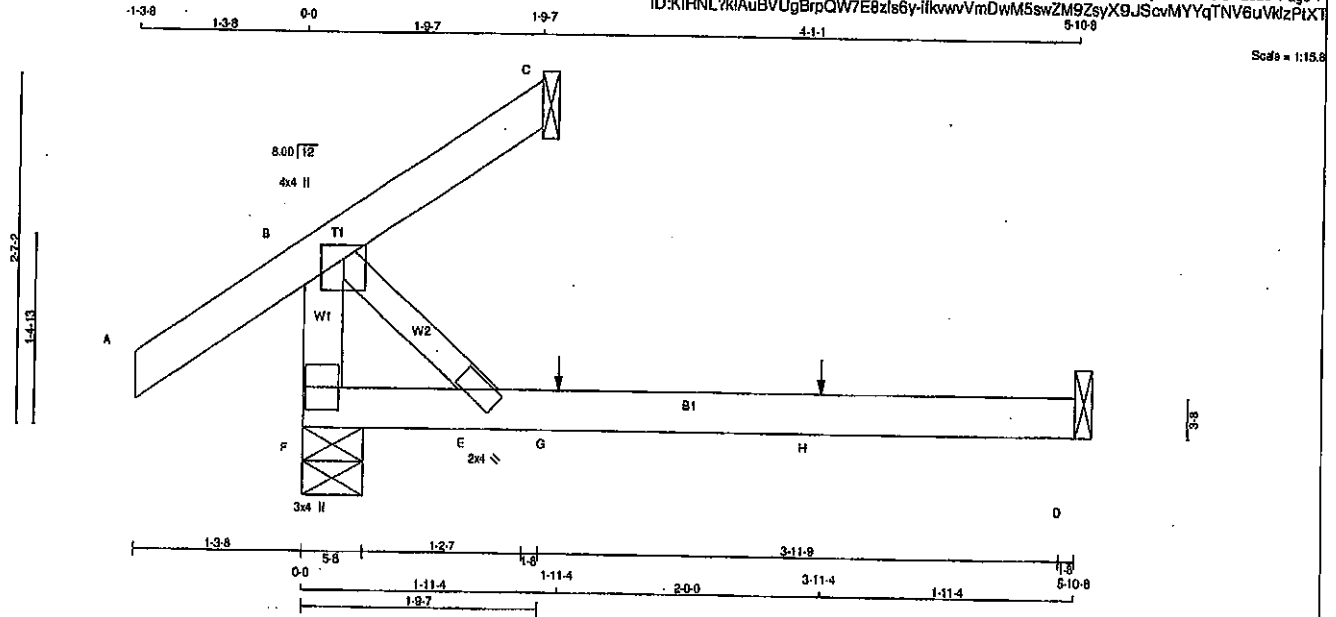


Structural component only
DWG# T-2006459

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408163	J3	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID: KIHNL7kAuBVUgBrpQW7E8zls6y-ikwvVmDwM5swZM9ZsyX9JSvMYyqTNV8uVklzPtXT



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

PLATES (table is in inches)				
JT TYPE	PLATES	W	LEN	Y X
B TMVW+p	MT20	4.0	4.0	1.25 2.00
E BMW+w	MT20	2.0	4.0	
F BMW1+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	DOWN	HORIZ	UPLIFT	BRG	BRG	IN-SX
F	311	0	311	0	0	0	5-8	5-8	5-8
C	34	0	34	0	0	1-8	1-8	1-8	1-8
D	54	0	61	0	0	1-8	1-8	1-8	1-8

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

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN	COMPONENT REACTIONS	SNOW	LIVE	PERM	LIVE	WIND	DEAD	SOIL
F	220	143 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	77 / 0	0 / 0
C	23	19 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	4 / 0	0 / 0
D	43	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	43 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX (LC)	MAX. UNBRACED LENGTH FR-TO	MEMB.	FORCE (LBS)	MAX. (LC)
FR-TO		FROM	TO		FR-TO		
F-B	-256 / 0	0.0	0.0 0.03 (1)	7.81	B-E	0 / 0	0.00 (1)
A-B	0 / 35	-91.8	-91.8 0.13 (1)	10.00			
B-C	-27 / 0	-91.8	-91.8 0.12 (1)	6.25			
F-E	0 / 0	-18.5	-18.5 0.13 (4)	10.00			
E-G	0 / 0	-18.5	-18.5 0.19 (4)	10.00			
G-H	0 / 0	-18.5	-18.5 0.19 (4)	10.00			
H-D	0 / 0	-18.5	-18.5 0.19 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX	MAX+	PAGE	DIR.	TYPE	HEEL	CONN.
G	1-11-4	1	1	---	FRONT	VERT	TOTAL	---	C1
H	3-11-4	1	1	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN./C/C

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL. (LL) = $L/360$ (0.20")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.00")
ALLOWABLE DEFL. (TL) = $L/360$ (0.20")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.06")

CS: TC=0.13/1.00 (A-B:1), BC=0.19/1.00 (D-E:4), WB=0.00/1.00 (B-E:1), SS=0.09/1.00 (B-C: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.

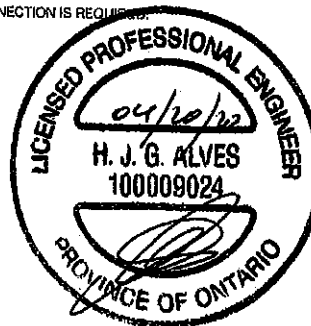
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PS)	(PL)	(PL)
	MAX	MIN	MAX
MT20	818	354	1887 768 1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

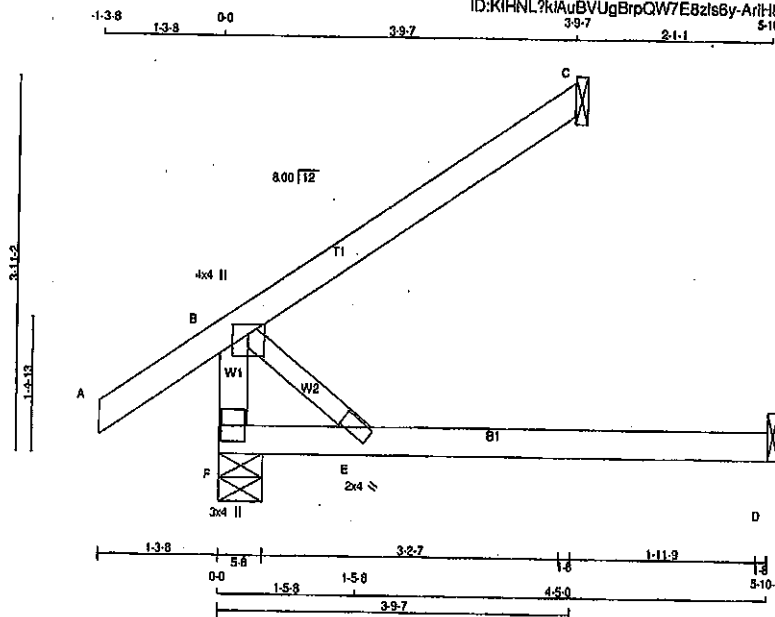
JSI GRIP=0.18 (B) (INPUT = 0.90)
JSI METAL=0.05 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006460

JOB NAME 408163	TRUSS NAME J4	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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Scale = 1:22.5

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

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		RECORD BRG	
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX
F	354	0	354	0	0	5-8	5-8	
C	174	0	174	0	0	1-8	1-8	
D	54	0	61	0	0	1-8	1-8	

SEE MITEK STANDARD DETAIL B87791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST LOOSE		MAX/MIN COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	250	187/0	0/0	0/0	0/0	83/0	0/0
C	120	97/0	0/0	0/0	0/0	23/0	0/0
D	43	0/0	0/0	0/0	0/0	43/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM	TO		FR-TO				
F-B	-300 / 0	0.0	0.0	0.03 (1)	7.81	B-E	0 / 0	0.00 (1)	
A-B	0 / 35	-91.8	-91.8	0.12 (1)	10.00				
B-C	0 / 0	-91.8	-91.8	0.22 (1)	10.00				
F-E	0 / 0	-18.5	-18.5	0.14 (4)	10.00				
E-D	0 / 0	-18.5	-18.5	0.19 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. O.C.

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.05")

CSI: TC=0.22/1.00 (B-C:1), BC=0.18/1.00 (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.

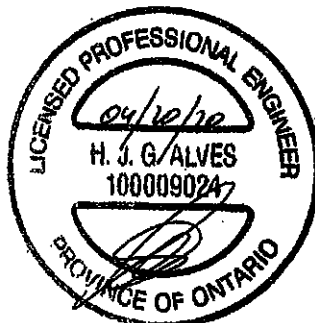
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.21 (B) (INPUT = 0.80)
JSI METAL= 0.08 (B) (INPUT = 1.00)

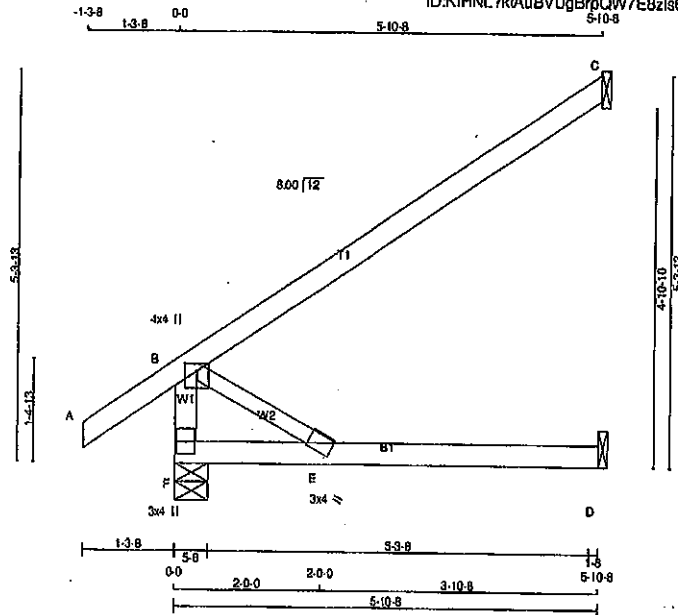


Structural component only
DWG# T-2006461

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408163	J5	11	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:KIHNL7kAuBVUgBrpQW7E8zls6y-e2sgLbX0IXco5EikG_uQCaOhf100kzgyQNopezPIXR



Scale = 1/2\"/>

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.					

