

CITY OF HAMILTON

Building Division

Permit No. 20-199448

THESE STAMPED DRAWINGS SHALL BE AVAILABLE ON SITE

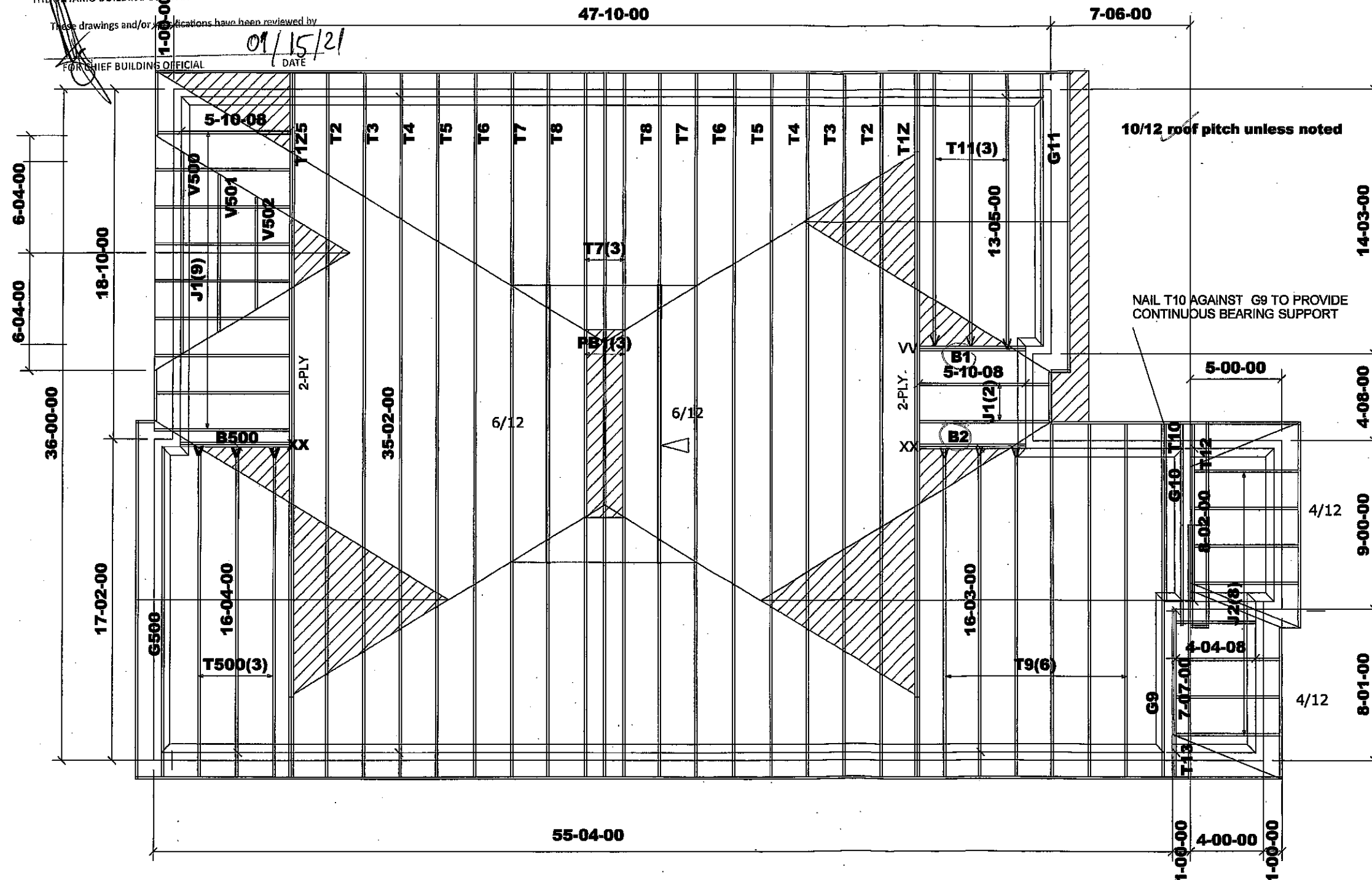
THE OWNER AND/OR CONTRACTOR SHALL COMPLY WITH
THE ONTARIO BUILDING CODE AND ALL OTHER APPLICABLE LAW

These drawings and/or specifications have been reviewed by

FOR CHIEF BUILDING OFFICIAL

DATE

01/15/21



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

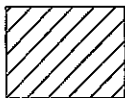
All conventional framing to conform with
Part 9 of O.B.C. 2012 (2019 amendment).
Roof rafters that cross over or meet trusses
to be min. 2x4 SPF #2 @ 24" o/c with a
vertical post to the truss at each cross
point. Vertical posts longer than 6' to have
lateral bracing so that the distance between
the post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

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

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

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

BEAMS:
B1= B2= B500=
2-2x10 SPF #2

 DENOTES:
CONVENTIONAL
FRAMING



Job Track: 51225
Plan Log: 202406
Layout ID: 412345

Builder / Location:
GREEN PARK HOMES / WATERDOWN
Project: **RUSSELL GARDENS PH.3**
Date: 2020-09-02 Sales: Mario DiCano Designer: JG

Model / Elevation:
MOUNTAINASH 5-016 / 1-REAR UPGRADE

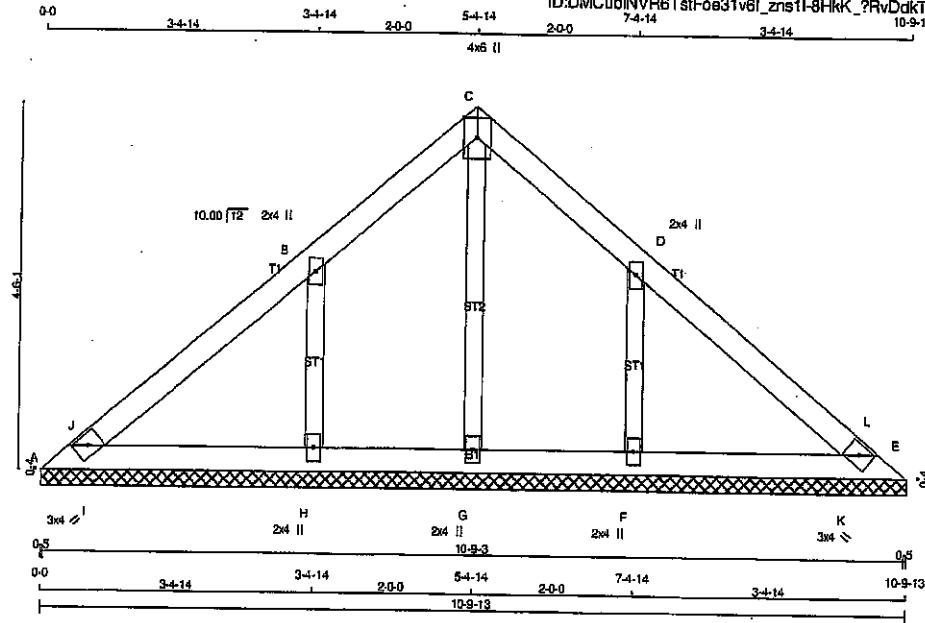
Mitek ver 8.3.3.247

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TAMARACK ROOF TRUSSES INC AND WILL BE RETRACTED BY TAMARACK ROOF TRUSSES INC IF UTILIZED FOR ANY OTHER PURPOSE.

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
412345	V500	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.330 S May 6 2020 MTek Industries, Inc. Mon Aug 31 10:24:32 2020 Page 1
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TOTAL WEIGHT = 34 lb

LUMBER

N. L. G. A. RULES

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

ALL WEBS 2x3 DRY
DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TBM1-h	MT20	3.0	4.0		
B	TTW-w	MT20	2.0	4.0		
C	TTW-p	MT20	4.0	6.0	Edge	
D	TTW-w	MT20	2.0	4.0		
E	TBM1-h	MT20	3.0	4.0		
F, G, H						
F	BMW1-w	MT20	2.0	4.0		

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
A	108	0	108	0	10-9-13 (10-9-13)	10-9-13
E	108	0	108	0	10-9-13 (10-9-13)	10-9-13
G	219	0	219	0	10-9-13 (10-9-13)	10-9-13
H	378	0	378	0	10-9-13 (10-9-13)	10-9-13
F	378	0	378	0	10-9-13 (10-9-13)	10-9-13

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	MAX./MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
A	76	52 / 0	0 / 0	0 / 0	0 / 0	24 / 0	0 / 0
E	76	52 / 0	0 / 0	0 / 0	0 / 0	24 / 0	0 / 0
G	158	97 / 0	0 / 0	0 / 0	0 / 0	59 / 0	0 / 0
H	266	175 / 0	0 / 0	0 / 0	0 / 0	91 / 0	0 / 0
F	266	175 / 0	0 / 0	0 / 0	0 / 0	91 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-J	0 / 60	-91.8 -91.8 0.02 (4)	10.00	G-C	-232 / 0	0.07 (1)	
J-B	0 / 92	-91.8 -91.8 0.11 (1)	10.00	H-B	-273 / 0	0.05 (1)	
B-C	0 / 63	-91.8 -91.8 0.11 (1)	10.00	F-D	-273 / 0	0.05 (1)	
C-D	0 / 63	-91.8 -91.8 0.11 (1)	10.00	I-J	-98 / 2	0.00 (1)	
D-L	0 / 92	-91.8 -91.8 0.11 (1)	10.00	K-L	-98 / 2	0.00 (1)	
L-E	0 / 60	-91.8 -91.8 0.02 (4)	10.00				
A-I	-74 / 0	-18.5 -18.5 0.07 (1)	6.25				
I-H	-55 / 0	-18.5 -18.5 0.07 (1)	6.25				
H-G	-68 / 0	-18.5 -18.5 0.05 (1)	6.25				
G-F	-66 / 0	-18.5 -18.5 0.05 (1)	6.25				
F-K	-55 / 0	-18.5 -18.5 0.07 (1)	6.25				
K-E	-74 / 0	-18.5 -18.5 0.07 (1)	6.25				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN./C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- 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=0.11/1.00 (D-L:1), BC=0.07/1.00 (F-K:1), WB=0.07/1.00 (C-G:1), SS=0.09/1.00 (D-L:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP (DRY)	SHEAR SECTION (PSI)	(PL)	(PL)
MT20	650	371	1747
	788	1997	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.19 (B) (INPUT = 0.80)
JSI METAL= 0.15 (B) (INPUT = 1.00)

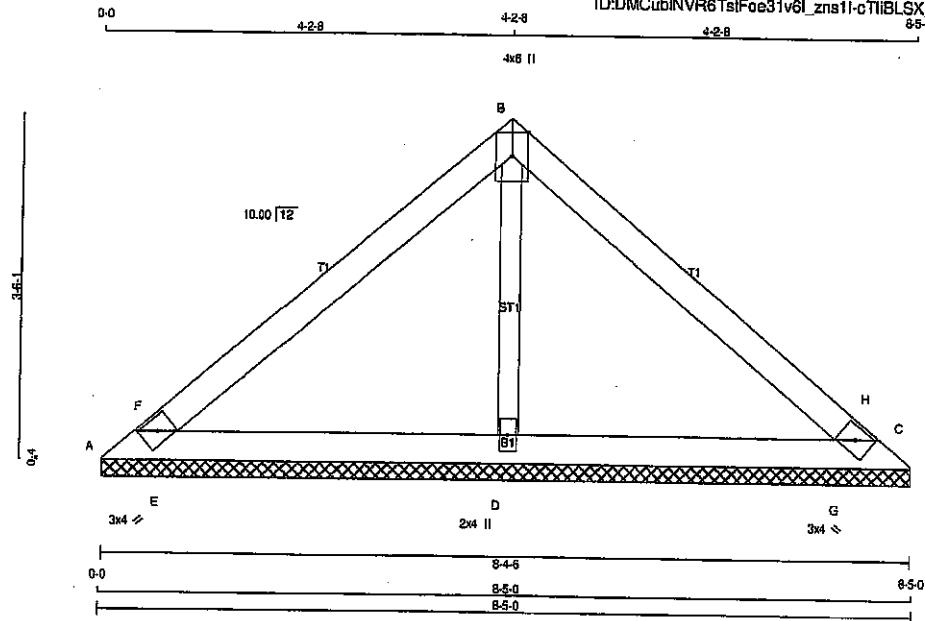


Structural component only
DWG# T-2019651

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
412345	V501	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

Version 8.330 S May 6 2020 Mitek Industries, Inc. Mon Aug 31 10:24:33 2020 Page 1
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Scale = 1:21.7

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	DRY	LUMBER
A - B	2x4	DRY	No.2
B - C	2x4	DRY	No.2
A - C	2x4	DRY	No.2

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

DESCR.
SPF
SPF
SPF
SPF

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TBM1-h	MT20	3.0	4.0		
B	TTW+p	MT20	4.0	6.0	Edge	
C	TBM1-h	MT20	3.0	4.0		
D	BMW1-w	MT20	2.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ
A	56	0	56	0
C	56	0	56	0
D	811	0	811	0

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
A	39	26/0	0/0	0/0	0/0	0/0	13/0	0/0
C	39	26/0	0/0	0/0	0/0	0/0	13/0	0/0
D	574	376/0	0/0	0/0	0/0	0/0	198/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-F	0/269	-91.8 -91.8	0.11 (1)	D-B	-824/0	0.12 (1)	
F-B	0/249	-91.8 -91.8	0.20 (1)	E-F	-234/0	0.00 (1)	
B-H	0/249	-91.8 -91.8	0.20 (1)	G-H	-234/0	0.00 (1)	
H-C	0/269	-91.8 -91.8	0.11 (1)				
A-E	-239/0	-18.5 -18.5	0.15 (1)				
E-D	-199/0	-18.5 -18.5	0.15 (1)				
D-G	-199/0	-18.5 -18.5	0.15 (1)				
G-C	-239/0	-18.5 -18.5	0.15 (1)				

TOTAL WEIGHT = 23 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	= 38.0 PSF

SPACING = 24.0 IN/C

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

THIS DESIGN COMPLIES WITH:

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

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

CSI: TC=0.20/1.00 (B-F:1), BC=0.15/1.00 (D-E:1), WB=0.12/1.00 (B-D:1), SSI=0.13/1.00 (A-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

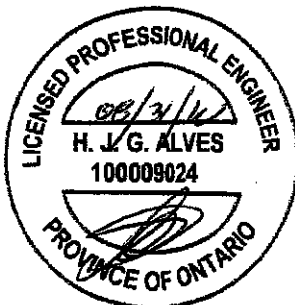
NAIL VALUES

PLATE	GRIP (DRY)	SHEAR (PSI)	SECTION (PL)
MT20	650	371	1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

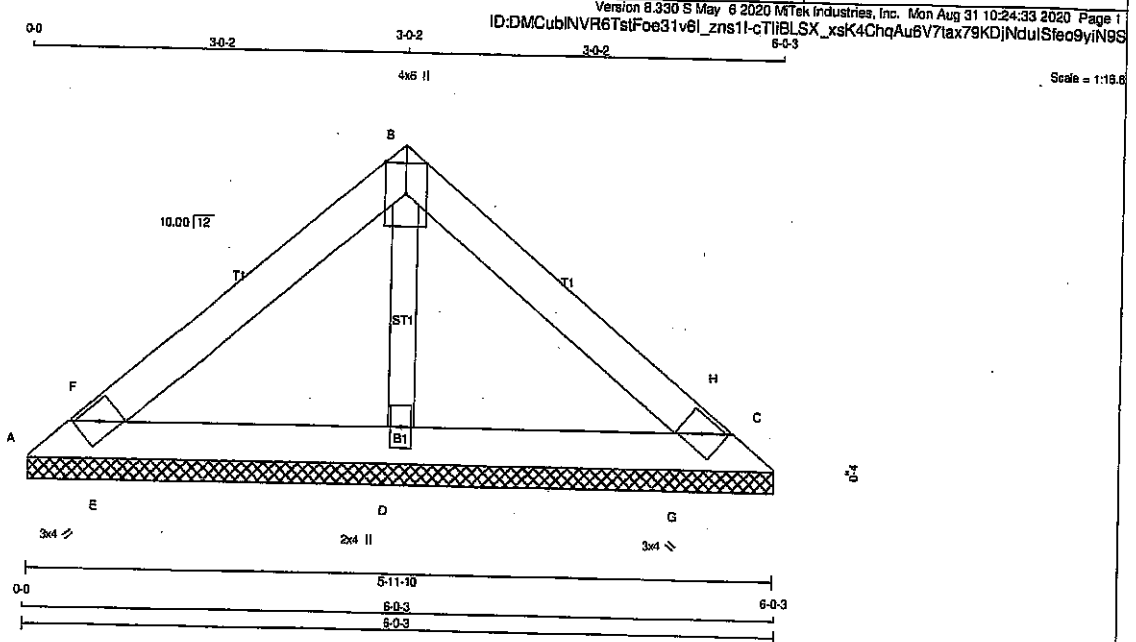
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.31 (D) (INPUT = 0.90)
JSI METAL= 0.13 (D) (INPUT = 1.00)



Structural component only
DWG# T-2019652

JOB NAME 412345	TRUSS NAME V502	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



LUMBER

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

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
A - TBM1-h	MT20	3.0	4.0		
B - TTW-p	MT20	4.0	6.0	Edge	
C - TBM1-h	MT20	3.0	4.0		
D - BMW1-w	MT20	2.0	4.0		

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

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

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
A	79	0	79	0	0	5-11-10	5-11-10
C	79	0	79	0	0	5-11-10	5-11-10
D	500	0	500	0	0	5-11-10	5-11-10

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
A	55	38.0	0.0	0.0	0.0	0.0	18.0	0.0
C	55	38.0	0.0	0.0	0.0	0.0	18.0	0.0
D	354	230.0	0.0	0.0	0.0	0.0	124.0	0.0

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

BRACING

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

MAX. UNBRACED BOTTOM CHORD LENGTH = 6.25 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-F	0 / 115	-91.8 -91.8	0.04 (1)	10.00	D-B	-353.0	0.06 (1)
F-B	0 / 115	-91.8 -91.8	0.09 (1)	10.00	E-F	-138.0	0.00 (1)
B-H	0 / 115	-91.8 -91.8	0.09 (1)	10.00	G-H	-138.0	0.00 (1)
H-C	0 / 115	-91.8 -91.8	0.04 (1)	10.00			
A-E	-113.0	-18.5 -18.5	0.09 (1)	6.25			
E-D	-91.0	-18.5 -18.5	0.09 (1)	6.25			
D-G	-91.0	-18.5 -18.5	0.09 (1)	6.25			
G-C	-113.0	-18.5 -18.5	0.09 (1)	6.25			

DESIGN CRITERIA

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

SPACING = 24.0 IN CG

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- 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=0.09/1.00 (B-H:1), BC=0.09/1.00 (D-G:1), WB=0.06/1.00 (B-D:1), SSI=0.08/1.00 (A-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

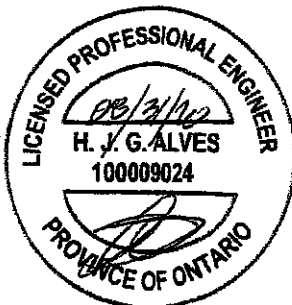
PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	650 371	1747 788 1987 1873

PLATE PLACEMENT TOL = 0.250 inches

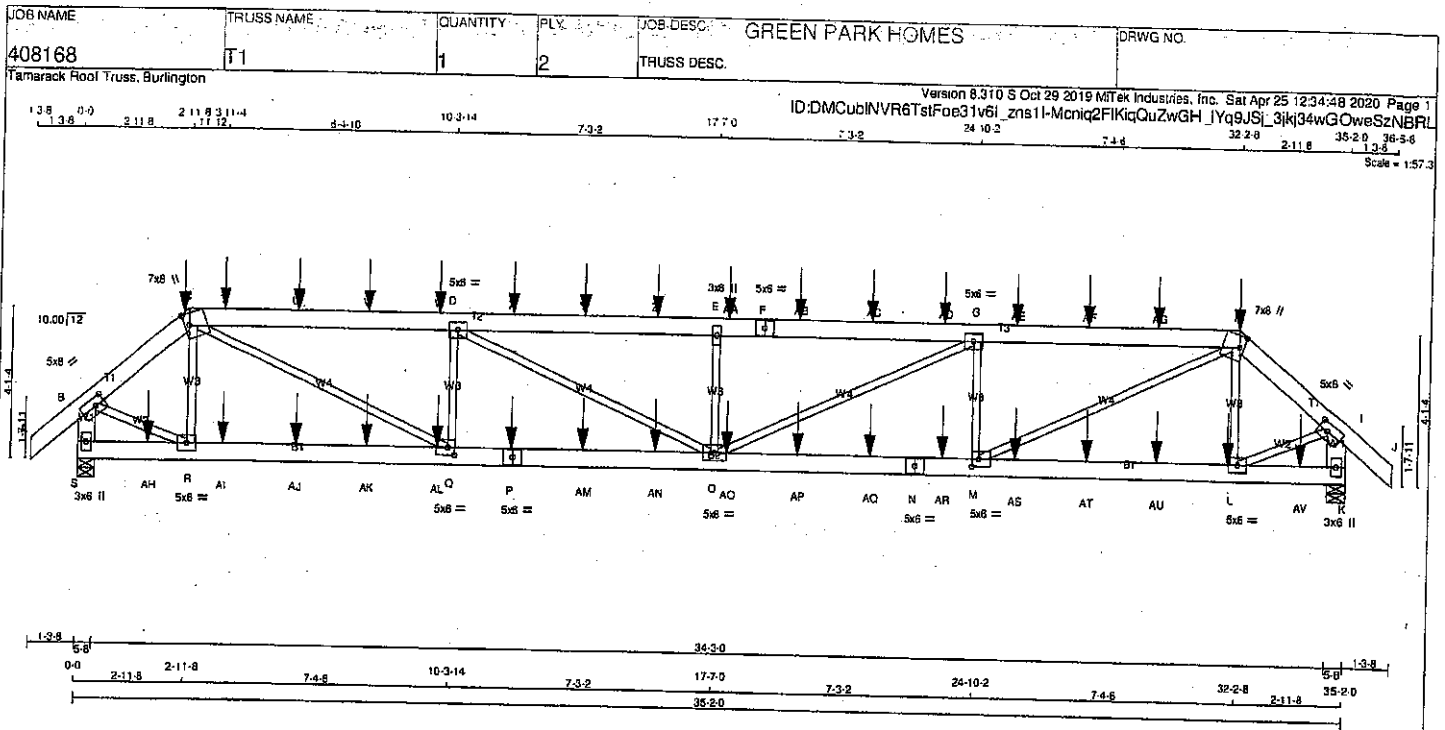
PLATE ROTATION TOL = 5.0 Deg.

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

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



Structural component only
DWG# T-2019653



LUMBER	SIZE	DRY	LUMBER	DESCR.
N. L. G. A. RULES				
CHORDS				
A - C	2x8	DRY	No.2	SPF
C - F	2x8	DRY	No.2	SPF
F - H	2x8	DRY	No.2	SPF
H - J	2x8	DRY	No.2	SPF
S - B	2x8	DRY	No.2	SPF
K - I	2x8	DRY	No.2	SPF
S - P	2x8	DRY	2100F 1.8E	SPF
P - N	2x8	DRY	2100F 1.8E	SPF
N - K	2x8	DRY	2100F 1.8E	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-C	2	SIDE(122.0)
C-F	2	SIDE(81.0)
F-H	2	SIDE(81.0)
H-J	2	SIDE(122.0)
S-B	2	TOP
K-I	2	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
S-P	2	SIDE(0.0)
P-N	2	SIDE(0.0)
N-K	2	SIDE(197.8)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	1	6

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	IN-SX	IN-SX
S	3330	0	0	5-8
K	3379	0	0	5-8

UNFACTORED REACTIONS	1ST LOASE	MAX/MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
JT	COMBINED	LIVE	PERM.LIVE		
S	2354	1553 / 0	0 / 0	801 / 0	0 / 0
K	2398	1572 / 0	0 / 0	818 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS			FACTORED			WEBS			
MEMB.	FORCE (LBS)	VERT. LOAD C/L	MAX (PLF)	MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX FACTORED CSI (LC)	
FR-TO			FROM	TO		FR-TO			
A-B	0 / 42		-91.8	-91.8	0.04 (1)	10.00	R-C	-650 / 0	0.08 (1)
B-C	-3367 / 0		-91.8	-91.8	0.05 (1)	6.02	C-Q	0 / 4509	0.56 (1)
C-T	-6802 / 0		-91.8	-91.8	0.38 (1)	4.31	Q-D	-1799 / 0	0.22 (1)
T-U	-6802 / 0		-91.8	-91.8	0.38 (1)	4.31	D-O	0 / 1370	0.17 (1)
U-V	-6802 / 0		-91.8	-91.8	0.38 (1)	4.31	O-E	-987 / 0	0.12 (1)
V-W	-6802 / 0		-91.8	-91.8	0.38 (1)	4.31	E-G	0 / 1362	0.17 (1)
W-D	-6802 / 0		-91.8	-91.8	0.38 (1)	4.31	M-G	-1787 / 0	0.21 (1)
D-X	-7826 / 0		-91.8	-91.8	0.42 (1)	3.98	M-H	0 / 4481	0.55 (1)
X-Y	-7826 / 0		-91.8	-91.8	0.42 (1)	3.98	L-H	-861 / 0	0.08 (1)
Y-Z	-7826 / 0		-91.8	-91.8	0.42 (1)	3.98	B-R	0 / 2736	0.34 (1)
Z-E	-7826 / 0		-91.8	-91.8	0.42 (1)	3.98	L-I	0 / 2771	0.34 (1)
E-AA	-7826 / 0		-91.8	-91.8	0.42 (1)	3.98			
AA-F	-7826 / 0		-91.8	-91.8	0.42 (1)	3.98			
F-AB	-7826 / 0		-91.8	-91.8	0.42 (1)	3.98			
AB-AC	-7826 / 0		-91.8	-91.8	0.42 (1)	3.98			
AC-AD	-7826 / 0		-91.8	-91.8	0.42 (1)	3.98			
AD-G	-7826 / 0		-91.8	-91.8	0.42 (1)	3.98			
G-AE	-8908 / 0		-91.8	-91.8	0.38 (1)	4.31			
AE-AF	-8908 / 0		-91.8	-91.8	0.38 (1)	4.31			
AF-AG	-8908 / 0		-91.8	-91.8	0.38 (1)	4.31			
AG-H	-8908 / 0		-91.8	-91.8	0.38 (1)	4.31			
H-I	-3410 / 0		-91.8	-91.8	0.05 (1)	6.00			
I-J	0 / 42		-91.8	-91.8	0.04 (1)	10.00			
J-B	-3375 / 0		0.0	0.0	0.12 (1)	7.58			
K-I	-3414 / 0		0.0	0.0	0.12 (1)	7.55			

S-AH	0 / 0	-18.5	-18.5	0.05 (4)	10.00
AH-R	0 / 0	-18.5	-18.5	0.05 (4)	10.00
R-AI	0 / 2553	-18.5	-18.5	0.12 (1)	10.00
AI-AJ	0 / 2553	-18.5	-18.5	0.12 (1)	10.00
AJ-AK	0 / 2553	-18.5	-18.5	0.12 (1)	10.00
AK-AL	0 / 2553	-18.5	-18.5	0.12 (1)	10.00
AL-Q	0 / 2553	-18.5	-18.5	0.12 (1)	10.00
Q-P	0 / 6802	-18.5	-18.5	0.22 (1)	10.00
P-AM	0 / 6902	-18.5	-18.5	0.22 (1)	10.00
AM-AN	0 / 6802	-18.5	-18.5	0.22 (1)	10.00
AN-O	0 / 6802	-18.5	-18.5	0.22 (1)	10.00
O-AP	0 / 6909	-18.5	-18.5	0.22 (1)	10.00
AP-AQ	0 / 6809	-18.5	-18.5	0.22 (1)	10.00
AQ-N	0 / 6809	-18.5	-18.5	0.22 (1)	10.00
N-AR	0 / 6809	-18.5	-18.5	0.22 (1)	10.00
AR-M	0 / 6809	-18.5	-18.5	0.22 (1)	10.00

TOTAL WEIGHT = 2 X 183 = 365 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 = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

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

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

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

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

ALLOWABLE DEFL.(LL) = 1/360 (1.17)
CALCULATED VERT. DEFL.(LL) = 1/999 (0.20")
ALLOWABLE DEFL.(TL) = 1/360 (1.17)
CALCULATED VERT. DEFL.(TL) = 1/999 (0.37")

CSF: TC=0.42/1.00 (D-E:1), BC=0.22/1.00 (O-Q:1), WB=0.56/1.00 (C-Q:1), SS=0.22/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

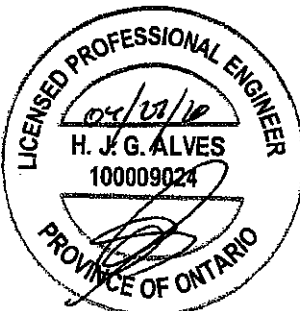
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (H) INPUT = 0.90
JSI METAL= 0.65 (N) INPUT = 1.00

CONTINUED ON PAGE 2



Structural component only
DWG# T-2007129 1/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408168	T1	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6I zns1-Mch1q2FIKqQuZwGH Yq9JSI 3jk34wGOweSzNBRL

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW-I	MT20	5.0	8.0	2.50	3.25
C	TTWW+m	MT20	7.0	8.0	3.75	1.50
D	TMWW-I	MT20	5.0	6.0		
E	TMW+w	MT20	3.0	6.0		
F	TS-I	MT20	5.0	6.0		
G	TMWW-I	MT20	5.0	6.0		
H	TTWW+m	MT20	7.0	8.0	3.75	1.50
I	TMWW-I	MT20	5.0	8.0	2.50	3.25
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-I	MT20	5.0	6.0		
M	BMWW-I	MT20	5.0	6.0	2.50	2.25
N	BS-I	MT20	5.0	8.0		
O	BMWW-I	MT20	5.0	8.0		
P	BS-I	MT20	5.0	6.0		
Q	BMWW-I	MT20	5.0	6.0	2.50	2.25
R	BMWW-I	MT20	5.0	8.0		
S	BMV1+p	MT20	3.0	6.0		

LOADING

TOTAL LOAD CASES: (4)

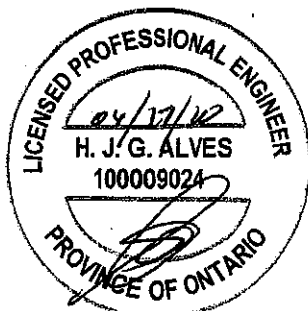
CHORDS				WEBS			
MEMB.		MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MAX. UNBRAC LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO							
M-AS	0 / 2586	-18.5	-18.5	0.12 (1)	10.00		
AS-AT	0 / 2586	-18.5	-18.5	0.12 (1)	10.00		
AT-AU	0 / 2586	-18.5	-18.5	0.12 (1)	10.00		
AU-L	0 / 2586	-18.5	-18.5	0.12 (1)	10.00		
L-AV	0 / 0	-18.5	-18.5	0.05 (1)	10.00		
AV-K	0 / 0	-18.5	-18.5	0.05 (1)	10.00		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	2-11-8	-38	-42	---	FRONT	VERT	DEAD	---	C1
C	2-11-8	-191	-191	---	FRONT	VERT	SNOW	---	C1
H	32-2-8	-38	-42	---	FRONT	VERT	DEAD	---	C1
H	32-2-8	-116	-116	---	FRONT	VERT	TOTAL	---	C1
H	32-2-8	-191	-191	---	FRONT	VERT	SNOW	---	C1
L	31-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
P	11-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
T	3-11-4	-111	-111	---	FRONT	VERT	TOTAL	---	C1
U	5-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
V	7-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
W	9-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
X	11-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Y	13-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Z	15-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AA	17-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AB	19-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AC	21-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AD	23-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AE	25-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AF	27-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AG	29-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AH	1-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AI	3-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AJ	5-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AK	7-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AL	9-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AM	13-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AN	15-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AO	17-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AP	19-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AQ	21-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AR	23-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AS	25-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AT	27-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AU	29-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AV	33-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

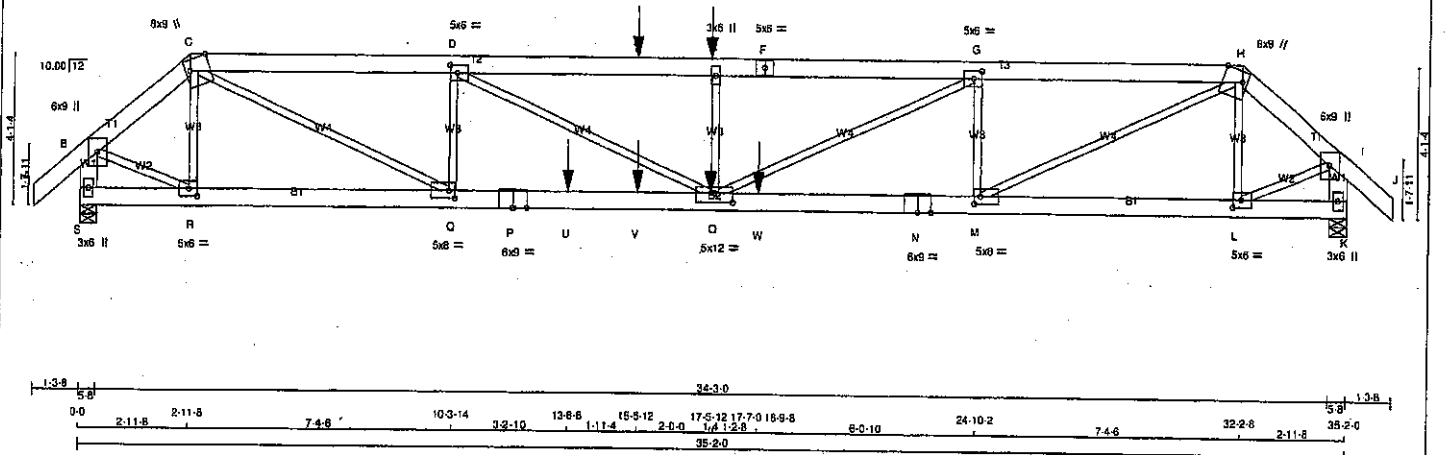
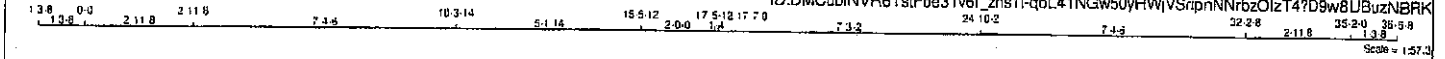


Structural component only
DWG# T-2007129

JOB NAME 408168	TRUSS NAME T1Z	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe3Iv6I_zns1I-qoL4INGw50yHWjVSrpnNNrbzOlT4?D9w8UBuzNBRK



LUMBER	CHORDS	SIZE	DRY	LUMBER	DESCR.
N. L. G. A. RULES	A - C	2x6	DRY	No.2	SPF
	C - F	2x6	DRY	No.2	SPF
	F - H	2x6	DRY	No.2	SPF
	H - J	2x6	DRY	No.2	SPF
	J - K	2x6	DRY	No.2	SPF
	K - L	2x6	DRY	No.2	SPF
	L - M	2x6	DRY	No.2	SPF
	M - N	2x6	DRY	No.2	SPF
	N - K	2x6	DRY	No.2	SPF
	ALL WEBS	2x3	DRY	No.2	SPF
	EXCEPT				

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-C 2	12	TOP
C-F 2	12	TOP
F-H 2	12	TOP
H-J 2	12	TOP
J-K 2	12	TOP
K-L 2	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
S-P 2	12	TOP
P-N 2	12	TOP
N-K 2	12	TOP
WEBS : (0.122"x3") SPIRAL NAILS		
2x3 1	6	TOP

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	HORZ	DOWN	HORZ
S	3963	0	3963	0
K	3687	0	3687	0

UNFACTORED REACTIONS

1ST CASE	MAX/MIN. COMPONENT REACTIONS
JT	COMBINED
S	2783
K	2599

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.20 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED HORIZ. LOAD (PLF)	MAX. FACTORED UNBRACED LENGTH (FT)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORIZ. LOAD (PLF)
FR-TO						FR-TO			
A-B	0 / 42	-91.8	-91.8	0.04 (1)	10.00	R-C	-1086 / 0	0.13 (1)	
B-C	-3986 / 0	-91.8	-91.8	0.06 (1)	5.65	C-D	0 / 7263	0.90 (1)	
C-D	-9534 / 0	-91.8	-91.8	0.37 (1)	3.74	D-E	-2180 / 0	0.28 (1)	
D-E	-12331 / 0	-91.8	-91.8	0.52 (1)	3.20	E-F	0 / 3130	0.39 (1)	
E-F	-12331 / 0	-91.8	-91.8	0.52 (1)	3.20	F-G	-776 / 0	0.09 (1)	
F-G	-12331 / 0	-91.8	-91.8	0.52 (1)	3.23	G-H	0 / 4203	0.52 (1)	
G-H	-8575 / 0	-91.8	-91.8	0.33 (1)	3.94	H-I	-2613 / 0	0.31 (1)	
H-I	-3758 / 0	-91.8	-91.8	0.08 (1)	5.78	I-J	0 / 8383	0.79 (1)	
I-J	0 / 42	-91.8	-91.8	0.04 (1)	10.00	J-K	-843 / 0	0.10 (1)	
J-K	-3945 / 0	0.0	0.0	0.14 (1)	7.14	K-L	0 / 3239	0.40 (1)	
K-L	-3733 / 0	0.0	0.0	0.13 (1)	7.29	L-M	0 / 3052	0.38 (1)	
S-R	0 / 0	-18.5	-18.5	0.02 (4)	10.00				
R-Q	0 / 3013	-18.5	-18.5	0.21 (1)	10.00				
Q-P	0 / 9534	-18.5	-18.5	0.87 (1)	10.00				
P-U	0 / 9534	-18.5	-18.5	0.87 (1)	10.00				
U-V	0 / 9534	-18.5	-18.5	0.87 (1)	10.00				
V-W	0 / 9534	-18.5	-18.5	0.87 (1)	10.00				
C-W	0 / 8575	-18.5	-18.5	0.49 (1)	10.00				
W-N	0 / 8575	-18.5	-18.5	0.49 (1)	10.00				
N-M	0 / 8575	-18.5	-18.5	0.49 (1)	10.00				
M-L	0 / 2844	-18.5	-18.5	0.12 (1)	10.00				
L-K	0 / 0	-18.5	-18.5	0.05 (1)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
E	17-5-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
O	17-5-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
T	15-5-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
U	13-6-8	-1615	-1615	---	BACK	VERT	TOTAL	---	C1
V	15-5-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
W	18-9-8	-1620	-1620	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 2 X 183 = 366 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN/C/C

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

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) =	L/360 (1.17")
CALCULATED VERT. DEFL.(LL) =	L/999 (0.35")
ALLOWABLE DEFL.(TL) =	L/360 (1.17")
CALCULATED VERT. DEFL.(TL) =	L/657 (0.64")

CSI: TC=0.52/1.00 (D-E:1), BC=0.67/1.00 (C-Q:1)

WB=0.90/1.00 (C-Q:1), SS=0.53/1.00 (M-O:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00

COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

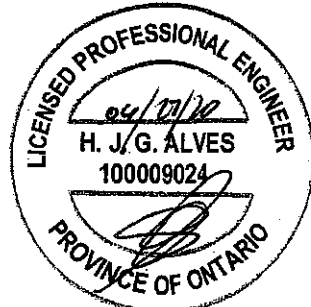
PLATE GRIP(DRY) SHEAR	SECTION
(PSI)	(PLI)
MAX MIN	MAX MIN
MT20	618 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

JSI METAL= 0.95 (P) (INPUT = 1.00)



Structural component only
DWG# T-2007130

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408168	T1Z	1	2	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6I_zns1f-qoL41NGw50yH-WVSRionNNrbzOlzT4?D9w8UBuzNBRK

PLATES (table is in inches)