<u>PLATES (table is in inches)</u>						
JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
E	BMVW+w	MT20	3.0	4.0		
F	BMV1+p	MT20	3.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	UP	IN-SX
F	450	0	0	5-8
C	270	0	0	1-8
D	54	0	0	1-8

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

UNFACTORED REACTIONS	1ST CASE	MAX. MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
JT	COMBINED	SNOW	LIVE	PERM. LIVE	
F	318	221 / 0	0 / 0	0 / 0	95 / 0
C	185	150 / 0	0 / 0	0 / 0	35 / 0
D	43	0 / 0	0 / 0	0 / 0	43 / 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: (4)

CHORDS	MAX. FACTORED	FACTORED	WESS	MAX. FACTORED
MEMB.	FORCE	VERT. LOAD	MEMB.	FORCE
	(LBS)	LC1		(LBS)
FR-TO		FROM TO	FR-TO	
F-B	-395 / 0	0.0	0.0	0.04 (1)
A-B	0 / 35	-91.8	-91.8	0.12 (1)
B-C	0 / 0	-91.8	-91.8	0.54 (1)
F-E	0 / 0	-18.5	-18.5	0.17 (4)
E-D	0 / 0	-18.5	-18.5	0.19 (4)

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL. (LL) = L/360 (0.20")
CALCULATED VERT. DEFL. (LL) = L/999 (0.00")
ALLOWABLE DEFL. (TL) = L/360 (0.20")
CALCULATED VERT. DEFL. (TL) = L/999 (0.05")

CSI: TC=0.54/1.00 (B-C:1), BC=0.19/1.00 (D-E:4), WB=0.00/1.00 (B-E:1), SS=0.17/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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)	(PLU)	(PLU)
MT20	618	354	1667

PLATE PLACEMENT TOL. = 0.250 inches

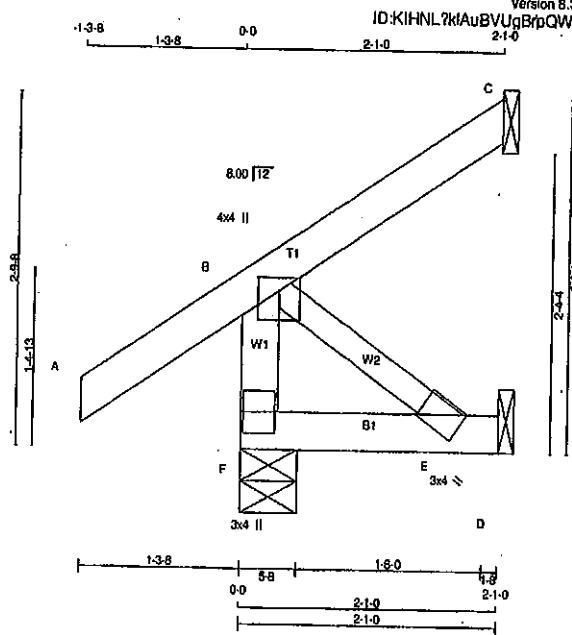
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.28 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006462

JOB NAME 408163	TRUSS NAME J6	QUANTITY 5	PLY. 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



LUMBER				DESCR.	SPF
N. L. G. A. RULES	CHORDS	SIZE	LUMBER		
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 (tablets in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	4.0	1.25 2.00
F	BMVW+p	MT20	3.0	4.0	
F	BMV1+p	MT20	3.0	4.0	

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	RECORD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
F	241	0	241	0	5-8	5-8
C	98	0	98	0	1-8	1-8
D	19	0	22	0	1-8	1-8

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

UNFACTORED REACTIONS

JT	1ST LCASE		MAX/MIN. COMPONENT REACTIONS				WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD			
F	168	124 / 0	0 / 0	0 / 0	0 / 0	44 / 0	0 / 0	0 / 0	0 / 0
C	68	53 / 0	0 / 0	0 / 0	0 / 0	13 / 0	0 / 0	0 / 0	0 / 0
D	15	0 / 0	0 / 0	0 / 0	0 / 0	15 / 0	0 / 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)

FR-TO	CHORDS		FACTORED		WEBS		FACTORED	
	MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	MAX. MEMB.	FORCE (LBS)	MAX. FORCE (LBS)	MAX. CSI (LC)
F-B		222 / 0	0.0	0.0	0.02 (1)	7.61	0 / 0	0.00 (1)
A-B		0 / 35	-91.8	-91.8	0.12 (5)	10.00		
B-C		0 / 0	-91.8	-91.8	0.07 (1)	10.00		
F-E		0 / 0	-18.5	-18.5	0.02 (4)	10.00		
E-D		0 / 0	-18.5	-18.5	0.02 (4)	10.00		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 5 X 10 = 49 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. G/C

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL. (LL) = 1/360 (0.19")
CALCULATED VERT. DEFL. (LL) = 1/899 (0.00")
ALLOWABLE DEFL. (TL) = 1/360 (0.19")
CALCULATED VERT. DEFL. (TL) = 1/999 (0.00")

CSI: TC=0.12/1.00 (A-B:5), BC=0.02/1.00 (E-F:4),
WB=0.00/1.00 (B-E:1), SS=0.08/1.00 (A-B:5)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

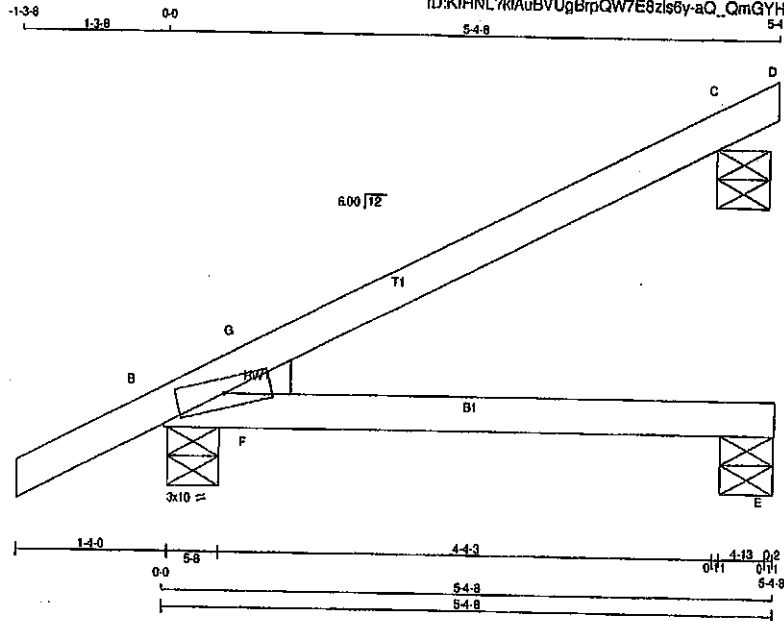
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.15 (B) (INPUT = 0.90)
JSI METAL= 0.05 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006463

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
408163	J7	2	1	GREEN PARK HOMES		
Tamarack Roof Truss, Burlington						



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
	B	TMBH1-m	MT20	3.0	10.0	

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT	REQD	
JT	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	IN-SX	HEEL	
B	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	WEDGE	
E	409	0	409	0	0	5-8	2x4 L	
C	80	0	80	0	0	5-8		
	235	0	235	0	0	5-8		

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

UNFACTORED REACTIONS

JT	COMBINED	MAX/MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
B	287	201/0	0/0	0/0	0/0	86/0	0/0
E	59	21/0	0/0	0/0	0/0	38/0	0/0
C	162	126/0	0/0	0/0	0/0	38/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED				WEBS		
MEMB.	MAX. FORCE (LBS)	VERT. LOAD (PLF)	MAX. LC1 (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FORCE (LBS)	FACTORED MAX CS1 (LC)	
FR-TO		FROM TO			FR-TO			
A-B	0/26	-91.8	-91.8	0.12 (1)	10.00	F-G	-181/14	
B-G	-23/0	-91.8	-91.8	0.08 (4)	6.25		0.00 (1)	
G-C	0/4	-91.8	-91.8	0.30 (1)	10.00			
C-D	-7/0	-91.8	-91.8	0.01 (1)	10.00			
B-F	0/0	-18.5	-18.5	0.23 (1)	10.00			
F-E	0/0	-18.5	-18.5	0.23 (1)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

(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) = $L/999$ (0.05")
ALLOWABLE DEFL. (TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL. (TL) = $L/664$ (0.10")

CSI: TC=0.30/1.00 (C-G:1), BC=0.23/1.00 (E-F:1), WB=0.00/1.00 (F-G:1), SSI=0.16/1.00 (B-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



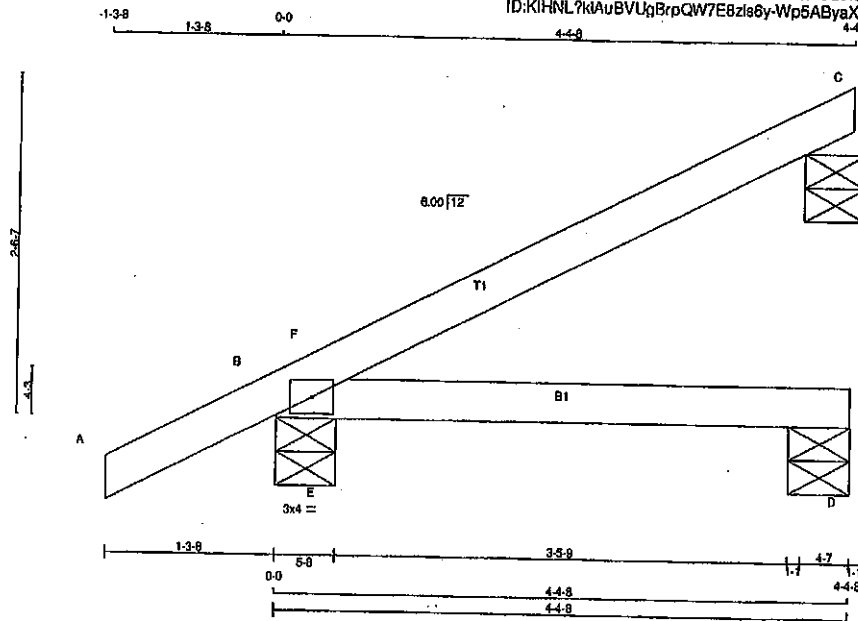
Structural component only
DWG# T-2006464

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
408163	J8	8	1	GREEN PARK HOMES		

Tamarack Roof Truss, Burlington

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ID: KIHNL7kAuBVUqBrpQW7E8zla8y-Wp5AByaXom6Ear0WVpyMnQZSWKPMYyYfI2LpyPzPDXN

Scale: 3/4"=1'



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

DRY: SEASONED LUMBER.

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
	VERT	HORZ	DOWN	HORZ	IN-SX	IN-SX	IN-SX	IN-SX
C	175	0	175	0	0	5-8 (4-6)	5-8	5-8
B	366	0	366	0	0	5-8	5-8	5-8
D	66	0	66	0	0	5-8 (5-7)	5-8	5-8

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

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

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	121	94/0	0/0	0/0	0/0	27/0	0/0
B	256	181/0	0/0	0/0	0/0	75/0	0/0
D	49	18/0	0/0	0/0	0/0	32/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	CHORDS				WEBS			
		FACTORED VERT. LOAD (LBS)	FACTORED HORZ. LOAD (LBS)	MAX. FACTORED (LBS)	MAX. FACTORED (LBS)	FACTORED VERT. LOAD (LBS)	FACTORED HORZ. LOAD (LBS)	MAX. FACTORED (LBS)	MAX. FACTORED (LBS)
FR-TO									
A-B	0/26	-91.8	-91.8	0.12 (1)	10.00	E-F	-280/8	0.00 (1)	
B-F	-20/37	-91.8	-91.8	0.05 (1)	8.25				
F-C	-3/2	-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				

TOTAL WEIGHT = 8 X 12 = 96 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.02")
ALLOWABLE DEFL.(TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.04")

CSI: TC=0.28/1.00 (C-F:1), BC=0.16/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SS=0.23/1.00 (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 (PL)	(PL)
MAX MIN	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 = 0.29 (B) (INPUT = 0.90)
JSI METAL = 0.06 (B) (INPUT = 1.00)



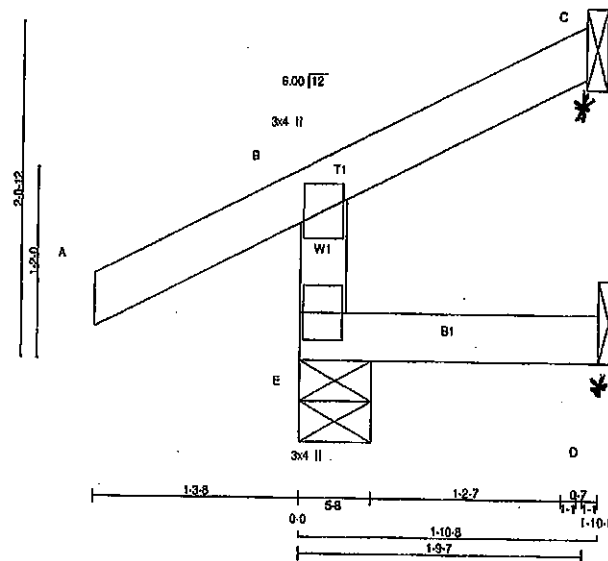
Structural component only
DWG# T-2006465

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	J21	6	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:Ovhky48Q0cPQc_Y353NoTWzleKo-gVWVOPeSF8DOX09DB7P30Uhd04z4hKoMDyxlyezPzZb

Scale = 1:13.1



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

DRY: SEASONED LUMBER.

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

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

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

SEE MITEK STANDARD DETAIL B87791H FOR CONNECTION TO JOINT(S) C, D

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 160 LBS FACTORED UPLIFT
PROVIDE ANCHORAGE AT BEARING JOINT D FOR 160 LBS FACTORED UPLIFT

UNFACTORED REACTIONS		1ST CASE		MAX/MIN COMPONENT REACTIONS		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM.	LIVE	WIND	DEAD	SOIL	WIND	DEAD	SOIL
E	188	141 / 0	0 / 0	0 / 0	0 / 0	0 / 0	47 / 0	0 / 0	0 / 0	0 / 0	0 / 0
C	31	24 / -18	0 / 0	0 / 0	0 / 0	0 / 0	7 / 0	0 / 0	0 / 0	0 / 0	0 / 0
D	7	0 / -8	0 / 0	0 / 0	0 / 0	0 / 0	12 / 0	0 / 0	0 / 0	0 / 0	0 / 0

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX
FR-TO		FROM	TO	FR-TO		FROM	TO
E-B	-244 / 0	0.0	0.0	0.04 (5)	7.81		
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00		
B-C	-17 / 0	-91.8	-91.8	0.09 (1)	6.25		
E-D	0 / 0	-18.5	-18.5	0.04 (5)	10.00		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 6 X 7 = 42 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. OC

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

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

DESIGN ASSUMPTIONS
OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

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

CS: TC=0.12/1.00 (A-B:1), BC=0.04/1.00 (D-E:5),
WB=0.00/1.00 (n/a:0), SS=0.09/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

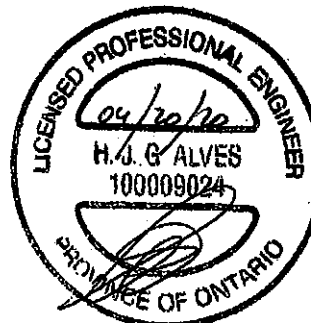
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES			
PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PSI)	(PSI)	(PSI)
MAX MIN	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)



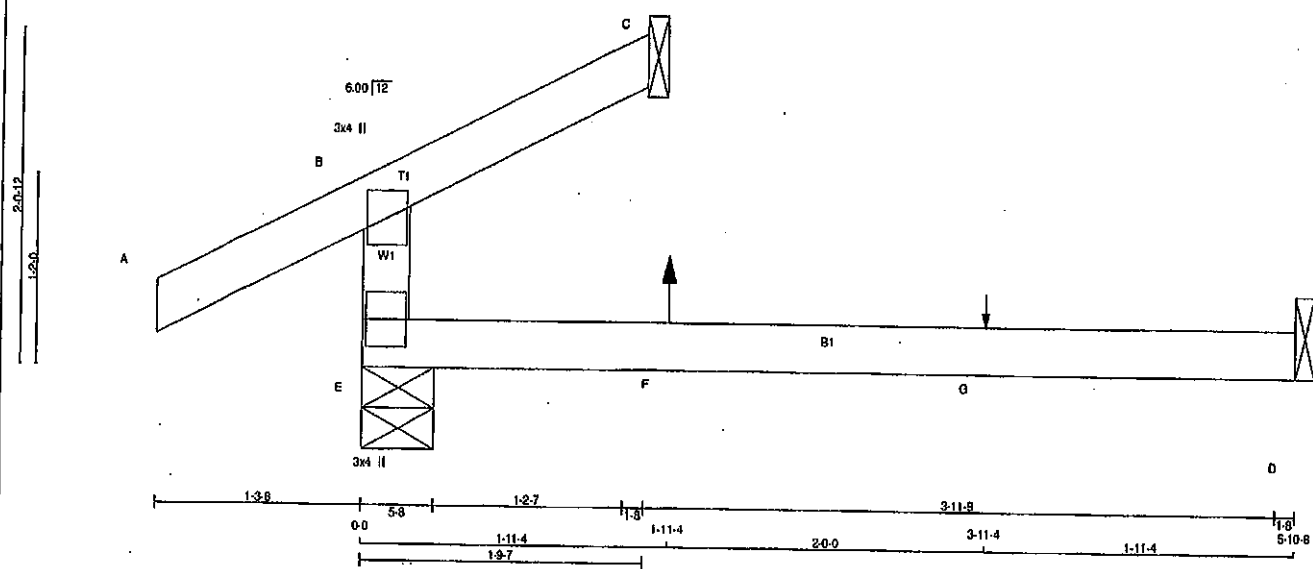
Structural component only
DWG# T-2006477

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	J23	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/16"



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

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQ'D BRG	
	VERT	HORZ	DOWN	HORZ	IN-SX	IN-SX	IN-SX	IN-SX
E	284	0	284	0	5-8	5-8		
C	63	0	63	0	1-8	1-8		
D	44	0	52	0	1-8	1-8		

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

UNFACTORED REACTIONS

JT	1ST LOASE COMBINED		MAX/MIN. COMPONENT REACTIONS		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
	VERT	HORZ	DOWN	HORZ						
E	200	137 / 0	0 / 0	0 / 0	0 / 0	82 / 0	0 / 0			
C	48	21 / 0	0 / 0	0 / 0	0 / 0	25 / 0	0 / 0			
D	35	0 / 3	0 / 0	0 / 0	0 / 0	37 / 0	0 / 0			

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (7)

FR-TO	CHORDS MAX. FACTORED MEMB. FORCE (LBS)		FACTORED VERT. LOAD (LBS)		WESS MAX. FACTORED MEMB. FORCE (LBS)		MAX. FACTORED MEMB. FORCE (LBS)	
	LOC	LC1	LOC	LC1	LOC	LC1	LOC	LC1
E-B	-227 / 0	0.0	0.0	0.11 (4)	7.81			
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00			
B-C	-9 / 8	-91.8	-91.8	0.08 (4)	10.00			
E-F	0 / 0	-18.5	-18.5	0.14 (4)	10.00			
F-G	0 / 0	-18.5	-18.5	0.14 (4)	10.00			
G-D	0 / 0	-18.5	-18.5	0.14 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC	LC1	MAX	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
F	1-11-4	7	1	12	BACK	VERT	TOTAL	--	C1
G	3-11-4	1	1	---	BACK	VERT	TOTAL	--	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 2 X 12 = 23 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. OC

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

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
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=0.00/1.00 (n/a:0), SSI=0.09/1.00 (A-B:1)

DOL LUMBER=0.99 NAIL=0.99 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.

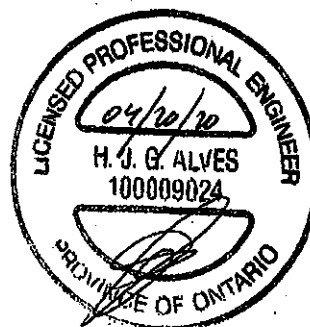
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PS)	SECTION (PLI)
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= 0.06 (B) (INPUT = 1.00)

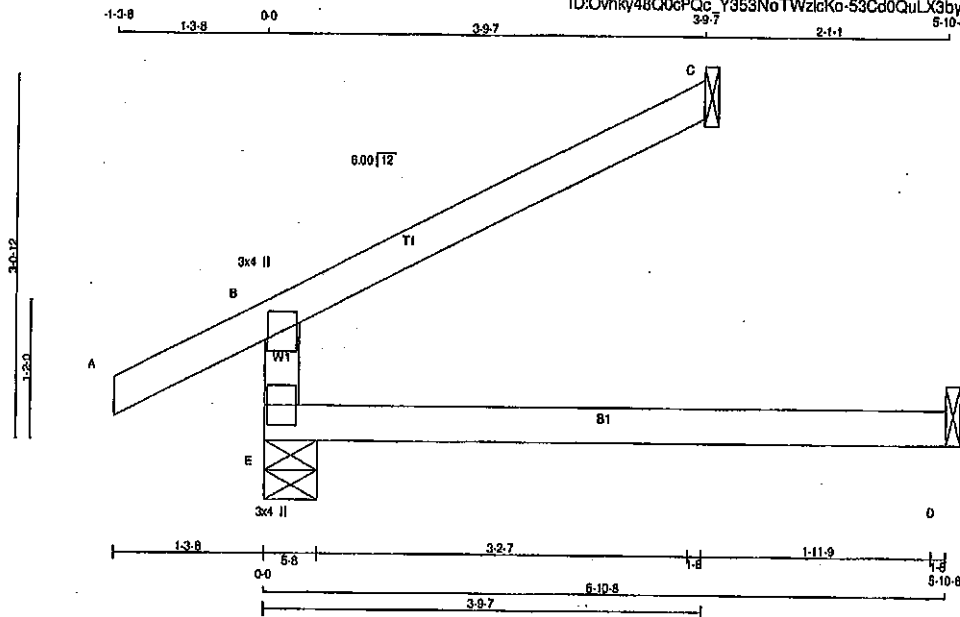


Structural component only
DWG# T-2006479

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	J24	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:Ovhky48C0cPQc_Y353NoTWzlcKo-53Cd0QuLX3byOUuos7zme6JhelzJuhYowwAzZzzPtZY
39-7 5-10-8



Scale = 1:17.9

<u>LUMBER</u>				
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.				

DRY: SEASONED LUMBER.