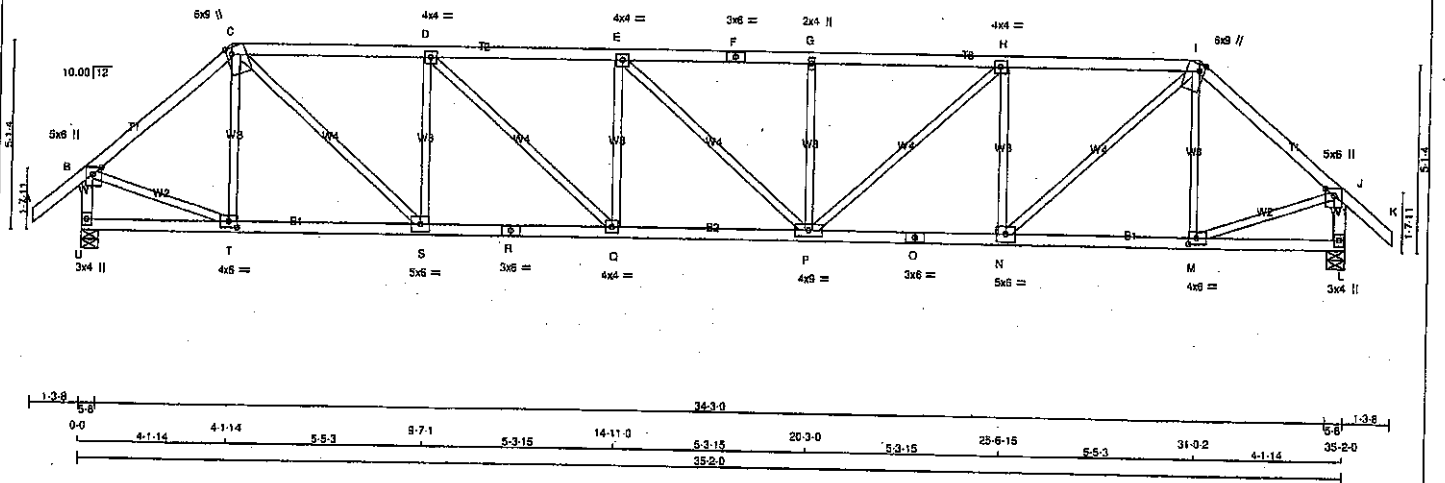
JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	6.0	9.0		
C	TTWW+m	MT20	8.0	9.0	Edge	6.50
D	TMWW-t	MT20	5.0	6.0	2.50	2.50
E	TMW+w	MT20	3.0	6.0		
F	TS-t	MT20	5.0	6.0		
G	TMWW-t	MT20	5.0	6.0	2.50	2.50
H	TTWW+m	MT20	8.0	9.0	Edge	6.50
I	TMVW+p	MT20	6.0	9.0		
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-t	MT20	5.0	6.0	2.50	2.75
M	BMWW-t	MT20	5.0	8.0	2.50	2.00
N	BS-t	MT20	6.0	9.0		
O	BMWWW-t	MT20	5.0	12.0	3.00	6.00
P	BS-t	MT20	6.0	9.0		
Q	BMWW-t	MT20	5.0	8.0	2.50	2.00
R	BMWW-t	MT20	5.0	6.0	2.50	2.75
S	BMV1+p	MT20	3.0	6.0		

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



Structural component only
DWG# T-2007130 92

JOB NAME 408168	TRUSS NAME T2	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 9.310 S Oct 29 2019 Mitek Industries, Inc. Sat Apr 25 12:34:50 2020 Page 1	
ID:DMCubINVR6TstFoe31v6i_zns11-17vSFH2sJ487s3IPPK0vaOkac0CfaMOat1KzNBRJ				20-3-0 5-3-15 25-6-15 31-0-2 35-2-0 35-5-8	
1-3-8 0-0 4-1-14 5-5-3 9-7-1 14-11-0 20-3-0 25-6-15 31-0-2 35-2-0 35-5-8				Scale = 1/8" = 1'-0"	



LUMBER

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

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

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

BEARINGS	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
JT	2066	0	2066	0	5-8	5-8
U	2066	0	2066	0	5-8	5-8
L	2066	0	2066	0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
JT	1458	971/0	0/0	0/0	0/0	488/0
U	1458	971/0	0/0	0/0	0/0	488/0
L	1458	971/0	0/0	0/0	0/0	488/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.20 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	UNBRACED LENGTH (FT)
FR-TO		FROM TO		FR-TO			
A-B	0/41	-91.8 -91.8	0.13 (1)	10.00	T-C	-358/0	0.14 (1)
B-C	-1960/0	-91.8 -91.8	0.36 (1)	4.46	C-S	0/1835	0.41 (1)
C-D	-2871/0	-91.8 -91.8	0.57 (1)	3.59	S-D	-1118/0	0.43 (1)
D-E	-3506/0	-91.8 -91.8	0.65 (1)	3.21	D-Q	0/856	0.19 (1)
E-F	-3505/0	-91.8 -91.8	0.53 (1)	3.36	Q-E	-475/0	0.18 (1)
F-G	-3505/0	-91.8 -91.8	0.53 (1)	3.36	E-P	-2/0	0.00 (1)
G-H	-3505/0	-91.8 -91.8	0.56 (1)	3.20	P-G	-474/0	0.18 (1)
H-I	-2871/0	-91.8 -91.8	0.57 (1)	3.59	P-H	0/853	0.19 (1)
I-J	-1960/0	-91.8 -91.8	0.38 (1)	4.46	H-N	-1117/0	0.43 (1)
J-K	0/41	-91.8 -91.8	0.13 (1)	10.00	N-I	0/1837	0.41 (1)
U-B	-2037/0	0.0 0.0	0.22 (1)	5.92	M-I	-358/0	0.14 (1)
L-J	-2037/0	0.0 0.0	0.22 (1)	5.92	B-T	0/1571	0.35 (1)
					M-J	0/1571	0.35 (1)
U-T	0/0	-18.5 -18.5	0.10 (4)	10.00			
T-S	0/1494	-18.5 -18.5	0.30 (1)	10.00			
S-R	0/2871	-18.5 -18.5	0.51 (1)	10.00			
R-Q	0/2871	-18.5 -18.5	0.51 (1)	10.00			
Q-P	0/3506	-18.5 -18.5	0.62 (1)	10.00			
P-O	0/2872	-18.5 -18.5	0.51 (1)	10.00			
O-N	0/2872	-18.5 -18.5	0.51 (1)	10.00			
N-M	0/1494	-18.5 -18.5	0.30 (1)	10.00			
M-L	0/0	-18.5 -18.5	0.10 (4)	10.00			

TOTAL WEIGHT = 2 X 147 = 293 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) = $L/360$ (1.17")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.20")
ALLOWABLE DEFL.(TL) = $L/360$ (1.17")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.39")

CSI: TO=0.86/1.00 (G-H:1), BC=0.62/1.00 (P-Q:1),
WB=0.43/1.00 (D-S:1), SS=0.23/1.00 (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 (PSI)	SECTION (PU)	(PL)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1867 788	1987 1655

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

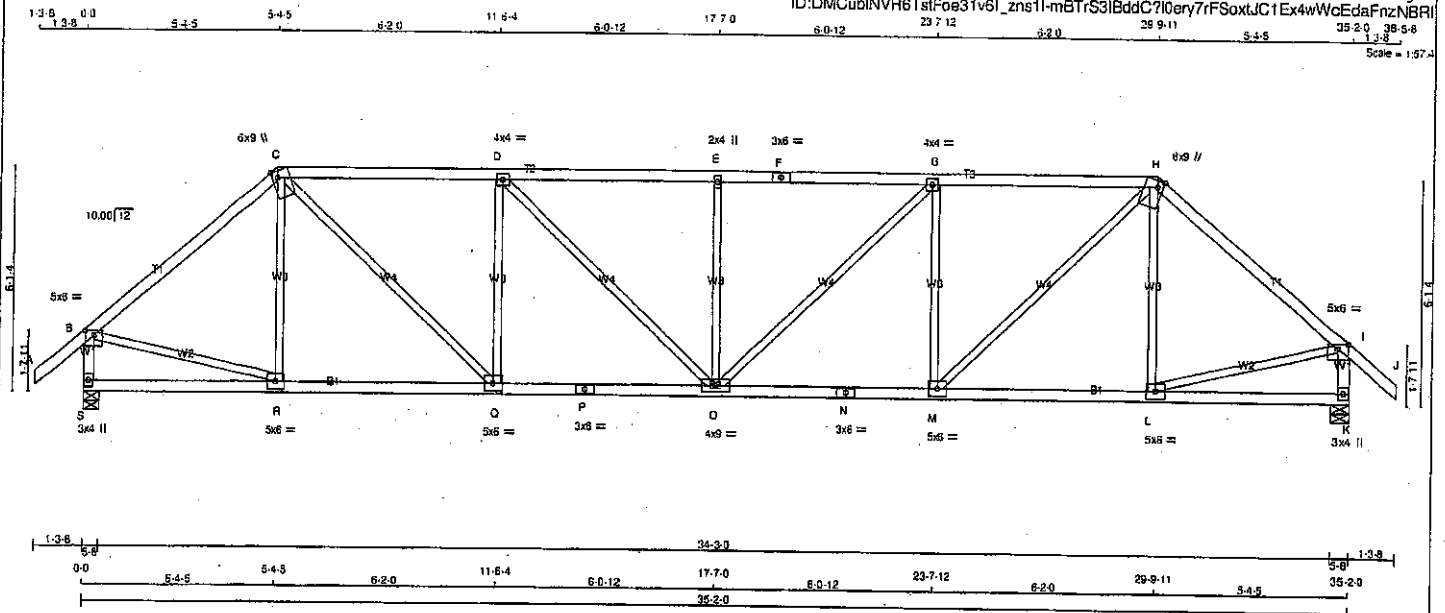


Structural component only
DWG# T-2007131

JOB NAME 408168	TRUSS NAME T3	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:DMCubiNVR6TstFoe31v6l_zns1l-m8TrS3lBddC7l0ery7rFSoxUC1Ex4wWcEdaFnzNBRI



LUMBER

N. L. G. A. RULES	SIZE	LUMBER
CHORDS		
A - C	2x4 DRY	No.2
C - F	2x4 DRY	No.2
F - H	2x4 DRY	No.2
H - J	2x4 DRY	No.2
S - B	2x4 DRY	No.2
K - I	2x4 DRY	No.2
S - P	2x4 DRY	No.2
P - N	2x4 DRY	No.2
N - K	2x4 DRY	No.2

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (tablets in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.50	3.00
C	TTWW+m	MT20	6.0	9.0	Edge	1.75
D	TMVW-l	MT20	4.0	4.0		
E	TMVW-w	MT20	2.0	4.0		
F	TS-l	MT20	3.0	6.0		
G	TMVW-l	MT20	4.0	4.0		
H	TTWW+m	MT20	6.0	9.0	Edge	1.75
I	TMVW-p	MT20	5.0	6.0	1.50	3.00
K	BMV1-p	MT20	3.0	4.0		
L, M, Q, R						
N	BMVW-l	MT20	5.0	6.0		
L	BS-l	MT20	3.0	6.0		
O	BMVW-w	MT20	4.0	9.0		
P	BS-l	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	DOWN	HORIZ	UPLIFT
S	2068	0	2068	0
K	2066	0	2068	0

UNFACTORED REACTIONS	1ST LCASE	MAX./MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW LIVE PERM.LIVE WIND DEAD SOIL
S	1458	971/0 0/0 0/0 0/0 488/0 0/0
K	1458	971/0 0/0 0/0 0/0 488/0 0/0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.28 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	
FR-TO		FROM TO		FR-TO			
A-B	0/41	-91.8 -91.8 0.13 (1)	10.00	R-C	-246/7	0.14 (1)	
B-C	-2004/0	-91.8 -91.8 0.64 (1)	4.11	C-Q	0/1538	0.35 (1)	
C-D	-2653/0	-91.8 -91.8 0.74 (1)	3.50	Q-D	-943/0	0.55 (1)	
D-E	-2978/0	-91.8 -91.8 0.78 (1)	3.28	D-O	0/450	0.10 (1)	
E-F	-2978/0	-91.8 -91.8 0.78 (1)	3.28	O-E	-513/0	0.30 (1)	
F-G	-2978/0	-91.8 -91.8 0.78 (1)	3.28	O-G	0/450	0.10 (1)	
G-H	-2653/0	-91.8 -91.8 0.74 (1)	3.50	M-G	-943/0	0.55 (1)	
H-I	-2004/0	-91.8 -91.8 0.64 (1)	4.11	M-H	0/1538	0.35 (1)	
I-J	0/41	-91.8 -91.8 0.13 (1)	10.00	L-H	-246/7	0.14 (1)	
S-B	-2028/0	0.0 0.0 0.22 (1)	5.94	B-R	0/1580	0.36 (1)	
K-I	-2028/0	0.0 0.0 0.22 (1)	5.94	L-I	0/1580	0.36 (1)	
S-R	0/0	-18.5 -18.5 0.14 (4)	10.00				
R-Q	0/1532	-18.5 -18.5 0.33 (1)	10.00				
Q-P	0/2553	-18.5 -18.5 0.48 (1)	10.00				
P-O	0/2553	-18.5 -18.5 0.49 (1)	10.00				
O-N	0/2553	-18.5 -18.5 0.49 (1)	10.00				
N-M	0/2553	-18.5 -18.5 0.49 (1)	10.00				
M-L	0/1532	-18.5 -18.5 0.33 (1)	10.00				
L-K	0/0	-18.5 -18.5 0.14 (4)	10.00				

TOTAL WEIGHT = 2 X 148 = 296 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. O.C.

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015, CBC 2012, ABC 2015
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 085-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = L/999 (0.16")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/999 (0.29")
CSI: TC=0.78/1.00 (E-G-1), BC=0.49/1.00 (M-O-1),
WB=0.55/1.00 (G-M-1), SS=0.27/1.00 (C-D-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

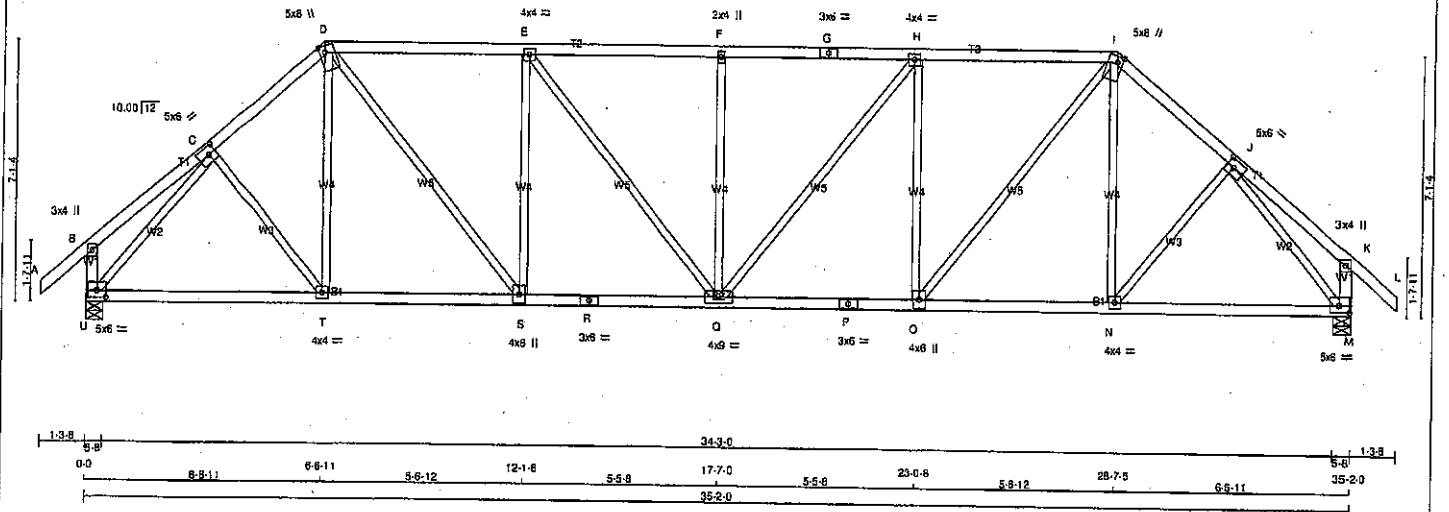


Structural component only
DWG# T-2007132

JOB NAME: 408168 TRUSS NAME: T4 QUANTITY: 2 PLY: 1 JOB DESC: GREEN PARK HOMES TRUSS DESC: DRWG NO. Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31vgI zns11-EN1DfPpOxKsNAD1WqNU_?T6RbNZgQVfrM8oDzNBRH

1-3-8 0-0 3-4-10 3-4-10 3-2-2 8-8-11 5-5-12 12-1-8 5-5-8 17-7-0 5-5-8 23-0-8 5-5-12 28-7-5 3-2-2 31-9-6 3-4-10 35-2-0 38-5-8
Scale = 1:57.5



LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMVWp	MT20	3.0	4.0	
C	TMVWp	MT20	5.0	8.0	2.50 2.25
D	TTWWm	MT20	5.0	8.0	2.00 1.75
E	TMVWp	MT20	4.0	4.0	
F	TMVWp	MT20	2.0	4.0	
G	TS-i	MT20	3.0	6.0	
H	TMVWp	MT20	4.0	4.0	
I	TTWWm	MT20	5.0	8.0	2.00 1.75
J	TMVWp	MT20	5.0	8.0	2.50 2.25
K	TMVWp	MT20	3.0	4.0	
M	BMVWp	MT20	5.0	8.0	2.25 3.00
N	BMVWp	MT20	4.0	4.0	
O	BMVWp	MT20	4.0	4.0	
P	BS-i	MT20	3.0	6.0	
Q	BMVWp	MT20	4.0	4.0	
R	BS-i	MT20	3.0	6.0	
S	BMVWp	MT20	4.0	4.0	
T	BMVWp	MT20	4.0	4.0	
U	BMVWp	MT20	5.0	8.0	2.25 3.00

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT VERT	2066	0	0	5-8
U	2066	0	0	5-8
M	2066	0	0	5-8

UNFACTORED REACTIONS

	1ST LOSE	MAX. MIN. COMPONENT REACTIONS
JT COMBINED	1458	971 / 0
U	1458	971 / 0
M	1458	971 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.77 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED CS (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CS (LC)
FR-TO					FR-TO		
A-B	0 / 41	-91.8	-91.8 0.13 (1)	10.00	C-T	0 / 156	0.04 (1)
B-C	0 / 19	-91.8	-91.8 0.14 (1)	10.00	T-D	0 / 76	0.03 (4)
C-D	-2023 / 0	-91.8	-91.8 0.20 (1)	4.59	D-S	0 / 1220	0.27 (1)
D-E	-2038 / 0	-91.8	-91.8 0.55 (1)	3.94	S-E	-850 / 0	0.74 (1)
E-F	-2534 / 0	-91.8	-91.8 0.57 (1)	3.77	E-Q	0 / 361	0.08 (1)
F-G	-2534 / 0	-91.8	-91.8 0.57 (1)	3.77	Q-F	-461 / 0	0.40 (1)
G-H	-2534 / 0	-91.8	-91.8 0.20 (1)	4.59	C-H	-850 / 0	0.74 (1)
H-I	-2038 / 0	-91.8	-91.8 0.55 (1)	3.94	Q-H	0 / 361	0.08 (1)
I-J	-2023 / 0	-91.8	-91.8 0.20 (1)	4.59	C-H	-850 / 0	0.74 (1)
J-K	0 / 19	-91.8	-91.8 0.14 (1)	10.00	N-I	0 / 1220	0.27 (1)
K-L	0 / 41	-91.8	-91.8 0.13 (1)	10.00	N-J	0 / 76	0.03 (4)
U-B	-246 / 0	0.0	0.0 0.03 (1)	7.81	U-C	-2277 / 0	0.98 (1)
M-K	-246 / 0	0.0	0.0 0.03 (1)	7.81	J-M	-2277 / 0	0.98 (1)
U-T	0 / 1433	-18.5	-18.5 0.33 (1)	10.00			
T-S	0 / 1535	-18.5	-18.5 0.35 (1)	10.00			
S-R	0 / 2308	-18.5	-18.5 0.42 (1)	10.00			
R-Q	0 / 2308	-18.5	-18.5 0.42 (1)	10.00			
Q-P	0 / 2308	-18.5	-18.5 0.42 (1)	10.00			
P-O	0 / 2308	-18.5	-18.5 0.42 (1)	10.00			
O-N	0 / 1535	-18.5	-18.5 0.35 (1)	10.00			
N-M	0 / 1433	-18.5	-18.5 0.33 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. O.C.

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF 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) = $L/360$ (1.17")
CALCULATED VERT. DEFL.(LL) = $L/899$ (0.13")
ALLOWABLE DEFL.(TL) = $L/360$ (1.17")
CALCULATED VERT. DEFL.(TL) = $L/899$ (0.23")

CSI: TC=0.57/1.00 (E-F:1), BC=0.42/1.00 (O-C:1), WB=0.88/1.00 (J-M:1), SS=0.24/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

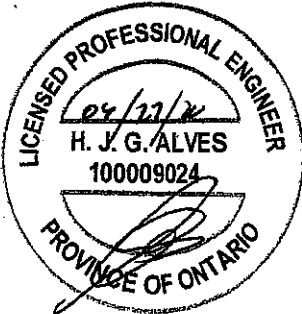
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1987 788 1987 1556

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.89 (I) (INPUT = 0.90)
JSI METAL = 0.72 (P) (INPUT = 1.00)

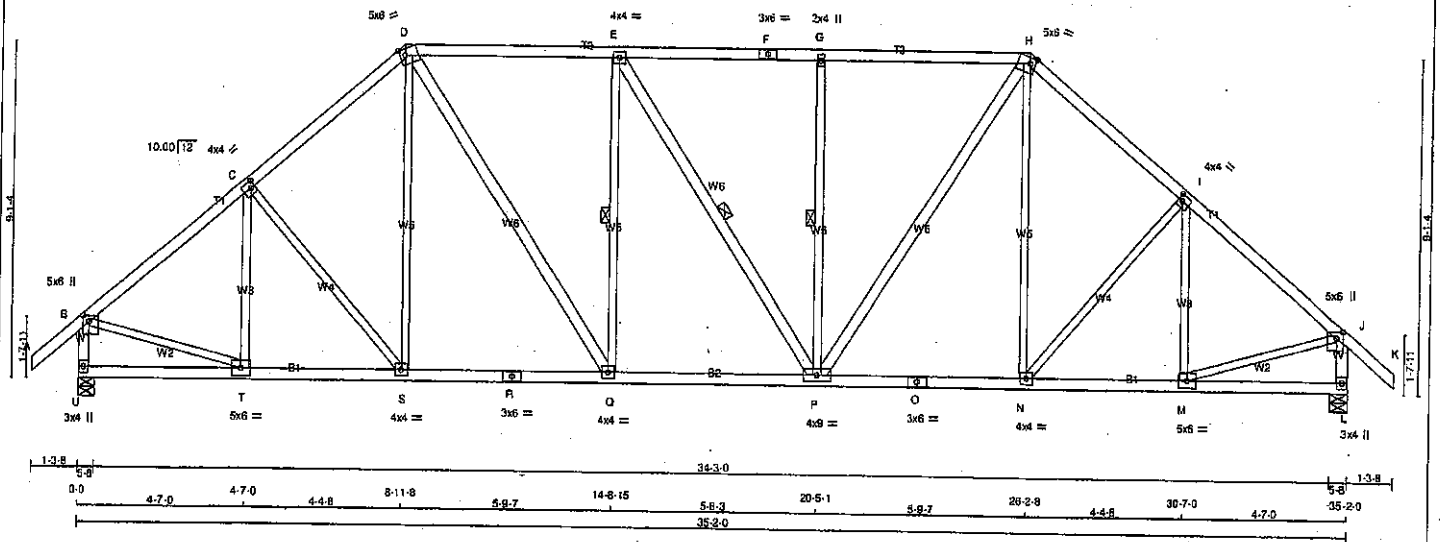


Structural component only
DWG# T-2007133

JOB NAME 408168	TRUSS NAME T6	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6t_zns11-eyILRLhhsQEeyCBzwBce5IFpQxtx5XsboOYzNBRE
20 5-1 5-9-7 26 2-8 4-4-8 36 7-0 35-2-0 35-5-8
Scale = 1:57.2



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	2.00	2.00
C	TMVW-i	MT20	4.0	4.0	2.00	1.25
D	TTWW-m	MT20	5.0	6.0	2.00	1.75
E	TMVW-i	MT20	4.0	4.0		
F	TS-i	MT20	3.0	6.0		
G	TMVW-w	MT20	2.0	4.0		
H	TTWW-m	MT20	5.0	6.0	2.00	1.75
I	TMVW-i	MT20	4.0	4.0	2.00	1.25
J	TMVW+p	MT20	5.0	6.0	2.00	2.00
L	BMV1+p	MT20	3.0	4.0		
M	BMVW-i	MT20	5.0	6.0		
N, Q, S						
N	BMVW-i	MT20	4.0	4.0		
O	BS-i	MT20	3.0	6.0		
P	BMVW-i	MT20	4.0	6.0		
R	BS-i	MT20	3.0	6.0		
T	BMVW-i	MT20	5.0	6.0		
U	BMV1+p	MT20	3.0	4.0		

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	RECORD
JT	GROSS REACTION	GROSS REACTION	DOWN	BRG	BRG
U	2066 0	2066 0	0 0	5-8	5-8
L	2066 0	2066 0	0 0	5-8	5-8

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
U	1458	971 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0
L	1458	971 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.44 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-Q, F-P, G-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.	FACTORED	MEMB.	FACTORED
MAX. FORCE (LBS)	VERT. LOAD LCI (PLF)	MAX. FORCE (LBS)	VERT. LOAD LCI (PLF)
FR-TO	FROM TO	FR-TO	FROM TO
A-B	0 / 41	T-C	-357 / 0
B-C	-1984 / 0	B-C	-121 / 0
C-D	-1957 / 0	C-D	0 / 188
D-E	-1923 / 0	D-E	0 / 810
E-F	-1921 / 0	E-F	-569 / 0
F-G	-1921 / 0	F-G	-3 / 0
G-H	-1921 / 0	G-H	-568 / 0
H-I	-1957 / 0	H-I	0 / 807
I-J	-1994 / 0	I-J	0 / 189
J-K	0 / 41	N-I	-121 / 0
U-B	-2028 / 0	M-I	-358 / 0
L-J	-2028 / 0	B-T	0 / 1617
		M-J	0 / 1617
U-T	0 / 0		
T-S	0 / 1565		
S-R	0 / 1477		
R-Q	0 / 1477		
Q-P	0 / 1923		
P-O	0 / 1478		
O-N	0 / 1478		
N-M	0 / 1555		
M-L	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. OC

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

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/999 (0.16")

CSI: TC=0.40/1.00 (D-E:1), BC=0.38/1.00 (P-Q:1), WB=0.38/1.00 (B-T:1), SSI=0.25/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1657 788 1957 1656

PLATE TENSION TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL= 0.50 (C) (INPUT = 1.00)

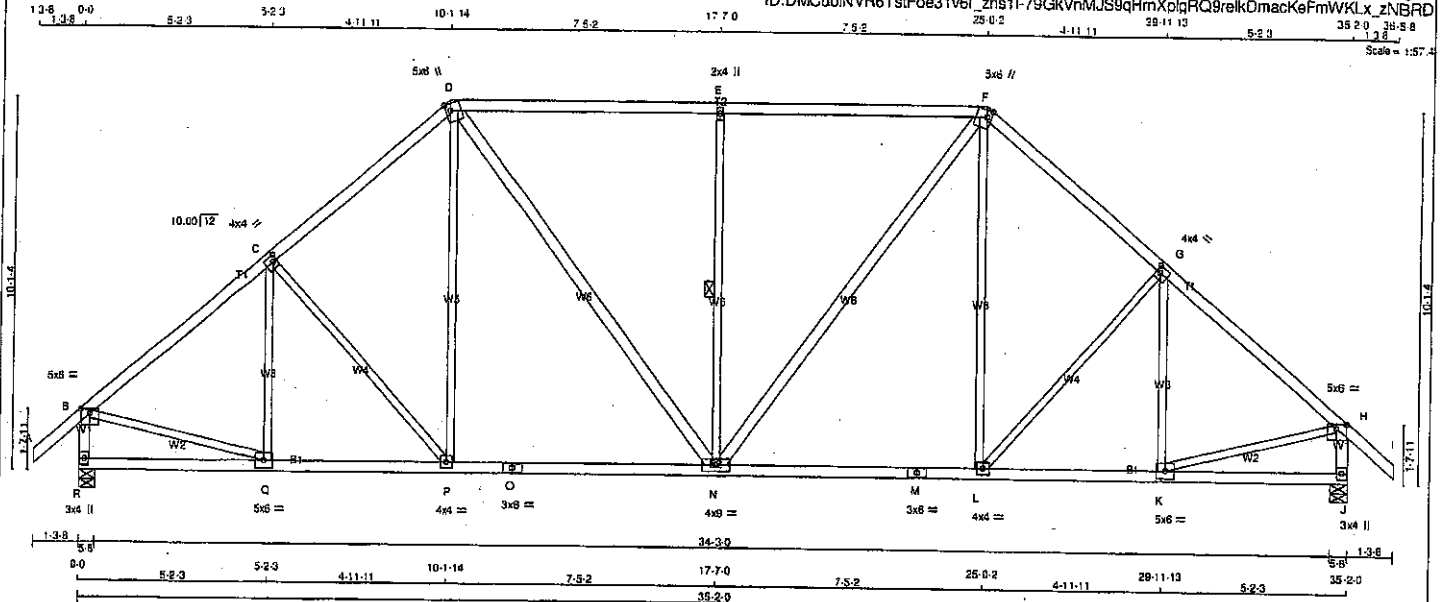


Structural component only
DWG# T-2007135

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408168	T7	5	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6l_zns1l-79GkVnHmXpRQ9reKdMacKeFmWKLx_zNBRD



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	2x3	DRY	No.2	SPF
EXCEPT				
D - N	2x4	DRY	No.2	SPF
N - F	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	1.50	3.00
C	TMVW-t	MT20	4.0	4.0	2.00	1.25
D	TTVW+m	MT20	5.0	5.0	2.25	1.50
E	TMVW-w	MT20	2.0	4.0		
F	TTVW+m	MT20	5.0	5.0	2.25	1.50
G	TMVW-t	MT20	4.0	4.0	2.00	1.25
H	TMVW-p	MT20	5.0	8.0	1.50	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	8.0		
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 GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
R	2068	0	2068	0
J	2068	0	2068	0

UNFACTORED REACTIONS

JT	1ST LOSE	MAX/MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
R	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
R	1458	971 / 0	0 / 0	0 / 0	488 / 0	0 / 0
J	1458	971 / 0	0 / 0	0 / 0	488 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.96 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF 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. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)
FR-TO		FROM TO		FR-TO		FROM TO	
A-B	0 / 41	-91.8 -91.8	0.13 (1)	10.00	Q-C	-302 / 0	0.17 (1)
B-C	-2021 / 0	-91.8 -91.8	0.39 (1)	4.41	C-P	-217 / 0	0.25 (1)
C-D	-1908 / 0	-91.8 -91.8	0.37 (1)	4.52	P-D	0 / 278	0.06 (1)
D-E	-1808 / 0	-91.8 -91.8	0.74 (1)	3.96	D-N	0 / 615	0.10 (1)
E-F	-1809 / 0	-91.8 -91.8	0.74 (1)	3.96	N-E	-838 / 0	0.58 (1)
F-G	-1908 / 0	-91.8 -91.8	0.37 (1)	4.52	N-F	0 / 615	0.10 (1)
G-H	-2021 / 0	-91.8 -91.8	0.39 (1)	4.41	L-F	-0 / 278	0.06 (1)
H-I	0 / 41	-91.8 -91.8	0.13 (1)	10.00	L-G	-217 / 0	0.25 (1)
R-B	-2024 / 0	0.0 0.0	0.22 (1)	5.94	K-G	-302 / 0	0.17 (1)
J-H	-2024 / 0	0.0 0.0	0.22 (1)	5.94	B-Q	0 / 1829	0.37 (1)
					K-H	0 / 1829	0.37 (1)
R-Q	0 / 0	-18.5 -18.5	0.10 (4)	10.00			
C-P	0 / 1580	-18.5 -18.5	0.34 (1)	10.00			
P-O	0 / 1437	-18.5 -18.5	0.35 (1)	10.00			
O-N	0 / 1437	-18.5 -18.5	0.35 (1)	10.00			
N-M	0 / 1437	-18.5 -18.5	0.35 (1)	10.00			
M-L	0 / 1437	-18.5 -18.5	0.35 (1)	10.00			
L-K	0 / 1580	-18.5 -18.5	0.34 (1)	10.00			
K-J	0 / 0	-18.5 -18.5	0.10 (4)	10.00			

TOTAL WEIGHT = 5 X 173 = 867 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) = L/360 (1.17)
CALCULATED VERT. DEFL.(LL) = L/998 (0.08)
ALLOWABLE DEFL.(TL) = L/360 (1.17)
CALCULATED VERT. DEFL.(TL) = L/999 (0.17)

CS: TC=0.74/1.00 (D-E:1), BC=0.35/1.00 (L-N:1), WB=0.58/1.00 (E-N:1), SS=0.33/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP (DRY)	SHEAR SECTION (PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	618	354	1897

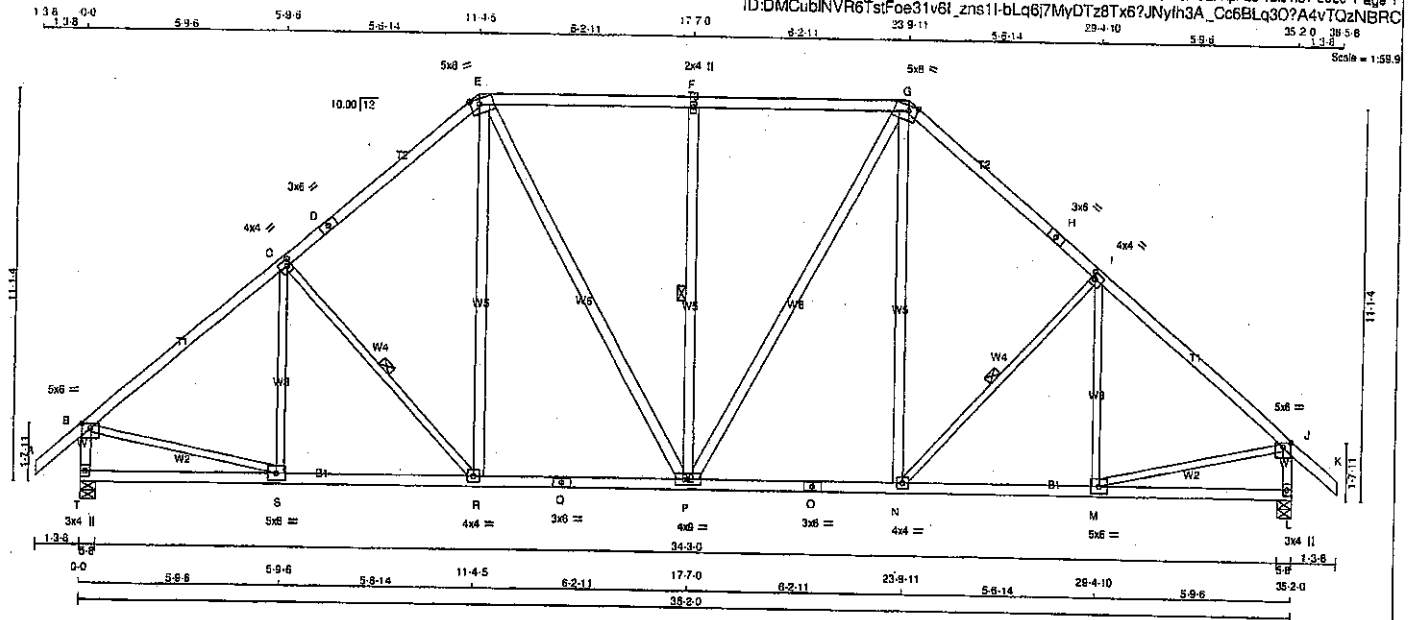
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.89 (H) (INPUT = 0.90)
JSI METAL = 0.48 (O) (INPUT = 1.00)



Structural component only
DWG# T-2007136



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW-p	MT20	5.0	6.0	1.50	3.00
C TMVW-i	MT20	4.0	4.0	2.00	1.25
D TS-i	MT20	3.0	6.0		
E TMVW-m	MT20	5.0	8.0	Edge	3.00
F TMVW-w	MT20	2.0	4.0		
G TMVW-m	MT20	5.0	8.0	Edge	3.00
H TS-i	MT20	3.0	6.0		
I TMVW-i	MT20	4.0	4.0	2.00	1.25
J TMVW-p	MT20	5.0	6.0	1.50	3.00
L BMV1-p	MT20	3.0	4.0		
M BMVW-i	MT20	5.0	6.0		
N BMVW-i	MT20	4.0	4.0		
O BS-i	MT20	3.0	6.0		
P BMVW-w	MT20	4.0	4.0		
Q BS-i	MT20	3.0	6.0		
R BMVW-i	MT20	4.0	4.0		
S BMVW-i	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	RECORD BRG
JT VERT	2066	0	2066	0
T	2066	0	2066	0
L	2066	0	2066	0

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
T	1458	971 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0
L	1458	971 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.27 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF C, R, F, P, H, N.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO						FR-TO			
A-B	0 / 41	-91.8	-91.8	0.13 (1)	10.00	S-C	-245 / 10	0.17 (1)	
B-C	-2039 / 0	-91.8	-91.8	0.50 (1)	4.27	C-R	-314 / 0	0.15 (1)	
C-D	-1844 / 0	-91.8	-91.8	0.46 (1)	4.47	R-E	0 / 338	0.05 (1)	
D-E	-1844 / 0	-91.8	-91.8	0.46 (1)	4.47	E-P	0 / 469	0.08 (1)	
E-F	-1621 / 0	-91.8	-91.8	0.50 (1)	4.60	P-F	-699 / 0	0.45 (1)	
F-G	-1621 / 0	-91.8	-91.8	0.50 (1)	4.60	G-P	0 / 469	0.08 (1)	
G-H	-1844 / 0	-91.8	-91.8	0.46 (1)	4.47	N-G	0 / 338	0.05 (1)	
H-I	-1844 / 0	-91.8	-91.8	0.46 (1)	4.47	I-N	-314 / 0	0.15 (1)	
I-J	-2039 / 0	-91.8	-91.8	0.50 (1)	4.27	M-I	-245 / 10	0.17 (1)	
J-K	0 / 41	-91.8	-91.8	0.13 (1)	10.00	B-S	0 / 1637	0.37 (1)	
T-B	-2021 / 0	0.0	0.0	0.21 (1)	5.94	M-J	0 / 1637	0.37 (1)	
L-J	-2021 / 0	0.0	0.0	0.21 (1)	5.94				
T-S	0 / 0	-18.5	-18.5	0.14 (4)	10.00				
S-R	0 / 1597	-18.5	-18.5	0.33 (1)	10.00				
R-Q	0 / 1387	-18.5	-18.5	0.30 (1)	10.00				
Q-P	0 / 1387	-18.5	-18.5	0.30 (1)	10.00				
P-O	0 / 1387	-18.5	-18.5	0.30 (1)	10.00				
O-N	0 / 1387	-18.5	-18.5	0.30 (1)	10.00				
N-M	0 / 1597	-18.5	-18.5	0.33 (1)	10.00				
M-L	0 / 0	-18.5	-18.5	0.14 (4)	10.00				

TOTAL WEIGHT = 2 X 190 = 380 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = L/999 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/989 (0.14")

CSI: TC=0.50/1.00 (E-F:1), BC=0.33/1.00 (M-N:1), WB=0.45/1.00 (F-P:1), SSI=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) (FLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

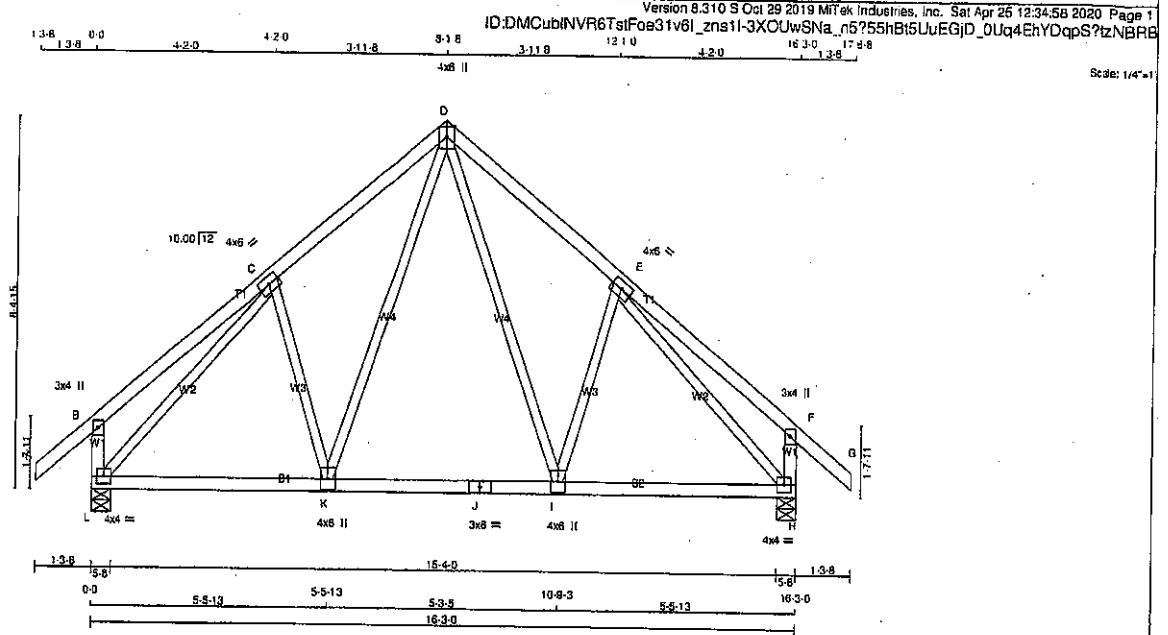
PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
DWG# T-2007137

JOB NAME 408168	TRUSS NAME T9	QUANTITY 6	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



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

ALL WEBS 2x3 DRY No.2 EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW+1	MT20	4.0	6.0		
D	TTWW+p	MT20	4.0	6.0		Edge
E	TMWW+1	MT20	4.0	6.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVW1-t	MT20	4.0	4.0		
I	BMWW+1	MT20	4.0	6.0		
J	BS-1	MT20	3.0	6.0		
K	BMWW+1	MT20	4.0	6.0		
L	BMVW1-t	MT20	4.0	4.0		

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	HORIZ	UPLIFT
L	1023	0	0	5-8
H	1023	0	0	5-8

UNFACTORED REACTIONS

1ST CASE	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
JT	721	487 / 0	0 / 0	0 / 0	0 / 0	234 / 0	0 / 0
H	721	487 / 0	0 / 0	0 / 0	0 / 0	234 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (LBS)	FACTORED VERT. LOAD (LBS)	MAX. UNBRACED LENGTH (FT)	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (LBS)	FACTORED VERT. LOAD (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO	A-B	0 / 41	-91.8	-91.8	0.13 (1)	10.00	D-I	0 / 330	0.07 (1)		
	B-C	0 / 28	-91.8	-91.8	0.24 (1)	10.00	E	-216 / 0	0.09 (1)		
	C-D	-745 / 0	-91.8	-91.8	0.19 (1)	6.25	K-D	0 / 330	0.07 (1)		
	D-E	-745 / 0	-91.8	-91.8	0.19 (1)	6.25	C-K	-216 / 0	0.09 (1)		
	E-F	0 / 28	-91.8	-91.8	0.24 (1)	10.00	L-C	-943 / 0	0.61 (1)		
	F-G	0 / 41	-91.8	-91.8	0.13 (1)	10.00	E-H	-943 / 0	0.61 (1)		
	L-B	-267 / 0	0.0	0.0	0.03 (1)	7.81					
	H-F	-267 / 0	0.0	0.0	0.03 (1)	7.81					
	L-K	0 / 616	-18.5	-18.5	0.17 (4)	10.00					
	K-J	0 / 449	-18.5	-18.5	0.16 (4)	10.00					
	J-I	0 / 449	-18.5	-18.5	0.16 (4)	10.00					
	I-H	0 / 616	-18.5	-18.5	0.17 (4)	10.00					

TOTAL WEIGHT = 6 X 80 = 481 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 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) = $L/360$ (0.54")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.02")
ALLOWABLE DEFL.(TL) = $L/360$ (0.54")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.04")

CSI: TC=0.24/1.00 (B-C:1), BC=0.17/1.00 (H-I:4), WB=0.61/1.00 (C-L:1), SS=0.14/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

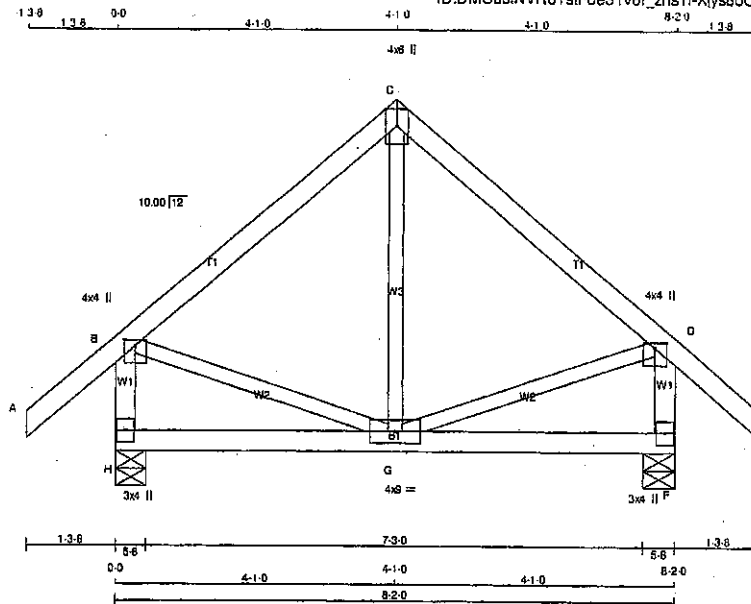
JSI GRIP = 0.76 (C) (INPUT = 0.90)
JSI METAL = 0.25 (C) (INPUT = 1.00)



Structural component only
DWG# T-2007138

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408168	T10	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

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Scale = 1:30.0

TOTAL WEIGHT = 38 lb (M)

LUMBER

N. L. G. A. RULES

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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00 2.00
C	TTW+p	MT20	4.0	8.0	Edge
D	TMVW+p	MT20	4.0	4.0	1.00 2.00
F	BMV1+p	MT20	3.0	4.0	
G	BMVWW+1	MT20	4.0	9.0	
H	BMV1+p	MT20	3.0	4.0	

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

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	UPLIFT
H	577	0	577	0
F	577	0	577	0

UNFACTORED REACTIONS

	1ST LOASE	MAX/MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
H	408	280 / 0
F	408	280 / 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	VERT. LOAD	LC1	MEMB.	MAX. FACTORED	VERT. LOAD	LC1
	(LBS)	(PLF)	(LC)		(LBS)	(PLF)	(LC)
FR-TO				FR-TO			
A-B	0 / 41	-91.8	-91.8 0.13 (1)	G-C	-37 / 57	0.02 (4)	
B-C	-284 / 0	-91.8	-91.8 0.20 (1)	B-G	0 / 213	0.05 (1)	
C-D	-284 / 0	-91.8	-91.8 0.20 (1)	G-D	0 / 213	0.05 (1)	
D-E	0 / 41	-91.8	-91.8 0.13 (1)				
H-B	-548 / 0	0.0	0.0 0.05 (1)				
F-D	-548 / 0	0.0	0.0 0.05 (1)				
H-G	0 / 0	-18.5	-18.5 0.09 (4)				
G-F	0 / 0	-18.5	-18.5 0.09 (4)				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 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 (0.27")
CALCULATED VERT. DEFL. (LL) = L/999 (0.00")
ALLOWABLE DEFL. (TL) = L/360 (0.27")
CALCULATED VERT. DEFL. (TL) = L/999 (0.01")

CSI: TC=0.20/1.00 (B-C:1), BC=0.09/1.00 (F-G:4), WB=0.05/1.00 (D-G:1), SS=0.11/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

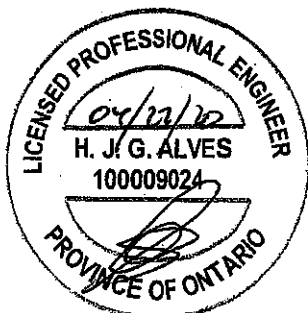
NAIL VALUES

PLATE GRIP (DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1657 785

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.46 (D) (INPUT = 0.90)
JSI METAL = 0.12 (D) (INPUT = 1.00)

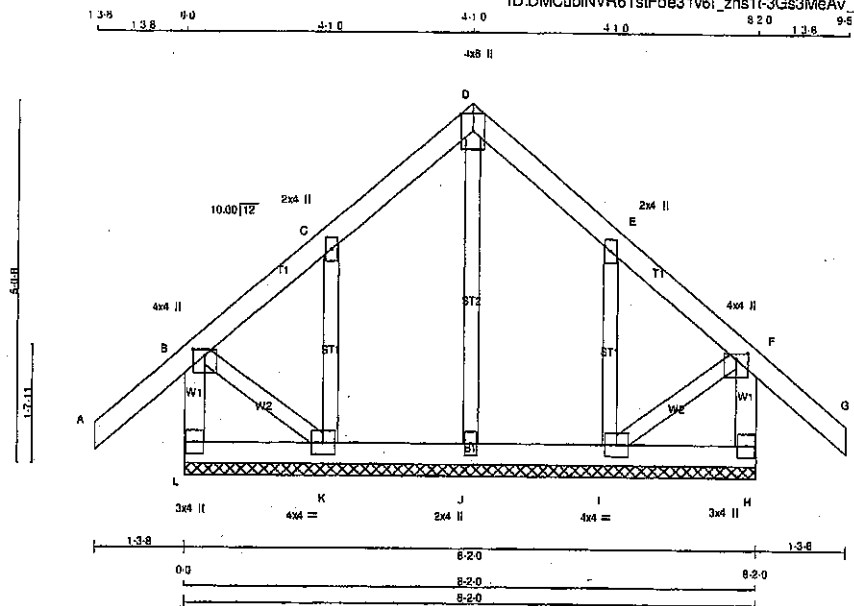


Structural component only
DWG# T-2007139

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408168	G10	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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

TOTAL WEIGHT = 40 lb

LUMBER

N. L. G. A. RULES

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

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

GABLE STUDS SPACED AT 2'-0" O.C.

PLATES (tablets in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00 2.00
C	TMVW+p	MT20	2.0	4.0	
D	TTW+p	MT20	4.0	6.0	Edge
E	TMVW+p	MT20	2.0	4.0	
F	TMVW+p	MT20	4.0	4.0	1.00 2.00
H	BMV1+p	MT20	3.0	4.0	
I	BMVW1+p	MT20	4.0	4.0	
J	BMV1+p	MT20	2.0	4.0	
K	BMVW1+p	MT20	4.0	4.0	
L	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

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	
FR-TO		FROM TO		FR-TO			
L-B	-224 / 0	0.0 0.0 0.02 (1)	7.81	J-D	-128 / 0	0.05 (1)	
A-B	0 / 41	-91.8 -91.8 0.13 (1)	10.00	K-C	-227 / 0	0.04 (1)	
B-C	-11 / 0	-91.8 -91.8 0.06 (1)	6.25	I-E	-227 / 0	0.04 (1)	
C-D	-31 / 0	-91.8 -91.8 0.08 (1)	6.25	B-K	0 / 24	0.01 (1)	
D-E	-31 / 0	-91.8 -91.8 0.06 (1)	6.25	I-F	0 / 24	0.01 (1)	
E-F	-11 / 0	-91.8 -91.8 0.06 (1)	6.25				
F-G	0 / 41	-91.8 -91.8 0.13 (1)	10.00				
H-F	-224 / 0	0.0 0.0 0.02 (1)	7.81				
L-K	0 / 0	-18.5 -18.5 0.02 (4)	10.00				
K-J	0 / 13	-18.5 -18.5 0.02 (4)	10.00				
J-I	0 / 13	-18.5 -18.5 0.02 (4)	10.00				
I-H	0 / 0	-18.5 -18.5 0.02 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. 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 NBC 2010, NBC 2012, ABC 2019
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

CS: TO=0.13/1.00 (A-B:1), BC=0.02/1.00 (J-K:4), WB=0.05/1.00 (D-J:1), SS=0.08/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

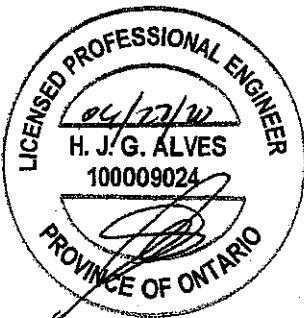
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

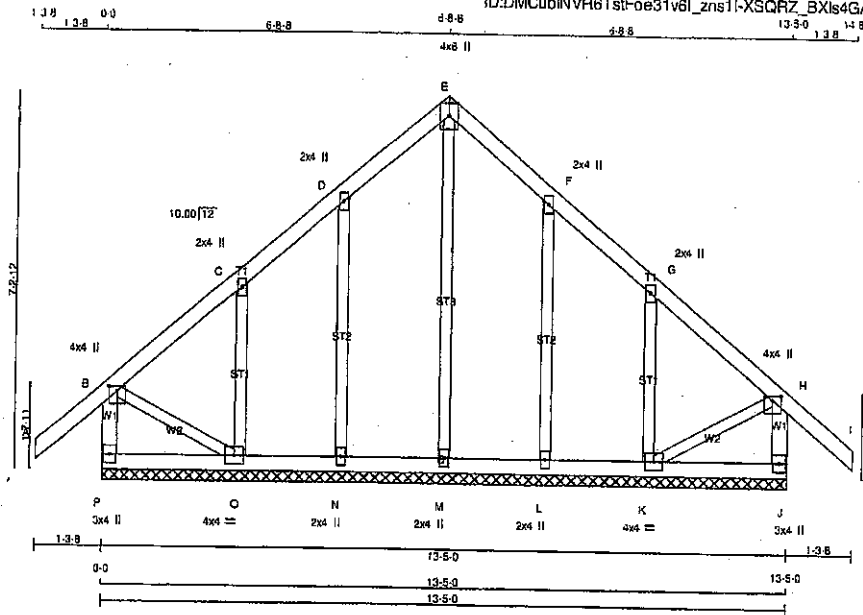
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.17 (C) (INPUT = 0.50)
JSI METAL= 0.12 (C) (INPUT = 1.00)



Structural component only
DWG# T-2007124

JOB NAME 408168	TRUSS NAME G11	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



Scale = 1/40.0

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
P - B	2x4	DRY	No.2	SPF	
A - E	2x4	DRY	No.2	SPF	
E - I	2x4	DRY	No.2	SPF	
J - H	2x4	DRY	No.2	SPF	
P - J	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
ALL GABLE WEBS	2x3	DRY	No.2	SPF	
DRY: SEASONED LUMBER.					
GABLE STUDS SPACED AT	2-0-0	OC.			

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMW+p	MT20	4.0	4.0	1.00	2.00
C, D, F, G					
C TMW+w	MT20	2.0	4.0		
E TMW+p	MT20	4.0	4.0	1.00	2.00
H TMW+p	MT20	4.0	4.0		
J BMV1+p	MT20	3.0	4.0		
K BMW1-i	MT20	4.0	4.0		
L, M, N					
L BMW1+w	MT20	2.0	4.0		
O BMW1-i	MT20	4.0	4.0		
P BMV1+p	MT20	3.0	4.0		

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

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

BEARINGS

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

BRACING

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSF (L/C)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSF (L/C)	
FR-TO		FROM TO		FR-TO			
P-B	-263 / 0	0.0	0.03 (1)	M-E	-128 / 0	0.11 (1)	
A-B	0 / 41	-91.8	-91.8 0.13 (1)	N-D	-190 / 0	0.09 (1)	
B-C	-24 / 0	-91.8	-91.8 0.08 (1)	O-C	-239 / 0	0.08 (1)	
C-D	-36 / 0	-91.8	-91.8 0.08 (1)	L-F	-190 / 0	0.08 (1)	
D-E	-35 / 0	-91.8	-91.8 0.05 (1)	K-G	-239 / 0	0.08 (1)	
E-F	-35 / 0	-91.8	-91.8 0.05 (1)	B-O	0 / 32	0.01 (1)	
F-G	-36 / 0	-91.8	-91.8 0.08 (1)	K-H	0 / 32	0.01 (1)	
G-H	-24 / 0	-91.8	-91.8 0.08 (1)				
H-I	0 / 41	-91.8	-91.8 0.13 (1)				
J-H	-263 / 0	0.0	0.03 (1)				
P-O	0 / 0	-18.5	-18.5 0.03 (4)				
O-N	0 / 22	-18.5	-18.5 0.03 (4)				
N-M	0 / 19	-18.5	-18.5 0.02 (4)				
M-L	0 / 19	-18.5	-18.5 0.02 (4)				
L-K	0 / 22	-18.5	-18.5 0.03 (4)				
K-J	0 / 0	-18.5	-18.5 0.03 (4)				

TOTAL WEIGHT = 65 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

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

THIS DESIGN COMPLIES WITH:

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

CSF: TC=0.13/1.00 (H-1), BC=0.03/1.00 (K-L), WB=0.11/1.00 (E-M), SS=0.08/1.00 (G-H)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.20 (B) (INPUT = 0.90)
JSI METAL = 0.13 (G) (INPUT = 1.00)

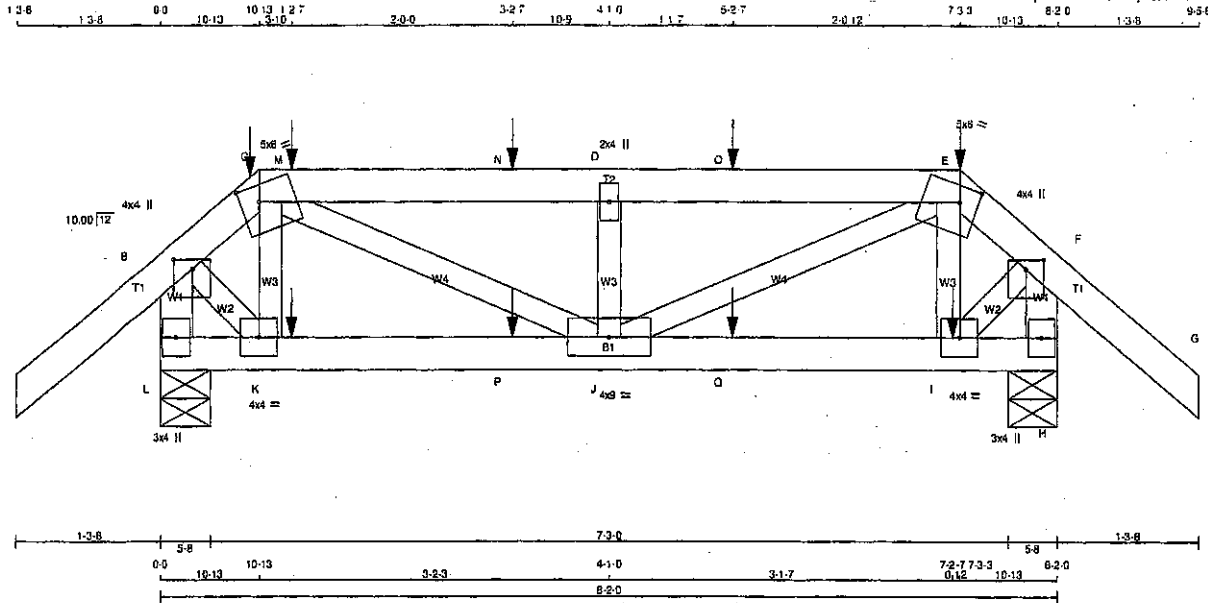


Structural component only
DWG# T-2007125

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408168	T12	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 34 lb
(M)

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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTWW-m	MT20	5.0	5.0	1.75	2.00
D	TMVW-w	MT20	2.0	4.0		
E	TTWW-m	MT20	5.0	5.0	1.75	2.00
F	TMVW+p	MT20	4.0	4.0	1.00	2.00
H	BMV1+p	MT20	3.0	4.0		
I	BMVW-1	MT20	4.0	4.0		
J	BMVWW-1	MT20	4.0	9.0		
K	BMVW-1	MT20	4.0	4.0		
L	BMV1+p	MT20	3.0	4.0		

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

BUILDING DESIGNER

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	UPLIFT
L	913	0	913	0
H	911	0	911	0

UNFACTORED REACTIONS

	1ST LOASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	642	442 / 0	0 / 0	0 / 0	0 / 0	199 / 0	0 / 0
H	641	437 / 0	0 / 0	0 / 0	0 / 0	204 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.82 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	MAX. FACTORED	FACTORED	VERT. LOAD	LOC1	MAX.	MAX.	UNBRAC	MEMB.	MAX. FACTORED	FORCE	MAX.
	MEMB.	FORCE	VERT. LOAD	LOC1	MAX.	MAX.	UNBRAC	MEMB.	MAX. FACTORED	FORCE	MAX.	
FR-TO		(LBS)	(PLF)	CSI (LC)	LENGTH	FR-TO				(LBS)	CSI (LC)	
A-B	0 / 41	-91.8	-91.8	0.14 (1)	10.00	J-D	-487 / 0	0.08 (1)				
B-C	-831 / 0	-91.8	-91.8	0.14 (1)	8.25	K-C	-156 / 0	0.02 (1)				
C-M	-1054 / 0	-91.8	-91.8	0.23 (1)	5.82	C-J	0 / 700	0.17 (1)				
M-N	-1054 / 0	-91.8	-91.8	0.23 (1)	5.82	B-K	0 / 525	0.13 (1)				
N-D	-1054 / 0	-91.8	-91.8	0.23 (1)	5.82	I-E	-149 / 0	0.02 (1)				
D-O	-1054 / 0	-91.8	-91.8	0.23 (1)	5.82	J-E	0 / 698	0.17 (1)				
O-E	-1054 / 0	-91.8	-91.8	0.23 (1)	5.82	I-F	0 / 526	0.13 (1)				
E-F	-832 / 0	-91.8	-91.8	0.14 (1)	6.25							
F-G	0 / 41	-91.8	-91.8	0.14 (1)	10.00							
L-B	-936 / 0	0.0	0.0	0.10 (1)	7.81							
H-F	-937 / 0	0.0	0.0	0.10 (1)	7.81							
L-K	0 / 0	-18.5	-18.5	0.05 (1)	10.00							
K-P	0 / 420	-18.5	-18.5	0.13 (1)	10.00							
P-J	0 / 420	-18.5	-18.5	0.13 (1)	10.00							
J-Q	0 / 421	-18.5	-18.5	0.14 (1)	10.00							
Q-I	0 / 421	-18.5	-18.5	0.14 (1)	10.00							
I-H	0 / 0	-18.5	-18.5	0.05 (1)	10.00							

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LOC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	10-13	-9	-10	---	FRONT	VERT	DEAD	---	C1
C	1-2-7	-114	-114	---	BACK	VERT	TOTAL	---	C1
C	10-13	-44	-44	---	FRONT	VERT	SNOW	---	C1
E	7-3-3	-9	-10	---	FRONT	VERT	DEAD	---	C1
E	7-3-3	-90	-90	---	BACK	VERT	TOTAL	---	C1
E	7-3-3	-44	-44	---	FRONT	VERT	SNOW	---	C1
I	7-2-7	-49	-49	---	BACK	VERT	TOTAL	---	C1
K	1-2-7	-49	-49	---	BACK	VERT	TOTAL	---	C1
N	3-2-7	-82	-82	---	BACK	VERT	TOTAL	---	C1
O	5-2-7	-82	-82	---	BACK	VERT	TOTAL	---	C1
P	3-2-7	-49	-49	---	BACK	VERT	TOTAL	---	C1
Q	5-2-7	-49	-49	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

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

SPECIFIED LOADS:

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

SPACING = 24.0 IN./C/C

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

*** NON STANDARD GIRDER ***

ADDTL USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL.(LL) = L/360 (0.27")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.27")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CSI: TC=0.23/1.00 (C-D:1), BC=0.14/1.00 (I-J:1),
WB=0.17/1.00 (C-J:1), SS=0.22/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

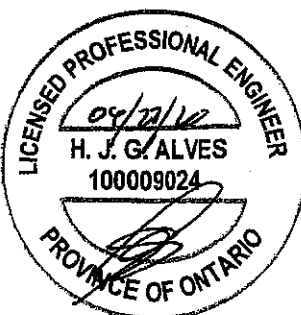
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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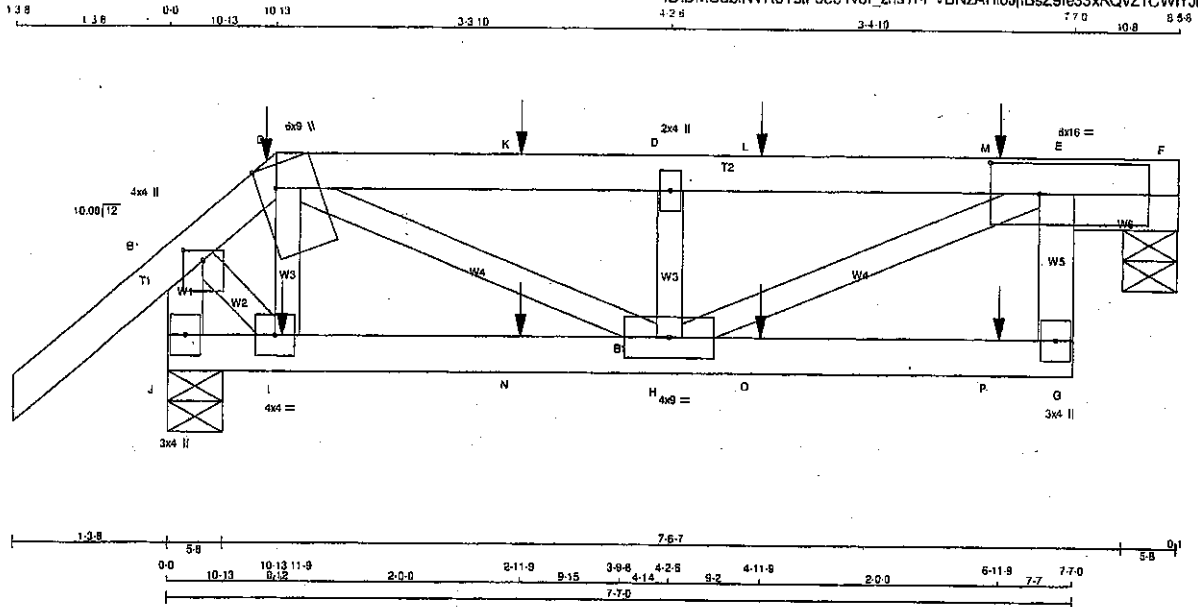


Structural component only
DWG# T-2007141

JOB NAME 408168	TRUSS NAME T13	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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Scale = 1:17.3

LUMBER

N. L. G. A. RULES

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TTWW+m	MT20	6.0	9.0	Edge	1.75
D	TMVW+w	MT20	2.0	4.0		
E	TMVWW-t	MT20	6.0	18.0	3.00	5.00
G	BMV+p	MT20	3.0	4.0		
H	BMVWW-t	MT20	4.0	9.0		
I	BMVW-t	MT20	4.0	4.0		
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 GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
F	695	0	0	5-8
J	936	0	0	5-8

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

UNFACTORED REACTIONS

1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
F	490	327 / 0	0 / 0	0 / 0	0 / 0	163 / 0
J	659	449 / 0	0 / 0	0 / 0	0 / 0	210 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.56 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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 / 41	-91.8	-91.8	0.14 (1)	10.00	I-C	-158 / 0	0.03 (1)	
B-C	-656 / 0	-91.8	-91.8	0.14 (1)	6.25	G-I	0 / 546	0.14 (1)	
C-K	-1230 / 0	-91.8	-91.8	0.46 (1)	5.09	H-D	-767 / 0	0.12 (1)	
K-D	-1230 / 0	-91.8	-91.8	0.46 (1)	5.09	C-H	0 / 867	0.21 (1)	
D-L	-1230 / 0	-91.8	-91.8	0.89 (1)	3.56	H-E	0 / 1345	0.33 (1)	
L-M	-1230 / 0	-91.8	-91.8	0.89 (1)	3.56				
M-E	-1230 / 0	-91.8	-91.8	0.89 (1)	3.56				
E-F	0 / 0	-91.8	-91.8	0.35 (1)	10.00				
G-E	0 / 83	0.0	0.0	0.02 (4)	10.00				
J-B	-965 / 0	0.0	0.0	0.11 (1)	7.81				
J-I	0 / 0	-18.5	-18.5	0.06 (1)	10.00				
I-N	0 / 438	-18.5	-18.5	0.14 (1)	10.00				
N-H	0 / 438	-18.5	-18.5	0.14 (1)	10.00				
H-O	0 / 0	-18.5	-18.5	0.09 (1)	10.00				
O-P	0 / 0	-18.5	-18.5	0.09 (1)	10.00				
P-G	0 / 0	-18.5	-18.5	0.09 (1)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
C	10-13	-9	-10	FRONT	VERT	DEAD	-	C1
C	10-13	-90	-90	FRONT	VERT	TOTAL	-	C1
C	10-13	-44	-44	FRONT	VERT	SNOW	-	C1
I	11-9	-49	-49	FRONT	VERT	TOTAL	-	C1
K	2-11-9	-82	-82	FRONT	VERT	TOTAL	-	C1
L	4-11-9	-82	-82	FRONT	VERT	TOTAL	-	C1
M	8-11-9	-82	-82	FRONT	VERT	TOTAL	-	C1
N	2-11-9	-49	-49	FRONT	VERT	TOTAL	-	C1
O	4-11-9	-49	-49	FRONT	VERT	TOTAL	-	C1
P	6-11-9	-53	-53	FRONT	VERT	TOTAL	-	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

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

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

*** NON STANDARD GIRDER ***

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, 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 (0.25")
CALCULATED VERT. DEFL.(LL) = L/989 (0.07")
ALLOWABLE DEFL.(TL) = L/360 (0.25")
CALCULATED VERT. DEFL.(TL) = L/888 (0.13")

CS1: TC=0.89/1.00 (D-E:1), BC=0.14/1.00 (H-I:1),
WB=0.33/1.00 (E-H:1), SS1=0.42/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

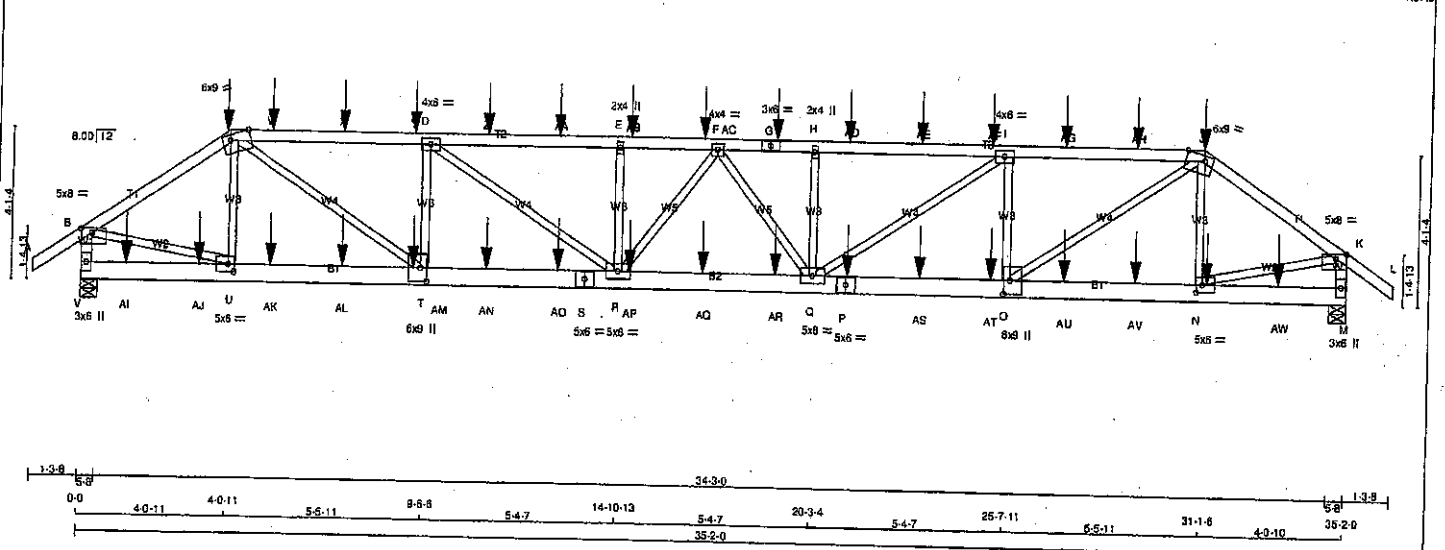
JSI GRIP = 0.79 (C) (INPUT = 0.90)
JSI METAL = 0.30 (H) (INPUT = 1.00)



Structural component only
DWG# T-2007142

JOB NAME 408169 Tamarack Roof Truss, Burlington	TRUSS NAME T20	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Scale = 1:57.3



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

ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					

DRY, SEASONED LUMBER.
DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - C	12	SIDE(161.0)
C - G	12	SIDE(161.0)
G - J	12	SIDE(161.0)
J - L	12	SIDE(161.0)
V - B	12	TOP
M - K	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
V - S	12	SIDE(163.1)
S - P	12	SIDE(163.1)
P - M	12	SIDE(163.1)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.
GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.
TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	IN-SX	IN-SX
V	3342	0	5-8	5-8
M	3393	0	5-8	5-8

UNFACTORED REACTIONS	1ST CASE	MAX/MIN COMPONENT REACTIONS
JT	COMBINED	SNOW
V	2363	1555 / 0
M	2397	1555 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.03 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)	
FR-TO		FROM			FR-TO				
A-B	0 / 35	-91.8	-91.8	0.07 (1)	10.00	U-C	-598 / 0	0.08 (1)	
B-C	-3951 / 0	-91.8	-91.8	0.22 (1)	4.58	C-T	0 / 3530	0.44 (1)	
C-W	-6186 / 0	-91.8	-91.8	0.61 (1)	3.41	T-D	-1829 / 0	0.23 (1)	
W-X	-6186 / 0	-91.8	-91.8	0.61 (1)	3.41	D-R	0 / 1602	0.20 (1)	
X-Y	-6186 / 0	-91.8	-91.8	0.61 (1)	3.41	R-E	-602 / 0	0.08 (1)	
Y-D	-6186 / 0	-91.8	-91.8	0.61 (1)	3.41	Q-H	-598 / 0	0.08 (1)	
D-Z	-7502 / 0	-91.8	-91.8	0.71 (1)	3.03	Q-I	0 / 1573	0.19 (1)	
Z-AA	-7502 / 0	-91.8	-91.8	0.71 (1)	3.03	I-L	-1806 / 0	0.23 (1)	
AA-E	-7502 / 0	-91.8	-91.8	0.71 (1)	3.03	C-J	0 / 3493	0.43 (1)	
E-AB	-7502 / 0	-91.8	-91.8	0.35 (1)	3.33	N-J	-618 / 0	0.08 (1)	
AB-AC	-7502 / 0	-91.8	-91.8	0.35 (1)	3.33	B-U	0 / 3374	0.42 (1)	
AC-F	-7502 / 0	-91.8	-91.8	0.35 (1)	3.33	N-K	0 / 3439	0.43 (1)	
F-G	-7509 / 0	-91.8	-91.8	0.37 (1)	3.31	R-F	-179 / 0	0.03 (1)	
G-H	-7509 / 0	-91.8	-91.8	0.37 (1)	3.31	F-Q	-186 / 0	0.03 (1)	
H-AD	-7509 / 0	-91.8	-91.8	0.71 (1)	3.03				
AD-AE	-7509 / 0	-91.8	-91.8	0.71 (1)	3.03				
AE-AF	-7509 / 0	-91.8	-91.8	0.71 (1)	3.03				
AF-I	-7509 / 0	-91.8	-91.8	0.71 (1)	3.03				
I-AG	-6217 / 0	-91.8	-91.8	0.71 (1)	3.03				
AG-AH	-6217 / 0	-91.8	-91.8	0.61 (1)	3.41				
AH-J	-6217 / 0	-91.8	-91.8	0.61 (1)	3.41				
J-K	-6217 / 0	-91.8	-91.8	0.61 (1)	3.41				
K-L	-4025 / 0	-91.8	-91.8	0.22 (1)	4.55				
L	0 / 35	-91.8	-91.8	0.07 (1)	10.00				
V-B	-3298 / 0	0.0	0.0	0.18 (1)	6.41				
M-K	-3356 / 0	0.0	0.0	0.19 (1)	6.36				

V-AI	0 / 0	-18.5	-18.5	0.05 (4)	10.00
AI-AJ	0 / 0	-18.5	-18.5	0.05 (4)	10.00
AJ-U	0 / 0	-18.5	-18.5	0.05 (4)	10.00
U-AK	0 / 3285	-18.5	-18.5	0.25 (1)	10.00
AK-AL	0 / 3285	-18.5	-18.5	0.25 (1)	10.00
AL-AM	0 / 3285	-18.5	-18.5	0.25 (1)	10.00
AM-T	0 / 3285	-18.5	-18.5	0.25 (1)	10.00
T-AN	0 / 6186	-18.5	-18.5	0.46 (1)	10.00
AN-AO	0 / 6186	-18.5	-18.5	0.46 (1)	10.00
AO-S	0 / 6186	-18.5	-18.5	0.46 (1)	10.00
S-R	0 / 6186	-18.5	-18.5	0.46 (1)	10.00
R-AP	0 / 7806	-18.5	-18.5	0.56 (1)	10.00
AP-AQ	0 / 7806	-18.5	-18.5	0.56 (1)	10.00
AQ-AR	0 / 7806	-18.5	-18.5	0.56 (1)	10.00
AR-O	0 / 7806	-18.5	-18.5	0.56 (1)	10.00
O-P	0 / 6217	-18.5	-18.5	0.46 (1)	10.00
P-AS	0 / 6217	-18.5	-18.5	0.46 (1)	10.00

TOTAL WEIGHT = 2 X 160 = 321 lb

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

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

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

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF 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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = L/999 (0.23")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/984 (0.44")

CSI: TO=0.71/1.00 (D-E:1), BC=0.56/1.00 (Q-R:1), WB=0.44/1.00 (C-T:1), SSI=0.23/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.71 (G) (INPUT = 0.90)
JSI METAL= 0.59 (S) (INPUT = 1.00)

CONTINUED ON PAGE 2



Structural component only
DWG# T-2007145 1/2

JOB NAME:	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408169	T20	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:K?TPdngl0np1qlybbWOFzideG-l8ltqasn1sB7 Budbz0zKub4B6zN xr0MZbH0gzNBDF

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	1.50	3.50
C	TTWW-m	MT20	6.0	9.0	Edge 6.25	
D	TMVW-t	MT20	4.0	6.0		
E	TMVW-w	MT20	2.0	4.0		
F	TMVW-t	MT20	4.0	4.0		
G	TS-t	MT20	3.0	6.0		
H	TMVW-w	MT20	2.0	4.0		
I	TMVW-t	MT20	4.0	6.0		
J	TTWW-m	MT20	6.0	9.0	Edge 6.25	
K	TMVW-p	MT20	5.0	8.0	1.50	3.50
M	BMV1-p	MT20	3.0	6.0		
N	BMVW-t	MT20	5.0	6.0	2.50	2.00
O	BMVW-t	MT20	6.0	9.0	4.50	2.00
P	BS-t	MT20	5.0	6.0		
Q	BMVW-t	MT20	5.0	8.0		
R	BMVW-t	MT20	5.0	8.0		
S	BS-t	MT20	5.0	6.0		
T	BMVW-t	MT20	6.0	9.0	4.50	2.00
U	BMVW-t	MT20	5.0	8.0	2.50	2.00
V	BMV1-p	MT20	3.0	6.0		

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	LC1 (LBS)	MAX. FACTORED (LBS)	MAX. FACTORED (LBS)	MEMB. FORCE (LBS)	MAX. FACTORED (LBS)
FR-TO	FROM	TO	CS1 (LC)	UNBRAC	LENGTH FR-TO		
AS-AT	0/6217	-18.5	-18.5	0.46 (1)	10.00		
AT-O	0/6217	-18.5	-18.5	0.46 (1)	10.00		
O-AU	0/3326	-18.5	-18.5	0.26 (1)	10.00		
AU-AV	0/3326	-18.5	-18.5	0.26 (1)	10.00		
AV-N	0/3326	-18.5	-18.5	0.26 (1)	10.00		
N-AW	0/0	-18.5	-18.5	0.04 (4)	10.00		
AW-M	0/0	-18.5	-18.5	0.04 (4)	10.00		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	4-0-11	-49	-55	---	FRONT	VERT	DEAD	---	C1
C	4-0-11	-254	-254	---	FRONT	VERT	SNOW	---	C1
G	19-2-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
J	31-1-6	-49	-55	---	FRONT	VERT	DEAD	---	C1
J	31-1-6	-117	-117	---	BACK	VERT	TOTAL	---	C1
J	31-1-6	-254	-254	---	FRONT	VERT	SNOW	---	C1
N	31-2-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
P	21-2-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
W	5-2-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
X	7-2-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
Y	9-2-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
Z	11-2-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
AA	13-2-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
AB	15-2-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
AC	17-2-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
AD	21-2-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
AE	23-2-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
AF	25-2-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
AG	27-2-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
AH	29-2-12	-110	-110	---	BACK	VERT	TOTAL	---	C1
AI	1-2-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AJ	3-2-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AK	5-2-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AL	7-2-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AM	9-2-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AN	11-2-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AO	13-2-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AP	15-2-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AQ	17-2-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AR	19-2-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AS	23-2-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AT	25-2-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AU	27-2-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AV	29-2-12	-26	-26	---	BACK	VERT	TOTAL	---	C1
AW	33-2-12	-26	-26	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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



Structural component only
DWG# T-2007145

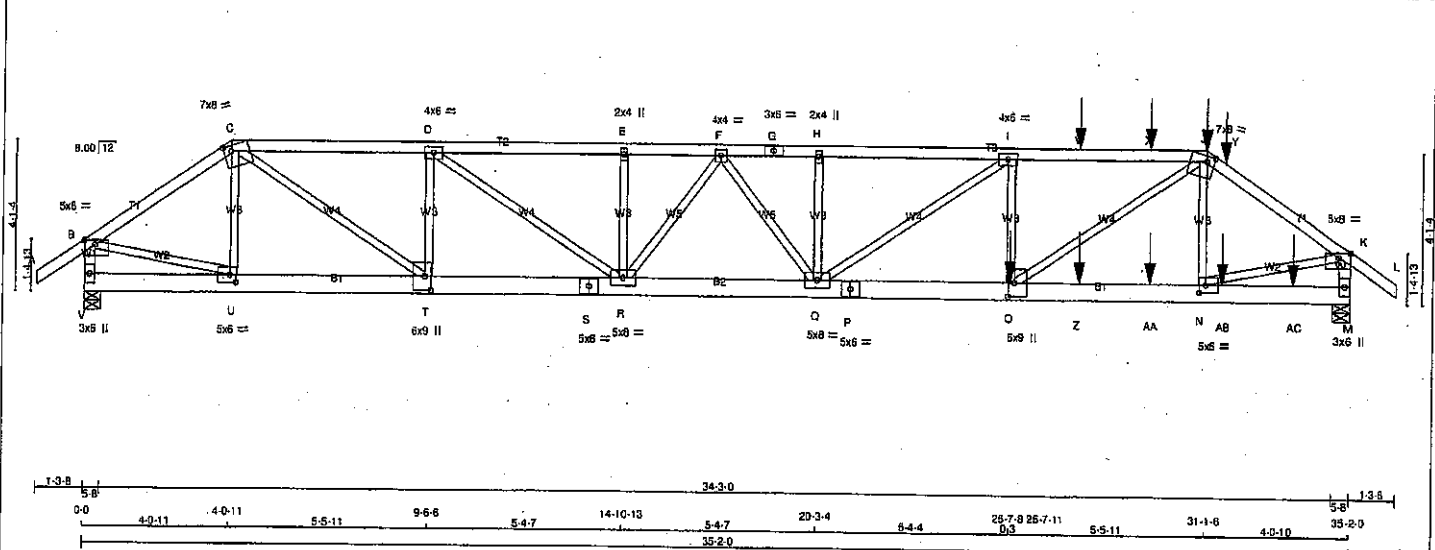
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408169	T20Z	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:57.3



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

ALL WEBS 2x3 DRY No.2 SPF

EXCEPT

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-C	12	TOP
C-G	12	TOP
G-J	12	SIDE(61.0)
J-L	12	SIDE(61.0)
V-B	12	TOP
M-K	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
V-S	12	TOP
S-P	12	TOP
P-M	12	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	SIDE(557.9)
I-O	3	
D-T	3	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-8 INCH NAILS.