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	IN-SX	IN-SX
E	405	405	5-8	5-8
C	130	130	1-8	1-8
D	45	50	1-8	1-8

SEE MITEK STANDARD DETAIL 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	288	180 / 0	0 / 0	0 / 0	0 / 0	0 / 0	98 / 0	0 / 0
C	90	73 / 0	0 / 0	0 / 0	0 / 0	0 / 0	17 / 0	0 / 0
D	36	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	36 / 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			WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO		FROM TO		FR-TO		
E-B	-342 / 0	0.0	0.0 0.13 (4)		7.81	
A-B	0 / 28	-81.8	-81.8 0.12 (1)		10.00	
B-C	-19 / 0	-81.8	-81.8 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 = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 26.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/360$ (0.20")
CALCULATED VERT. DEFL. (LL) = $L/989$ (0.00")
ALLOWABLE DEFL. (TL) = $L/360$ (0.20")
CALCULATED VERT. DEFL. (TL) = $L/989$ (0.03")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

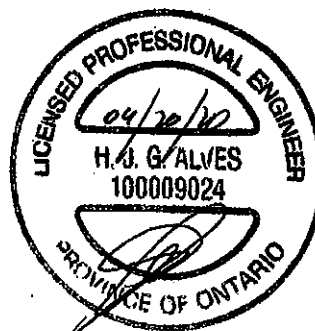
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES	PLATE	GRIP (DRY)	SHEAR	SECTION
	(PS)	(PL)	(PL)	
	MAX	MIN	MAX	MIN
MT20	818	354	1667	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)

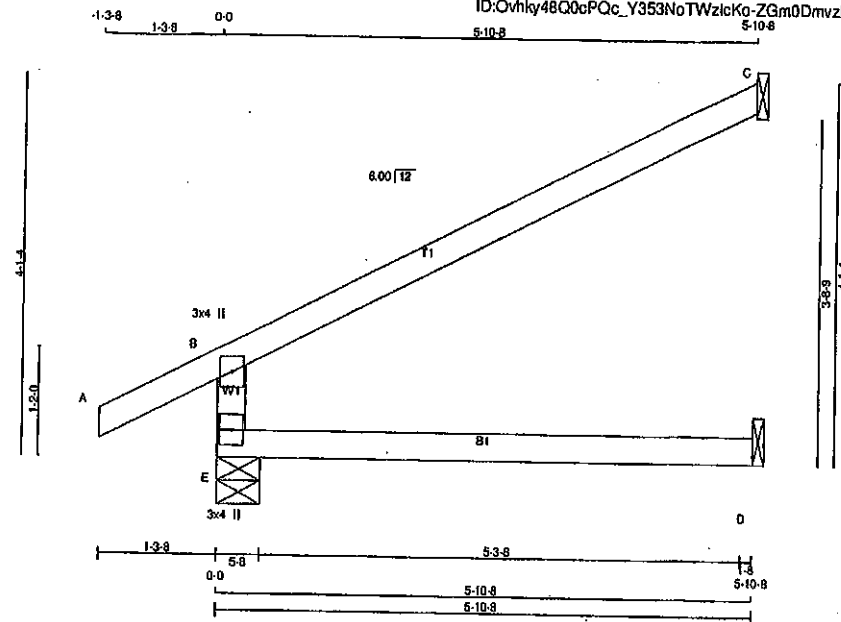


Structural component only
DWG# T-2006480

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
408165	J25	11	1	GREEN PARK HOMES		

Tamarack Roof Truss, Burlington

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ID:OVhky48Q0cPQc_Y353NoTWzlcKo-ZGm0DmvzIMp0eT_QqU7BKrnShIyD7ox8avW6PzPiZX



Scale = 1:22.5

LUMBER	SIZE	DRY	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	BMV1+p	MT20	3.0	4.0	

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

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

SEE MITEK STANDARD DETAIL B87791H 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	369	257.0	0.0	0.0	0.0	111.0	0.0
C	139	113.0	0.0	0.0	0.0	28.0	0.0
D	36	0.0	0.0	0.0	0.0	36.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED		WEBS		MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (I/O)
		VERT. LOAD	LOI	MAX. (PLF)	MAX. UNBRAC LENGTH			
FR-TO								
E-B	-461.0	0.0	0.0	0.13 (4)	7.81			
A-B	0.28	-91.8	-91.8	0.12 (1)	10.00			
B-C	-30.0	-91.8	-91.8	0.64 (1)	6.25			
E-D	0.0	-18.5	-18.5	0.13 (4)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBCC 2015, 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.

(85 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.03")

CSI: TC=0.54/1.00 (B-C:1), BC=0.13/1.00 (D-E:4), WB=0.00/1.00 (N/A:0), SSI=0.24/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

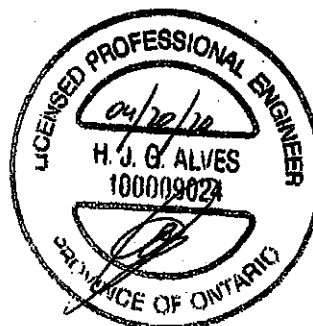
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PS)	SECTION (PLI)
MT20	818	354	1687 788 1587 1658

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)

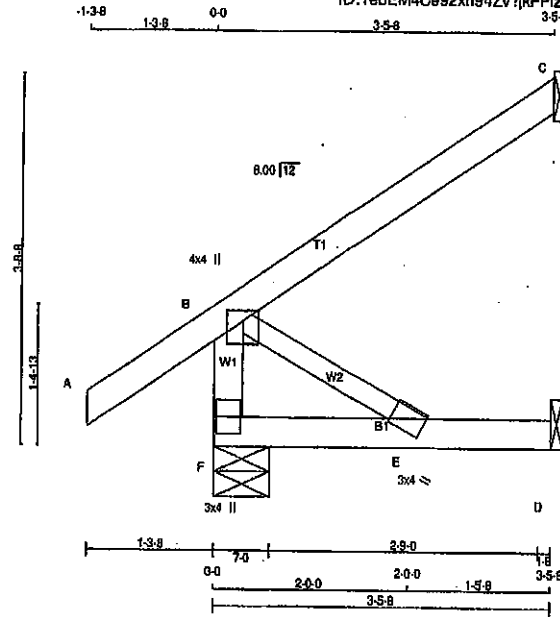


Structural component only
DWG# T-2006481

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408164	J26	9	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:1ebEM4Ce92xn94Zv?kFPlzmBR3-WdIdmG_7UJKQIMVLdKZnqnJND_mHU4qjDN79zMDcR



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.					

<u>PLATES (table is in inches)</u>						
JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.25	2.00
E	BMVW+w	MT20	3.0	4.0		
F	BMV1+p	MT20	3.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
GROSS REACTION	GROSS REACTION	BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ
F	317	0	317	0
C	159	0	159	0
D	32	0	32	0

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
F	222	159/0	0/0	0/0	0/0	0/0	0/0	63/0	0/0
C	109	88/0	0/0	0/0	0/0	0/0	0/0	21/0	0/0
D	26	0/0	0/0	0/0	0/0	0/0	0/0	26/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS				WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LG1 (PLF)	MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)	
FR-TO		FROM TO			FR-TO			
F-B	-285/0	0.0	0.0	0.03 (1)	7.61	B-E	0/0	0.00 (1)
A-B	0/35	-91.6	-91.6	0.14 (5)	10.00			
B-C	0/0	-91.6	-91.6	0.19 (1)	10.00			
F-E	0/0	-18.5	-18.5	0.06 (4)	10.00			
E-D	0/0	-18.5	-18.5	0.06 (4)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 9 X 14 = 122 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 = 35.0 PSF

SPACING = 24.0 IN. OC

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF 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 31.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.18")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.18")
CALCULATED VERT. DEFL.(TL) = L/999 (0.01")

CSI: TC=0.18/1.00 (B-C:1), BC=0.08/1.00 (E-F:4), WB=0.00/1.00 (B-E:1), SS=0.10/1.00 (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
MT20	618	354	1667
		788	1667

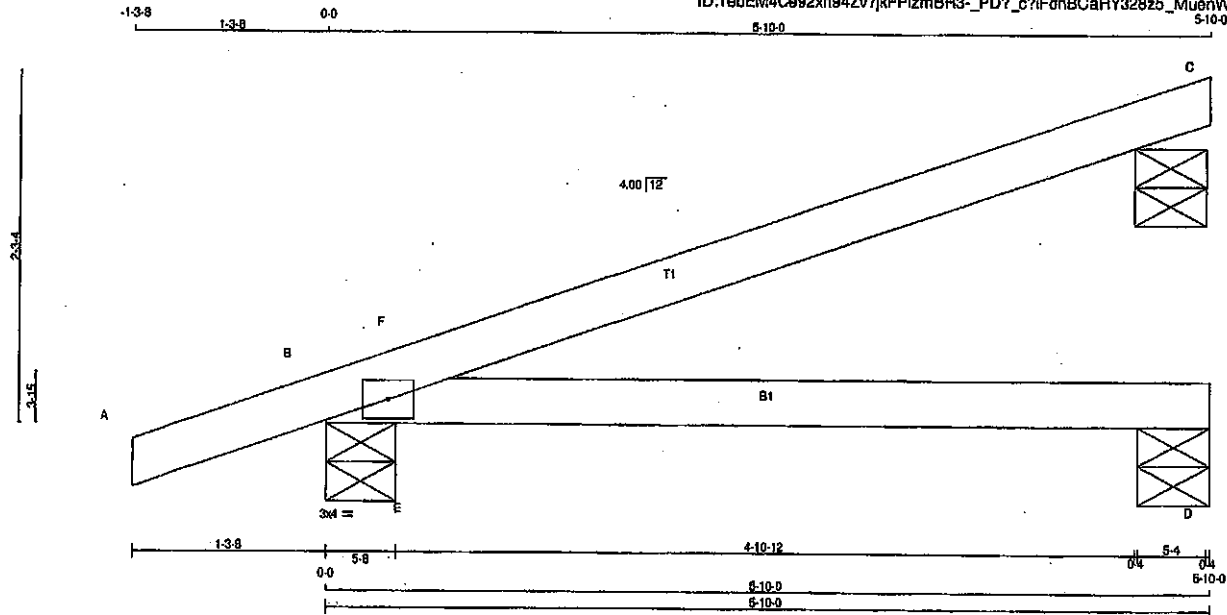
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.20 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007730



TOTAL WEIGHT = 7 X 15 = 107 lb

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT	REQD
GROSS REACTION		GROSS REACTION		GROSS REACTION		BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
C	234	0	234	0	0	5-8	5-8
B	444	0	444	0	0	5-8	5-8
D	88	0	88	0	0	5-8	5-8

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

UNFACTORED REACTIONS

1ST CASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	162	120/0	0/0	0/0	0/0	36/0	0/0
B	312	218/0	0/0	0/0	0/0	94/0	0/0
D	66	23/0	0/0	0/0	0/0	42/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1	MAX. LC2	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 (LC2)
FR-TO		FROM TO				FR-TO		
A-B	0/18	-91.8	-91.8	0.11 (1)	10.00	E-F	-324 / 12	0.00 (1)
B-F	-20 / 18	-91.8	-91.8	0.07 (4)	8.25			
F-C	-2/12	-91.8	-91.8	0.41 (1)	10.00			
B-E	0/0	-18.5	-18.5	0.28 (1)	10.00			
E-D	0/0	-18.5	-18.5	0.28 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018 , OBC 2012 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-08, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.07")
ALLOWABLE DEFL.(TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(TL) = $L/501$ (0.14")

CSI: TC=0.41/1.00 (C-F:1), BC=0.28/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SSI=0.27/1.00 (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) (PSI)		SHEAR (PLI)		SECTION (PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	618	354	1687	788	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.29 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)

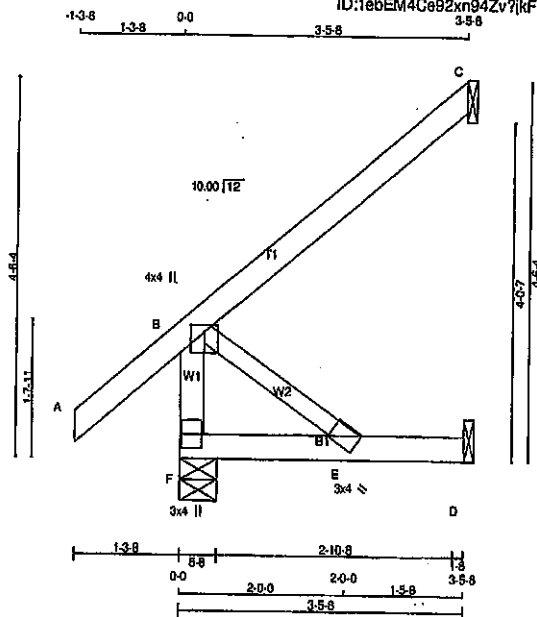


Structural component only
DWG# T-2007731

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408164	J28	7	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/25.4