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	DOWN	IN-SX	IN-SX
V	2938	0	0	5-8
M	4796	0	0	5-8

UNFACTORED REACTIONS	1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
V	2073	1388 / 0 0 / 0 0 / 0 684 / 0 0 / 0
M	3381	2278 / 0 0 / 0 0 / 0 1103 / 0 0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.57 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	MAX. UNBRACED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. (PLF)	LC1 (L)	MAX. CS1 (L)	MEMB.	FORCE (LBS)
FR-TO		FROM TO		LENGTH	FR-TO	
A-B	0 / 35	-91.8 -91.8	0.07 (1)	10.00	U-C	-564 / 0
B-C	-3442 / 0	-91.8 -91.8	0.20 (1)	4.86	C-T	0 / 3700
C-D	-5905 / 0	-91.8 -91.8	0.43 (1)	3.70	T-D	-1983 / 0
D-E	-7947 / 0	-91.8 -91.8	0.58 (1)	3.11	D-R	0 / 2485
E-F	-7947 / 0	-91.8 -91.8	0.31 (1)	3.30	R-E	-388 / 0
F-G	-9222 / 0	-91.8 -91.8	0.38 (1)	3.01	Q-H	-346 / 0
G-H	-9222 / 0	-91.8 -91.8	0.38 (1)	3.01	C-I	-503 / 0
H-I	-9222 / 0	-91.8 -91.8	0.77 (1)	2.73	O-I	-397 / 0
I-W	-8535 / 0	-91.8 -91.8	0.88 (1)	2.57	O-J	0 / 5776
W-X	-8535 / 0	-91.8 -91.8	0.88 (1)	2.57	N-J	-915 / 0
X-Y	-8535 / 0	-91.8 -91.8	0.88 (1)	2.57	B-U	0 / 2940
J-Y	-5847 / 0	-91.8 -91.8	0.33 (1)	3.78	N-K	0 / 5020
Y-K	-5847 / 0	-91.8 -91.8	0.33 (1)	3.78	R-F	-1209 / 0
K-L	0 / 35	-91.8 -91.8	0.07 (1)	10.00	F-Q	0 / 974
V-B	-2914 / 0	0.0 0.0	0.16 (1)	6.74		
M-K	-4771 / 0	0.0 0.0	0.27 (1)	5.48		
V-U	0 / 0	-18.5 -18.5	0.03 (4)	10.00		
U-T	0 / 2843	-18.5 -18.5	0.21 (1)	10.00		
T-S	0 / 5906	-18.5 -18.5	0.44 (1)	10.00		
S-R	0 / 5906	-18.5 -18.5	0.44 (1)	10.00		
R-Q	0 / 8653	-18.5 -18.5	0.82 (1)	10.00		
Q-P	0 / 9635	-18.5 -18.5	0.72 (1)	10.00		
P-O	0 / 9635	-18.5 -18.5	0.72 (1)	10.00		
O-Z	0 / 4855	-18.5 -18.5	0.41 (1)	10.00		
Z-AA	0 / 4855	-18.5 -18.5	0.41 (1)	10.00		
AA-N	0 / 4855	-18.5 -18.5	0.41 (1)	10.00		
N-AB	0 / 0	-18.5 -18.5	0.06 (4)	10.00		
AB-AC	0 / 0	-18.5 -18.5	0.06 (4)	10.00		
AC-M	0 / 0	-18.5 -18.5	0.06 (4)	10.00		

FACTORED CONCENTRATED LOADS (LBS)	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
JT	31-1-8	-49	-55	---	FRONT	VERT	DEAD	---	C1
J	31-1-8	-254	-254	---	FRONT	VERT	SNOW	---	C1
O	25-7-8	-2840	-2840	---	FRONT	VERT	TOTAL	---	C1
W	27-8-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
X	29-5-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Y	31-6-12	-136	-136	---	FRONT	VERT	TOTAL	---	C1
Z	27-6-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AA	29-6-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AB	31-8-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AC	33-6-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1

TOTAL WEIGHT = 2 X 160 = 321 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 = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

*** 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, NBC 2010, NBC 2015

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

(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 (1.17")
CALCULATED VERT. DEFL.(LL) = L/939 (0.28")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/832 (0.51")

CSI: TC=0.88/1.00 (I-J:1), BC=0.72/1.00 (I-Q:1), WB=0.71/1.00 (J-C:1), SSI=0.18/1.00 (I-J:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 616 354 1657 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.89 (C) (INPUT = 0.80)
JSI METAL=0.87 (S) (INPUT = 1.00)



Structural component only
DWG# T-2007146 1/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408169	T20Z	1	2	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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ID:K7TPdha0npl1qYdbWIDFzIdG-AKHFWtPogK cKTp9gXCi67DKWF2Jk8bCKaw7zNBDe

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	1.50	3.50
C	TTWW-m	MT20	7.0	8.0	1.75	2.50
D	TMWW-l	MT20	4.0	6.0		
E	TMW+ww	MT20	2.0	4.0		
F	TMWW-l	MT20	4.0	4.0		
G	TS-l	MT20	3.0	6.0		
H	TMW+ww	MT20	2.0	4.0		
I	TMWW-l	MT20	4.0	6.0		
J	TTWW-m	MT20	7.0	8.0	1.75	2.50
K	TMVW-p	MT20	5.0	8.0	1.50	3.50
M	BMV1+p	MT20	3.0	6.0		
N	BMWW-l	MT20	5.0	8.0	2.50	2.00
O	BMWW-l	MT20	6.0	9.0	4.50	2.00
P	BS-l	MT20	5.0	6.0		
Q	BMWW-l	MT20	5.0	8.0		
R	BMWW-l	MT20	5.0	8.0		
S	BS-l	MT20	5.0	6.0		
T	BMWW-l	MT20	6.0	9.0	4.50	2.00
U	BMWW-l	MT20	5.0	6.0	2.50	2.00
V	BMV1+p	MT20	3.0	6.0		

CONNECTION REQUIREMENTS

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

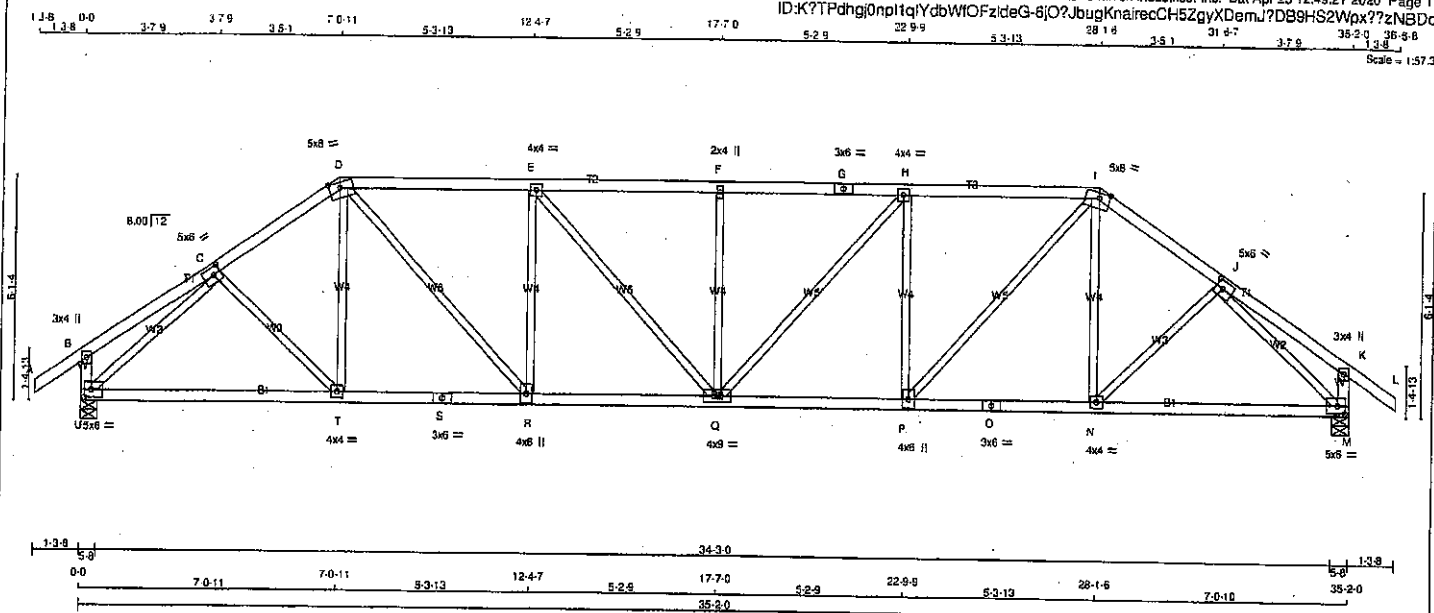


Structural component only
DWG# T-2007146 32

Structural component only
DWG# T-2007147

JOB NAME 408169	TRUSS NAME T22	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 ID:K?TPdngj0nplqYdbWIOFzideG-6jO?JugKnairecCH5ZgyXDemJ?DB9HS2Wpx??zNBDC



LUMBER			
N.L.G.A. RULES	CHORDS	SIZE	LUMBER
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
G - I	2x4	DRY	No.2
I - L	2x4	DRY	No.2
U - S	2x4	DRY	No.2
M - K	2x4	DRY	No.2
U - S	2x4	DRY	No.2
S - O	2x4	DRY	No.2
O - M	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
DRY, SEASONED LUMBER.			

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

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

BEARINGS		FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UP	IN-SX	IN-SX
U	2065	0	2065	0	5-8
M	2065	0	2065	0	5-8

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

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

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

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

LOADING
 TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FR-TO	
A-B	0 / 35	C-T	0 / 135
B-C	0 / 18	D-T	0 / 90
C-D	-2305 / 0	D-R	0 / 1218
D-E	-2723 / 0	E-R	-814 / 0
E-F	-2986 / 0	E-Q	0 / 363
F-G	-2986 / 0	Q-F	-440 / 0
G-H	-2986 / 0	Q-H	0 / 363
H-I	-2723 / 0	P-H	-814 / 0
I-J	-2305 / 0	P-I	0 / 1218
J-K	0 / 18	N-I	0 / 90
K-L	0 / 35	N-J	0 / 136
U-B	-255 / 0	U-C	-2515 / 0
M-K	-255 / 0	J-M	-2514 / 0
U-T	0 / 1802		
T-S	0 / 1901		
S-R	0 / 1901		
R-Q	0 / 2724		
Q-P	0 / 2723		
P-O	0 / 1900		
O-N	0 / 1900		
N-M	0 / 1801		

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

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

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

CSI: TC=0.55/1.00 (E-F:1), BC=0.49/1.00 (Q-R:1), WB=0.97/1.00 (C-U:1), SS=0.23/1.00 (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 818 354 1867 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.90 (M) (INPUT = 0.90)
 JSI METAL = 0.83 (C) (INPUT = 1.00)

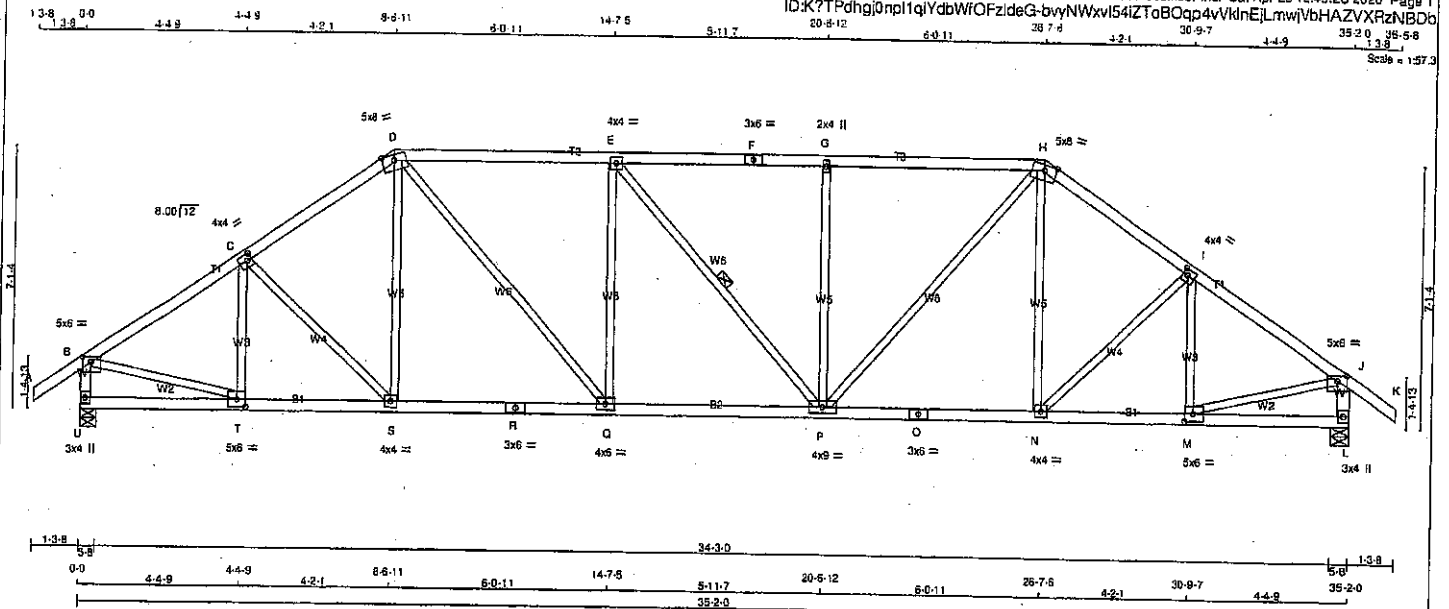


Structural component only
 DWG# T-2007148

JOB NAME 408169	TRUSS NAME T23	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.75	2.75
C	TMVW-t	MT20	4.0	4.0	2.00	1.50
D	TTWW-m	MT20	5.0	8.0	Edge	
E	TMVW-t	MT20	4.0	4.0		
F	TS-t	MT20	3.0	6.0		
G	TMVW-w	MT20	2.0	4.0		
H	TTWW-m	MT20	5.0	8.0	Edge	
I	TMVW-t	MT20	4.0	4.0		
J	TMVW-p	MT20	5.0	6.0	1.75	2.75
L	BMVW-p	MT20	3.0	4.0		
N	BMVW-t	MT20	5.0	6.0	2.50	2.75
O	BS-t	MT20	4.0	4.0		
P	BMVW-w	MT20	4.0	9.0		
Q	BMVW-t	MT20	4.0	6.0		
R	BS-t	MT20	3.0	6.0		
S	BMVW-t	MT20	4.0	4.0		
T	BMVW-t	MT20	5.0	6.0	2.50	2.75
U	BMVW-p	MT20	3.0	4.0		

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQ'D	
JT	VERT	GROSS REACTION	DOWN	GROSS REACTION	DOWN	BRG	IN-SX	BRG	IN-SX
U	2085	0	2085	0	0	5-8	5-8		
L	2085	0	2085	0	0	5-8	5-8		

UNFACTORED REACTIONS		1ST LOSE		MAX/MIN. COMPONENT REACTIONS		LIVE		PERM. LIVE		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	VERT	DOWN	UP	DOWN	UP	DOWN	UP	DOWN	UP	DOWN	UP	DOWN	UP
U	1458	970 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0
L	1458	970 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.72 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		MAX. FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1	MAX. (PLF)	MAX. (LC)	MEMB.	FORCE (LBS)	MAX. (LBS)	MAX. (LC)
FR-TO		FROM	TO			FR-TO			
A-B	0 / 35	-91.8	-91.8	0.12 (1)	10.00	T-C	-396 / 0	0.11 (1)	
B-C	-2270 / 0	-91.8	-91.8	0.37 (1)	4.19	C-S	-79 / 0	0.05 (1)	
C-D	-2254 / 0	-91.8	-91.8	0.36 (1)	4.21	S-D	0 / 156	0.04 (4)	
D-E	-2485 / 0	-91.8	-91.8	0.84 (1)	3.72	D-Q	0 / 949	0.21 (1)	
E-F	-2483 / 0	-91.8	-91.8	0.84 (1)	3.72	Q-E	-597 / 0	0.52 (1)	
F-G	-2483 / 0	-91.8	-91.8	0.84 (1)	3.72	E-P	-2 / 0	0.00 (1)	
G-H	-2483 / 0	-91.8	-91.8	0.83 (1)	3.74	P-G	-595 / 0	0.52 (1)	
H-I	-2254 / 0	-91.8	-91.8	0.36 (1)	4.21	P-H	0 / 947	0.21 (1)	
I-J	-2289 / 0	-91.8	-91.8	0.37 (1)	4.19	H-N	0 / 157	0.04 (4)	
J-K	0 / 35	-91.8	-91.8	0.12 (1)	10.00	N-I	-78 / 0	0.05 (1)	
U-B	-2027 / 0	0.0	0.0	0.21 (1)	5.94	M-I	-397 / 0	0.11 (1)	
L-J	-2026 / 0	0.0	0.0	0.21 (1)	5.94	B-T	0 / 1966	0.44 (1)	
						M-J	0 / 1966	0.44 (1)	
U-T	0 / 0	-18.5	-18.5	0.08 (4)	10.00				
T-S	0 / 1909	-18.5	-18.5	0.37 (1)	10.00				
S-R	0 / 1854	-18.5	-18.5	0.36 (1)	10.00				
R-Q	0 / 1854	-18.5	-18.5	0.36 (1)	10.00				
Q-P	0 / 2485	-18.5	-18.5	0.47 (1)	10.00				
P-O	0 / 1854	-18.5	-18.5	0.36 (1)	10.00				
O-N	0 / 1854	-18.5	-18.5	0.36 (1)	10.00				
N-M	0 / 1909	-18.5	-18.5	0.37 (1)	10.00				
M-L	0 / 0	-18.5	-18.5	0.08 (4)	10.00				

TOTAL WEIGHT = 2 X 155 = 309 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 = 38.0 PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBCC 2015, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2018 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

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

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

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES							
PLATE GRIP(DRY)		SHEAR		SECTION			
(PSI)		(PLI)		(PLI)			
MAX	MIN	MAX	MIN	MAX	MIN		
MT20	818	354	1667	788	1987	1668	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

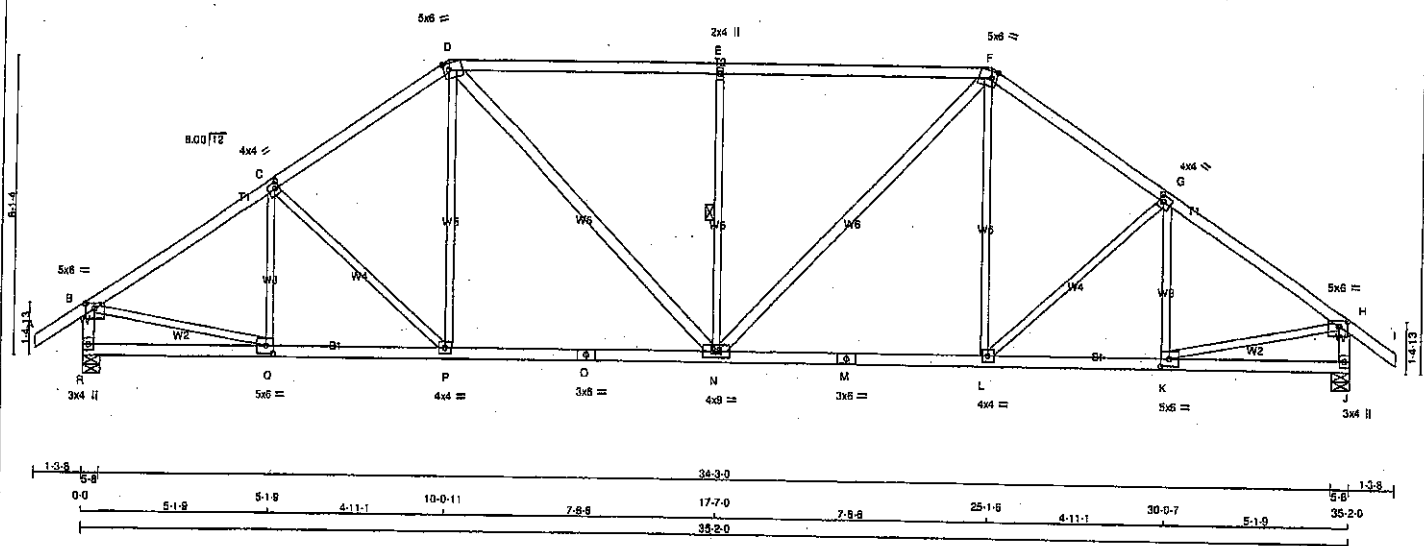
JSI GRIP= 0.90 (D) (INPUT = 0.90)
JSI METAL= 0.62 (D) (INPUT = 1.00)



Structural component only
DWG# T-2007149

Tamarack Roof Truss, Burlington

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7 6 6 25 1 d 5 1 1 1 30-0-7 5 1 9 35 2 0 26-6-8
Scale = 1:57.1



DRY: SEASONED LUMBER.

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

UNFACTORED REACTIONS

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.47 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

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 (N. C/C)

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

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

THIS DESIGN COMPLIES WITH:

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

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

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

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
MT20	618	354	1667	788	1987
					1658

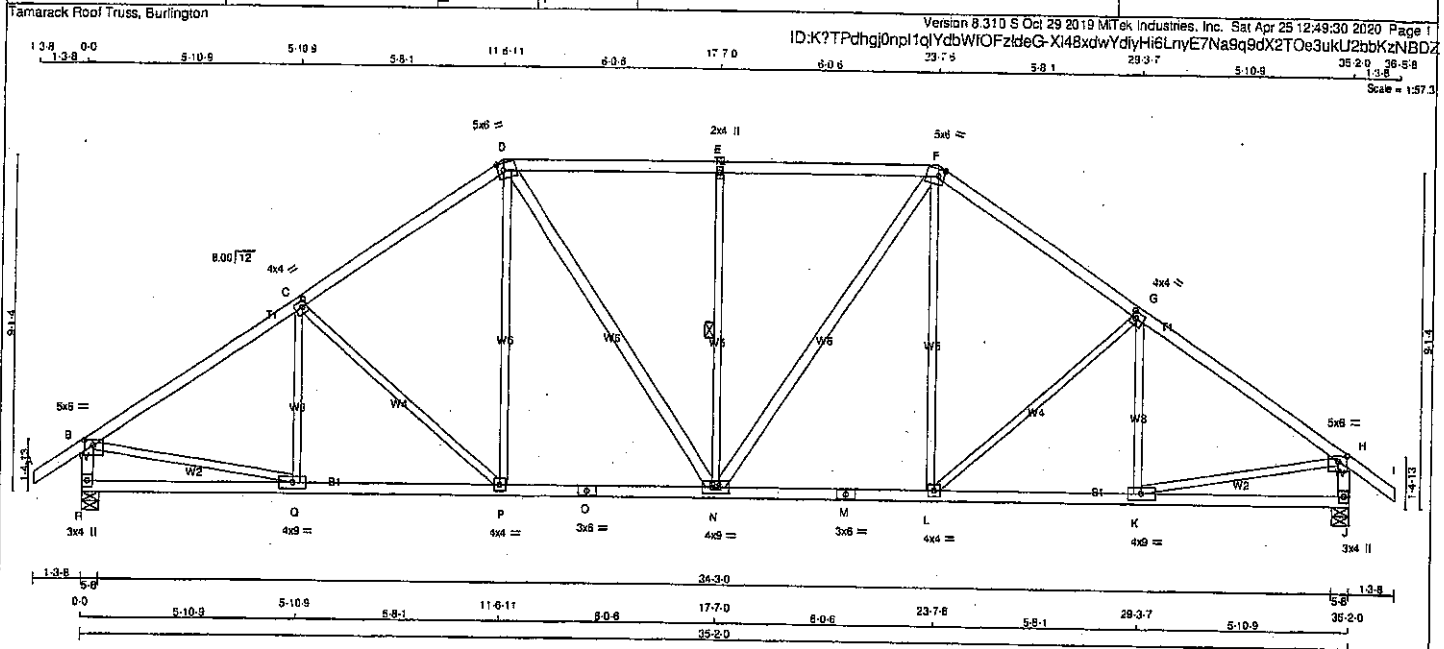
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (B) (INPUT = 0.90)
JSI METAL= 0.64 (M) (INPUT = 1.00)



Structural component only
DWG# T-2007150



LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	5.0	1.75	2.75
C	TMVW-l	MT20	4.0	4.0	2.00	1.50
D	TTVW-m	MT20	5.0	6.0	2.25	2.00
E	TMVW-w	MT20	2.0	4.0		
F	TTVW-m	MT20	5.0	6.0	2.25	2.00
G	TMVW-l	MT20	4.0	4.0	2.00	1.50
H	TMVW-p	MT20	5.0	6.0	1.75	2.75
J	BMV1+p	MT20	3.0	4.0		
K	BMVW-l	MT20	4.0	9.0		
L	BMVW-l	MT20	4.0	4.0		
M	BS-l	MT20	3.0	8.0		
N	BMVW-w-l	MT20	4.0	9.0		
O	BS-l	MT20	3.0	6.0		
P	BMVW-l	MT20	4.0	4.0		
Q	BMVW-l	MT20	4.0	9.0		
R	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQRD BRG IN-SX
	VERT	HORIZ	DOWN	HORIZ		
R	2085	0	2085	0	5-8	5-8
J	2085	0	2085	0	5-8	5-8

UNFACTORED REACTIONS

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

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.99 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF EN.

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)

MAX. FACTORED				WEBS			
MEMB.	FORCE (LBS)	FACTORED VERT. LOAD L1 (PLF)	MAX CS (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CS (LC)	
FR-TO		FROM TO		LENGTH FR-TO			
A-B	0 / 35	-91.8 -91.8	0.12 (1)	10.00	Q-C	-248 / 11 0.11 (1)	
B-C	-2347 / 0	-91.8 -91.8	0.52 (1)	3.99	C-P	-356 / 0 0.42 (1)	
C-D	-2098 / 0	-91.8 -91.8	0.48 (1)	4.22	P-D	0 / 342 0.08 (1)	
D-E	-1985 / 0	-91.8 -91.8	0.49 (1)	4.26	D-N	0 / 477 0.08 (1)	
E-F	-1985 / 0	-91.8 -91.8	0.49 (1)	4.26	N-E	-677 / 0 0.37 (1)	
F-G	-2098 / 0	-91.8 -91.8	0.48 (1)	4.22	N-F	0 / 477 0.08 (1)	
G-H	-2348 / 0	-91.8 -91.8	0.52 (1)	3.99	L-F	0 / 341 0.08 (1)	
H-I	0 / 35	-91.8 -91.8	0.12 (1)	10.00	L-G	-356 / 0 0.42 (1)	
R-B	-2018 / 0	0.0 0.0	0.21 (1)	5.94	K-G	-249 / 11 0.11 (1)	
J-H	-2018 / 0	0.0 0.0	0.21 (1)	5.94	B-Q	0 / 2014 0.45 (1)	
					K-H	0 / 2014 0.45 (1)	
R-Q	0 / 0	-18.5 -18.5	0.14 (4)	10.00			
Q-P	0 / 1981	-18.5 -18.5	0.39 (1)	10.00			
P-O	0 / 1718	-18.5 -18.5	0.34 (1)	10.00			
O-N	0 / 1718	-18.5 -18.5	0.34 (1)	10.00			
N-M	0 / 1718	-18.5 -18.5	0.34 (1)	10.00			
M-L	0 / 1718	-18.5 -18.5	0.34 (1)	10.00			
L-K	0 / 1980	-18.5 -18.5	0.39 (1)	10.00			
K-J	0 / 0	-18.5 -18.5	0.14 (4)	10.00			

TOTAL WEIGHT = 2 X 165 = 329 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

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

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

CSI: TC=0.52/1.00 (B-C:1), 9C=0.39/1.00 (P-Q:1), WB=0.45/1.00 (B-Q:1), SSI=0.27/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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

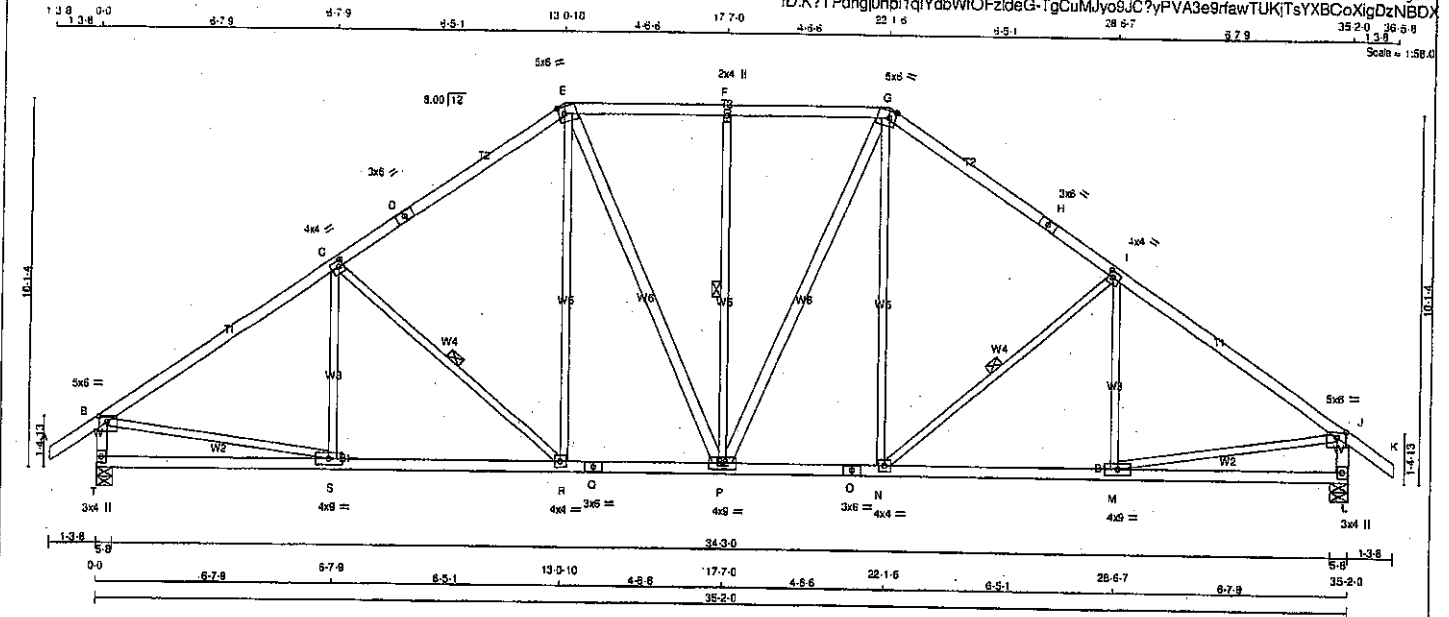


Structural component only
DWG# T-2007151

JOB NAME 408169	TRUSS NAME T26	QUANTITY 5	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.75	2.75
C	TMVW-t	MT20	4.0	4.0	2.00	1.50
D	TS-t	MT20	3.0	6.0		
E	TTVW-m	MT20	5.0	6.0	2.25	2.00
F	TMVW-w	MT20	2.0	4.0		
G	TTVW-m	MT20	5.0	6.0	2.25	2.00
H	TS-t	MT20	3.0	6.0		
I	TMVW-t	MT20	4.0	4.0	2.00	1.50
J	TMVW-p	MT20	5.0	6.0	1.75	2.75
L	BMV1-p	MT20	3.0	4.0		
M	BMVW-t	MT20	4.0	9.0		
N	BMVW-t	MT20	4.0	4.0		
O	BS-t	MT20	3.0	6.0		
P	BMVW-t	MT20	4.0	9.0		
Q	BS-t	MT20	3.0	6.0		
R	BMVW-t	MT20	4.0	4.0		
S	BMVW-t	MT20	4.0	9.0		
T	BMV1-p	MT20	3.0	4.0		

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
T	2065	0	2065	0	5-8	5-8
L	2065	0	2065	0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
T	1458	970 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0
L	1458	970 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.77 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED HORZ. LOAD (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED HORZ. LOAD (LC)
FR-TO				FR-TO			
A-B	0 / 35	-91.8	-91.8 0.12 (1)	S-C	-189 / 46	0.10 (1)	0.10 (1)
B-C	-2359 / 0	-91.8	-91.8 0.09 (1)	C-R	-485 / 0	0.24 (1)	0.24 (1)
C-D	-1896 / 0	-91.8	-91.8 0.02 (1)	E-P	0 / 418	0.09 (1)	0.09 (1)
D-E	-1896 / 0	-91.8	-91.8 0.02 (1)	F-P	0 / 315	0.08 (1)	0.08 (1)
E-F	-1781 / 0	-91.8	-91.8 0.27 (1)	P-F	-502 / 0	0.35 (1)	0.35 (1)
F-G	-1781 / 0	-91.8	-91.8 0.27 (1)	P-G	0 / 315	0.08 (1)	0.08 (1)
G-H	-1896 / 0	-91.8	-91.8 0.02 (1)	N-G	0 / 415	0.09 (1)	0.09 (1)
H-I	-1896 / 0	-91.8	-91.8 0.02 (1)	N-I	-484 / 0	0.24 (1)	0.24 (1)
I-J	-2358 / 0	-91.8	-91.8 0.09 (1)	M-I	-189 / 46	0.10 (1)	0.10 (1)
J-K	0 / 35	-91.8	-91.8 0.12 (1)	B-S	0 / 2022	0.45 (1)	0.45 (1)
T-B	-2014 / 0	0.0	0.0 0.21 (1)	M-J	0 / 2021	0.45 (1)	0.45 (1)
L-J	-2014 / 0	0.0	0.0 0.21 (1)				
T-S	0 / 0	-18.5	-18.5 0.19 (4)				
S-R	0 / 1996	-18.5	-18.5 0.42 (1)				
R-Q	0 / 1629	-18.5	-18.5 0.32 (1)				
Q-P	0 / 1629	-18.5	-18.5 0.32 (1)				
P-O	0 / 1629	-18.5	-18.5 0.32 (1)				
O-N	0 / 1629	-18.5	-18.5 0.32 (1)				
N-M	0 / 1996	-18.5	-18.5 0.42 (1)				
M-L	0 / 0	-18.5	-18.5 0.19 (4)				

TOTAL WEIGHT = 5 X 172 = 858 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = L/969 (0.09")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/969 (0.18")

CSI: TC=0.69/1.00 (B-C:1), BC=0.42/1.00 (R-S:1), WB=0.45/1.00 (B-S:1), SS=0.24/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

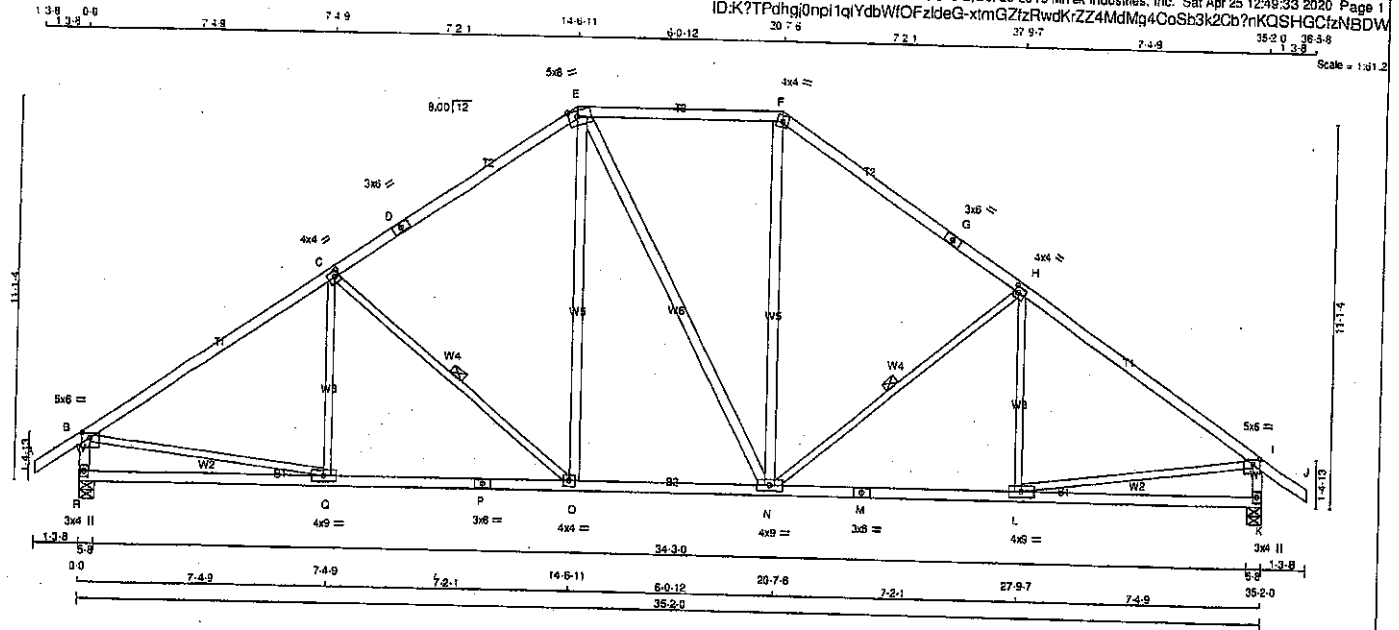
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.67 (B) (INPUT = 0.90)
JSI METAL= 0.50 (O) (INPUT = 1.00)



Structural component only
DWG# T-2007152



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
ALL WEBS EXCEPT				No.2
O - E	2x4		DRY	No.2
E - N	2x4		DRY	No.2
N - F	2x4		DRY	No.2
DRY: SEASONED LUMBER.				

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.75	2.75
C	TMVW-t	MT20	4.0	4.0	2.00	1.50
D	TS-t	MT20	3.0	6.0		
E	TTVW-m	MT20	5.0	8.0	2.00	3.00
F	TTVW-m	MT20	4.0	4.0		
G	TS-t	MT20	3.0	6.0		
H	TMVW-t	MT20	4.0	4.0	2.00	1.50
I	TMVW-p	MT20	5.0	6.0	1.75	2.75
K	BMV1-p	MT20	3.0	4.0		
L	BMVW-t	MT20	4.0	9.0		
M	BS-t	MT20	3.0	6.0		
N	BMVW-t	MT20	4.0	9.0		
O	BMVW-t	MT20	4.0	4.0		
P	BS-t	MT20	3.0	6.0		
Q	BMVW-t	MT20	4.0	9.0		
R	BMV1-p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	UPLIFT	IN-SX
R	2085	0	0	5-8
K	2085	0	0	5-8

UNFACTORED REACTIONS

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

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

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

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	UNBRACED LENGTH (FT)
FR-TO				FR-TO			
A-B	0 / 35	-91.8	0.12 (1)	Q-C	-139 / 76	0.09 (1)	10.00
B-C	-2358 / 0	-91.8	0.89 (1)	C-O	-605 / 0	0.36 (1)	3.45
C-D	-1889 / 0	-91.8	0.78 (1)	O-E	0 / 499	0.08 (1)	3.91
D-E	-1889 / 0	-91.8	0.78 (1)	E-N	0 / 0	0.00 (1)	3.91
E-F	-1538 / 0	-91.8	0.47 (1)	N-F	0 / 500	0.08 (1)	4.74
F-G	-1889 / 0	-91.8	0.78 (1)	H-H	-604 / 0	0.36 (1)	3.91
G-H	-1889 / 0	-91.8	0.78 (1)	L-H	-140 / 75	0.09 (1)	3.91
H-I	-2357 / 0	-91.8	0.89 (1)	B-Q	0 / 2020	0.45 (1)	3.45
I-J	0 / 35	-91.8	0.12 (1)	L-I	0 / 2019	0.45 (1)	10.00
R-B	-2009 / 0	0.0	0.21 (1)				5.95
K-I	-2009 / 0	0.0	0.21 (1)				5.95
R-Q	0 / 0	-18.5	-18.5 0.26 (4)				10.00
Q-P	0 / 1999	-18.5	-18.5 0.45 (1)				10.00
P-O	0 / 1999	-18.5	-18.5 0.45 (1)				10.00
O-N	0 / 1538	-18.5	-18.5 0.33 (1)				10.00
N-M	0 / 1999	-18.5	-18.5 0.45 (1)				10.00
M-L	0 / 1999	-18.5	-18.5 0.45 (1)				10.00
L-K	0 / 0	-18.5	-18.5 0.24 (4)				10.00

TOTAL WEIGHT = 2 X 168 = 333 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (1.17)
CALCULATED VERT. DEFL.(LL) = L/999 (0.09)
ALLOWABLE DEFL.(TL) = L/360 (1.17)
CALCULATED VERT. DEFL.(TL) = L/999 (0.20)

CSI: TC=0.89/1.00 (B-C:1), BC=0.45/1.00 (C-Q:1), WB=0.45/1.00 (B-Q:1), SS=0.27/1.00 (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 1657 788 1987 1656

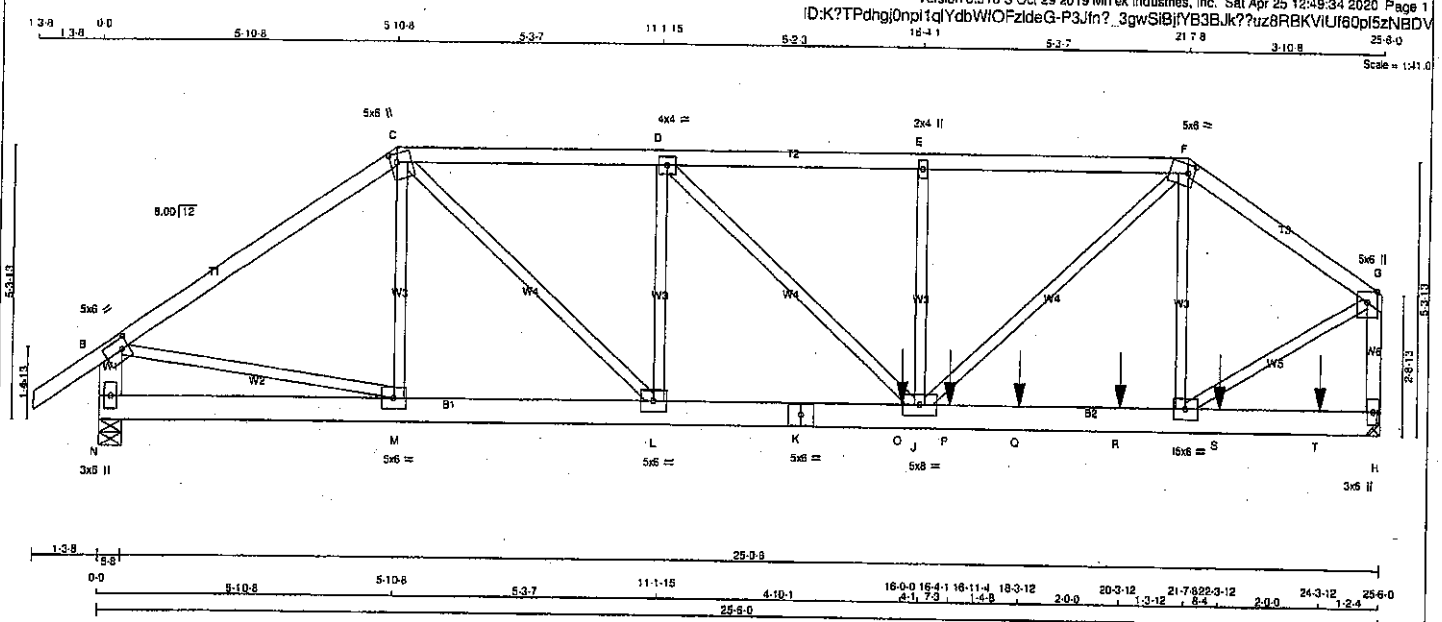
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



JOB NAME 408169	TRUSS NAME T28	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



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

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122'X3') SPIRAL NAILS		
A-C 1	12	TOP
C-F 1	12	TOP
F-G 1	12	TOP
H-G 1	12	TOP
N-B 2	12	TOP
BOTTOM CHORDS : (0.122'X3') SPIRAL NAILS		
N-K 2	12	TOP
K-H 2	12	SIDE(183.1)
WEBS : (0.122'X3') SPIRAL NAILS		
E-J 1	6	SIDE(77.0)
2x3 1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

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

BEARINGS			
FACTORED	MAXIMUM FACTORED	INPUT	RECORD
GROSS REACTION	GROSS REACTION	BRG	BRG
JT VERT	HORZ	DOWN	HORZ
N 2086	0	2086	0
H 2756	0	2756	0
MECHANICAL			

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

UNFACTORED REACTIONS						
1ST LCASE	MAX/MIN	COMPONENT REACTIONS				
JT COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N 1470	994 / 0	0 / 0	0 / 0	0 / 0	476 / 0	0 / 0
H 1941	1320 / 0	0 / 0	0 / 0	0 / 0	620 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.76 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	FORCE (LBS)	VERT. LOAD (LC1)	MAX. FACTORED (PLF)	MEMB.	FORCE (LBS)	MAX. FACTORED (LBS)	MAX. FACTORED (CS1 (LC1))
FR-TO				FR-TO			
A-B	0 / 35	-91.8	-91.8 0.07 (1)	M-C	-218 / 22	0.04 (1)	0.04 (1)
B-C	-2363 / 0	-91.8	-91.8 0.37 (1)	C-L	0 / 1550	0.19 (1)	0.19 (1)
C-D	-3093 / 0	-91.8	-91.8 0.24 (1)	L-O	-928 / 0	0.19 (1)	0.19 (1)
D-E	-3519 / 0	-91.8	-91.8 0.25 (1)	D-J	0 / 599	0.07 (1)	0.07 (1)
E-F	-3519 / 0	-91.8	-91.8 0.16 (1)	J-E	-508 / 0	0.10 (1)	0.10 (1)
F-G	-2352 / 0	-91.8	-91.8 0.16 (1)	J-F	0 / 2158	0.27 (1)	0.27 (1)
N-B	-2037 / 0	0.0	0.0 0.07 (1)	I-F	-548 / 0	0.11 (1)	0.11 (1)
H-G	-2632 / 0	0.0	0.0 0.19 (1)	B-M	0 / 1991	0.25 (1)	0.25 (1)
N-M	0 / 0	-18.5	-18.5 0.04 (4)	I-G	0 / 2264	0.28 (1)	0.28 (1)
M-L	0 / 1959	-18.5	-18.5 0.14 (1)				
L-K	0 / 3093	-18.5	-18.5 0.27 (1)				
K-O	0 / 3093	-18.5	-18.5 0.27 (1)				
O-J	0 / 3093	-18.5	-18.5 0.27 (1)				
J-P	0 / 1942	-18.5	-18.5 0.23 (1)				
P-Q	0 / 1942	-18.5	-18.5 0.23 (1)				
Q-R	0 / 1942	-18.5	-18.5 0.23 (1)				
R-I	0 / 1942	-18.5	-18.5 0.23 (1)				
I-S	0 / 0	-18.5	-18.5 0.10 (1)				
S-T	0 / 0	-18.5	-18.5 0.10 (1)				
T-H	0 / 0	-18.5	-18.5 0.10 (1)				

FACTORED CONCENTRATED LOADS (LBS)							
JT LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL
O 16-0-0	-997	-997	---	FRONT	VERT	TOTAL	---
P 16-11-4	-187	-187	---	FRONT	VERT	TOTAL	---
Q 18-3-12	-187	-187	---	FRONT	VERT	TOTAL	---
R 20-3-12	-187	-187	---	FRONT	VERT	TOTAL	---
S 22-3-12	-174	-174	---	FRONT	VERT	TOTAL	---
T 24-3-12	-173	-173	---	FRONT	VERT	TOTAL	---

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

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

SPACING = 24.0 IN. OC

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBC 2010, NBC 2012, ABC 2019
- PART 9 OF NBC 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 (0.85")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.85")
CALCULATED VERT. DEFL.(TL) = L/999 (0.11")

CS1: TC=0.37/1.00 (B-C:1), BC=0.27/1.00 (J-L:1), WB=0.28/1.00 (G-I:1), SS=0.34/1.00 (J-L:1).

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

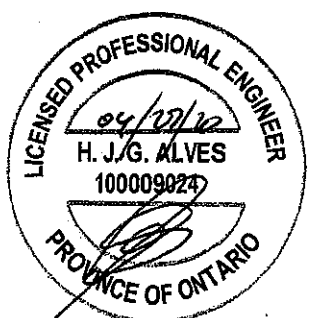
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 518 354 1687 788 1987 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.90 (F) (INPUT = 0.90)
JSI METAL= 0.45 (G) (INPUT = 1.00)



Structural component only
DWG# T-2007154 1/2

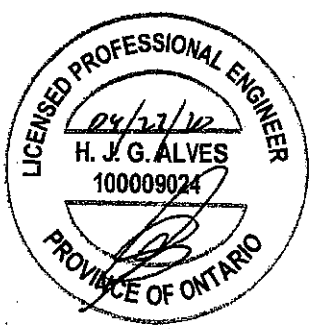
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408169	T28	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.			

Version 8.310 S Oct 29 2019 MITek Industries, Inc. Sat Apr 25 12:49:34 2020 Page 2
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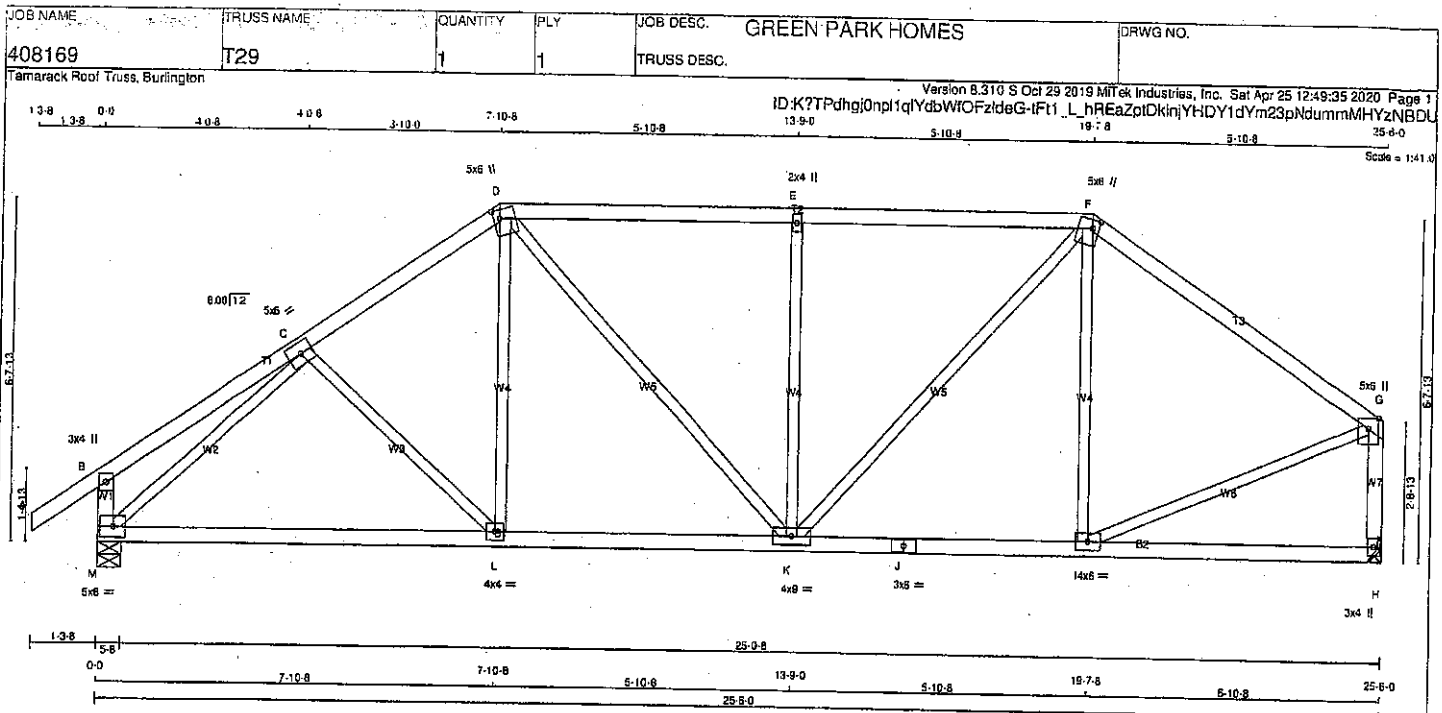
PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	5.0	6.0	2.50	1.75
C	TTWW-m	MT20	5.0	6.0	2.00	1.50
D	TMWW-t	MT20	4.0	4.0		
E	TMW-w	MT20	2.0	4.0		
F	TTWW-m	MT20	5.0	6.0	2.00	1.50
G	TMVW-p	MT20	5.0	6.0	Edge	
H	BMV1-p	MT20	3.0	6.0		
I, L, M						
I	BMWW-t	MT20	5.0	6.0		
J	BMWWW-t	MT20	5.0	8.0		
K	BS-t	MT20	5.0	6.0		
N	BMV1-p	MT20	3.0	6.0		

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



Structural component only
DWG# T-2007154 *JK*



LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMV+p	MT20	3.0	4.0		
C TMWW+m	MT20	5.0	8.0		
D TTWW+m	MT20	5.0	8.0	2.00	1.50
E TMV+w	MT20	2.0	4.0		
F TTWW+m	MT20	5.0	8.0	2.00	1.50
G TMVW+p	MT20	5.0	8.0		Edge
H BMV1+p	MT20	3.0	4.0		
I BMWW-t	MT20	4.0	8.0		
J BS-t	MT20	3.0	6.0		
K BMWWW-t	MT20	4.0	9.0		
L BMWW-t	MT20	4.0	4.0		
M BMVW1-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 IN-SX	RECORD BRG IN-SX
JT VERT	1081	1532	0	0
M	1532	0	0	0
H	1408	0	0	0

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

UNFACTORED REACTIONS							
	1ST CASE	MAX. MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT							
M	1081	723 / 0	0 / 0	0 / 0	0 / 0	358 / 0	0 / 0
H	994	652 / 0	0 / 0	0 / 0	0 / 0	342 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.89 FT.

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (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	0.12 (1)	C-L	-80 / 27	0.04 (1)	
B-C	0 / 22	-91.8 -91.8	0.22 (1)	D-K	0 / 209	0.05 (4)	
C-D	-1491 / 0	-91.8 -91.8	0.19 (1)	E-K	0 / 354	0.08 (1)	
D-E	-1484 / 0	-91.8 -91.8	0.44 (1)	K-F	-662 / 0	0.48 (1)	
E-F	-1484 / 0	-91.8 -91.8	0.44 (1)	F-F	0 / 663	0.15 (1)	
F-G	-1226 / 0	-91.8 -91.8	0.44 (1)	I-F	-282 / 0	0.21 (1)	
M-B	-266 / 0	0.0 0.0	0.03 (1)	M-C	-1757 / 0	0.83 (1)	
H-G	-1362 / 0	0.0 0.0	0.20 (1)	I-G	0 / 1098	0.25 (1)	
M-L	0 / 1279	-18.5 -18.5	0.36 (4)				
L-K	0 / 1223	-18.5 -18.5	0.36 (4)				
K-J	0 / 1014	-18.5 -18.5	0.26 (1)				
J-I	0 / 1014	-18.5 -18.5	0.26 (1)				
I-H	0 / 0	-18.5 -18.5	0.17 (4)				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2010, CBC 2012, ABC 2018
- PART 9 OF CBC 2012 (2018 AMENDMENT)
- CSA 088-09, CSA 085-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.85")

CALCULATED VERT. DEFL.(LL) = L/999 (0.05")

ALLOWABLE DEFL.(TL) = L/360 (0.85")

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

CS1: TC=0.44/1.00 (F-G:1), BC=0.36/1.00 (K-L:4), WB=0.83/1.00 (C-M:1), SS1=0.26/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

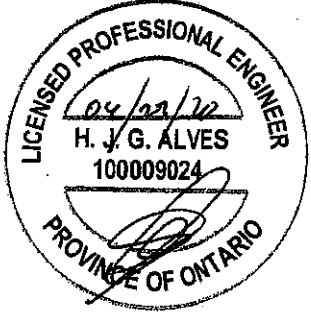
PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PL)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1667 788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.82 (D) (INPUT = 0.90)

JSI METAL = 0.51 (G) (INPUT = 1.00)

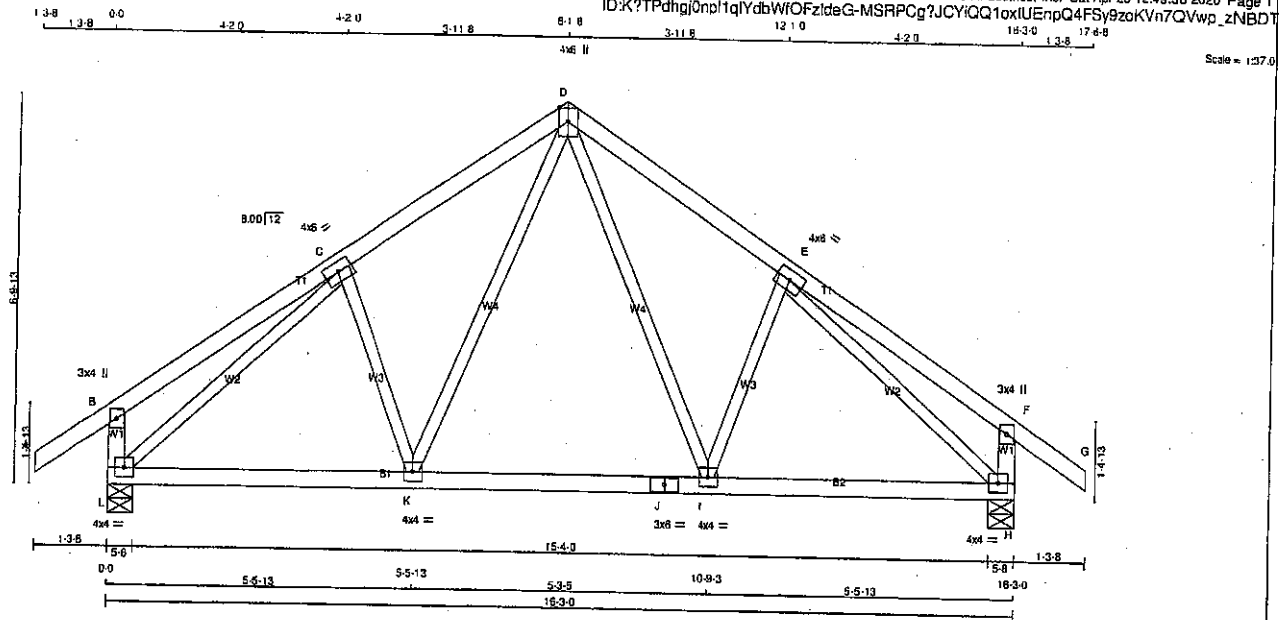


Structural component only
DWG# T-2007155

JOB NAME 408169	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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Scale = 1/320

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

DRY: SEASONED LUMBER.

PLATES (tablets in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-i	MT20	4.0	6.0		
D	TMWW+p	MT20	4.0	6.0		Edge
E	TMWW-i	MT20	4.0	6.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVW-i	MT20	4.0	4.0		
I	BMWW-i	MT20	4.0	4.0		
J	BS-i	MT20	3.0	6.0		
K	BMWW-i	MT20	4.0	4.0		
L	BMVW-i	MT20	4.0	4.0		

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

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

JT	GROSS REACTION	FACTORED		MAXIMUM FACTORED		INPUT BRG	REQD BRG
		DOWN	HORZ	DOWN	HORZ		
L	1022	0	0	1022	0	5-8	5-8
H	1022	0	0	1022	0	5-8	5-8

UNFACTORED REACTIONS

JT	COMBINED	MAX/MIN COMPONENT REACTIONS					
		1ST LOASE	SNOW	LIVE	PERM LIVE	WIND	DEAD
L	720	486 / 0	0 / 0	0 / 0	0 / 0	234 / 0	0 / 0
H	720	486 / 0	0 / 0	0 / 0	0 / 0	234 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 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 (PL)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	MAX. UNBRACED LENGTH (LC)
FR-TO				FR-TO			
A-B	0 / 35	-91.8	-91.8 0.12 (1)	10.00	D-I	0 / 336	0.08 (1)
B-C	0 / 24	-91.8	-91.8 0.24 (1)	10.00	E-H	-217 / 0	0.06 (1)
C-D	-845 / 0	-91.8	-91.8 0.19 (1)	6.25	K-D	0 / 336	0.08 (1)
D-E	-845 / 0	-91.8	-91.8 0.19 (1)	6.25	C-K	-217 / 0	0.06 (1)
E-F	0 / 24	-91.8	-91.8 0.24 (1)	10.00	L-C	-1042 / 0	0.52 (1)
F-G	0 / 35	-91.8	-91.8 0.12 (1)	10.00	E-H	-1042 / 0	0.52 (1)
L-B	-268 / 0	0.0	0.0 0.03 (1)	7.81			
H-F	-268 / 0	0.0	0.0 0.03 (1)	7.81			
L-K	0 / 762	-18.5	-18.5 0.19 (1)	10.00			
K-J	0 / 557	-18.5	-18.5 0.17 (4)	10.00			
J-I	0 / 557	-18.5	-18.5 0.17 (4)	10.00			
I-H	0 / 762	-18.5	-18.5 0.19 (1)	10.00			

TOTAL WEIGHT = 2 X 72 = 145 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.5 PSF
BOT CH.	LL = 6.0 PSF
	DL = 0.0 PSF
	DL = 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, CBC 2012, A9C 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.5 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.54")
CALCULATED VERT. DEFL.(LL) = L/899 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.54")
CALCULATED VERT. DEFL.(TL) = L/998 (0.04")

OSI: TC=0.24/1.00 (B-C:1), BC=0.19/1.00 (H-I:1), WB=0.52/1.00 (C-L: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)	(PL)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	518	354	1697
	768	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.88 (H) (INPUT = 0.90)
JSI METAL = 0.29 (L) (INPUT = 1.00)

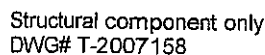


Structural component only
DWG# T-2007156

Version 8.310 S Oct 29 2019 MTEK Industries, Inc. Sat Apr 25 12:49:38 2020 Page 1
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JSI GRIP= 0.89 (H) (INPUT = 0.90)
JSI METAL= 0.35 (H) (INPUT = 1.00)



Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 29 lb

DRY: SEASONED LUMBER.

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

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

LINEARIZED REACTIONS

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

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

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED

LOADING

TOTAL LOAD CASES: (5)

CHORDS			FACTORED			WEBS		
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)	
FR-TO		FROM TO			FR-TO			
A-B	0/35	-91.8	-91.8	0.04 (5)	10.00	H-F	-27.0 0	0.00 (1)
B-C	-87.0	-91.8	-91.8	0.03 (1)	8.25	B-H	0/68	0.02 (1)
C-D	-89.0	-91.8	-91.8	0.07 (1)	6.25	H-D	0/173	0.03 (1)
D-E	-11.0	-91.8	-91.8	0.07 (3)	6.25			
E-F	-148.0	0.0	0.0	0.04 (1)	7.81			
F-B	-327.0	0.0	0.0	0.02 (4)	7.81			
I-H	0/8	-18.5	-18.5	0.03 (4)	10.00			
G-H	-2/8	0.0	0.0	0.05 (1)	10.00			
H-C	-203.0	0.0	0.0	0.04 (1)	7.81			
G-F	0/30	-18.5	-18.5	0.03 (1)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

DESIGN ASSUMPTIONS
-OVERHANG NOT TO BE ALTERED OR CUT OFF

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

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

CSI: TC=0.14/1.00 (A-B:5), BC=0.05/1.00 (G-H:1),
WB=0.03/1.00 (D-H:1), SSI=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 RIGHT HEEL ONLY

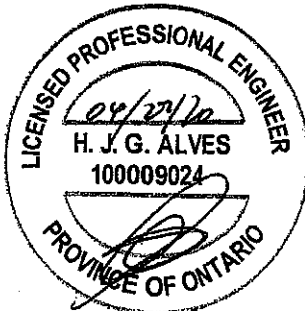
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.23 (B) (INPUT = 0.90)
JSI METAL= 0.07 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007159

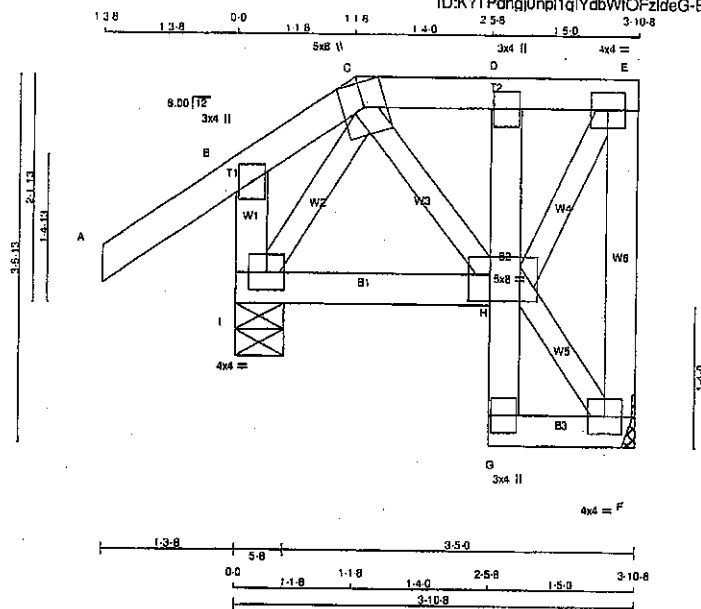
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408169	T32S	1	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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ID:K7TPdhqj0npl1qYdbWfOfzIdG-EDhw122qGmCsve8XKil_GfY1ZYDKG4M2217yZNBDF

Scale = 1/20.1



LUMBER

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

ALL WEBS 2x3 DRY No.2 EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+P	MT20	3.0	4.0		
C	TTWW+M	MT20	5.0	6.0	Edge	
D	TMV+P	MT20	3.0	4.0		
E	TMVW+I	MT20	4.0	4.0		
F	BMVW+I	MT20	4.0	4.0		
G	BMV+P	MT20	3.0	4.0		
H	BMVWW+I	MT20	5.0	8.0	3.00	2.50
I	BMVW+I	MT20	4.0	4.0		

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

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
F	191	0	191	0
I	362	0	362	0

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

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN	COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	
F	136	87 / -12	0 / 0	0 / 0	0 / 0	49 / 0	0 / 0	
I	253	182 / 0	0 / 0	0 / 0	0 / 0	71 / 0	0 / 0	

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	LC2 MAX	UNBRAC LENGTH	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO							FR-TO			
A-B		0 / 35	-91.8	-91.8	0.14 (5)	10.00	C-H		0 / 60	0.01 (1)
B-C		-41 / 0	-91.8	-91.8	0.13 (5)	6.25	H-F		-7 / 0	0.00 (1)
C-D		-89 / 0	-91.8	-91.8	0.02 (1)	6.25	H-E		0 / 153	0.03 (1)
D-E		-86 / 0	-91.8	-91.8	0.02 (1)	6.25	I-C		-100 / 34	0.02 (1)
E-F		-175 / 0	0.0	0.0	0.03 (1)	7.81				
F-B		-259 / 0	0.0	0.0	0.03 (1)	7.81				
I-H		-18 / 53	-18.5	-18.5	0.04 (4)	6.25				
G-H		0 / 13	0.0	0.0	0.01 (1)	10.00				
H-D		-142 / 0	0.0	0.0	0.01 (1)	7.81				
G-F		0 / 5	-18.5	-18.5	0.01 (4)	10.00				

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 25 lb

(M)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(35 % 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) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.00")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(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 = 0.18 (E) (INPUT = 0.90)
JSI METAL = 0.09 (B) (INPUT = 1.00)

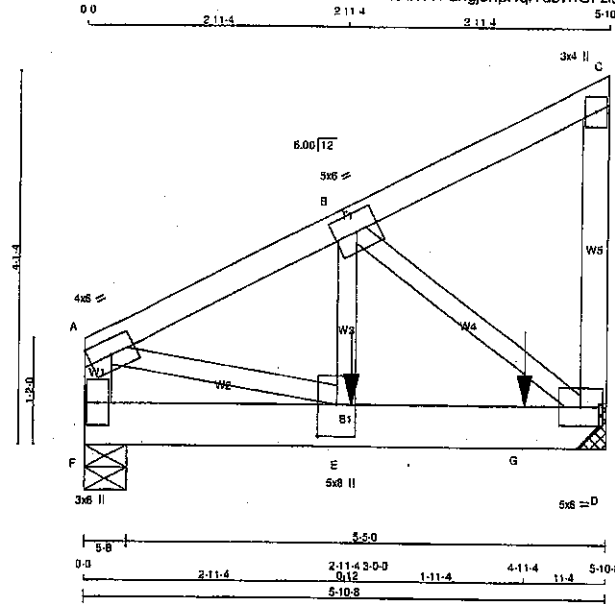


Structural component only
DWG# T-2007160

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408169	T33	1	2	TRUSS DESC.		

Farnack Roof Truss, Burlington

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

TOTAL WEIGHT = 2 X 29 = 58 lb

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

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
F - A 1 12		TOP
A - C 1 12		TOP
C - D 1 12		TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
F - D 2 9		SIDE (305.2)
WEBS : (0.122"x3") SPIRAL NAILS		
B - E 1 2		SIDE (408.9)
2x3 1 6		

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	4.0	8.0		Edge
B	TMVW-t	MT20	5.0	8.0		
C	TMVW-t	MT20	3.0	4.0		
D	BMVW-t	MT20	5.0	8.0		
E	BMVW-t	MT20	5.0	8.0	4.25	2.50

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
F	1914	0	1914	0
D	2859	0	2859	0

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	1348	915/0	0/0	0/0	0/0	434/0	0/0
D	2015	1359/0	0/0	0/0	0/0	657/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.59 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)
FR-TO					FR-TO		
F-A	-1877/0	0.0	0.0	0.10 (1)	A-E	0/2360	0.29 (1)
A-B	-2588/0	-91.8	-91.8	0.08 (1)	E-B	0/2608	0.32 (1)
B-C	-7/0	-91.8	-91.8	0.06 (1)	B-D	-2886/0	0.35 (1)
D-C	-120/0	0.0	0.0	0.01 (1)			
F-E	0/0	-18.5	-18.5	0.01 (1)			
E-G	0/2301	-18.5	-18.5	0.49 (1)			
G-D	0/2301	-18.5	-18.5	0.49 (1)			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
E	3-0-0	-2737	-2737	---	BACK	VERT	TOTAL	C1
G	4-11-4	-1388	-1388	---	BACK	VERT	TOTAL	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, 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 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) = L/999 (0.02")
ALLOWABLE DEFL. (TL) = L/360 (0.20")
CALCULATED VERT. DEFL. (TL) = L/999 (0.03")

CSI: TC=0.10/1.00 (A-F:1), BC=0.49/1.00 (D-E:1), WB=0.35/1.00 (B-D:1), GS=0.32/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

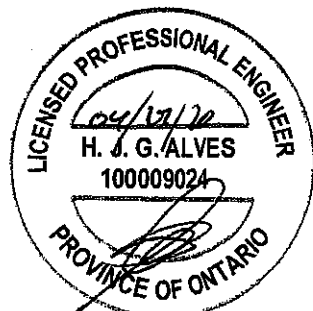
PLATE	GRIP (DRY)	SHEAR (PSI)	SECTION (PL)
MT20	618	354	1887
	788	1987	1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.84 (B) (INPUT = 0.80)

JSI METAL = 0.44 (E) (INPUT = 1.00)



Structural component only
DWG# T-2007161 1/2

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408169	T33	1	2	GREEN PARK HOMES	

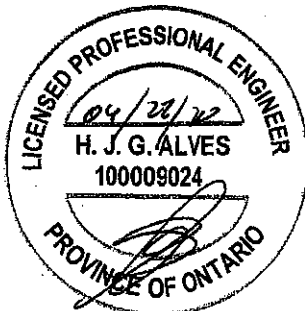
Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 Mitak Industries, Inc. Sat Apr 25 12:49:41 2020 Page 2
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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
F	BMV1+p	MT20	3.0	6.0		

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



Structural component only
DWG# T-2007161 42

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.

CHORDS				WEBS			
MAX. FACTORED		FACTORED		MAX. FACTORED		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. CSI (LC)	MAX. UNBRAC. LENGTH (IN)	MEMB.	FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	0 / 28	-91.8	-91.8 0.07 (1)	10.00	R-C	-449 / 0	0.06 (1)
B-C	-5069 / 0	-91.8	-91.8 0.52 (1)	3.87	C-Q	0 / 3021	0.37 (1)
C-T	-6978 / 0	-91.8	-91.8 0.24 (1)	4.35	Q-D	-1608 / 0	0.19 (1)
T-U	-6976 / 0	-91.8	-91.8 0.24 (1)	4.35	D-O	0 / 1339	0.17 (1)
U-D	-6976 / 0	-91.8	-91.8 0.24 (1)	4.35	O-E	-1056 / 0	0.19 (1)
D-V	-8155 / 0	-91.8	-91.8 0.31 (1)	4.02	O-G	0 / 1339	0.17 (1)
V-W	-8155 / 0	-91.8	-91.8 0.31 (1)	4.02	M-G	-1808 / 0	0.37 (1)
W-X	-8155 / 0	-91.8	-91.8 0.31 (1)	4.02	M-H	0 / 3021	0.37 (1)
X-E	-8155 / 0	-91.8	-91.8 0.31 (1)	4.02	L-H	-449 / 0	0.06 (1)
E-Y	-8155 / 0	-91.8	-91.8 0.31 (1)	4.02	B-R	0 / 4585	0.57 (1)
Y-F	-8155 / 0	-91.8	-91.8 0.31 (1)	4.02	L-I	0 / 4585	0.57 (1)
F-Z	-8155 / 0	-91.8	-91.8 0.31 (1)	4.02			
Z-AA	-8155 / 0	-91.8	-91.8 0.31 (1)	4.02			
AA-G	-8155 / 0	-91.8	-91.8 0.31 (1)	4.02			
G-AB	-6978 / 0	-91.8	-91.8 0.24 (1)	4.35			
AB-AC	-6976 / 0	-91.8	-91.8 0.24 (1)	4.35			
AC-H	-6976 / 0	-91.8	-91.8 0.24 (1)	4.35			
H-I	-5069 / 0	-91.8	-91.8 0.52 (1)	3.87			
I-J	0 / 28	-91.8	-91.8 0.07 (1)	10.00			
S-B	-3250 / 0	0.0	0.0 0.11 (1)	7.69			
K-I	-3250 / 0	0.0	0.0 0.11 (1)	7.69			

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408170	T40	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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PLATES (table is in inches)

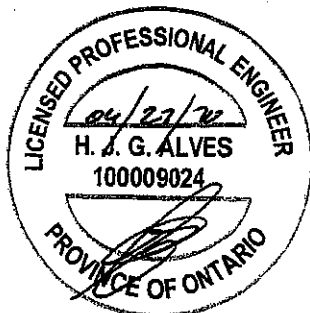
JT TYPE	PLATES	W	LEN	Y	X
B TMWW-t	MT20	5.0	8.0		
C TTWW-m	MT20	5.0	8.0	2.00	2.25
D TMWW-t	MT20	5.0	8.0		
E TMWW-w	MT20	5.0	8.0		
F TS-t	MT20	5.0	8.0		
G TMWW-t	MT20	5.0	8.0		
H TTWW-m	MT20	5.0	8.0	2.00	2.25
I TMWW-t	MT20	5.0	8.0		
K BMV1-p	MT20	3.0	6.0		
L BMWW-t	MT20	5.0	8.0	2.50	2.50
M BMWW-t	MT20	5.0	8.0		
N BS-t	MT20	5.0	8.0		
O BMWWW-t	MT20	5.0	8.0		
P BS-t	MT20	5.0	8.0		
Q BMWW-t	MT20	5.0	8.0		
R BMWW-t	MT20	5.0	8.0	2.50	2.50
S BMV1-p	MT20	3.0	6.0		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	5-10-8	-437	-437	---	FRONT	VERT	TOTAL	---	C1
E	17-7-0	-110	-110	---	FRONT	VERT	TOTAL	---	C1
H	29-3-8	-437	-437	---	FRONT	VERT	TOTAL	---	C1
L	29-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
N	21-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
O	17-7-0	-26	-26	---	FRONT	VERT	TOTAL	---	C1
P	13-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
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	15-11-4	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Y	19-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
Z	21-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AA	23-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AB	25-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AC	27-2-12	-110	-110	---	FRONT	VERT	TOTAL	---	C1
AD	1-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AE	3-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AF	7-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AG	9-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AH	11-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AI	15-11-4	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AJ	19-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AK	23-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AL	25-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AM	27-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AN	31-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1
AO	33-2-12	-26	-26	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

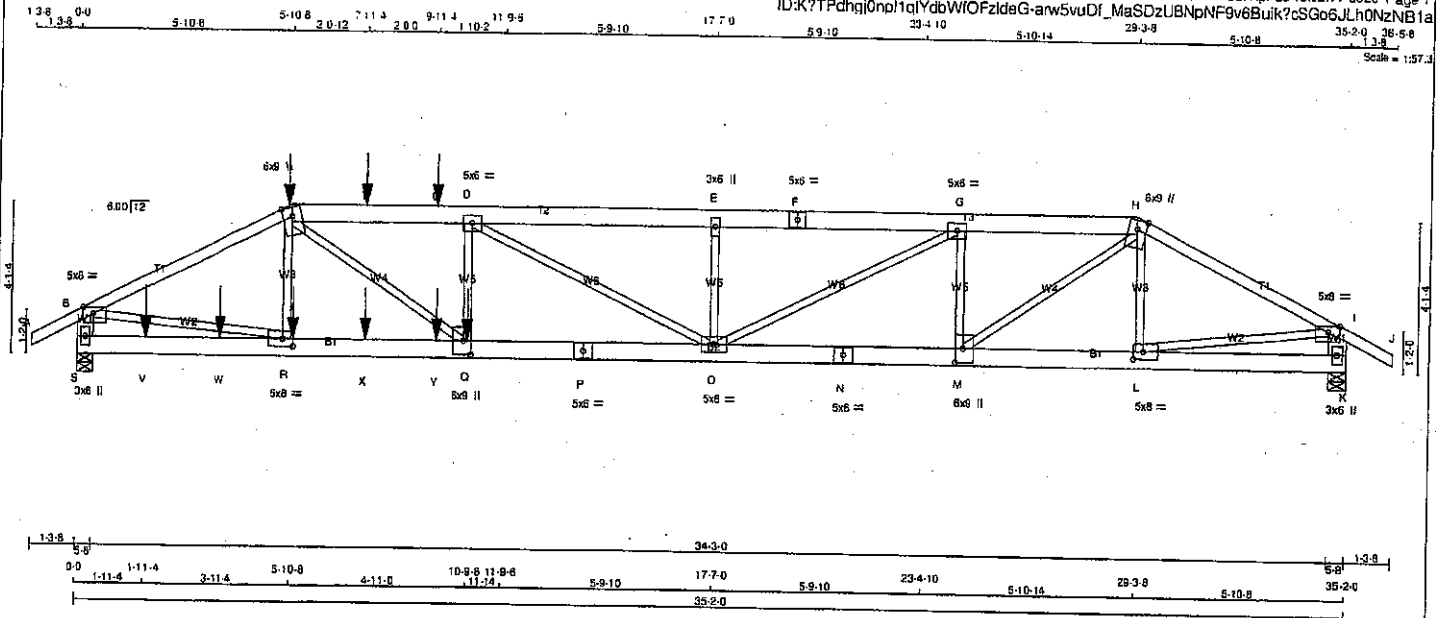


Structural component only
DWG# T-2007168

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408170	T40Z	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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

ALL WEBS EXCEPT

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
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 - P	12	SIDE(183.1)
P - N	12	TOP
N - K	12	TOP
WEBS: (0.122"x3") SPIRAL NAILS		
2x3	6	SIDE(525.1)
D - Q	3	
G - M	3	

NAIls TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
S	4582	0	0	5-8
K	3047	0	0	5-8

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN	COMPONENT REACTIONS	DEAD	SOIL
S	3236	2151 / 0	0 / 0	0 / 0	1084 / 0
K	2151	1436 / 0	0 / 0	0 / 0	715 / 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 = 3.15 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MAX. FACTORED UNBRACED LENGTH (FT)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO					FR-TO		
A-B	0 / 28	-91.8	-91.8	0.07 (1)	R-C	-873 / 0	0.08 (1)
B-C	-7293 / 0	-91.8	-91.8	0.72 (1)	C-Q	0 / 4985	0.82 (1)
C-T	-10549 / 0	-91.8	-91.8	0.34 (1)	Q-D	-184 / 36	0.02 (1)
T-U	-10549 / 0	-91.8	-91.8	0.34 (1)	D-O	-1207 / 0	0.72 (1)
U-D	-10549 / 0	-91.8	-91.8	0.34 (1)	O-E	-846 / 0	0.08 (1)
D-E	-9485 / 0	-91.8	-91.8	0.31 (1)	E-G	0 / 2871	0.39 (1)
E-F	-9485 / 0	-91.8	-91.8	0.29 (1)	M-G	-1984 / 0	0.24 (1)
F-G	-9485 / 0	-91.8	-91.8	0.29 (1)	M-H	0 / 3512	0.43 (1)
G-H	-8958 / 0	-91.8	-91.8	0.17 (1)	H-H	-464 / 0	0.08 (1)
H-I	-4608 / 0	-91.8	-91.8	0.48 (1)	L-H	0 / 6596	0.82 (1)
I-J	0 / 28	-91.8	-91.8	0.07 (1)	L-I	0 / 4167	0.52 (1)
S-B	-4503 / 0	0.0	0.0	0.16 (1)			
K-I	-2990 / 0	0.0	0.0	0.11 (1)			
S-V	0 / 0	-18.5	-18.5	0.06 (4)			
V-W	0 / 0	-18.5	-18.5	0.08 (4)			
W-R	0 / 0	-18.5	-18.5	0.08 (4)			
R-X	0 / 8557	-18.5	-18.5	0.50 (1)			
X-Y	0 / 8557	-18.5	-18.5	0.50 (1)			
Y-Q	0 / 8557	-18.5	-18.5	0.50 (1)			
Q-P	0 / 10548	-18.5	-18.5	0.77 (1)			
P-O	0 / 10548	-18.5	-18.5	0.77 (1)			
O-N	0 / 8955	-18.5	-18.5	0.50 (1)			
N-M	0 / 8955	-18.5	-18.5	0.50 (1)			
M-L	0 / 4144	-18.5	-18.5	0.29 (1)			
L-K	0 / 0	-18.5	-18.5	0.04 (4)			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX	MAX	FACE	DIR.	TYPE	HEEL	CONN.
C	5-10-8	-437	-437	---	BACK	VERT	TOTAL	---	C1
Q	10-9-8	-2715	-2715	---	BACK	VERT	TOTAL	---	C1
R	5-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
T	7-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
U	9-11-4	-110	-110	---	BACK	VERT	TOTAL	---	C1
V	1-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
W	3-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
X	7-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1
Y	9-11-4	-26	-26	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 2 X 169 = 338 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = L/599 (0.26")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/881 (0.48")

CSI: TC=0.72/1.00 (B-C:1), BC=0.77/1.00 (C-Q:1),
WB=0.82/1.00 (B-R:1), SSI=0.13/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (B) (INPUT = 0.90)
JSI METAL= 0.99 (P) (INPUT = 1.00)



Structural component only
DWG# T-2007169

CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408170	T40Z	1	2	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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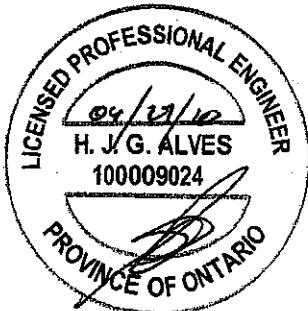
PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	2.00	3.50
C	TTWW+m	MT20	6.0	9.0	Edge	
D	TMWW-t	MT20	5.0	6.0		
E	TMW+w	MT20	3.0	8.0		
F	TS-t	MT20	5.0	6.0		
G	TMWW-t	MT20	5.0	6.0		
H	TTWW+m	MT20	6.0	9.0	Edge	
I	TMVW-p	MT20	5.0	8.0	2.00	3.50
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-t	MT20	5.0	8.0	2.50	3.25
M	BMWW-t	MT20	6.0	9.0	4.50	2.50
N	BS-t	MT20	5.0	6.0		
O	BMWWW-t	MT20	5.0	8.0		
P	BS-t	MT20	5.0	6.0		
Q	BMWW-t	MT20	6.0	9.0	4.50	2.50
R	BMWW-t	MT20	5.0	8.0	2.50	3.25
S	BMV1+p	MT20	3.0	6.0		

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

CONNECTION REQUIREMENTS

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



Structural component only
DWG# T-2007169

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408170	T41	2	1	TRUSS DESC.		