LUMBER	DESCR.
N. L. G. A. RULES	
CHORDS SIZE	
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 in inches)	W	LEN	Y	X
JT TYPE PLATES				
B TMVW+p MT20	4.0	4.0	1.00	2.00
E BMV+w MT20	3.0	4.0		
F BMV1+p MT20	3.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
GROSS REACTION	GROSS REACTION	BRG	BRG	
JT VERT HORZ	DOWN HORZ	UPLT	IN-SX	IN-SX
F 318 0	318 0	0	5-8	5-8
C 159 0	159 0	0	1-8	1-8
D 32 0	32 0	0	1-8	1-8

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

UNFACTORED REACTIONS	1ST LCASE	MAX/MIN COMPONENT REACTIONS	PERM LIVE	WIND	DEAD	SOIL
JT COMBINED SNOW LIVE						
F 222 159/0	0/0	0/0	0/0	0/0	63/0	0/0
C 109 88/0	0/0	0/0	0/0	0/0	21/0	0/0
D 28 0/0	0/0	0/0	0/0	0/0	28/0	0/0

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

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 (PLF)	MAX. CS1 (LC)	MEMB. FORCE (LBS)
FR-TO		FROM TO	UNBRAC LENGTH FR-TO	
F-B	-286/0	0.0 0.0 0.03 (1)	7.81	B-E 0/0 0.00 (1)
A-B	0/41	-91.8 -91.8 0.14 (5)	10.00	
B-C	0/0	-91.8 -91.8 0.19 (1)	10.00	
F-E	0/0	-18.5 -18.5 0.08 (4)	10.00	
E-D	0/0	-18.5 -18.5 0.08 (4)	10.00	

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 7 X 14 = 101 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
OL = 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
- 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")

CS1: TC=0.19/1.00 (B-C:1), BC=0.08/1.00 (E-F:4), WB=0.00/1.00 (B-E:1), SS1=0.10/1.00 (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 768 1987 1658

PLATE PLACEMENT TOL. = 0.250 Inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.22 (B) (INPUT = 0.90)
JSI METAL = 0.08 (B) (INPUT = 1.00)



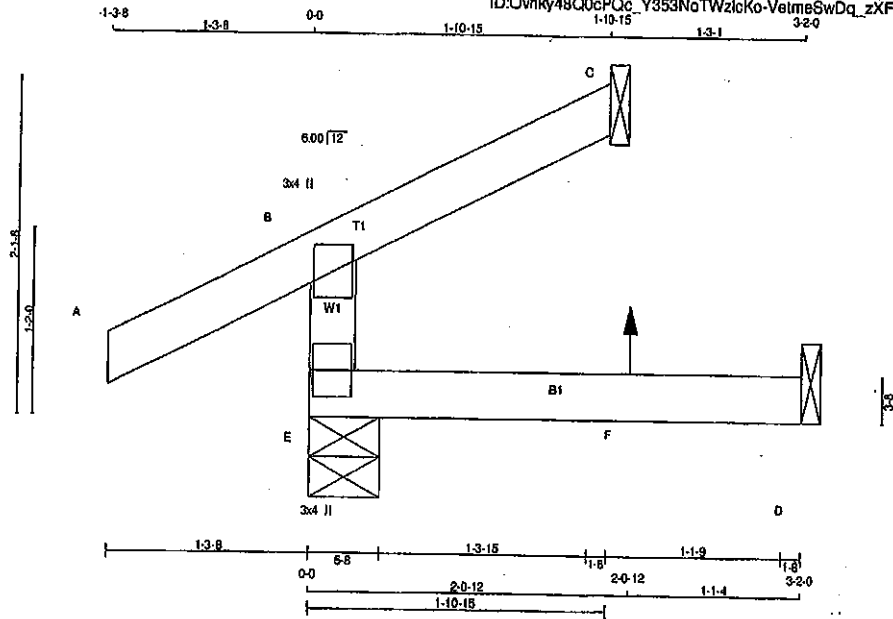
Structural component only
DWG# T-2007732

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DWG NO.
408165	J31	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:12.4



TOTAL WEIGHT = 2 X 9 = 17 lb

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

DRY: SEASONED LUMBER.

PLATES (table ts 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	

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
E	284	0	284	0	5-8	5-8
C	68	0	68	0	1-8	1-8
D	21	0	28	0	1-8	1-8

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

UNFACTORED REACTIONS

JT	1ST CASE		MAX/MIN COMPONENT REACTIONS		PERM.LIVE	WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE				
E	185	128/0	0/0	0/0	0/0	0/0	57/0	0/0
C	48	37/0	0/0	0/0	0/0	0/0	9/0	0/0
D	15	14/0	0/0	0/0	0/0	0/0	20/0	0/0

HORIZONTAL REACTIONS

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
F	2-0-12	7	1	12	FRONT	VERT	TOTAL		CI

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: (8)

MEMB.	CHORDS		FACTORED		WEBS		MAX. FACTORED	
	MAX. FORCE (LBS)	VERT. LOAD (PLF)	LC1	MAX	MAX.	MEMB.	FORCE (LBS)	CSI (LC)
FR-TO								
E-B	-234/0	0.0	0.0	0.03 (4)	7.81			
A-B	0/28	-91.8	-91.8	0.13 (5)	10.00			
B-C	-10/0	-91.8	-91.8	0.08 (1)	10.00			
E-F	0/0	-18.5	-18.5	0.04 (4)	10.00			
F-D	0/0	-18.5	-18.5	0.04 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
F	2-0-12	7	1	12	FRONT	VERT	TOTAL		CI

CONNECTION REQUIREMENTS

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

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

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

SPACING = 24.0 IN. G/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, NBC 2015, ABC 2019
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

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

ALLOWABLE DEFL. (LL) = $L/280$ (0.19")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.00")
ALLOWABLE DEFL. (TL) = $L/380$ (0.19")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.00")

CSI: TC=0.13/1.00 (A-B-S), BC=0.04/1.00 (D-E-C), WB=0.00/1.00 (W-A-D), SSI=0.10/1.00 (A-B-S)

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.

MAIL 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= 0.10 (E) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)

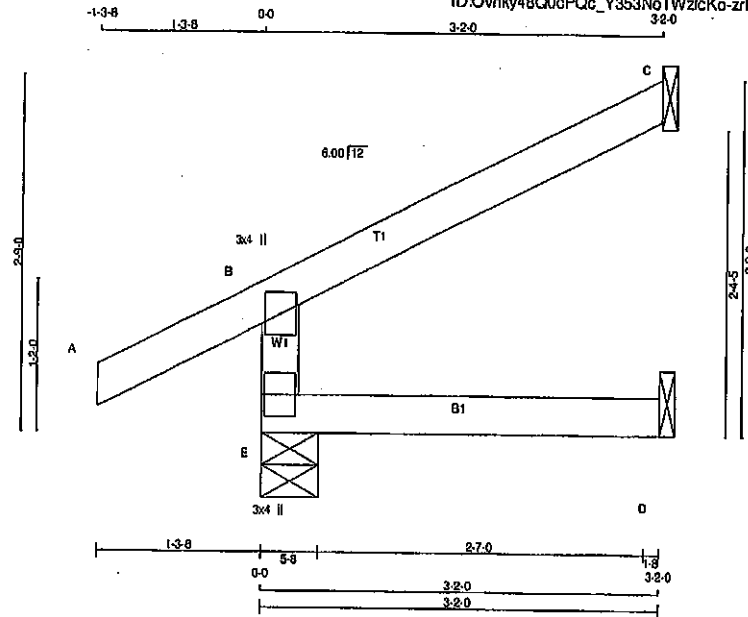


Structural component only
DWG# T-2006482

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408165	J32	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:16.4

LUMBER				DESCR.	
N.L.G. A. RULES	CHORDS	SIZE	LUMBER	SPF	SPF
E - B	2x4	DRY	No.2	SPF	SPF
A - C	2x4	DRY	No.2	SPF	SPF
E - D	2x4	DRY	No.2	SPF	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		RECORD	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	DOWN	UP	IN-SX	BRG	IN-SX
E	339	0	339	0	0	5-8	5-8	5-8	5-8
C	109	0	109	0	0	1-8	1-8	1-8	1-8
D	25	0	25	0	0	1-8	1-8	1-8	1-8

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

UNFACTORED REACTIONS		1ST CASE		MAX/MIN. COMPONENT REACTIONS		SNOW		LIVE		PERM. LIVE		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	SNOW	LIVE	PERM. LIVE	WIND
E	237	171	0	0	0	0	0	0	0	0	0	67	0	0	0	0	0
C	75	81	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0
D	20	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. LC1	MAX. MEMB. (LBS)	FORCE (LBS)	MAX. LC1	MAX. MEMB. (LBS)
FR-TO		FROM	TO	LENGTH	FR-TO		
E-B	-306	0	0	0.03 (4)	7.81		
A-B	0	28	-91.8	-91.8	0.13 (5)	10.00	
B-C	-16	0	-91.8	-91.8	0.16 (1)	6.25	
E-D	0	0	-18.5	-18.5	0.04 (4)	10.00	

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 3 X 10 = 31 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = 1/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = 1/999 (0.00")

CSI: TC=0.16/1.00 (B-C:1), BC=0.04/1.00 (D-E:4),
WB=0.00/1.00 (A-D:0), SSI=0.13/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

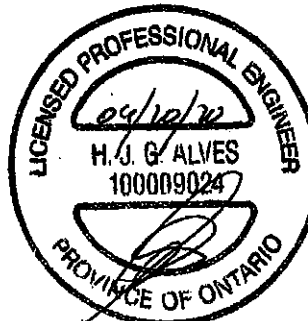
NAIL VALUES

PLATE	GRIP(DRY)		SHEAR		SECTION	
	(PSI)		(PLI)		(PLI)	
	MAX	MIN	MAX	MIN	MAX	MIN
MT20	616	354	1687	788	1987	1658

PLATE PLACEMENT TOL. = 0.250 inches

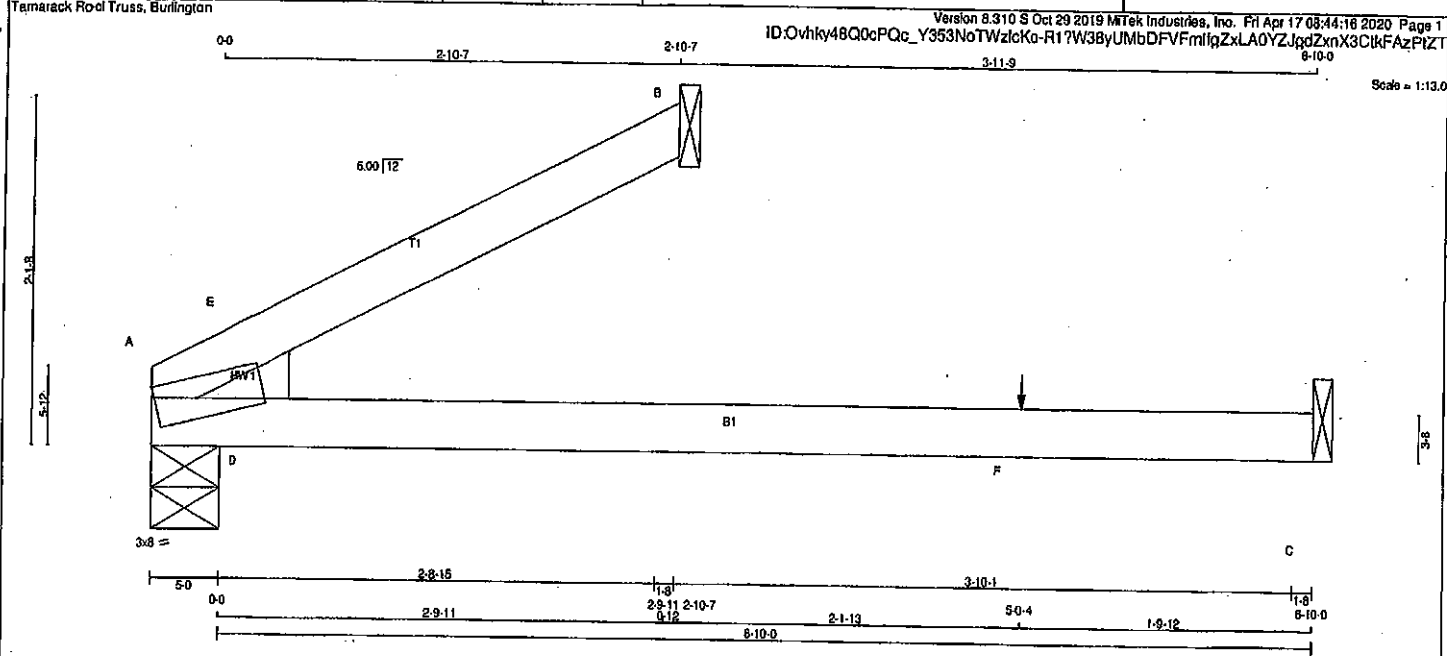
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.13 (E) (INPUT = 0.90)
JSI METAL=0.08 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006483

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408165	J33	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 08:44:18 2020 Page 1	



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

PLATES (tablets in inches)			
JT TYPE	PLATES	W	LEN Y X
A	1BMH1-m	MT20	3.0 8.0 Edge
Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.			