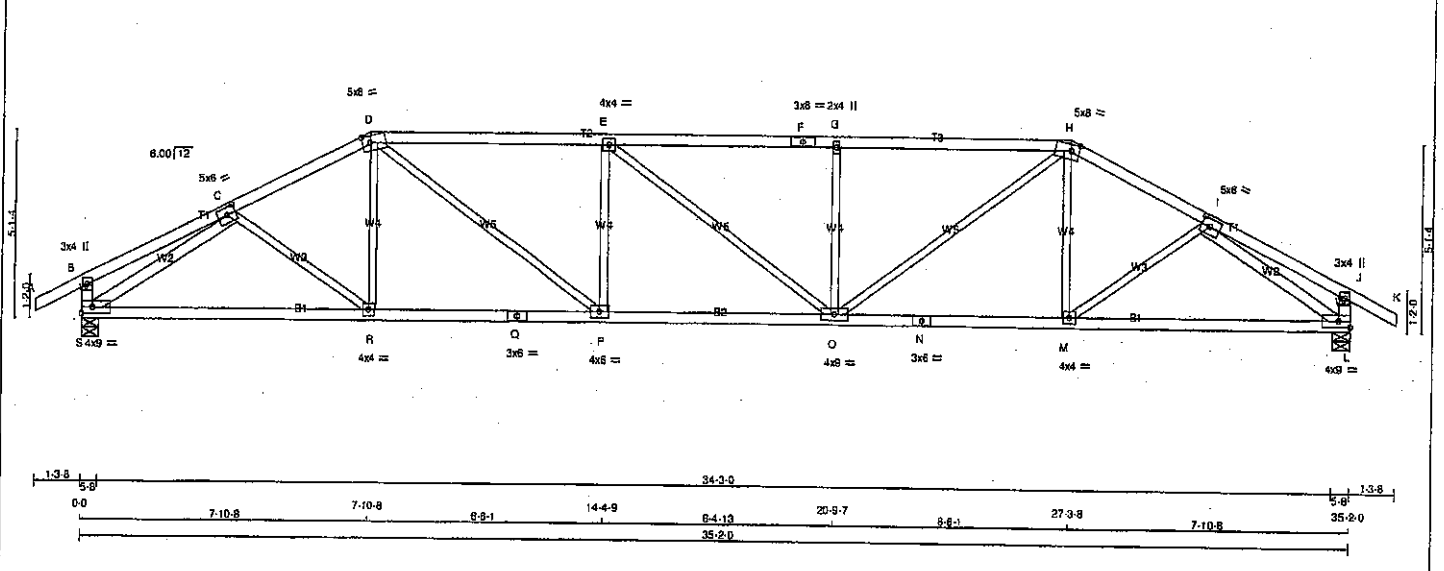
Tamarack Roof Truss, Burlington

Version 8.310 S Oct 29 2019 MITek Industries, Inc. Sat Apr 25 13:02:18 2020 Page 1

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13.8 0.0 4.0 4.0 3.10.0 7.10.8 8.4.1 14.4.9 8.4.1 20.9.7 27.3.8 31.1.8 4.0.8 35.2.0 13.8

Scale = 1:37.5



LUMBER				BEARINGS				DESIGN CRITERIA			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.	FACTORED	MAXIMUM FACTORED	INPUT	RECORD	SPECIFIED LOADS:		
	A - D	2x4	DRY	No.2	SPF	GROSS REACTION	GROSS REACTION	BRG	TOP CH. LL = 25.6 PSF		
	D - F	2x4	DRY	No.2	SPF	VERT	HORZ	DOWN	DL = 8.0 PSF		
	F - H	2x4	DRY	No.2	SPF	JT			BOT CH. LL = 0.0 PSF		
	H - K	2x4	DRY	No.2	SPF	S	2063	0	DL = 7.4 PSF		
	S - B	2x4	DRY	No.2	SPF	L	2063	0	TOTAL LOAD = 39.0 PSF		
	L - J	2x4	DRY	No.2	SPF						
	S - Q	2x4	DRY	No.2	SPF						
	Q - N	2x4	DRY	No.2	SPF						
	N - L	2x4	DRY	No.2	SPF						
	ALL WEBS	2x3	DRY	No.2	SPF						
	EXCEPT										
	S - C	2x4	DRY	No.2	SPF						
	I - L	2x4	DRY	No.2	SPF						

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

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

BEARINGS

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

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS
JT	COMBINED
S	1457
L	1457

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.94 FT.

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

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

LOADINGS

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MEMB.	FORCE (LBS)	MAX. FACTORED	MAX. FACTORED
FR-TO		FROM TO	CSI (LC)	FR-TO			
A-B	0 / 28	-91.8	-91.8 0.12 (1)	C-R	0 / 93	0.03 (4)	
B-C	0 / 16	-91.8	-91.8 0.20 (1)	D-P	0 / 121	0.04 (4)	
C-D	-2799 / 0	-91.8	-91.8 0.32 (1)	E-O	0 / 1287	0.29 (1)	
D-E	-3508 / 0	-91.8	-91.8 0.86 (1)	F-E	-643 / 0	0.25 (1)	
E-F	-3507 / 0	-91.8	-91.8 0.93 (1)	G-O	-2 / 0	0.00 (1)	
F-G	-3507 / 0	-91.8	-91.8 0.93 (1)	H-O	-943 / 0	0.25 (1)	
G-H	-3507 / 0	-91.8	-91.8 0.94 (1)	I-H	0 / 1268	0.28 (1)	
H-I	-2799 / 0	-91.8	-91.8 0.32 (1)	M-H	0 / 121	0.04 (4)	
I-J	0 / 16	-91.8	-91.8 0.20 (1)	N-I	0 / 93	0.03 (4)	
J-K	0 / 28	-91.8	-91.8 0.12 (1)	S-C	-2974 / 0	0.83 (1)	
K-L	-270 / 0	0.0	0.0 0.03 (1)	L-L	-2974 / 0	0.83 (1)	
L-J	-270 / 0	0.0	0.0 0.03 (1)				
S-R	0 / 2417	-18.5	-18.5 0.53 (1)				
R-Q	0 / 2489	-18.5	-18.5 0.54 (1)				
Q-P	0 / 2489	-18.5	-18.5 0.54 (1)				
P-O	0 / 3509	-18.5	-18.5 0.64 (1)				
O-N	0 / 2489	-18.5	-18.5 0.54 (1)				
N-M	0 / 2489	-18.5	-18.5 0.54 (1)				
M-L	0 / 2417	-18.5	-18.5 0.53 (1)				

Structural component only
DWG# T-2007170

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

DL = 8.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

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

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

CALCULATED VERT. DEFL.(LL) = L/399 (0.21")

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

CALCULATED VERT. DEFL.(TL) = L/899 (0.41")

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

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

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

MAX MIN MAX MIN MAX MIN

MT20 618 354 1667 788 1987 1653

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

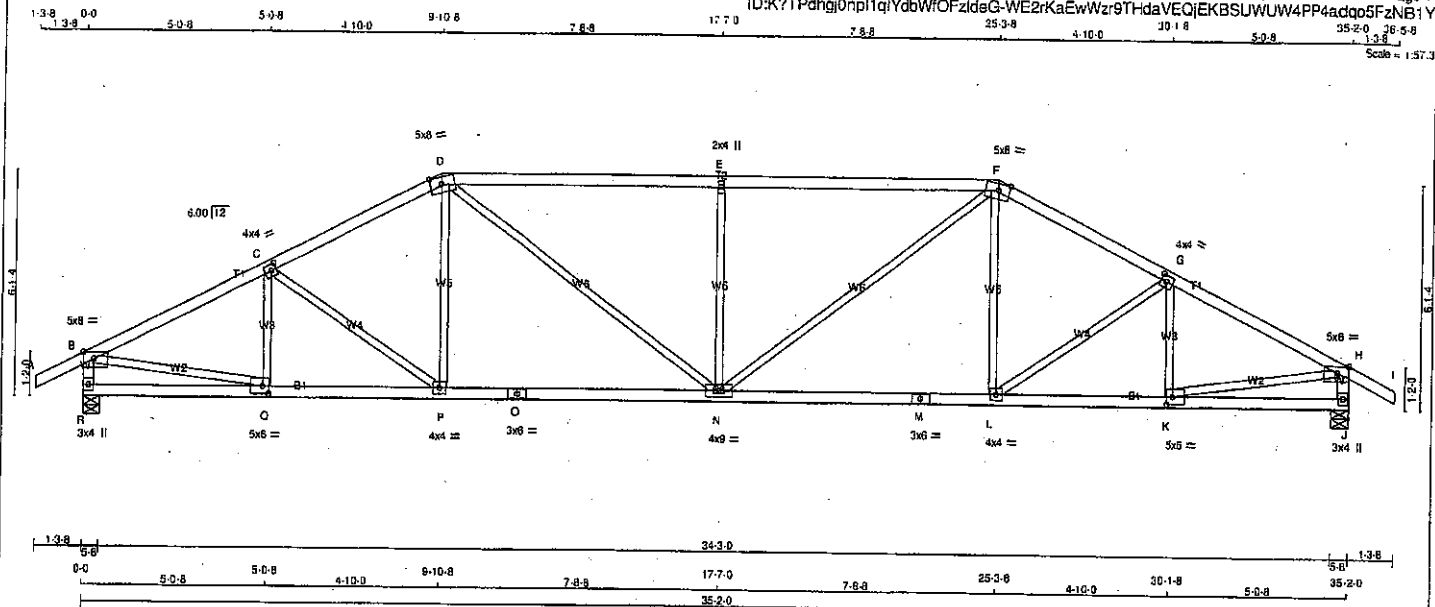
JSI METAL= 0.77 (N) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408170	T42	2	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER
A - D	2x4	DRY
D - F	2x4	DRY
F - I	2x4	DRY
R - B	2x4	DRY
J - H	2x4	DRY
R - O	2x4	DRY
O - M	2x4	DRY
M - J	2x4	DRY

ALL WEBS 2x3 DRY

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	Edge	3.50
C	TMVW-t	MT20	4.0	4.0	2.00	1.75
D	TTVW-m	MT20	5.0	8.0	2.25	3.75
E	TMVW-w	MT20	2.0	4.0		
F	TTVW-m	MT20	5.0	8.0	2.25	3.75
G	TMVW-t	MT20	4.0	4.0	2.00	1.75
H	TMVW-p	MT20	5.0	8.0	Edge	3.50
J	BMV1-p	MT20	3.0	4.0		
K	BMVW-t	MT20	5.0	8.0	2.50	2.00
L	BMVW-t	MT20	4.0	4.0		
M	BS-t	MT20	3.0	6.0		
N	BMVW-w	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	8.0	2.50	2.00
R	BMV1-p	MT20	3.0	4.0		

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

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

BUILDING DESIGNER

BEARINGS

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

UNFACTORED REACTIONS

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

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.78 FT.

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 MAX. UNBRACED LENGTH	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. LC1 MAX. UNBRACED LENGTH
FR-TO					FR-TO			
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	Q-C	-353 / 0	0.08 (1)
B-C	-2834 / 0	-91.8	-91.8	0.39 (1)	3.81	C-P	-210 / 0	0.13 (1)
C-D	-2687 / 0	-91.8	-91.8	0.37 (1)	3.91	P-D	0 / 246	0.06 (4)
D-E	-3080 / 0	-91.8	-91.8	0.97 (1)	2.78	D-N	0 / 844	0.19 (1)
E-F	-3080 / 0	-91.8	-91.8	0.97 (1)	2.78	N-E	-872 / 0	0.51 (1)
F-G	-2887 / 0	-91.8	-91.8	0.37 (1)	3.81	N-F	0 / 844	0.19 (1)
G-H	-2834 / 0	-91.8	-91.8	0.39 (1)	3.81	L-F	0 / 246	0.06 (4)
H-I	0 / 28	-91.8	-91.8	0.12 (1)	10.00	L-G	-210 / 0	0.13 (1)
R-B	-2018 / 0	0.0	0.0	0.20 (1)	5.94	K-G	-353 / 0	0.08 (1)
J-H	-2018 / 0	0.0	0.0	0.20 (1)	5.94	B-Q	0 / 2591	0.58 (1)
R-Q	0 / 0	-18.5	-18.5	0.10 (4)	10.00	K-H	0 / 2591	0.58 (1)
Q-P	0 / 2555	-18.5	-18.5	0.51 (1)	10.00			
P-O	0 / 2388	-18.5	-18.5	0.49 (1)	10.00			
C-N	0 / 2388	-18.5	-18.5	0.49 (1)	10.00			
N-M	0 / 2388	-18.5	-18.5	0.49 (1)	10.00			
M-L	0 / 2388	-18.5	-18.5	0.49 (1)	10.00			
L-K	0 / 2555	-18.5	-18.5	0.51 (1)	10.00			
K-J	0 / 0	-18.5	-18.5	0.10 (4)	10.00			

TOTAL WEIGHT = 2 X 139 = 277 lb

(M/F)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

(55% OF 31.3 P.S.F. G.S.L. PLUS 0.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

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

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

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

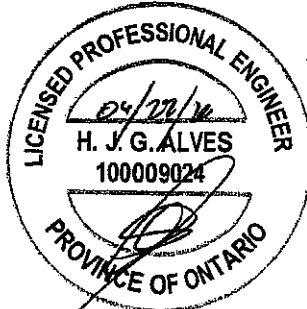
PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX	MIN	MAX	MIN
MT20	618	354	1687
			1555

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

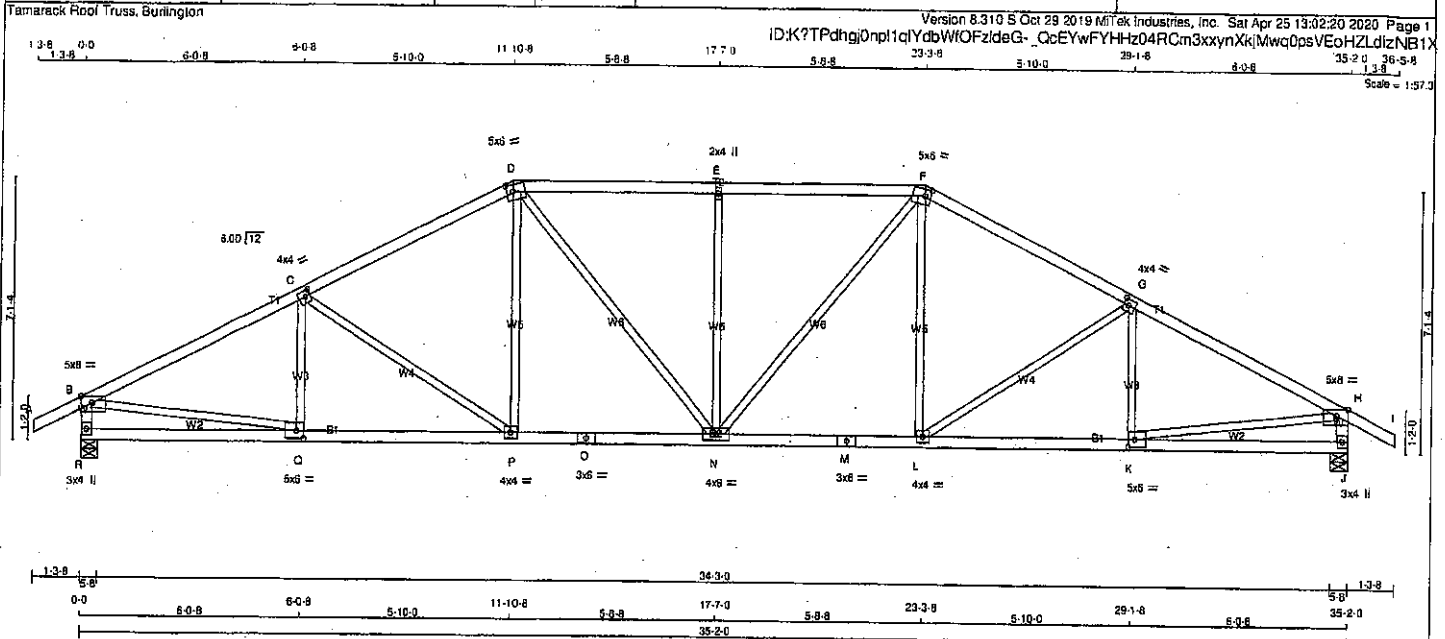
JSI GRIP= 0.87 (F) (INPUT = 0.80)

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

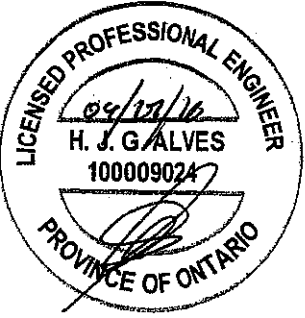


Structural component only
DWG# T-2007171

JOB NAME 408170	TRUSS NAME T43	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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LUMBER N. L. G. A. RULES CHORDS SIZE LUMBER A - D 2x4 DRY No.2 O - F 2x4 DRY No.2 F - I 2x4 DRY No.2 R - B 2x4 DRY No.2 J - H 2x4 DRY No.2 R - O 2x4 DRY No.2 O - M 2x4 DRY No.2 M - J 2x4 DRY No.2 ALL WEBS 2x3 DRY No.2 EXCEPT DRY: SEASONED LUMBER.				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER BEARINGS FACTORED MAXIMUM FACTORED INPUT REQD GROSS REACTION GROSS REACTION BRG BRG JT VERT HORZ DOWN HORZ UPLIFT IN-SX IN-SX R 2063 0 2063 0 0 5-8 5-8 J 2063 0 2063 0 0 5-8 5-8 UNFACTORED REACTIONS 1ST CASE MAX/MIN COMPONENT REACTIONS JT COMBINED SNOW LIVE PERM.LIVE WIND DEAD SOIL R 1457 969 / 0 0 / 0 0 / 0 488 / 0 0 / 0 J 1457 969 / 0 0 / 0 0 / 0 488 / 0 0 / 0 BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) R, J BRACING TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.58 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED. ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED. LOADING TOTAL LOAD CASES: (4) CHORDS MEMB. MAX. FACTORED FORCE (LBS) FACTORED VERT. LOAD (PLF) MAX. UNBRACED LENGTH (FT) MAX. FACTORED FORCE (LBS) MAX. FACTORED FORCE (LBS) FR-TO FROM TO A-B 0 / 28 -91.8 -91.8 0.12 (1) 10.00 Q-C -255 / 12 0.07 (1) B-C -2889 / 0 -91.8 -91.8 0.58 (1) 3.58 C-P -435 / 0 0.42 (1) C-D -2539 / 0 -91.8 -91.8 0.52 (1) 3.83 P-D 0 / 350 0.08 (1) D-E -2559 / 0 -91.8 -91.8 0.48 (1) 3.85 D-N 0 / 482 0.11 (1) E-F -2559 / 0 -91.8 -91.8 0.48 (1) 3.85 N-E -641 / 0 0.56 (1) F-G -2539 / 0 -91.8 -91.8 0.52 (1) 3.83 N-F 0 / 482 0.11 (1) G-H -2889 / 0 -91.8 -91.8 0.58 (1) 3.58 L-F 0 / 350 0.08 (1) H-I 0 / 28 -91.8 -91.8 0.12 (1) 10.00 L-G -435 / 0 0.42 (1) R-B -2014 / 0 0.0 0.0 0.20 (1) 5.95 K-G -255 / 12 0.07 (1) J-H -2014 / 0 0.0 0.0 0.20 (1) 5.95 B-Q 0 / 2635 0.59 (1) R-Q 0 / 0 -18.5 -18.5 0.15 (4) 10.00 K-H 0 / 2635 0.59 (1) Q-P 0 / 2609 -18.5 -18.5 0.49 (1) 10.00 P-O 0 / 2249 -18.5 -18.5 0.43 (1) 10.00 O-N 0 / 2249 -18.5 -18.5 0.43 (1) 10.00 N-M 0 / 2249 -18.5 -18.5 0.43 (1) 10.00 M-L 0 / 2249 -18.5 -18.5 0.43 (1) 10.00 L-K 0 / 2609 -18.5 -18.5 0.49 (1) 10.00 K-J 0 / 0 -18.5 -18.5 0.15 (4) 10.00				DESIGN CRITERIA SPECIFIED LOADS: TOP CH. LL = 25.3 PSF DL = 6.0 PSF BOT CH. LL = 0.0 PSF DL = 7.4 PSF TOTAL LOAD = 39.0 PSF SPACING = 24.0 IN. O/C LOADING IN FLAT SECTION BASED ON A SLOPE OF 6.00/12 THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBC 2015 THIS DESIGN COMPLIES WITH: - PART 9 OF CBC 2018, CBC 2012, ABC 2019 - PART 9 OF CBC 2012 (2019 AMENDMENT) - CSA 086-09, CSA 088-14 - TPIC 2011, TPIC 2014 (55% OF 31.3 P.S.F. G.S.L PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD ALLOWABLE DEFL.(LL) = L/360 (1.17) CALCULATED VERT. DEFL.(LL) = L/999 (0.15) ALLOWABLE DEFL.(TL) = L/360 (1.17) CALCULATED VERT. DEFL.(TL) = L/999 (0.28) CSI: TC=0.58/1.00 (B-C:1), BC=0.49/1.00 (P-Q:1), WB=0.59/1.00 (B-Q:1), SE=0.25/1.00 (D-E:1) DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10 COMPANION LIVE LOAD FACTOR = 1.00 TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT. NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI) MAX MIN MAX MIN MAX MIN MT20 618 354 1667 788 1987 1656 PLATE PLACEMENT TOL. = 0.250 inches PLATE ROTATION TOL. = 5.0 Deg. JSI GRIP = 0.69 (Q) (INPUT = 0.90) JSI METAL = 0.69 (M) (INPUT = 1.00)			
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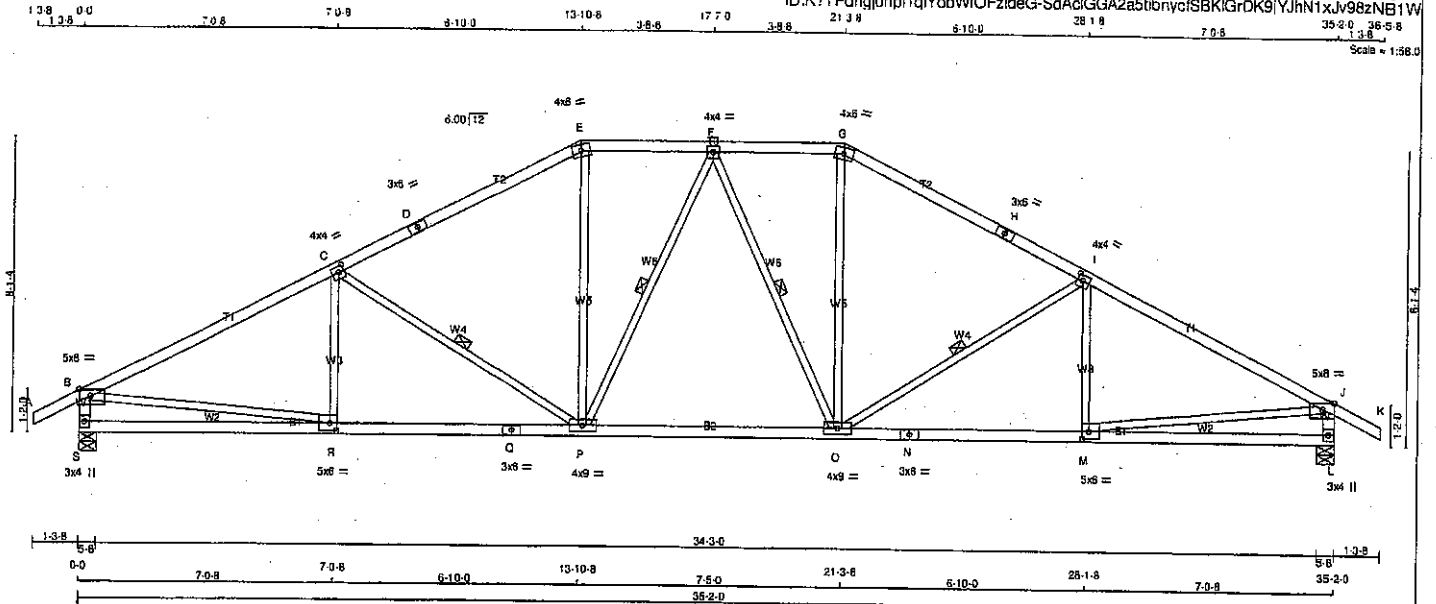


Structural component only
DWG# T-2007172

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408170	T44	2	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER
A - D	2x4	DRY	No.2		
E - G	2x4	DRY	No.2		
H - J	2x4	DRY	No.2		
K - L	2x4	DRY	No.2		
M - N	2x4	DRY	No.2		
O - P	2x4	DRY	No.2		
Q - R	2x4	DRY	No.2		
S - T	2x4	DRY	No.2		
U - V	2x4	DRY	No.2		
W - X	2x4	DRY	No.2		
Y - Z	2x4	DRY	No.2		

ALL WEBS EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

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

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

UNFACTORED REACTIONS

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

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC)	UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC)
FR-TO							FR-TO			
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	R-C	-182 / 52	0.08 (1)		
B-C	-2906 / 0	-91.8	-91.8	0.83 (1)	3.25	C-P	-637 / 0	0.29 (1)		
C-D	-2373 / 0	-91.8	-91.8	0.72 (1)	3.68	P-E	0 / 674	0.15 (1)		
D-E	-2373 / 0	-91.8	-91.8	0.72 (1)	3.68	P-F	-222 / 0	0.11 (1)		
E-F	-2100 / 0	-91.8	-91.8	0.19 (1)	4.53	F-O	-222 / 0	0.11 (1)		
F-G	-2100 / 0	-91.8	-91.8	0.19 (1)	4.53	O-G	0 / 674	0.15 (1)		
G-H	-2373 / 0	-91.8	-91.8	0.72 (1)	3.68	O-I	-637 / 0	0.29 (1)		
H-I	-2373 / 0	-91.8	-91.8	0.72 (1)	3.68	I-M	-182 / 52	0.08 (1)		
I-J	-2906 / 0	-91.8	-91.8	0.83 (1)	3.25	B-R	0 / 2649	0.50 (1)		
J-K	0 / 28	-91.8	-91.8	0.12 (1)	10.00	M-J	0 / 2649	0.50 (1)		
S-B	-2088 / 0	0.0	0.0	0.20 (1)	5.96					
L-J	-2088 / 0	0.0	0.0	0.20 (1)	5.96					
S-R	0 / 0	-18.5	-18.5	0.20 (4)	10.00					
R-Q	0 / 2830	-18.5	-18.5	0.52 (1)	10.00					
Q-P	0 / 2630	-18.5	-18.5	0.52 (1)	10.00					
P-O	0 / 2193	-18.5	-18.5	0.45 (1)	10.00					
O-N	0 / 2630	-18.5	-18.5	0.52 (1)	10.00					
N-M	0 / 2830	-18.5	-18.5	0.52 (1)	10.00					
M-L	0 / 0	-18.5	-18.5	0.20 (4)	10.00					

TOTAL WEIGHT = 2 X 145 = 291 lb [M/F]

DESIGN CRITERIA

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

SPACING = 24.0 IN./C

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

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

THIS DESIGN COMPLIES WITH:

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

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

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

CSI: TC=0.83/1.00 (B-C:1), BC=0.52/1.00 (P-R:1),
WB=0.60/1.00 (B-R:1), SS=0.28/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

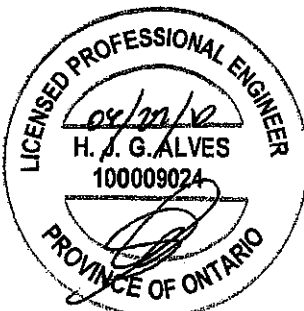
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 768 1987 1666

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.88 (M) (INPUT = 0.90)
JSI METAL = 0.79 (Q) (INPUT = 1.00)



Structural component only
DWG# T-2007173

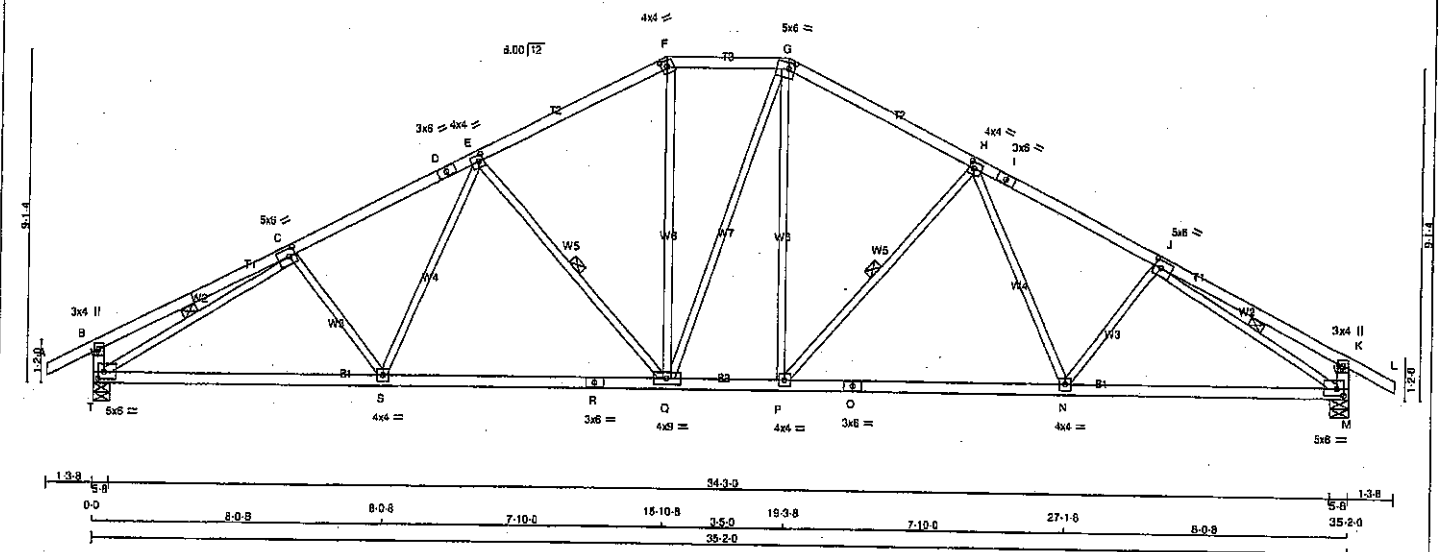
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408170	T45	2	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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Scale = 1/20.0



LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
F - G	2x4	DRY	No.2	SPF
G - I	2x4	DRY	No.2	SPF
I - L	2x4	DRY	No.2	SPF
L - B	2x4	DRY	No.2	SPF
M - K	2x4	DRY	No.2	SPF
T - R	2x4	DRY	No.2	SPF
R - O	2x4	DRY	No.2	SPF
O - M	2x4	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMV+p	MT20	3.0	4.0		
C TMWV+1	MT20	5.0	6.0	2.50	2.25
D TS-1	MT20	3.0	6.0		
E TMWV+1	MT20	4.0	4.0	2.00	1.50
F TTW-h	MT20	4.0	4.0	2.00	1.75
G TTWV-m	MT20	5.0	6.0	2.00	2.00
H TMWV+1	MT20	4.0	4.0	2.00	1.50
I TS-1	MT20	3.0	6.0		
J TMWV+1	MT20	5.0	6.0	2.50	2.25
K TMV+p	MT20	3.0	4.0		
M BMWV+1	MT20	5.0	6.0	2.25	2.00
N, P, S					
N BMWV+1	MT20	4.0	4.0		
O BS-1	MT20	3.0	6.0		
Q BMWV+1	MT20	4.0	9.0		
R BS-1	MT20	3.0	6.0		
T BMWV+1	MT20	5.0	6.0	2.25	2.00

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

BEARINGS

FACTORED	MAXIMUM FACTORED	INPUT	RECORD
GROSS REACTION	GROSS REACTION	BRG	BRG
JT VERT	HORZ	DOWN	HORZ
T 2063	0	2063	0
M 2063	0	2063	0

UNFACTORED REACTIONS

1ST LCASE	MAX / MIN	COMPONENT REACTIONS
JT COMBINED	SNOW	LIVE
T 1457	969 / 0	0 / 0
M 1457	969 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLINE SPACING = 3.86 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF E-Q, H-P, C-T, J-M.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 (PL)	MEMB.	FORCE (LBS)
FR-TO			FR-TO	
A-B	0 / 28	-91.8	C-S	-110 / 37
B-C	0 / 19	-91.8	S-E	0 / 276
C-D	-2759 / 0	-91.8	E-Q	-661 / 0
D-E	-2759 / 0	-91.8	Q-F	0 / 613
E-F	-2167 / 0	-91.8	F-G	0 / 4
F-G	-1925 / 0	-91.8	G-H	0 / 609
G-H	-2166 / 0	-91.8	H-I	-682 / 0
H-I	-2760 / 0	-91.8	I-J	0 / 278
I-J	-2760 / 0	-91.8	J-K	-110 / 37
J-K	0 / 19	-91.8	K-L	-3040 / 0
K-L	0 / 28	-91.8	L-M	-3041 / 0
L-M	-326 / 0	0.0		
M-K	-326 / 0	0.0		
T-S	0 / 2536	-18.5		
S-R	0 / 2362	-18.5		
R-Q	0 / 2362	-18.5		
Q-P	0 / 1924	-18.5		
P-O	0 / 2362	-18.5		
O-N	0 / 2362	-18.5		
N-M	0 / 2537	-18.5		

TOTAL WEIGHT = 2 X 151 = 302 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. CC

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

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

THIS DESIGN COMPLIES WITH:

- PART 8 OF CBC 2018, CBC 2012, ABC 2019
- PART 8 OF CBC 2012 (2019 AMENDMENT)
- CSA C88-08, CSA C88-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (1.17")
CALCULATED VERT. DEFL.(LL) = L/999 (0.15")
ALLOWABLE DEFL.(TL) = L/360 (1.17")
CALCULATED VERT. DEFL.(TL) = L/999 (0.32")

CSI: TC=0.40/1.00 (H-J:1), BC=0.56/1.00 (M-N:1),
WB=0.85/1.00 (J-M:1), SSI=0.20/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

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

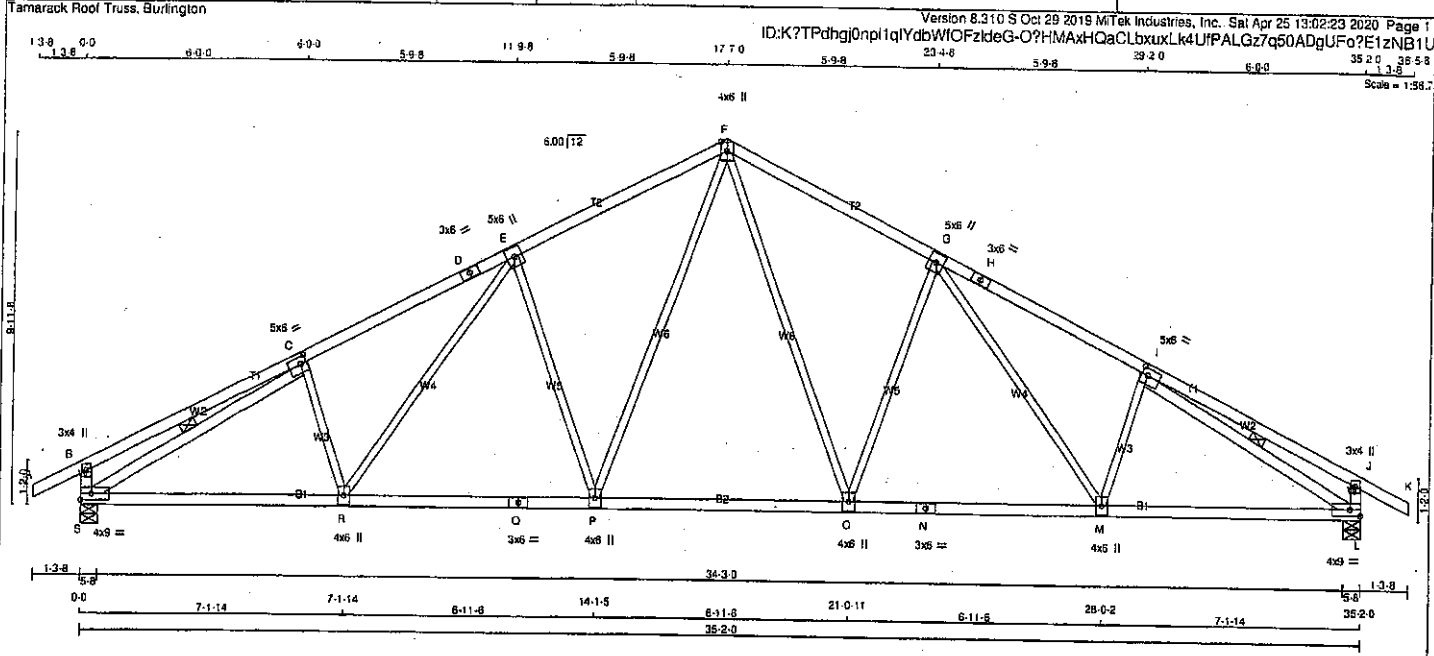
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.69 (M) (INPUT = 0.90)
JSI METAL = 0.78 (O) (INPUT = 1.00)



Structural component only
DWG# T-2007174



LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY										TOTAL WEIGHT = 6 X 152 = 910 lb			
N. L. G. A. RULES				BUILDING DESIGNER										DESIGN CRITERIA			
CHORDS		SIZE	LUMBER	DESCR.		BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT	REQ'D	SPECIFIED LOADS:			
						GROSS REACTION		GROSS REACTION		BRG		BRG		TOP CH. LL = 25.8 PSF			
						JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	BOT CH. LL = 8.0 PSF			
						S	2063	0	2063	0	0	5-8	5-8	LL = 0.0 PSF			
						L	2063	0	2063	0	0	5-8	5-8	DL = 7.4 PSF			
														TOTAL LOAD = 39.0 PSF			
														SPACING = 24.0 IN./C			
						UNFACTORED REACTIONS										THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010, NBCC 2015	
						1ST LCASE MAX./MIN. COMPONENT REACTIONS											
						JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL				
						S	1457	969 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0				
						L	1457	969 / 0	0 / 0	0 / 0	0 / 0	488 / 0	0 / 0				
BEARING MATERIAL TO BE SP. NO. 2 OR BETTER AT JOINTS																	

DRY: SEASONED LUMBER.