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG		HEEL WEDGE
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX	
A	209	0	209	0	0	5-0	5-0	2x4 L	
B	166	0	166	0	0	1-8	1-8		
C	60	0	61	0	0	1-8	1-8		

SEE MITEK STANDARD DETAIL 697791H FOR CONNECTION TO JOINT(S) A, B, C

JT	UNFACTORED REACTIONS		MAX. MIN. COMPONENT REACTIONS		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
	1ST CASE	2ND CASE	DOWN	UP						
A	150	89 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	61.0	0.0	0.0
B	118	75 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	43.0	0.0	0.0
C	47	4 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	43.0	0.0	0.0

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

FR-TO	CHORDS		FACTORED		WEBS		FACTORED	
	MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX. (LC)	MEMB.	FORCE (LBS)	LC1 MAX. (LC)	MEMB.
A-E	-113 / 0	-81.8	-81.8	0.18 (4)	8.25	D-E	0 / 163	0.00 (1)
E-B	0 / 20	-81.8	-81.8	0.21 (4)	10.00			
A-D	0 / 0	-18.5	-18.5	0.11 (4)	10.00			
D-F	0 / 0	-18.5	-18.5	0.18 (4)	10.00			
F-C	0 / 0	-18.5	-18.5	0.19 (4)	10.00			

JT	FACTORED CONCENTRATED LOADS (LBS)		LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
	LOC.	LC1									
F	5-0-4	1	1	1	1	1	FRONT	VERT	TOTAL		C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

- THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2010, 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. (LI)	= L/360 (0.24")
CALCULATED VERT. DEFL. (LI)	= 1/999 (0.02")
ALLOWABLE DEFL. (TL)	= L/360 (0.24")
CALCULATED VERT. DEFL. (TL)	= 1/904 (0.10")

CSI: TO=0.21/1.00 (B-E:4), BC=0.19/1.00 (C-D:4), WB=0.00/1.00 (D-E:1), SS=0.15/1.00 (A-E:4)

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.

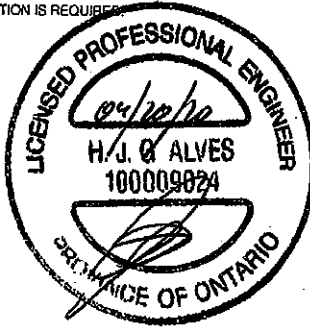
NAIL VALUES			
PLATE GRIP (DRY)	SHEAR	SECTION	
(PSI)	(PLI)	(PLI)	
MAX MIN	MAX MIN	MAX MIN	
MT20	618 354	1667 783	1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

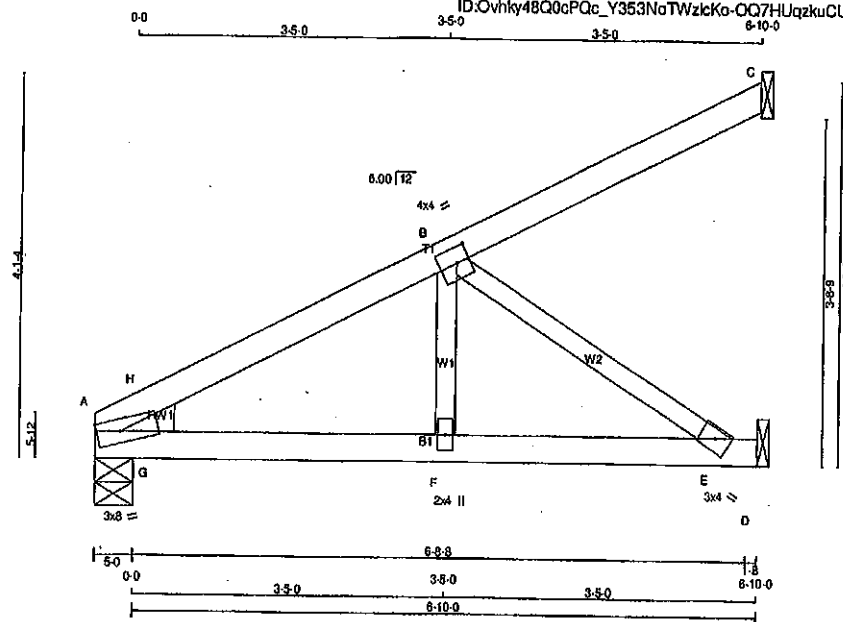
JSI GRIP = 0.07 (A) (INPUT = 0.80)

JSI METAL = 0.01 (A) (INPUT = 1.00)



Structural component only
DWG# T-2006484

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408165	J35	3	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.310 5 Oct 29 2019 Mitek Industries, Inc. File Apr 17 08:44:18 2020 Page 1	



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

PLATES (table in inches)	W	LEN	Y	X
JT TYPE PLATES				
A TBMH1-m MT20	3.0	8.0	Edge	
B TMWW-1 MT20	4.0	4.0	2.00	1.75
E BMW+w MT20	3.0	4.0		
F BMW+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	MAXIMUM FACTORED	INPUT	RECORD
GROSS REACTION	GROSS REACTION	8RG	8RG	HEEL
JT VERT HORZ	DOWN HORZ UPLIFT	IN-SX	IN-SX	WEDGE
A 400 0	400 0 0	5-0	5-0	2x4 L
C 125 0	125 0 0	1-8	1-8	
D 275 0	275 0 0	1-8	1-8	

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

UNFACTORED REACTIONS

JT	1ST LOASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
COMBINED							
A 283	185 / 0	0 / 0	0 / 0	0 / 0	97 / 0	0 / 0	0 / 0
C 88	89 / 0	0 / 0	0 / 0	0 / 0	17 / 0	0 / 0	0 / 0
D 196	116 / 0	0 / 0	0 / 0	0 / 0	80 / 0	0 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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	FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.	MAX. FACTORED	WEBS	MEMB.	MAX. FACTORED	FORCE	MAX
		(LBS)	(PLF)			(LC)	(LC)						(LBS)	(LC)
FR-TO			FROM TO					LENGTH	FR-TO					
A-H	-517 / 0	-91.8	-91.8	0.02 (1)	6.25	F-B	0 / 147	0.04 (4)						
H-B	-461 / 0	-91.8	-91.8	0.12 (1)	6.25	B-E	-518 / 0	0.13 (1)						
B-C	-14 / 0	-91.8	-91.8	0.11 (1)	6.25	G-H	-61 / 16	0.00 (1)						
A-G	0 / 424	-18.5	-18.5	0.13 (1)	10.00									
G-F	0 / 424	-18.5	-18.5	0.14 (1)	10.00									
F-E	0 / 424	-18.5	-18.5	0.24 (1)	10.00									
E-D	0 / 0	-18.5	-18.5	0.17 (1)	10.00									

TOTAL WEIGHT = 3 X 23 = 68 lb

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 5.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN./CG

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.24")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/860 (0.24")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CSI: TC=0.12/1.00 (B-H:1), BC=0.24/1.00 (E-F:1), WB=0.13/1.00 (B-E: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 1687 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.35 (E) (INPUT = 0.90)
JSI METAL= 0.19 (E) (INPUT = 1.00)



Structural component only
DWG# T-2006486

LUL/LUS/LJS/HUS/HHUS/HGUS**Standard and Double-Shear Joist Hangers**

This product is preferable to similar connectors because of a) easier installation, b) higher capacities, c) lower installed cost, or a combination of these features.

Most hangers in this series have double-shear nailing — an innovation that distributes the load through two points on each joist nail for greater strength. This allows for fewer nails, faster installation, and the use of all common nails for the same connection. (Do not bend or remove tabs)

Double-shear hangers range from the light capacity LUS hangers to the highest capacity HGUS hangers. For medium load truss applications, the HUS offers a lower cost alternative and easier installation than the HGUS hangers, while providing greater load capacity and bearing than the LUS.

Material: See table on pp. 258–259.

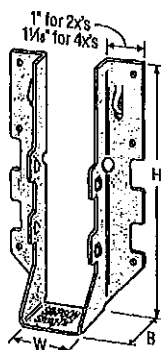
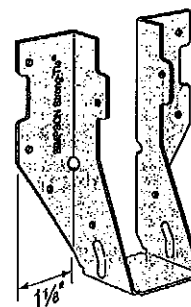
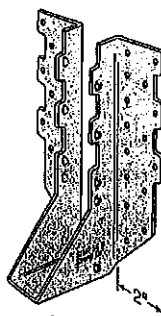
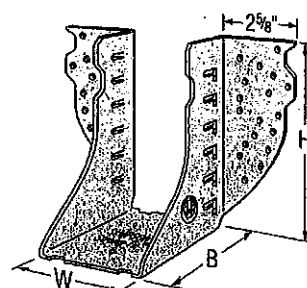
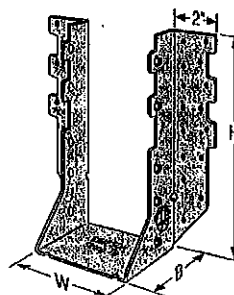
Finish: Galvanized. Some products available in stainless steel or ZMAX® coating; see Corrosion Information, pp. 20–24.

Installation:

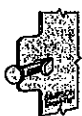
- Use all specified fasteners; see General Notes.
- Nails must be driven at an angle through the joist or truss into the header to achieve the tabulated resistances (except LUL).
- Where 16d commons are specified, 10d commons may be used at 0.83 of the tabulated factored resistance.
- Not designed for welded or nailer applications.
- With single ply 2x carrying members, use 10d x 1½" nails into the header and 10d commons into the joist, and reduce the resistance to 0.64 of the table value where 16d nails are specified and 0.77 where 10d nails are specified.

Options:

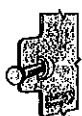
- LUS, LJS, LUL and HUS hangers cannot be modified.
- Other sizes available; consult your Simpson Strong-Tie representative.
- See Hanger Options information on p. 126.