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

DL = 8.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 085-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

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

CALCULATED VERT. DEFL.(LL) = L/999 (0.14")

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

CALCULATED VERT. DEFL.(TL) = L/999 (0.28")

CSI: TC=0.49/1.00 (G-H), BC=0.53/1.00 (R-S), WB=0.72/1.00 (E-P), SS=0.22/1.00 (B-C)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

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

MAX MIN MAX MIN MAX MIN

MT20 618 354 1667 768 1887 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

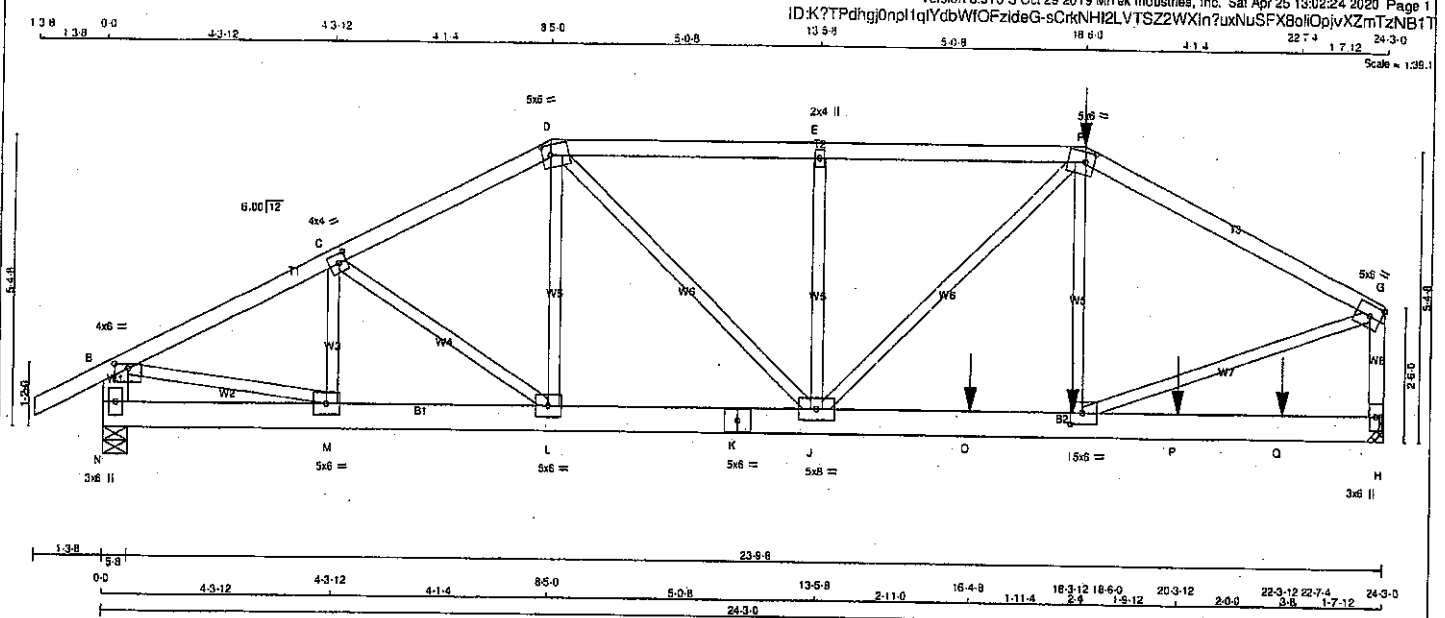
JSI GRIP = 0.87 (C) (INPUT = 0.90)

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

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0/28	-91.8 -91.8	0.12 (1)	F-O	0/866	0.19 (1)	
B-C	0/22	-91.8 -91.8	0.40 (1)	D-G	-726/0	0.72 (1)	
C-D	-2808/0	-91.8 -91.8	0.49 (1)	G-M	0/391	0.09 (1)	
D-E	-2808/0	-91.8 -91.8	0.49 (1)	M-I	-192/18	0.05 (1)	
E-F	-2322/0	-91.8 -91.8	0.46 (1)	P-F	0/866	0.19 (1)	
F-G	-2322/0	-91.8 -91.8	0.46 (1)	E-P	-726/0	0.72 (1)	
G-H	-2808/0	-91.8 -91.8	0.49 (1)	R-E	0/391	0.09 (1)	
H-I	-2808/0	-91.8 -91.8	0.49 (1)	C-R	-192/18	0.05 (1)	
I-J	0/22	-91.8 -91.8	0.40 (1)	S-C	-3064/0	0.72 (1)	
J-K	0/28	-91.8 -91.8	0.12 (1)	L-L	-3064/0	0.72 (1)	
S-B	-344/0	0.0 0.0	0.03 (1)				
L-J	-344/0	0.0 0.0	0.03 (1)				

S-R	0/2574	-18.5 -18.5	0.53 (1)	10.00
R-Q	0/2291	-18.5 -18.5	0.47 (1)	10.00
Q-P	0/2291	-18.5 -18.5	0.47 (1)	10.00
P-O	0/1762	-18.5 -18.5	0.38 (1)	10.00
O-N	0/2291	-18.5 -18.5	0.47 (1)	10.00
N-M	0/2291	-18.5 -18.5	0.47 (1)	10.00
M-L	0/2574	-18.5 -18.5	0.53 (1)	10.00

Structural component only
DWG# T-2007175



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

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-D	12	TOP
D-F	12	SIDE(61.0)
F-G	12	SIDE(61.0)
H-G	12	TOP
N-B	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
N-K	12	TOP
K-H	12	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	IN-SX	IN-SX
N	2120	0	5-8	5-8
H	3119	0	MECHANICAL	

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

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED SNOW LIVE PERM. LIVE WIND DEAD SOIL
N	1485 1003 / 0 0 / 0 0 / 0 492 / 0 0 / 0
H	2201 1472 / 0 0 / 0 0 / 0 729 / 0 0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.64 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.	FORCE	MAX	FACTORED
MEMB.	FORCE	(LBS)	(PLF)	CS1	(LC)	UNBRAC	LENGTH	FR-TO	(LBS)	CS1
A-B	0 / 28	-91.8	-91.8	0.07	(1)	10.00	M-C	-408 / 0	0.04	(1)
B-C	-2914 / 0	-91.8	-91.8	0.17	(1)	5.22	C-L	-66 / 0	0.01	(1)
C-D	-2692 / 0	-91.8	-91.8	0.17	(1)	5.24	L-D	0 / 70	0.01	(4)
D-E	-3517 / 0	-91.8	-91.8	0.27	(1)	4.74	D-J	0 / 1336	0.17	(1)
E-F	-3517 / 0	-91.8	-91.8	0.27	(1)	4.74	J-E	-555 / 0	0.12	(1)
F-G	-3466 / 0	-91.8	-91.8	0.39	(1)	4.64	J-F	0 / 575	0.07	(1)
N-B	-2064 / 0	0.0	0.0	0.07	(1)	7.81	I-F	0 / 522	0.06	(1)
H-G	-2933 / 0	0.0	0.0	0.20	(1)	6.72	I-G	0 / 3283	0.41	(1)
N-M	0 / 0	-18.5	-18.5	0.03	(1)	10.00	B-M	0 / 2664	0.33	(1)
M-L	0 / 2822	-18.5	-18.5	0.21	(1)	10.00				
L-K	0 / 2566	-18.5	-18.5	0.33	(1)	10.00				
K-J	0 / 2566	-18.5	-18.5	0.33	(1)	10.00				
J-O	0 / 3109	-18.5	-18.5	0.59	(1)	10.00				
O-I	0 / 3109	-18.5	-18.5	0.59	(1)	10.00				
I-P	0 / 0	-18.5	-18.5	0.32	(1)	10.00				
P-Q	0 / 0	-18.5	-18.5	0.32	(1)	10.00				
Q-H	0 / 0	-18.5	-18.5	0.32	(1)	10.00				

FACTORED CONCENTRATED LOADS (LBS)	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
JT	18-6-0	-178	-178	---	FRONT	VERT	TOTAL	---	C1
I	18-3-12	-35	-35	---	FRONT	VERT	TOTAL	---	C1
O	16-4-8	-1661	-1661	---	FRONT	VERT	TOTAL	---	C1
P	20-3-12	-283	-283	---	FRONT	VERT	TOTAL	---	C1
Q	22-3-12	-284	-284	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 2 X 114 = 228 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.81")
CALCULATED VERT. DEFL.(LL) = L/999 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/999 (0.15")

CSI: TC=0.39/1.00 (F-G-1), BC=0.69/1.00 (H-J-1), WB=0.41/1.00 (G-I-1), SS=0.37/1.00 (I-J-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

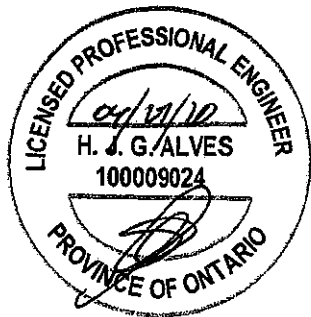
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES	PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	518	354	1667
	768	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.87 (I) (INPUT = 0.90)
JSI METAL = 0.44 (G) (INPUT = 1.00)



Structural component only
DWG# T-2007176 92

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408170	T47	1	2	GREEN PARK HOMES	

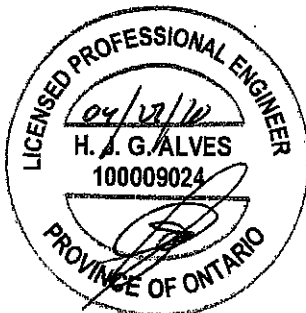
Tamarack Roof Truss, Burlington

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PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	4.0	6.0	1.00 3.00
C	TMWW-t	MT20	4.0	4.0	2.00 1.75
D	TTWW-m	MT20	5.0	6.0	2.25 2.00
E	TMW+w	MT20	2.0	4.0	
F	TTWW-m	MT20	5.0	6.0	2.25 2.00
G	TMVW-t	MT20	5.0	6.0	Edge
H	BMV1+p	MT20	3.0	6.0	
I	BMWW-t	MT20	5.0	6.0	2.50 2.75
J	BMWWW-t	MT20	5.0	8.0	
K	BS-t	MT20	5.0	6.0	
L	BMWW-t	MT20	5.0	6.0	
M	BMWW-t	MT20	5.0	6.0	
N	BMV1+p	MT20	3.0	6.0	

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

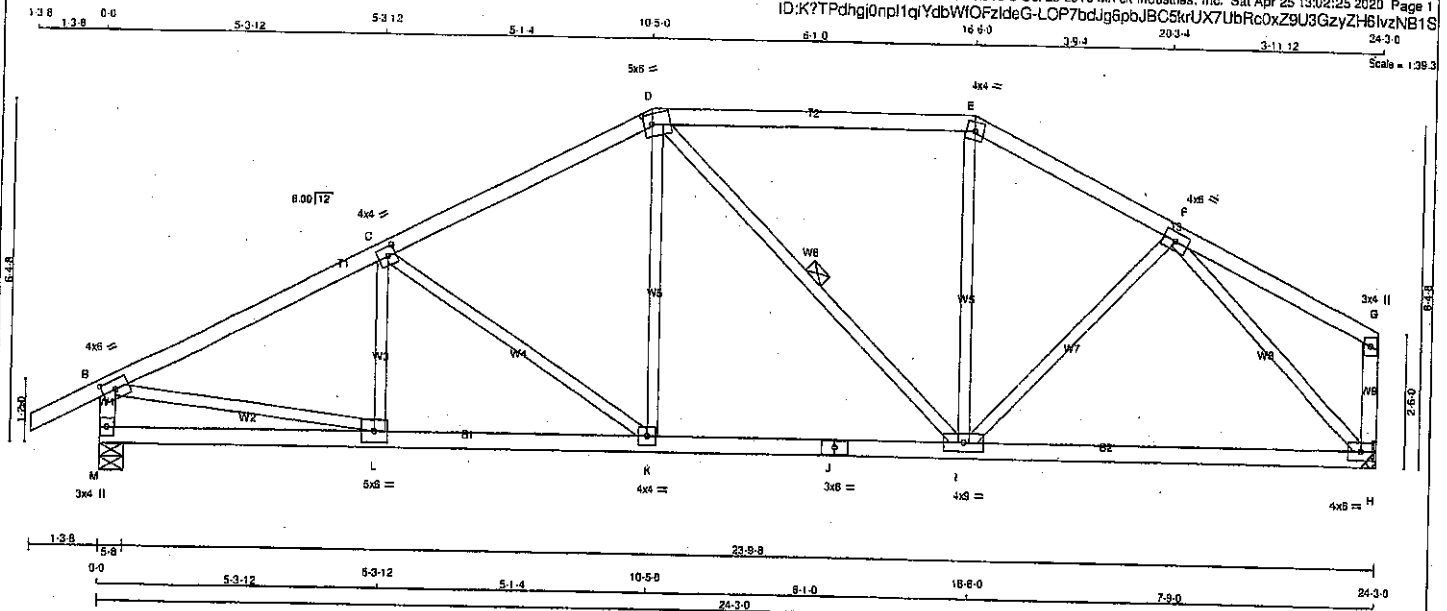


Structural component only
DWG# T-2007176 *YV*

JOB NAME 408170	TRUSS NAME T48	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF	
D - E	2x4	DRY	No.2	SPF	
E - G	2x4	DRY	No.2	SPF	
M - B	2x4	DRY	No.2	SPF	
H - G	2x4	DRY	No.2	SPF	
M - J	2x4	DRY	No.2	SPF	
J - H	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-I	MT20	4.0	6.0	2.00	3.00
C		TMVW-I	MT20	4.0	4.0	2.00	1.75
D		TTWV-m	MT20	5.0	5.0	2.25	2.00
E		TTW-m	MT20	4.0	4.0		
F		TMVW-I	MT20	4.0	6.0		
G		TMV+p	MT20	3.0	4.0		
H		BMVW1-t	MT20	4.0	6.0		
I		BMVWV-I	MT20	4.0	9.0		
J		BS-I	MT20	3.0	6.0		
K		BMVW-I	MT20	4.0	4.0		
L		BMVW-I	MT20	5.0	6.0		
M		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	REORD
JT	GROSS REACTION	GROSS REACTION	BRG	BRG
M	VERT	DOWN	0/0	0/0
H	HORZ	UPLIFT	5-8	5-8
			MECHANICAL	

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT H. MINIMUM BEARING LENGTH AT JOINT H = 3-6.

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
M	1031	690 / 0	0 / 0	0 / 0	341 / 0	0 / 0
H	945	620 / 0	0 / 0	0 / 0	325 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.56 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF D-I.

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)	FACTORED MAX. CSI (LC)	MAX. LENGTH UNBRAC	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO						FR-TO			
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	L-C	-165 / 32	0.04 (1)	
B-C	-1844 / 0	-91.8	-91.8	0.36 (1)	4.58	C-K	-438 / 0	0.31 (1)	
C-D	-1428 / 0	-91.8	-91.8	0.34 (1)	5.00	K-D	0 / 334	0.08 (1)	
D-E	-1181 / 0	-91.8	-91.8	0.48 (1)	5.27	D-I	-189 / 0	0.09 (1)	
E-F	-1336 / 0	-91.8	-91.8	0.18 (1)	5.42	I-E	0 / 175	0.05 (4)	
F-G	0 / 18	-91.8	-91.8	0.21 (1)	10.00	I-F	0 / 158	0.04 (4)	
M-B	-1419 / 0	0.0	0.0	0.14 (1)	6.95	B-L	0 / 1692	0.38 (1)	
H-G	-138 / 0	0.0	0.0	0.02 (1)	7.81	F-H	-1553 / 0	0.82 (1)	
M-L	0 / 0	-18.5	-18.5	0.12 (4)	10.00				
L-K	0 / 1671	-18.5	-18.5	0.32 (1)	10.00				
K-J	0 / 1313	-18.5	-18.5	0.36 (4)	10.00				
J-I	0 / 1313	-18.5	-18.5	0.39 (4)	10.00				
I-H	0 / 1089	-18.5	-18.5	0.34 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 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 (0.81")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.81")
CALCULATED VERT. DEFL.(TL) = L/999 (0.14")

CSI TC=0.46/1.00 (D-E:1), BC=0.36/1.00 (I-K:4), WB=0.82/1.00 (F-H:1), SS=0.22/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PS)	(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= 0.90 (B) (INPUT = 0.90)
JSI METAL= 0.50 (B) (INPUT = 1.00)

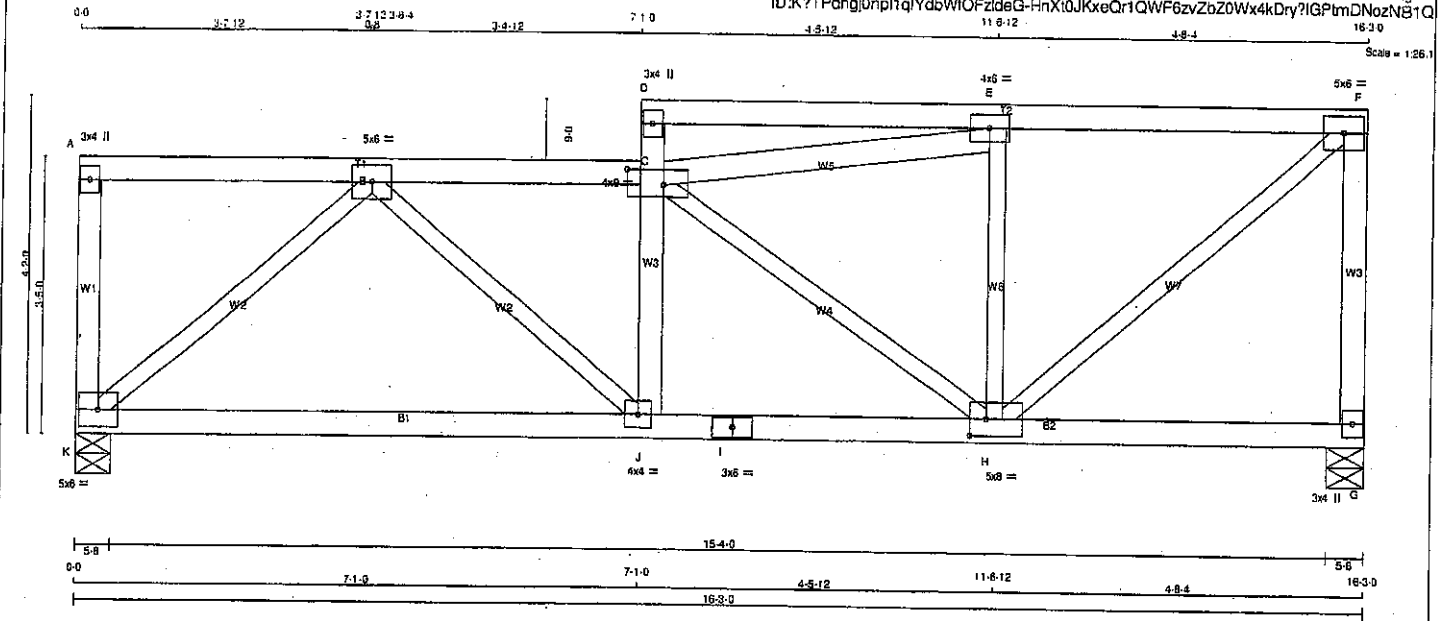


Structural component only
DWG# T-2007177

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408170	T49	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 3 X 72 = 216 lb
(M/R)

LUMBER

N. L. G. A. RULES

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

ALL WEBS	2x3	DRY No.2	SPF
EXCEPT			
C - E	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-1	MT20	5.0	6.0	
C	TMVW-1	MT20	4.0	9.0	2.25 5.50
D	TMV-p	MT20	3.0	4.0	
E	TMVW-1	MT20	4.0	8.0	
F	TMVW-1	MT20	5.0	8.0	
G	BMV1-p	MT20	3.0	4.0	
H	BMVW-1	MT20	5.0	8.0	2.50 2.50
I	BS-1	MT20	3.0	6.0	
J	BMVW-1	MT20	4.0	4.0	
K	BMVW-1	MT20	5.0	6.0	

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

PROVIDE ADEQUATE DRAINAGE TO PREVENT PONDING

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ UPLIFT
K	1079	0	1079	0
G	1079	0	1079	0

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
K	780	416 / 0	0 / 0	0 / 0	0 / 0	364 / 0	0 / 0
G	780	416 / 0	0 / 0	0 / 0	0 / 0	364 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.47 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)	VERT. LOAD (PLF)	MAX. FACTORED CSF (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSF (LC)	
FR-TO		FROM TO		FR-TO			
K-A	-183 / 0	0.0	0.0 0.04 (1)	7.81	K-B	-1328 / 0	0.65 (1)
A-B	0 / 0	-114.3	-114.3 0.32 (1)	10.00	B-J	0 / 538	0.16 (1)
B-C	-1416 / 0	-114.3	-114.3 0.37 (1)	4.47	C-E	-961 / 0	0.30 (1)
J-C	-226 / 0	0.0	0.0 0.08 (1)	7.81	C-H	-489 / 0	0.30 (1)
C-D	-183 / 0	0.0	0.0 0.08 (1)	7.81	H-E	-471 / 0	0.18 (1)
D-E	-55 / 0	-114.3	-114.3 0.51 (1)	8.25	H-F	0 / 1303	0.39 (1)
E-F	-1004 / 0	-114.3	-114.3 0.55 (1)	4.81			
G-F	-1039 / 0	0.0	0.0 0.37 (1)	6.91			
K-J	0 / 1013	-18.5	-18.5 0.41 (4)	10.00			
J-I	0 / 1402	-18.5	-18.5 0.48 (4)	10.00			
I-H	0 / 1402	-18.5	-18.5 0.48 (4)	10.00			
H-G	0 / 0	-18.5	-18.5 0.13 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 0.00/12

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-03, 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 (0.54")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.54")
CALCULATED VERT. DEFL.(TL) = L/999 (0.11")

CSF: TC=0.55/1.00 (E-F:1), BC=0.48/1.00 (H-J:4), WB=0.65/1.00 (B-K:1), SS=0.34/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00
FLAT ROOF FACTOR = 0.75

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 616 354 1667 768 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (C) (INPUT = 0.90)
JSI METAL= 0.82 (B) (INPUT = 1.00)

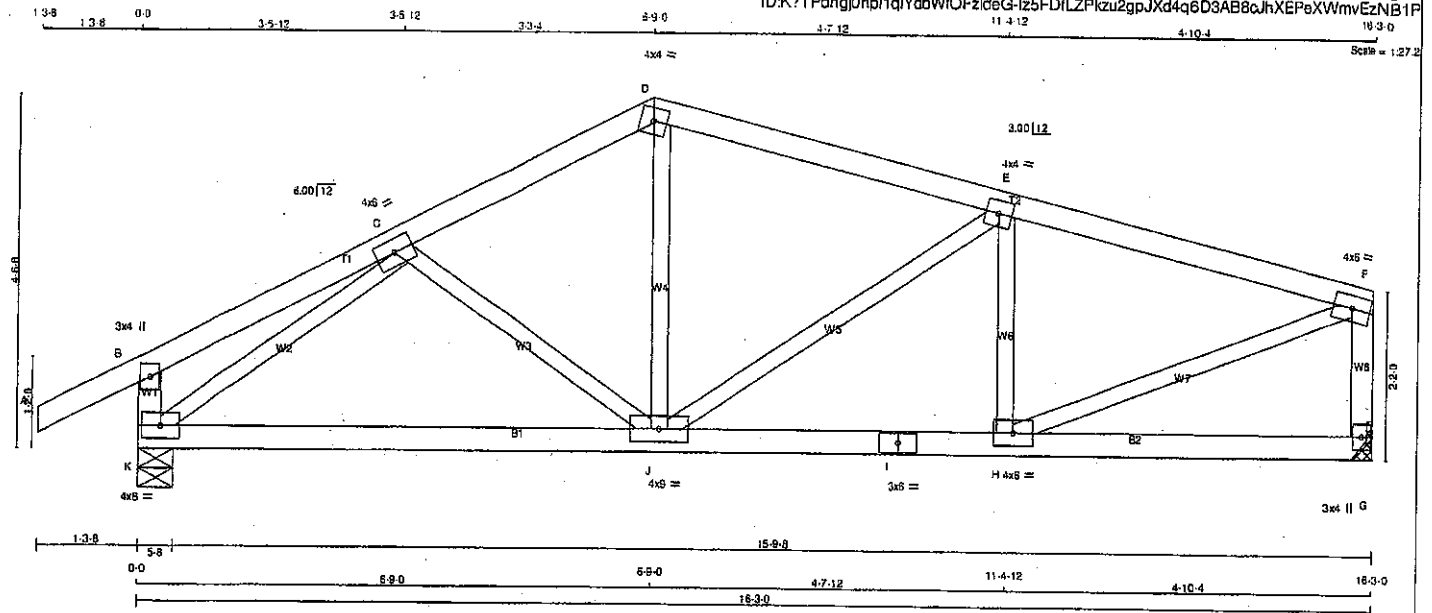


Structural component only
DWG# T-2007178

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408170	T50	2	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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LUMBER

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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVW-t	MT20	4.0	6.0		
D	TTW-t	MT20	4.0	4.0		
E	TMVW-t	MT20	4.0	4.0		
F	TMVW-t	MT20	4.0	6.0		
G	BMV+p	MT20	3.0	4.0		
H	BMVW-t	MT20	4.0	6.0		
I	BS-t	MT20	3.0	8.0		
J	BMVW-t	MT20	4.0	9.0		
K	BMVW-t	MT20	4.0	6.0		

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	SNOW	GROSS REACTION	DOWN	GROSS REACTION	BRG	BRG	IN-SX	IN-SX
K	1020	0	1020	0	0	5-8	5-8		
G	898	0	898	0	0	MECHANICAL			

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

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
K	719	485/0	0/0	0/0	0/0	234/0	0/0
G	833	416/0	0/0	0/0	0/0	218/0	0/0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.73 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. FACTORED (LBS)	MEMB.	FORCE (LBS)	MAX. FACTORED (LBS)	MAX. FACTORED (LBS)
A-B	0/28	-91.8	-91.8 0.12 (1)	10.00	C-J	-135/7	0.04 (1)
B-C	0/14	-91.8	-91.8 0.15 (1)	10.00	J-D	0/355	0.08 (1)
C-D	-962/0	-91.8	-91.8 0.13 (1)	6.20	D-E	-289/0	0.13 (1)
D-E	-894/0	-91.8	-91.8 0.26 (1)	6.18	E-F	-335/0	0.07 (1)
E-F	-1094/0	-91.8	-91.8 0.27 (1)	5.73	F-G	-1196/0	0.35 (1)
F-G	-248/0	0.0	0.0 0.03 (1)	7.81	G-H	0/1150	0.28 (1)
G-H	-855/0	0.0	0.0 0.10 (1)	7.81			
K-J	0/956	-18.5	-18.5 0.26 (1)	10.00			
J-I	0/1073	-18.5	-18.5 0.27 (1)	10.00			
I-H	0/1073	-18.5	-18.5 0.27 (1)	10.00			
H-G	0/0	-18.5	-18.5 0.10 (4)	10.00			

TOTAL WEIGHT = 2 X 63 = 126 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, NBC 2012, ABC 2018
- PART 9 OF NBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.54")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.54")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSH: TC=0.27/1.00 (E-F:1), BC=0.27/1.00 (H-J:1),
WB=0.35/1.00 (C-K:1), SS=0.21/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

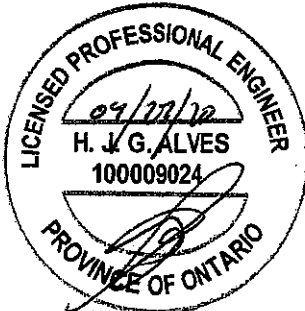
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1697 768

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.71 (H) (INPUT = 0.90)
JSI METAL= 0.32 (I) (INPUT = 1.00)



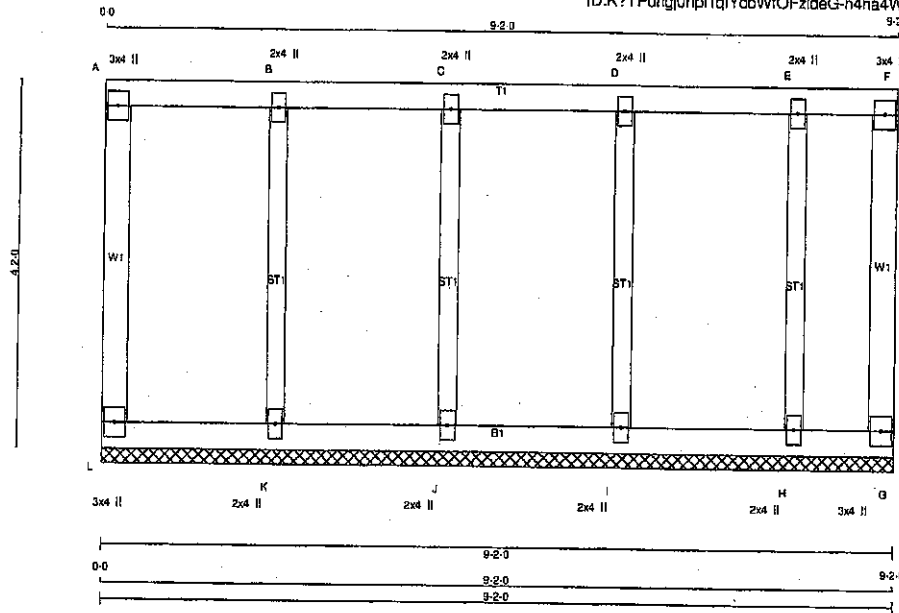
Structural component only
DWG# T-2007179

Structural component only
DWG# T-2007180

JOB NAME 408170	TRUSS NAME G52	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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

GABLE STUDS SPACED AT 2'-0" OC.

PLATES (table is in inches)

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

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

PROVIDE ADEQUATE DRAINAGE TO PREVENT PONDING.
BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
L-A	-100 / 0	0.0 0.0 0.02 (1)	7.81	K-B	-245 / 0	0.09 (1)	
A-B	-4 / 0	-114.3 -114.3 0.08 (1)	10.00	J-C	-224 / 0	0.08 (1)	
B-C	-4 / 0	-114.3 -114.3 0.08 (1)	10.00	I-D	-238 / 0	0.08 (1)	
C-D	-4 / 0	-114.3 -114.3 0.07 (1)	10.00	H-E	-185 / 0	0.06 (1)	
D-E	-4 / 0	-114.3 -114.3 0.07 (1)	10.00				
E-F	-4 / 0	-114.3 -114.3 0.05 (1)	10.00				
G-F	-54 / 0	0.0 0.0 0.02 (1)	7.81				
L-K	0 / 4	-18.5 -18.5 0.02 (4)	10.00				
K-J	0 / 4	-18.5 -18.5 0.02 (4)	10.00				
J-I	0 / 4	-18.5 -18.5 0.02 (4)	10.00				
I-H	0 / 4	-18.5 -18.5 0.02 (4)	10.00				
H-G	0 / 4	-18.5 -18.5 0.01 (4)	10.00				

TOTAL WEIGHT = 41 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. OC

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

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

THIS DESIGN COMPLIES WITH:

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

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

CSI: TC=0.08/1.00 (B-C:1), BC=0.02/1.00 (J-K:4), WB=0.09/1.00 (B-K:1), SS=0.13/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00
FLAT ROOF FACTOR = 0.75

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

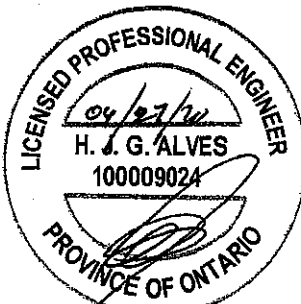
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.17 (B) (INPUT = 0.90)
JSI METAL = 0.07 (K) (INPUT = 1.00)



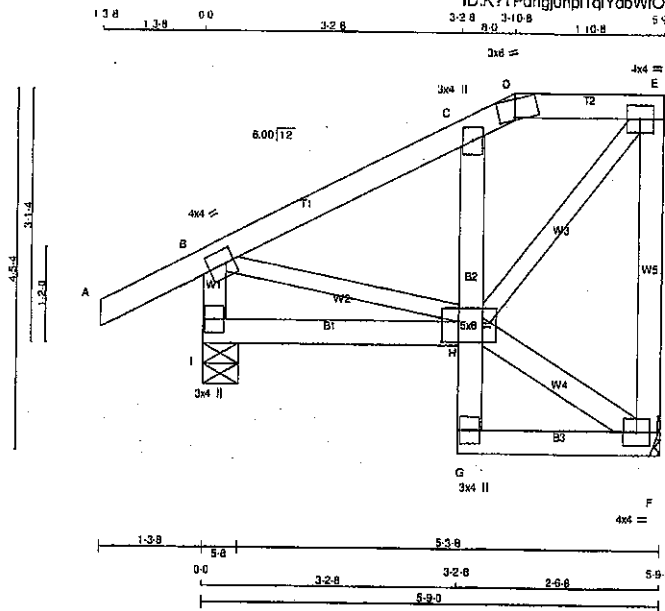
Structural component only
DWG# T-2007166

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408170	T53S	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1/25.0



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

DRY: SEASONED LUMBER.

PLATES (table/s in inches)	JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	4.0	2.00	1.25	
C	TMV+p	MT20	3.0	4.0			
D	TT-m	MT20	3.0	8.0	0.50	2.50	
E	TMVW-t	MT20	4.0	4.0			
F	BMVW1-t	MT20	4.0	4.0			
G	BMV+p	MT20	3.0	4.0			
H	BVMWW1-t	MT20	5.0	8.0	3.00	2.50	
I	BMV1+p	MT20	3.0	4.0			

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	IN-SX	IN-SX
F	302	0	0	MECHANICAL
I	457	0	0	5-8

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

UNFACTORED REACTIONS

1ST CASE	MAX/MIN COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	214	138 / 0	0 / 0	0 / 0	0 / 0	75 / 0	0 / 0
I	320	225 / 0	0 / 0	0 / 0	0 / 0	95 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX	LC1 MAX	UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO							FR-TO		
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	H-F	-10 / 0	0.00 (1)	
B-C	-217 / 0	-91.8	-91.8	0.14 (1)	6.25	B-H	0 / 153	0.03 (1)	
C-D	-200 / 0	-91.8	-91.8	0.05 (1)	6.25	H-E	0 / 247	0.06 (1)	
D-E	-157 / 0	-91.8	-91.8	0.03 (1)	6.25				
F-E	-273 / 0	0.0	0.0	0.03 (1)	7.81				
I-B	-420 / 0	0.0	0.0	0.04 (4)	7.81				
F-H	0 / 41	-18.5	-18.5	0.05 (4)	10.00				
G-H	0 / 25	0.0	0.0	0.02 (1)	10.00				
H-C	-188 / 0	0.0	0.0	0.04 (1)	7.81				
G-F	0 / 18	-18.5	-18.5	0.02 (4)	10.00				

TOTAL WEIGHT = 33 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2010, CBC 2012, ABC 2010
- 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 (0.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/999 (0.00")

CSI: TC=0.14/1.00 (B-C:1), BC=0.05/1.00 (H-I:4), WB=0.05/1.00 (E-H:1), CSI=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.

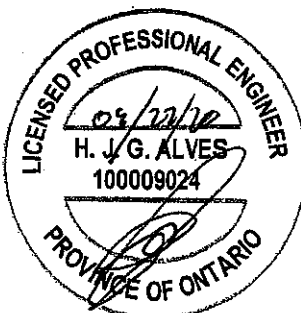
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MT20	818	354	1867 788 1987 1856

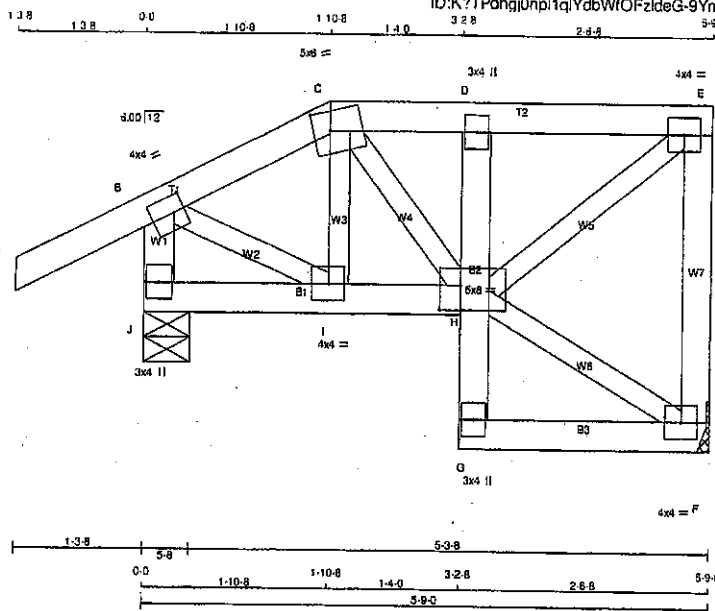
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.36 (H) (INPUT = 0.80)
JSI METAL = 0.13 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007181



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

ALL WEBS 2x3 DRY No.2
 EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-1	MT20	4.0	4.0	2.00	1.25
C	TTWW-m	MT20	5.0	6.0	2.25	2.00
D	TMVW-p	MT20	3.0	4.0		
E	TMVW-1	MT20	4.0	4.0		
F	BMVW-1	MT20	4.0	4.0		
G	BMVW-p	MT20	3.0	4.0		
H	BMVWW-1	MT20	5.0	6.0	3.00	2.50
I	BMVW-1	MT20	4.0	4.0		
J	BMVW-p	MT20	3.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	UP
F	302	0	302	0
J	456	0	456	0

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	214	139 / 0	0 / 0	0 / 0	0 / 0	75 / 0	0 / 0
J	320	225 / 0	0 / 0	0 / 0	0 / 0	95 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC2)	MAX. FACTORED VERT. LOAD (LC3)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC2)	MAX. FACTORED VERT. LOAD (LC3)
FR-TO						FR-TO				
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	I-C	-50 / 10	0.01 (1)		
B-C	-240 / 0	-91.8	-91.8	0.12 (1)	6.25	C-H	0 / 84	0.02 (1)		
C-D	-246 / 0	-91.8	-91.8	0.05 (1)	6.25	H-F	-9 / 0	0.00 (1)		
D-E	-241 / 0	-91.8	-91.8	0.07 (1)	6.25	H-E	0 / 302	0.07 (1)		
E-F	-278 / 0	0.0	0.0	0.05 (1)	7.81	B-I	0 / 214	0.05 (1)		
J-B	-439 / 0	0.0	0.0	0.04 (1)	7.81					
J-I	0 / 0	-18.5	-18.5	0.02 (4)	10.00					
I-H	0 / 193	-18.5	-18.5	0.04 (1)	10.00					
G-H	0 / 25	0.0	0.0	0.02 (1)	10.00					
H-D	-219 / 0	0.0	0.0	0.01 (1)	7.81					
G-F	0 / 8	-18.5	-18.5	0.03 (4)	10.00					

TOTAL WEIGHT = 31 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

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

CS: TC=0.12/1.00 (A-B:1), BC=0.04/1.00 (H-I:1), WB=0.07/1.00 (E-H:1), SS=0.10/1.00 (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.