**LUS28****LU26L****HUS210**
(HUS26, HUS28, and HHUS similar)**HGUS28-2****HHUS210-2**

Double-Shear Nailing Top View

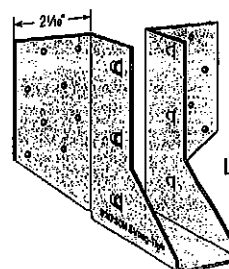
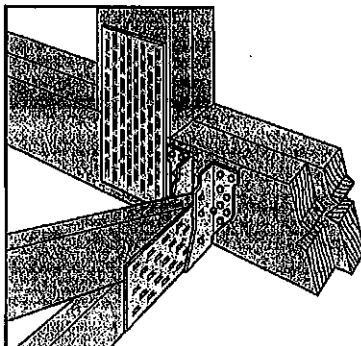


Double-Shear Nailing Side View; Do not bend tab



Dome Double-Shear Nailing Side View (available on some models) U.S. Patent 5,603,580

Typical HUS26 Installation with Reduced Heel Height
(Truss Designer to provide fastener quantity for connecting multiple members together)

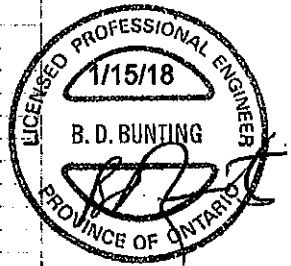
**LJS26DS**

Face-Mount Hangers

These products are available with additional corrosion protection. For more information, see p. 24.

These products are approved for installation with the Strong-Drive® SD Connector screw. See pp. 32–34 for more information.

Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance			
		W	H	B	d _a ³	Header	Joist	D-Fir-L		S-P-F	
								Uplift	Normal	Uplift	Normal
								(K _D = 1.15)	(K _D = 1.00)	(K _D = 1.15)	(K _D = 1.00)
								lb.	lb.	lb.	lb.
								kN	kN	kN	kN
Double 2x Sizes											
LUS24-2	18	3 1/4	3 1/4	2	1 1/2	(4) 16d	(2) 16d	835	2020	590	1435
								3.71	8.99	2.62	6.38
SS LUS26-2	18	3 1/4	4 1/4	2	4	(4) 16d	(4) 16d	1720	2595	1545	1920
								7.65	11.54	6.87	8.54
HHUS26-2	14	3 1/4	5 1/4	3	3 1/4	(14) 16d	(6) 16d	2850	7335	2065	5205
								12.68	32.63	9.20	23.16
HGUS26-2	12	3 1/4	5 1/4	4	4 1/4	(20) 16d	(8) 16d	4385	8950	3110	6355
								19.51	39.81	13.83	28.27
SS LUS28-2	18	3 1/4	7	2	4	(6) 16d	(4) 16d	1720	3325	1545	2575
								7.65	14.79	6.87	11.45
HHUS28-2	14	3 1/4	7 1/4	3	6 1/4	(22) 16d	(8) 16d	3765	8940	2675	6345
								16.75	39.77	11.90	28.22
HGUS28-2	12	3 1/4	7 1/4	4	8 1/4	(36) 16d	(12) 16d	6070	12980	4310	9215
								27.00	57.74	19.17	40.99
SS LUS210-2	18	3 1/4	9	2	6	(8) 16d	(6) 16d	2580	4500	2320	3195
								11.48	20.02	10.32	14.21
HHUS210-2	14	3 1/4	9 1/4	3	8	(30) 16d	(10) 16d	4670	9660	4235	7000
								20.77	42.97	18.84	31.14
HGUS210-2	12	3 1/4	9 1/4	4	8 3/4	(46) 16d	(16) 16d	6840	14015	4855	10270
								30.43	62.34	21.60	45.69
Triple 2x Sizes											
HGUS26-3	12	4 1/4	5 1/4	4	4 1/4	(20) 16d	(8) 16d	4385	8950	3110	6355
								19.51	39.81	13.83	28.27
HGUS28-3	12	4 1/4	7 1/4	4	6 1/4	(36) 16d	(12) 16d	6070	12980	4310	9215
								27.00	57.74	19.17	40.99
HHUS210-3	14	4 1/4	9	3	7 1/4	(30) 16d	(10) 16d	4670	9670	4235	6865
								20.77	43.02	18.84	30.54
HGUS210-3	12	4 1/4	9 1/4	4	8 3/4	(46) 16d	(16) 16d	6840	14645	4855	10400
								30.43	65.14	21.60	46.26
Quadruple 2x Sizes											
HGUS28-4	12	6 1/4	5 1/4	4	4 1/4	(20) 16d	(8) 16d	4385	8950	3110	6355
								19.51	39.81	13.83	28.27
HGUS28-4	12	6 1/4	7 1/4	4	6 1/4	(36) 16d	(12) 16d	6070	12980	4310	9215
								27.00	57.74	19.17	40.99
HHUS210-4	14	6 1/4	8 1/4	3	7 1/4	(30) 16d	(10) 16d	4670	10155	4235	7210
								20.77	45.17	18.84	32.07
HGUS210-4	12	6 1/4	9 1/4	4	8 1/4	(46) 16d	(16) 16d	6840	14645	4855	10400
								30.43	65.14	21.60	46.26
HGUS212-4	12	6 1/4	10 1/4	4	10 1/4	(56) 16d	(20) 16d	7640	14995	5425	10645
								33.98	66.70	24.13	47.35
HGUS214-4	12	6 1/4	12 1/4	4	11 1/4	(66) 16d	(22) 16d	10130	16400	7195	11645
								45.06	72.95	32.00	51.80
4x Sizes											
LUS46	18	3 1/4	4 1/4	2	3 1/4	(4) 16d	(4) 16d	1720	2595	1545	1920
								7.65	11.54	6.87	8.54
HHUS46	14	3 1/4	5 1/4	3	3 1/4	(14) 16d	(6) 16d	2540	7335	2065	5205
								11.30	32.63	9.20	23.16
HGUS46	12	3 1/4	5 1/4	4	4 1/4	(20) 16d	(8) 16d	4385	8950	3110	6355
								19.51	39.81	13.83	28.27
LUS48	18	3 1/4	6 1/4	2	3 3/4	(6) 16d	(4) 16d	1720	3325	1545	2575
								7.65	14.79	6.87	11.45
HHUS48	14	3 1/4	7 1/4	3	6 1/4	(22) 16d	(8) 16d	3765	8940	2675	6345
								16.75	39.77	11.90	28.22
HGUS48	12	3 1/4	7 1/4	4	6 3/4	(36) 16d	(12) 16d	6070	12980	4310	9215
								27.00	57.74	19.17	40.99
LUS410	18	3 1/4	8 1/4	2	5 1/4	(8) 16d	(6) 16d	2580	4500	2320	3195
								11.48	20.02	10.32	14.21
HGUS410	12	3 1/4	9	4	8 1/4	(46) 16d	(16) 16d	6840	14015	4855	10270
								30.43	62.34	21.60	45.69
HGUS412	12	3 1/4	10 1/4	4	10 1/4	(56) 16d	(20) 16d	7640	14995	5425	10645
								33.98	66.70	24.13	47.35
HGUS414	12	3 1/4	12 1/4	4	11 1/4	(66) 16d	(22) 16d	10130	16400	7195	11645
								45.06	72.95	32.00	51.80



Plated Truss Connectors

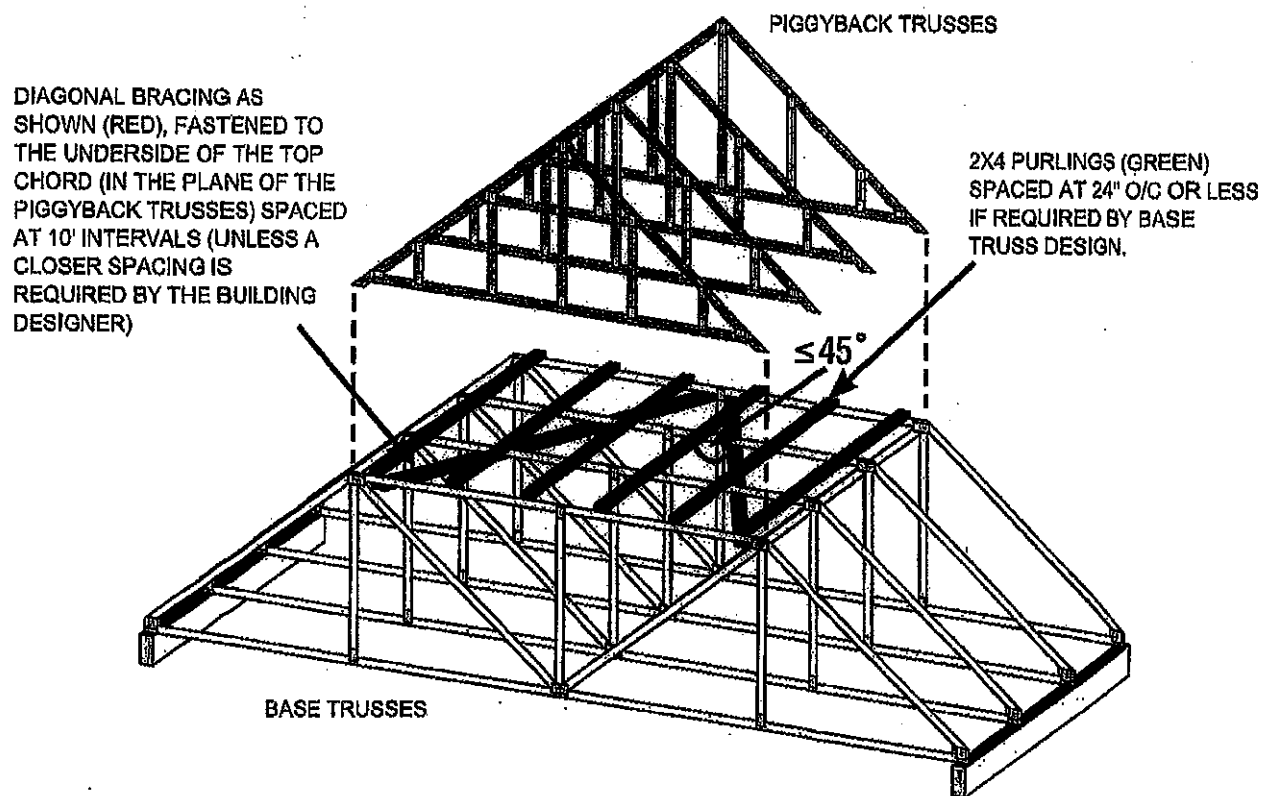
See footnotes on p. 258.

Overview:

Where piggybacks are connected overtop of base trusses, 2x4 purlins must be first added to the flat portion of the base truss at a spacing no more than 24" o/c. These purlins not only provide support for the piggyback trusses above, but are required to laterally support the top chord of the base truss which will not have the sheathing directly connected to the flat portion of the base truss. This ensures the top chord, most often in compression, will not buckle laterally.

Further, the purlins in the plane of the flat portion require diagonal bracing to prevent lateral displacement of the purlins themselves where under certain conditions, the trusses may in fact all buckle in the same direction if this additional bracing is not added in the plane of the purlins.

Detail:



NOTE: THE SLOPED PORTION OF THE TOP CHORD OF THE BASE TRUSS AND PIGGYBACK TRUSS IN THIS SKETCH IS ASSUMED TO BE SHEATHED IN ACCORDANCE WITH THE OBC.