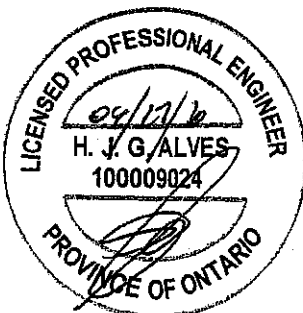
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.33 (B) (INPUT = 0.90)
 JSI METAL = 0.13 (B) (INPUT = 1.00)



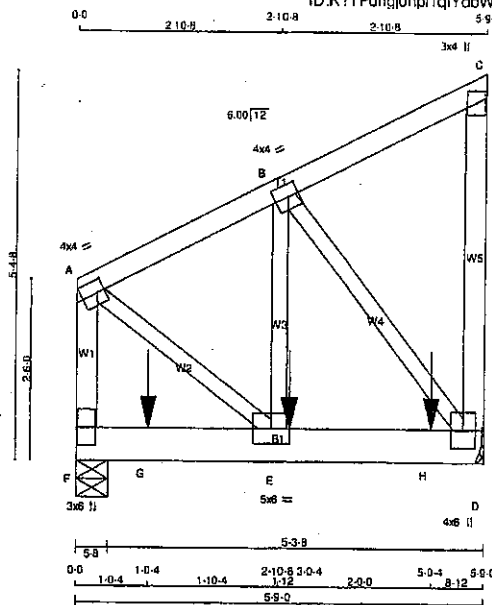
Structural component only
 DWG# T-2007182

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408170	T55	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:K?TPdhgJ0np1qlydbWICFzIdG-dkKm30C3SzTJW74mT9mG3DvHl_9dNX?Z9U_2?zNB1L



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

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

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
F - A	12	TOP
A - C	12	TOP
C - D	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
F - D	12	SIDE(183.1)
WEBS : (0.122"x3") SPIRAL NAILS		
B - E	6	SIDE(45.8)
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	4.0	4.0	2.00	1.25
B	TMVW-t	MT20	4.0	4.0	2.00	1.75
C	TMV-p	MT20	3.0	4.0		
D	BMVW1+p	MT20	4.0	8.0		
E	BMVW-t	MT20	5.0	8.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQRD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORIZ	DOWN	UP
F	1589	0	1589	0
D	1680	0	1680	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
F	1121	750 / 0	0 / 0
D	1185	792 / 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	MAX. FACTORED	FACTORED	VERT. LOAD	LOC	MAX	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	CSI (LC)	UNBRAC	MEMB.	FORCE (LBS)	MAX
FR-TO	FROM TO	LENGTH	FR-TO				
F-A	-1074 / 0	0.0	0.0	0.07 (1)	7.81	A-E	0 / 975
A-B	-867 / 0	-91.8	-91.8	0.06 (1)	6.25	E-B	0 / 1044
B-C	-12 / 0	-91.8	-91.8	0.06 (1)	6.25	B-D	-1248 / 0
D-C	-105 / 0	0.0	0.0	0.02 (1)	7.81		0.21 (1)
F-G	0 / 0	-18.5	-18.5	0.19 (1)	10.00		
G-E	0 / 0	-18.5	-18.5	0.19 (1)	10.00		
E-H	0 / 786	-18.5	-18.5	0.21 (1)	10.00		
H-D	0 / 786	-18.5	-18.5	0.21 (1)	10.00		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC	LOC	MAX	MAX	FACE	DIF.	TYPE	HEEL	CONN.
E	3-0-4	-877	-877	---	BACK	VERT	TOTAL	---	C1
G	1-0-4	-877	-877	---	BACK	VERT	TOTAL	---	C1
H	5-0-4	-880	-880	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 2 X 34 = 67 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

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

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

CSI: TC=0.07/1.00 (A-F:1), BC=0.21/1.00 (D-E:1),
WB=0.21/1.00 (B-D:1), SS=0.20/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX	MIN	MAX	MIN
MT20	618	354	1667
	788	1887	1655

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.72 (A) (INPUT = 0.60)
JSI METAL = 0.18 (D) (INPUT = 1.00)

CONTINUED ON PAGE 2



Structural component only
DWG# T-20071831/2

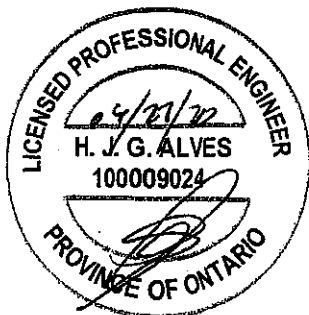
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408170	T55	1	2	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
F	BMV1+p	MT20	3.0	6.0	



Structural component only
DWG# T-2007183

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408170	T56	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Sat Apr 25 13:02:33 2020 Page 2			
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		TRUSS DESC.			

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
F	BMV1-p	MT20	3.0	6.0	

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



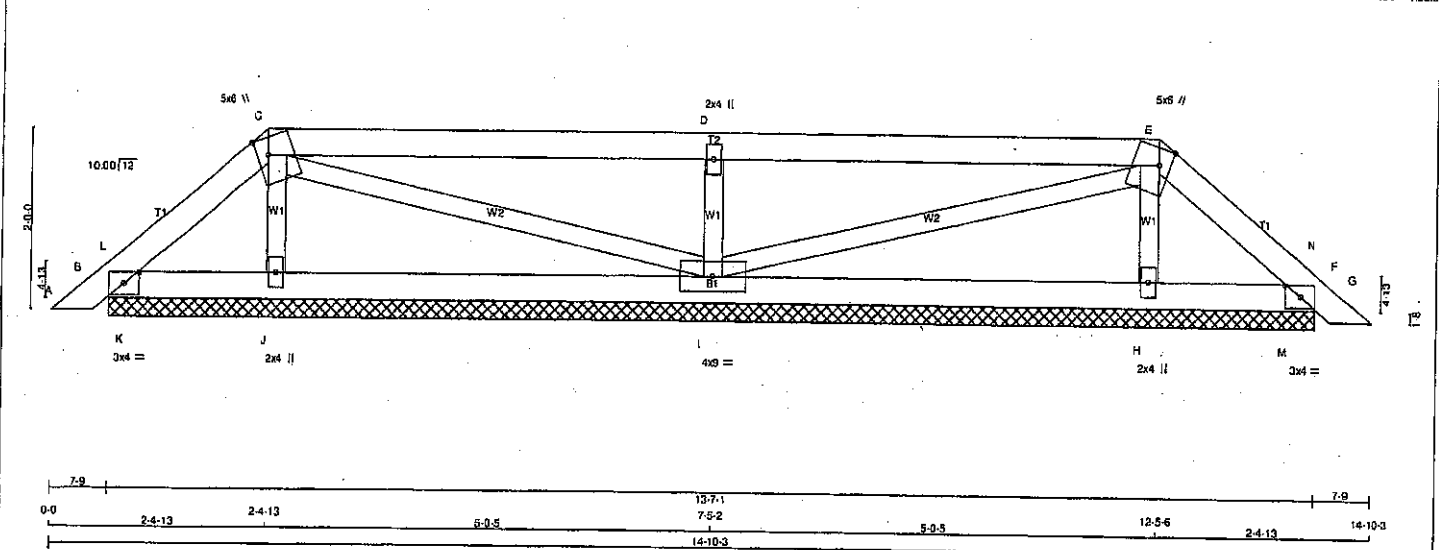
Structural component only
DWG# T-2007184 3/2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408168	PB1	3	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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Scale = 1/22.3



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

PLATES (table is in inches)						
JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0	1.50	2.00
C	TTWW+m	MT20	5.0	6.0	2.25	1.50
D	TMW+w	MT20	2.0	4.0		
E	TTWW+m	MT20	5.0	6.0	2.25	1.50
F	TMB1-I	MT20	3.0	4.0	1.50	2.00
H	BMW1+w	MT20	2.0	4.0		
I	BMWW1-I	MT20	4.0	9.0		
J	BMW1+w	MT20	2.0	4.0		

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

BEARINGS		FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	HORZ	IN-SX	IN-SX
B	169	0	169	0	13-7-1
F	169	0	169	0	13-7-1
J	288	0	288	0	13-7-1
I	683	0	683	0	13-7-1
H	288	0	288	0	13-7-1

UNFACTORED REACTIONS						
JT	1ST CASE	MAX/MIN	COMPONENT REACTIONS	PERM	LIVE	WIND
B	116	93/0	0/0	0/0	0/0	23/0
F	116	93/0	0/0	0/0	0/0	23/0
J	207	118/0	0/0	0/0	0/0	89/0
I	481	327/0	0/0	0/0	0/0	154/0
H	207	118/0	0/0	0/0	0/0	89/0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0 / 14	-91.8 -91.8	0.02 (1)	10.00	J-C	-194 / 0	0.03 (1)
B-L	-31 / 4	-91.8 -91.8	0.01 (1)	6.25	C-I	-22 / 0	0.01 (1)
L-C	-80 / 0	-91.8 -91.8	0.03 (1)	8.25	I-D	-576 / 0	0.08 (1)
C-D	-3 / 0	-91.8 -91.8	0.39 (1)	10.00	D-E	-22 / 0	0.01 (1)
D-E	-3 / 0	-91.8 -91.8	0.39 (1)	10.00	H-E	-194 / 0	0.03 (1)
E-N	-60 / 0	-91.8 -91.8	0.93 (1)	6.25	K-L	-121 / 0	0.00 (1)
N-F	-31 / 4	-91.8 -91.8	0.01 (1)	6.25	M-N	-121 / 0	0.00 (1)
F-G	0 / 14	-91.8 -91.8	0.02 (1)	10.00			
B-K	0 / 42	-18.5 -18.5	0.04 (1)	10.00			
K-J	0 / 42	-18.5 -18.5	0.07 (4)	10.00			
J-I	0 / 29	-18.5 -18.5	0.10 (4)	10.00			
I-H	0 / 29	-18.5 -18.5	0.10 (4)	10.00			
H-M	0 / 42	-18.5 -18.5	0.07 (4)	10.00			
M-F	0 / 42	-18.5 -18.5	0.04 (1)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

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

CSI: TC=0.39/1.00 (C-D:1), BC=0.10/1.00 (H-I:4), WB=0.08/1.00 (D-E:1), SS=0.22/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

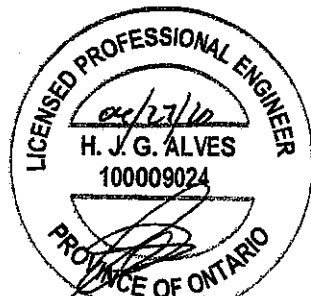
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PS) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

JSI METAL = 0.12 (D) (INPUT = 1.00)

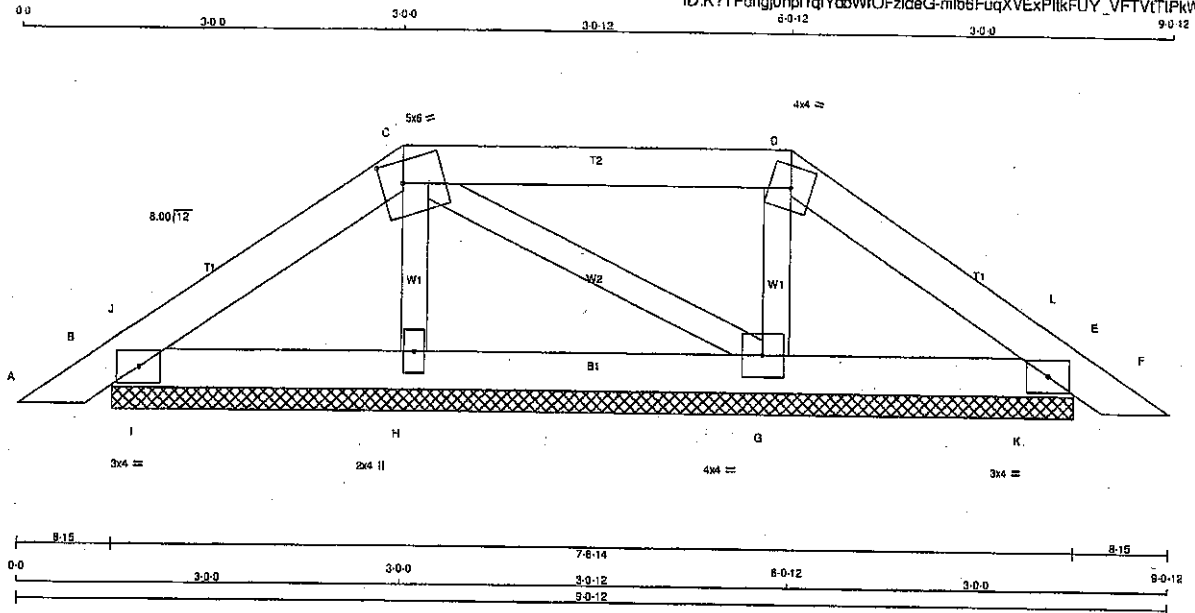


Structural component only
DWG# T-2007128

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408169	PB20	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:K?TPdngj0npl1qjYdbWlOFzldaG-mib6FuqXVEpIikFUY_VFTVITIPKW7jvF6AJozNBDH



Scale = 1/16"

LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - C 2x4 DRY

C - D 2x4 DRY

D - E 2x4 DRY

E - F 2x4 DRY

F - G 2x4 DRY

G - H 2x4 DRY

H - I 2x4 DRY

I - J 2x4 DRY

J - K 2x4 DRY

K - L 2x4 DRY

L - M 2x4 DRY

M - N 2x4 DRY

N - O 2x4 DRY

O - P 2x4 DRY

P - Q 2x4 DRY

Q - R 2x4 DRY

R - S 2x4 DRY

S - T 2x4 DRY

T - U 2x4 DRY

U - V 2x4 DRY

V - W 2x4 DRY

W - X 2x4 DRY

X - Y 2x4 DRY

Y - Z 2x4 DRY

Z - AA 2x4 DRY

AA - AB 2x4 DRY

AB - AC 2x4 DRY

AC - AD 2x4 DRY

AD - AE 2x4 DRY

AE - AF 2x4 DRY

AF - AG 2x4 DRY

AG - AH 2x4 DRY

AH - AI 2x4 DRY

AI - AJ 2x4 DRY

AJ - AK 2x4 DRY

AK - AL 2x4 DRY

AL - AM 2x4 DRY

AM - AN 2x4 DRY

AN - AO 2x4 DRY

AO - AP 2x4 DRY

AP - AQ 2x4 DRY

AQ - AR 2x4 DRY

AR - AS 2x4 DRY

AS - AT 2x4 DRY

AT - AU 2x4 DRY

AU - AV 2x4 DRY

AV - AW 2x4 DRY

AW - AX 2x4 DRY

AX - AY 2x4 DRY

AY - AZ 2x4 DRY

AZ - BA 2x4 DRY

BA - BB 2x4 DRY

BB - BC 2x4 DRY

BC - BD 2x4 DRY

BD - BE 2x4 DRY

BE - BF 2x4 DRY

BF - BG 2x4 DRY

BG - BH 2x4 DRY

BH - BI 2x4 DRY

BI - BJ 2x4 DRY

BJ - BK 2x4 DRY

BK - BL 2x4 DRY

BL - BM 2x4 DRY

BM - BN 2x4 DRY

PLATES (tablets in inches)

JT TYPE PLATES

B TMB1-I MT20 3.0 4.0

C TTWW-m MT20 5.0 6.0 2.00 2.00

D TTWW-m MT20 4.0 4.0

E TMB1-I MT20 3.0 4.0

G BMWW1-I MT20 4.0 4.0

H BMWW1-w MT20 2.0 4.0

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
B	221	0	221	0
E	209	0	209	0
H	248	0	248	0
G	280	0	280	0

UNFACTORED REACTIONS

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

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORZ. LOAD (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORZ. LOAD (LBS)
FR-TO				FR-TO			
A-B	0 / 15	-91.8	-91.8 0.03 (1)	H-C	-176 / 0	0.03 (1)	0.00 (1)
B-J	-63 / 0	-91.8	-91.8 0.01 (1)	C-G	-21 / 0	0.00 (1)	0.00 (1)
J-C	-74 / 0	-91.8	-91.8 0.05 (1)	G-D	-198 / 0	0.03 (1)	0.00 (1)
C-D	-30 / 0	-91.8	-91.8 0.15 (1)	D-I	-121 / 0	0.00 (1)	0.00 (1)
D-L	-54 / 0	-91.8	-91.8 0.05 (1)	K-L	-123 / 0	0.00 (1)	0.00 (1)
L-E	-41 / 0	-91.8	-91.8 0.01 (1)				
E-F	0 / 15	-91.8	-91.8 0.03 (1)				
B-I	0 / 60	-18.5	-18.5 0.06 (1)				
I-H	0 / 60	-18.5	-18.5 0.06 (1)				
H-G	0 / 48	-18.5	-18.5 0.03 (1)				
G-K	0 / 43	-18.5	-18.5 0.05 (1)				
K-E	0 / 43	-18.5	-18.5 0.06 (1)				

TOTAL WEIGHT = 3 X 25 = 75 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

CSI: TC=0.15/1.00 (C-D:1), BC=0.08/1.00 (B-I:1), WB=0.03/1.00 (D-G:1), SSI=0.11/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

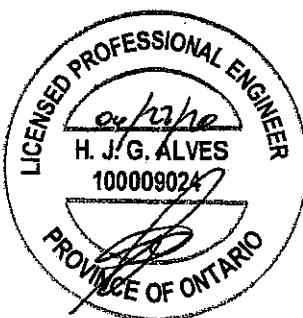
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
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= 0.04 (B) (INPUT = 1.00)



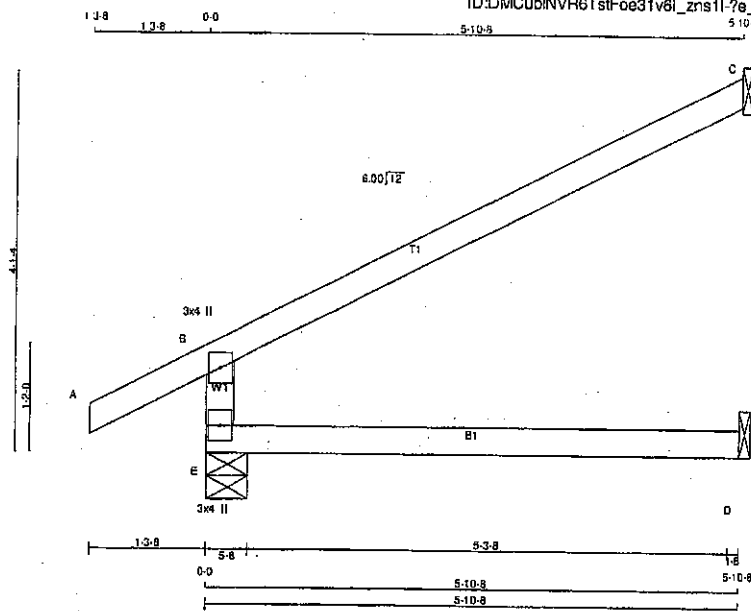
Structural component only
DWG# T-2007144

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408168	J1	19	1	GREEN PARK HOMES	

Tamarack Root Truss, Burlington

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Scale = 1/22.5



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

DRY: SEASONED LUMBER.

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

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

BEARINGS	FACTORED	GROSS REACTION	MAXIMUM FACTORED	INPUT	REQD
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
E	525	0	525	0	5-8
C	202	0	202	0	1-8
D	45	0	50	0	1-8

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

UNFACTORED REACTIONS	1ST LCASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	COMBINED							
E	369	257 / 0	0 / 0	0 / 0	0 / 0	111 / 0	0 / 0	0 / 0
C	139	113 / 0	0 / 0	0 / 0	0 / 0	26 / 0	0 / 0	0 / 0
D	36	0 / 0	0 / 0	0 / 0	0 / 0	36 / 0	0 / 0	0 / 0

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

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)	LCI (PLF)	MAX. CSI (LC)	MEMB. MAX. FACTORED FORCE (LBS)
FR-TO		FROM TO		UNBRAC LENGTH	FR-TO
E-B	-461 / 0	0.0	0.0	0.13 (4)	7.81
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00
B-C	-30 / 0	-91.8	-91.8	0.54 (1)	8.25
E-D	0 / 0	-18.5	-18.5	0.13 (4)	10.00

TOTAL WEIGHT = 19 X 17 = 319 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 = 38.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 089-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

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

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

CS: TC=0.54/1.00 (B-C:1), BC=0.13/1.00 (D-E:4), WB=0.00/1.00 (n/a:0), SS=0.24/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 I.S BEND=1.10
COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

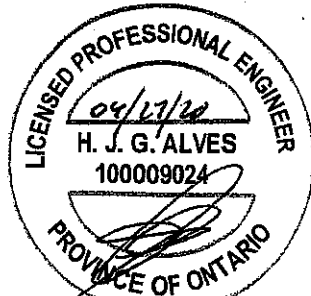
NAIL VALUES	PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	
MAX MIN	MAX MIN	MAX MIN	
MT20	818	354	1667 798 1987 1668

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)

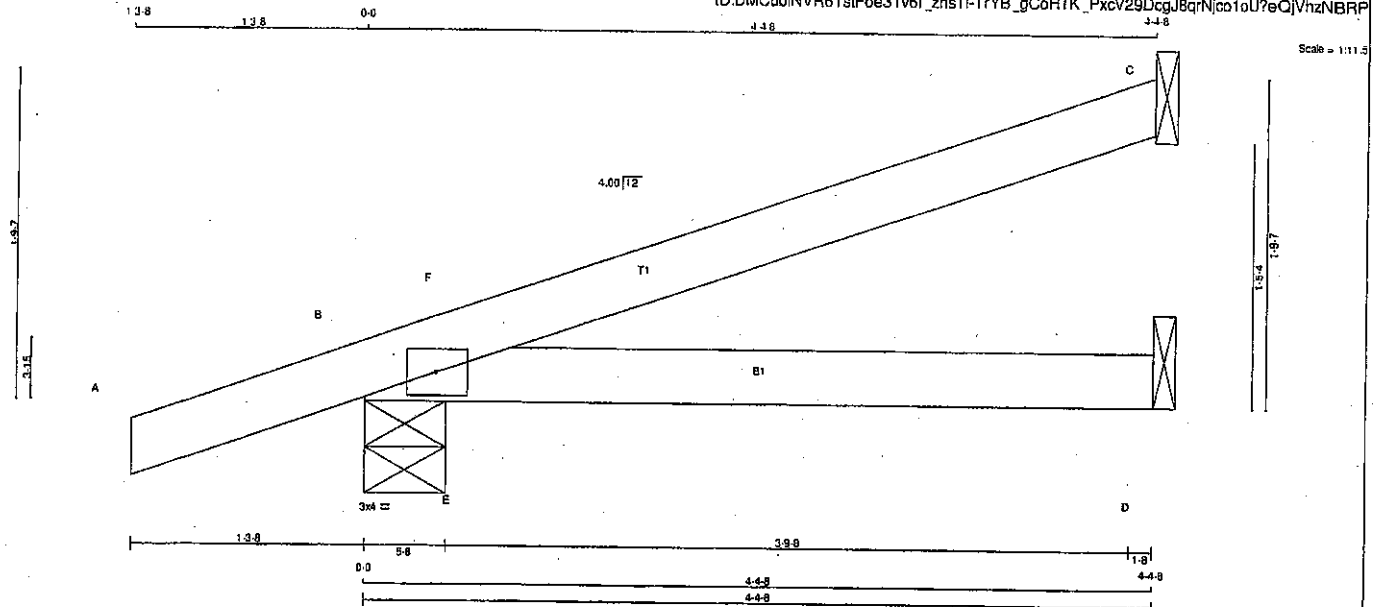


Structural component only
DWG# T-2007126

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408168	J2	8	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:DMCubINVR6TstFoe31v6l_zns11-TrYB_gCoHTK_PxcV29DcgJ8qrNco1oU?eQjVhzNBRP



TOTAL WEIGHT = 8 X 12 = 95 lb (M)

LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - C 2x4 DRY No.2

B - D 2x4 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

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ
C	174	0	174	0
B	364	0	364	0
D	68	0	68	0

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX/MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
	COMBINED							
C	120	93/0	0/0	0/0	0/0	27/0	0/0	0/0
B	255	180/0	0/0	0/0	0/0	75/0	0/0	0/0
D	50	19/0	0/0	0/0	0/0	32/0	0/0	0/0

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH	WEBS	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH
FR-TO							
A-B	0/18	-91.8	-91.8 0.11 (1)	10.00	E-F	-194/7	0.00 (1)
B-F	-14/0	-91.8	-91.8 0.05 (4)	8.25			
F-C	0/2	-91.8	-91.8 0.22 (1)	10.00			
B-E	0/0	-18.5	-18.5 0.17 (1)	10.00			
E-D	0/0	-18.5	-18.5 0.17 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.5 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 (2018 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) = $L/999$ (0.05")

CSR: TC=0.22/1.00 (C-F:1), BC=0.17/1.00 (D-E:1),

WB=0.00/1.00 (E-F:1), SS=0.16/1.00 (B-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

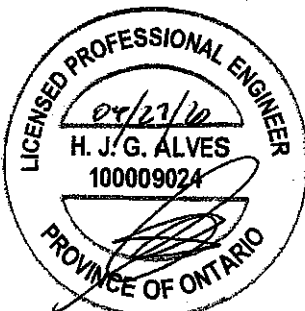
MT20 618 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.24 (B) (INPUT = 0.90)

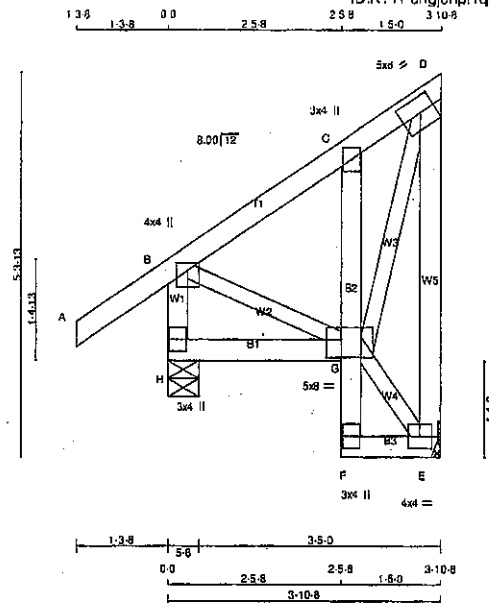
JSI METAL = 0.07 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007127

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408169	U20S	3	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					

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ID:K7TPdHg0npi1qiYdbWfOfZdeG-I21k2YpvpkxY7f92wrSGIGzlsv3mg3ZgbMdnLzNBDI



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

TOTAL WEIGHT = 3 X 29 = 87 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMW+p	MT20	4.0	4.0	1.25	2.00
C	TMW+p	MT20	3.0	4.0		
D	TMW+p	MT20	5.0	8.0	2.50	2.50
E	BMW+1	MT20	4.0	4.0		
F	BMW+p	MT20	3.0	4.0		
G	BMW+WW-1	MT20	5.0	8.0	3.00	2.50
H	BMV+1	MT20	3.0	4.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	RECORD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
H	332	0	332	0
E	206	0	206	0

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

UNFACTORED REACTIONS

1ST CASE	MAX / MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
H	232	166 / 0	0 / 0	0 / 0	0 / 0	66 / 0	0 / 0
E	145	95 / 0	0 / 0	0 / 0	0 / 0	50 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX.	MEMB.	FACTORED	MAX.
MEMB.	FORCE	VERT. (PLF)	CS1 (LC)	UNBRAC	LENGTH	FR-TO	MEMB.	FORCE	CS1 (LC)
H-B	-367 / 0	0.0	0.0	0.03 (1)	7.81	B-G	0 / 83	0.02 (1)	
A-B	0 / 35	-91.8	-91.8	0.14 (5)	10.00	E-D	-184 / 0	0.05 (1)	
B-C	-83 / 0	-91.8	-91.8	0.07 (1)	6.25	G-E	-14 / 0	0.00 (1)	
C-D	-100 / 0	-91.8	-91.8	0.06 (1)	6.25	G-D	0 / 220	0.05 (1)	
H-G	0 / 0	-18.5	-18.5	0.04 (4)	10.00				
F-G	0 / 12	0.0	0.0	0.02 (1)	10.00				
G-C	-218 / 0	0.0	0.0	0.02 (1)	7.81				
F-E	0 / 9	-18.5	-18.5	0.01 (4)	10.00				

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

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

SPACING = 24.0 IN. CG

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

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

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

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

CSI: TC=0.14/1.00 (A-B-5), BC=0.04/1.00 (G-H-4), WB=0.05/1.00 (D-E-1), SSI=0.09/1.00 (A-B-5)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

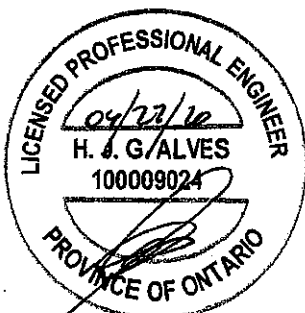
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1665

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.21 (B) (INPUT = 0.90)
JSI METAL = 0.07 (C) (INPUT = 1.00)



Structural component only
DWG# T-2007143

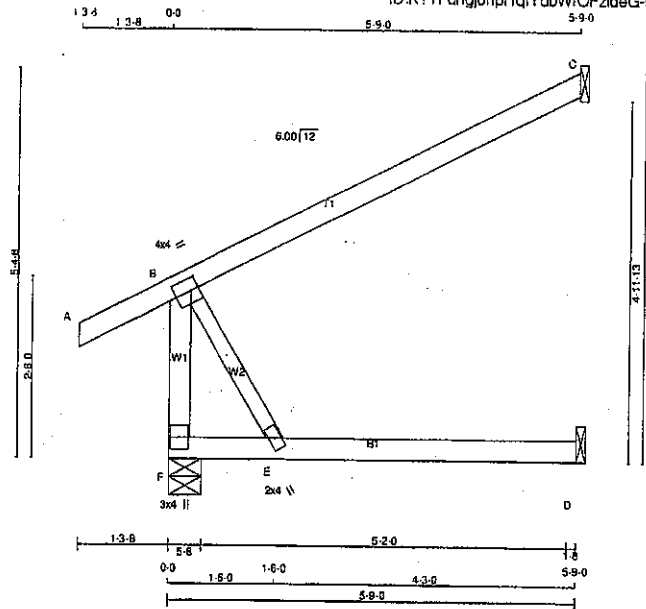
JOB NAME 408170	TRUSS NAME J40	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

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ID:K?TPdngj0npi1qYdbWfOFzideG-9GFyHsAniRCtMWkqhYYGUjuVsSPHGLQM61Q2zNB1c

Scale = 1/25.2



LUMBER

N.L.G.A. RULES

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

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

DESCR.
SPF
SPF
SPF

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
F	441	0	441	0	5-8	5-8
C	264	0	264	0	1-8	1-8
D	63	0	60	0	1-8	1-8

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

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	MAX./MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	310	217 / 0	0 / 0	0 / 0	0 / 0	93 / 0	0 / 0
C	182	147 / 0	0 / 0	0 / 0	0 / 0	35 / 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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS						WEBS					
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX LC1	MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)			
FR-TO		FROM TO				FR-TO					
F-B	-388 / 0	0.0	0.0	0.05 (1)	7.81	B-E	0 / 0	0.00 (1)			
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00						
B-C	0 / 0	-91.8	-91.8	0.52 (1)	10.00						
F-E	0 / 0	-18.5	-18.5	0.14 (4)	10.00						
E-D	0 / 0	-18.5	-18.5	0.18 (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. OC

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.00")
ALLOWABLE DEFL.(TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.05")

CSI: TC=0.52/1.00 (B-C:1), BC=0.18/1.00 (D-E:4), WB=0.00/1.00 (B-E:1), SS=0.18/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

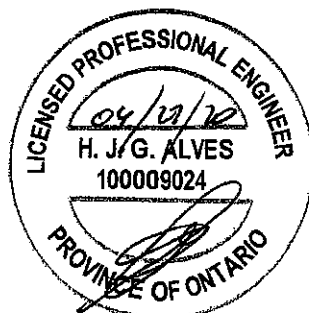
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.24 (B) (INPUT = 0.80)
JSI METAL = 0.07 (B) (INPUT = 1.00)

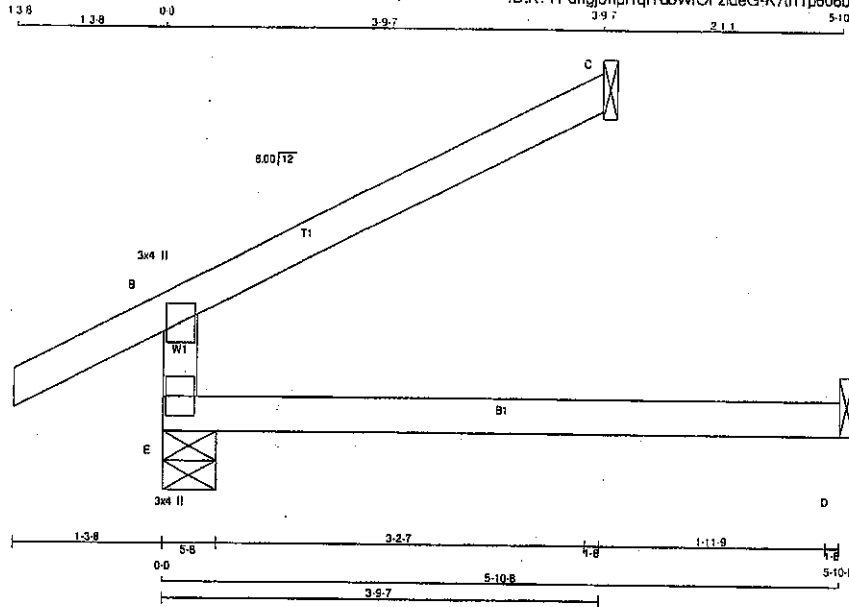


Structural component only
DWG# T-2007167

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408170	C40	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:17.9

TOTAL WEIGHT = 3 X 14 = 42 lb

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	HORZ	DOWN	HORZ
E	405	0	405	0
C	130	0	130	0
D	45	0	50	0

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

UNFACTORED REACTIONS

	1ST LCASE	MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	286	180 / 0	0 / 0	0 / 0	0 / 0	96 / 0	0 / 0
C	90	73 / 0	0 / 0	0 / 0	0 / 0	17 / 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, 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	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	LC2 MAX	UNBRACED LENGTH	FR-TO	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	LC2 MAX	UNBRACED LENGTH	FR-TO
E-B		-342 / 0	0.0	0.0	0.13 (4)	7.81									
A-B		0 / 28	-91.8	-91.8	0.12 (1)	10.00									
B-C		-19 / 0	-91.8	-91.8	0.22 (1)	6.25									
E-D		0 / 0	-18.5	-18.5	0.13 (4)	10.00									

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. O.C

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

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

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

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

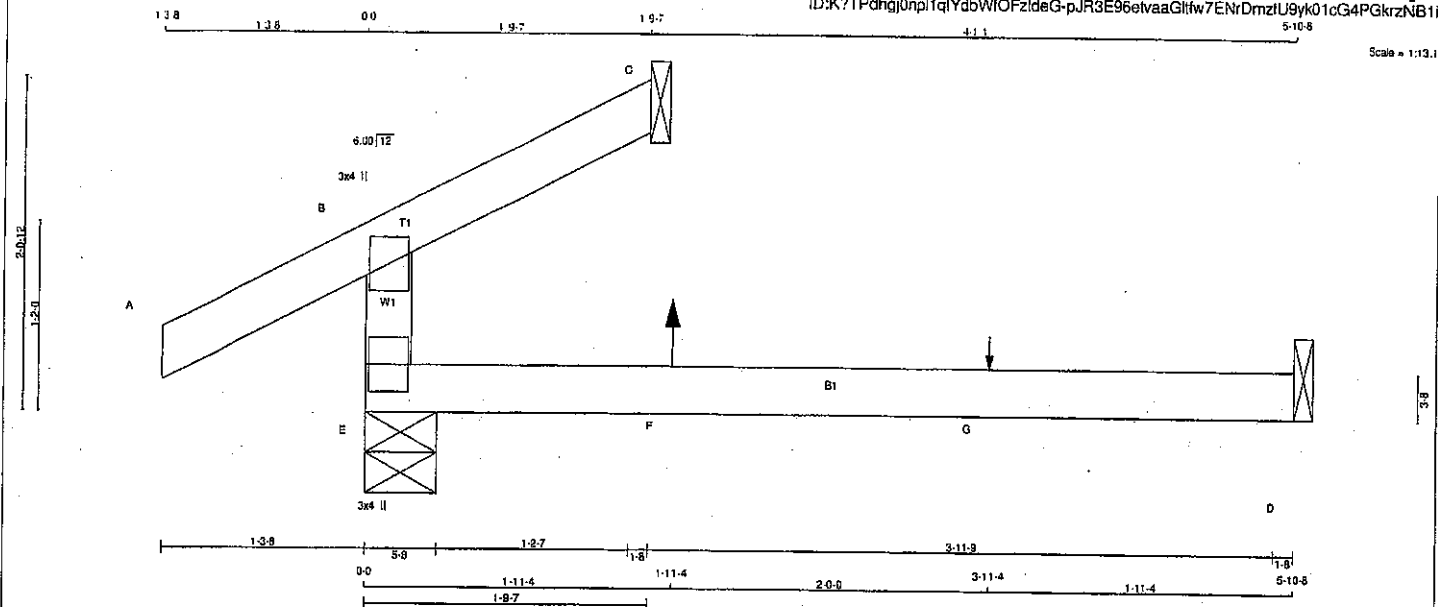


Structural component only
DWG# T-2007162

JOB NAME 408170	TRUSS NAME C41	QUANTITY 3	PLY 1	JOB DESC GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

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LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
E	284	284	5-8	5-8
C	63	63	1-8	1-8
D	44	52	1-8	1-8

SEE MITEK STANDARD DETAIL 887791H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	200	137/0	0/0	0/0	0/0	62/0	0/0
C	46	21/0	0/0	0/0	0/0	25/0	0/0
D	35	0/-3	0/0	0/0	0/0	37/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (7)

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

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
F	1-11.4	7	1	12	BACK	VERT	TOTAL		C1
G	3-11.4	1	1		BACK	VERT	TOTAL		C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 3 X 12 = 35 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 BCSC 2019, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

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

CSI: TC=0.12/1.00 (A-B:1), BC=0.14/1.00 (D-E:4),
WB=0.00/1.00 (N/A:0), SS=0.09/1.00 (A-B:1)

DOL LUMBER=0.88 NAIL=0.98 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

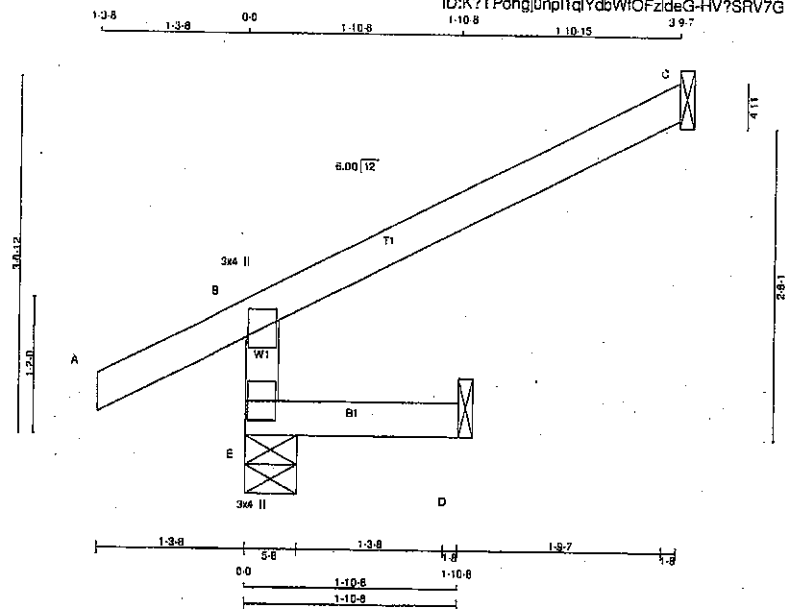


Structural component only
DWG# T-2007163

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408170	C42	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

BEARINGS

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

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

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	250	190 / 0	0 / 0	0 / 0	0 / 0	60 / 0	0 / 0
C	90	73 / 0	0 / 0	0 / 0	0 / 0	17 / 0	0 / 0
D	12	0 / 0	0 / 0	0 / 0	0 / 0	12 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	MAX. UNBRACED LENGTH	WEBS	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH
FR-TO							
E-B	-342 / 0	0.0	0.0	0.01 (4)	7.31		
A-B	0 / 28	-91.8	-91.8	0.13 (5)	10.00		
B-C	-19 / 0	-91.8	-91.8	0.22 (1)	6.25		
E-D	0 / 0	-18.5	-18.5	0.02 (4)	10.00		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 3 X 10 = 29 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

CSI: TC=0.22/1.00 (B-C:1), BC=0.02/1.00 (D-E:4),
WB=0.00/1.00 (n/a:0), SSI=0.15/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

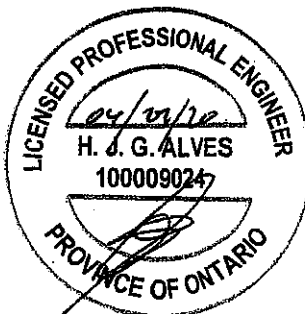
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

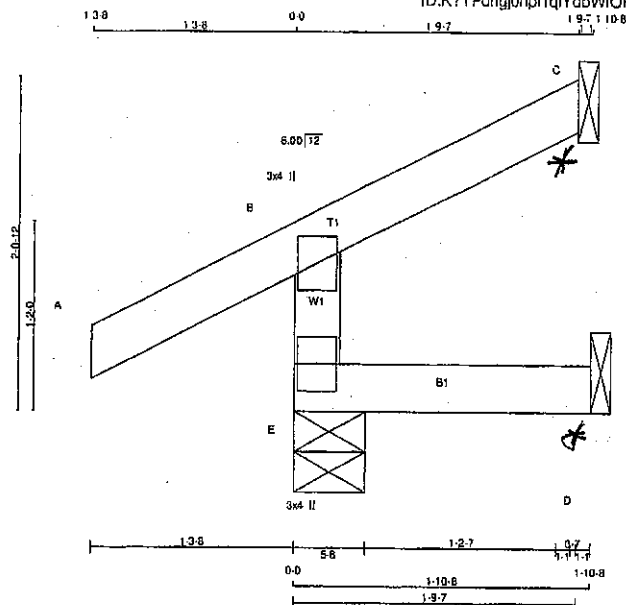
JSI GRIP= 0.14 (E) (INPUT = 0.90)
JSI METAL= 0.09 (B) (INPUT = 1.00)



Structural component only
DWG# T-2007164

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408170	C43	3	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					

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TOTAL WEIGHT = 3 X 7 = 21 lb

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG IN-SX	RECORD BRG IN-SX
E	271	271	0	5-8
C	45	45	-23	1-8
D	8	17	-2	1-8

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

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

UNFACTORED REACTIONS

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

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

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED HORIZ. LOAD (LC1)	MAX. CS1 (LC)	UNBRACED LENGTH	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
FR-TO									
E-B		-244 / 0	0.0	0.0	0.04 (5)	7.81			
A-B		0 / 28	-91.8	-91.8	0.12 (1)	10.03			
B-C		-17 / 0	-91.8	-91.8	0.09 (1)	8.25			
E-D		0 / 0	-18.5	-18.5	0.04 (5)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

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

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

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354 1667 799 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-2007165