SKETCH FROM BCSI-CANADA 2013

Disclaimer:

OWTFA Tech Notes are intended to provide guidance to the design community both within the membership as well as to third party designers who might benefit from the information. The details have been developed by the OWTFA technical committee and although there may be professional engineers involved in development, the information contained in the tech-note are not intended to be used without having a professional engineer review the information for a specific application. The OWTFA takes no responsibility with respect to the information provided but has developed this tech-note to offer guidance where it is not currently readily available.

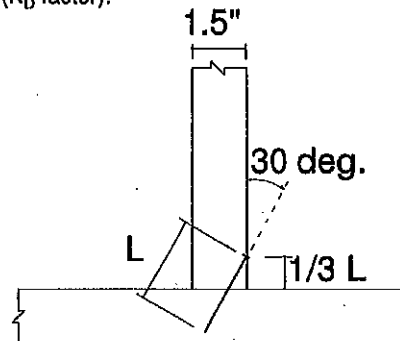
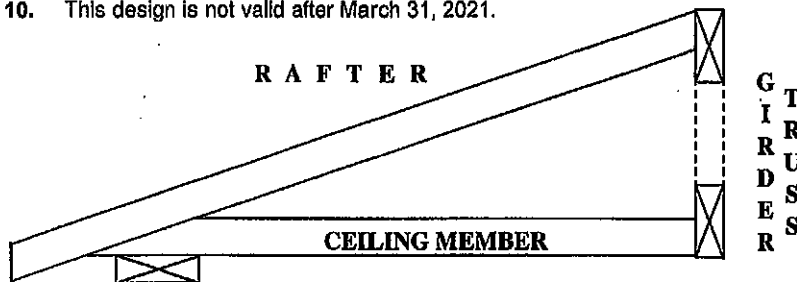
BEARING ANCHORAGE BY TOE-NAILS FOR LATERAL CAPACITY

B97791H1

NAIL TYPE	LENGTH (IN)	DIAMETER (IN)	NAIL LATERAL CAPACITY (LB)	
			S-P-F	D. FIR
COMMON WIRE	3.00	0.144	132	147
	3.25	0.144	132	147
	3.50	0.160	159	177
COMMON SPIRAL	3.00	0.122	97	108
	3.25	0.122	97	108
	3.50	0.152	145	162

NOTES:

1. Rafter and ceiling members may be anchored to top and bottom chords of girder truss by toe-nailing rafter and ceiling members to girder chords provided the reaction does not exceed the lateral capacities in the table. Hangers (specified by others) are required for reactions higher than the maximum toe-nail capacity. Reactions are based on factored loads.
2. Toe nail capacities shown in the table are for **one** toe-nail. For additional toe-nails multiply values in table by the number of toe-nails used. Toe-nail capacities take into account toe-nailing factor J_A in CSA O86-14, section 12.9.4.1.
3. For 9- 3/4 gauge 3.25" common wire gun nails (diameter = 0.120") use 3" common spiral nail values.
4. Maximum number of toe-nails allowed depends on the lumber size & species to be toe-nailed to supporting member and nail diameter, as shown in tables below.
5. Nail values in table are based on the following relative lumber densities: G = 0.42 (SPF), G = 0.49 (D. Fir).
6. Toe-nails shall be driven at approximately 1/3 the nail length from the edge of the joist/truss chord and driven at an angle of 30° to the grain of the member (See next page for nailing on bearing plate).
7. For loads due to wind the nail lateral capacity in this table may be multiplied by 1.15 (K_D factor).
8. Lumber must be dry (< 19% moisture content) at the time of nail installation.
9. Nail values in this table comply with CSA O86-14, section 12.9.4
10. This design is not valid after March 31, 2021.



TOE-NAIL INSTALLATION

Nail type	Common wire	Common spiral	Common wire	Common spiral
Nail dia. (in)	0.160	0.152	0.144	0.122
	(3.5" nail)		(3" and 3.25" nail)	
LUMBER SIZE	MAXIMUM NUMBER OF TOE-NAILS			
2X4 SPF	2	2	3	3
2X4 D. Fir	2	2	2	2
2X6 SPF	4	4	4	5
2X6 D. Fir	3	3	3	4

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December 2, 2019

BEARING ANCHORAGE BY TOE-NAILS FOR WIND LOADING

B97791H2

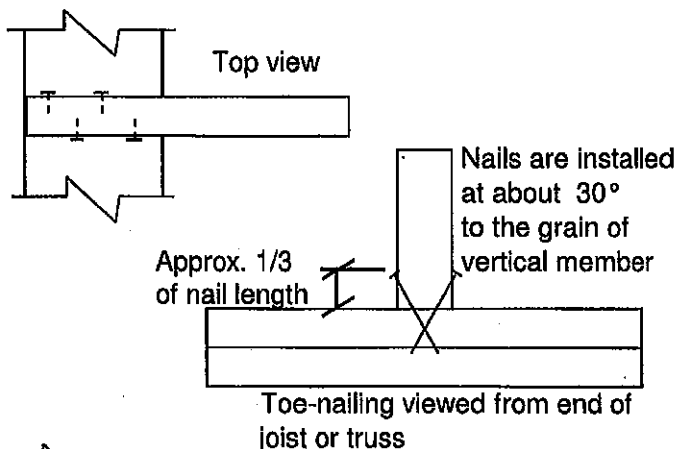
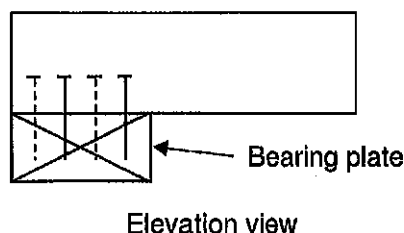
NAIL TYPE	LENGTH (IN)	DIAMETER (IN)	NAIL WITHDRAWAL CAPACITY (LB)	
			S-P-F	D. FIR
COMMON WIRE	3.00	0.144	30	42
	3.25	0.144	32	45
	3.50	0.160	38	52
COMMON SPIRAL	3.00	0.122	26	36
	3.25	0.122	28	40
	3.50	0.152	36	50

Note: If using truss with D. Fir lumber and S-P-F bearing plate, use values in table for S-P-F.

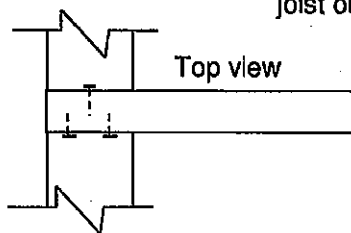
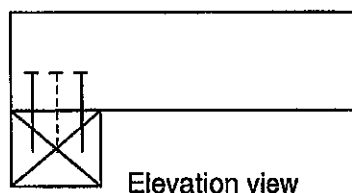
NOTES:

1. Truss chord, rafter, or ceiling members may be anchored to bearing plate by toe-nails, provided that the actual factored uplift force due to **wind** or **earthquake** load does not exceed the withdrawal capacities in the table. Hangers (specified by others) are required for uplift forces that are higher than the maximum toe-nail withdrawal capacity.
2. Toe nail capacities shown in the table are for **one** toe-nail. For additional toe-nails multiply values in table by the number of toe-nails used. Toe-nail capacities take into account toe-nailing factor J_A in CSA O86-14, section 12.9.5.2.
3. For 9- 3/4 gauge 3.25" common wire gun nails (diameter = 0.120") use 3" common spiral nail values.
4. Maximum number of toe-nails allowed depends on the lumber size & species to be toe-nailed to supporting member and nail diameter, as shown in table above.
5. Nail values in table are based on the following relative lumber densities: $G = 0.42$ (SPF), $G = 0.49$ (D. Fir).
6. Toe-nails shall be driven at approximately 1/3 the nail length from the edge of the joist/truss chord and driven at an angle of 30° to the grain of the member (See drawing on detail B37579H1).
7. Lumber must be dry (< 19% moisture content) at the time of nail installation.
8. Nail values in this table comply with CSA O86-14, section 12.9.5
9. This design is not valid after March 31, 2021.

Toe-nailing on 2x6 Bearing Plate



Toe-nailing on 2x4 Bearing Plate

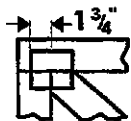


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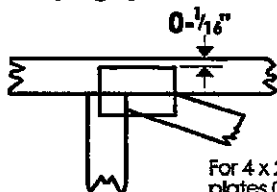
December 2, 2019

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths or mm. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0-1/8" from outside edge of truss.



This symbol indicates the required direction of slots in connector plates.

*Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

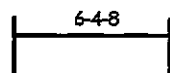


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

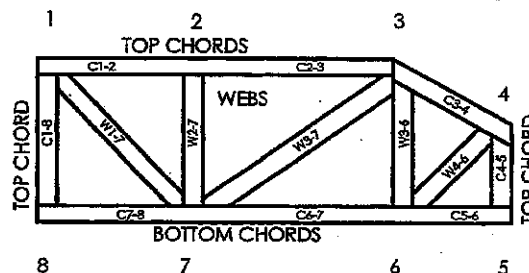
Industry Standards:

- TPIC: Truss Design Procedures and Specifications for Light Metal Plate Connected Wood Trusses
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



dimensions shown in ft-in-sixteenths or mm (Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

CCMC Reports:

11996-L, 10319-L, 13270-L, 12691-R

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MiTek Engineering Reference Sheet: MII-7473C rev. 10-'08

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by TPIC.
7. Design assumes trusses will be suitably protected from the environment in accord with TPIC.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with TPIC Quality Criteria.



Alves Engineering Services Inc.

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(289) 259 5455

RESPONSABILITIES

- 1-Alves Engineering Services Inc. is responsible for the design of trusses as individual components
- 2-It is the responsibility of others to ascertain that the design loads utilized on this drawing meet or exceed the actual dead load imposed by the structure and the live load imposed by the local building code or the authorities having jurisdictions.
- 3- All dimensions are to be verified by owner, contractor, architect or other authority before manufacture.
- 4- Alves Engineering Services Inc. bears no responsibility for the erection of the trusses. Persons erecting trusses are cautioned to seek professional advice regarding temporary and permanent bracing system. Bracing shown on Alves Engineering Services Inc. drawings is specified for the truss as a single component and forms an integral part of the truss design, but is not meant to represent the only required bracing for that truss when trusses are installed in a series of trusses forming a roof truss system.
- 5- It is the manufacturer's responsibility to ensure that the trusses are manufactured in conformance with Alves Engineering Services Inc. specifications outlined below.

SPECIFICATIONS

- 1-Truss components sealed by Alves Engineering Services Inc. conform to the relevant sections of the current Building Code of Ontario and Canada (part 4 or part 9) or the current Canadian code for Farm Buildings in accordance with the application specified on the sealed truss component drawing. All truss component design procedures must conform to the current design standard issued by the truss plate institute of Canada (TPIC). All lumber and nailing stresses to conform to the current CSA wood design standard identified on the current Building Code and TPIC.
- 2- Lumber is to be the sizes and grade specified on the truss drawing.
- 3- Moist content of lumber is not to exceed 19% in service unless otherwise specified.
- 4- Plates shall be applied to both faces of the each truss joint and shall be positioned as shown on the truss drawings
- 5- Lumber used on manufacture of trusses is not to be treated with chemicals unless otherwise specified on the truss drawings.
- 6- The top chord is assumed to be continuously laterally braced by the roof sheathing or purlins at intervals specified on the truss drawing but not exceeding 24" c/c for (part 9) and not exceeding 48" for (part 4 or farm design)
- 7- When rigid ceiling is not attached directly to the bottom chord, lateral bracing is required and it should not exceed more than 3m or 10' intervals.
- 8-Refer to Mittek sheet MII7473C REV.10-08 attached for information on symbols, numbering system and General Safety notes.

T-1800218

Feb 09, 2018