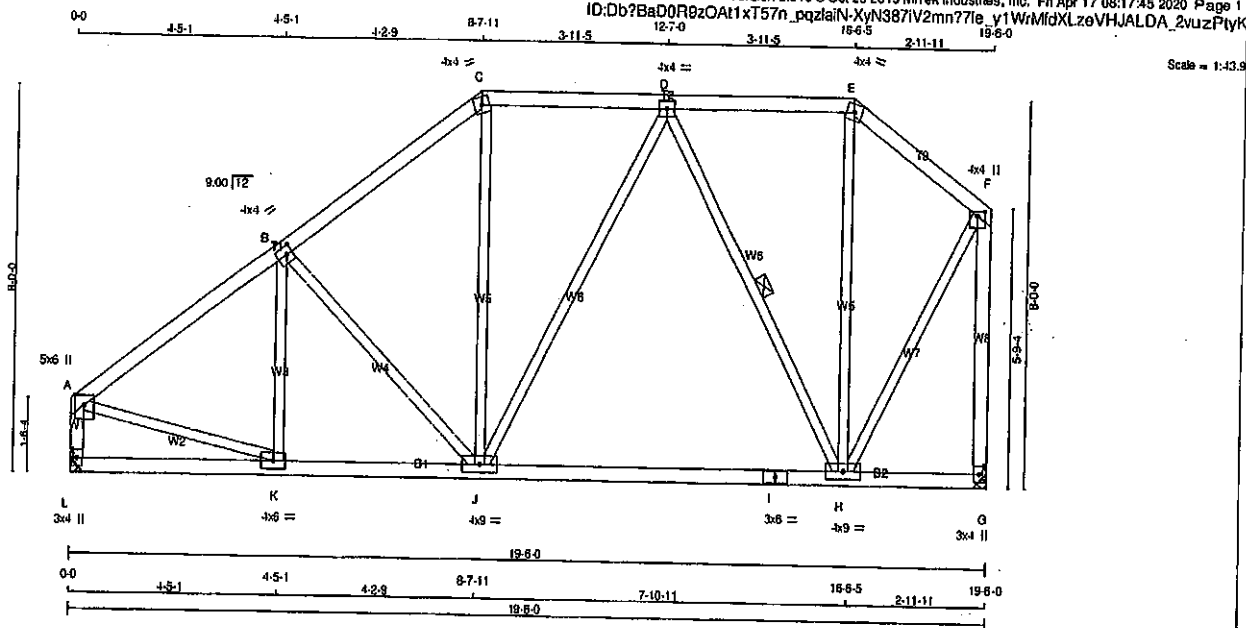


CONTINUED ON PAGE 2

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408187	T2	15	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
TRUSS DESC.					

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	5.0	6.0	Edge	
B	TMVW-I	MT20	4.0	4.0	2.00	1.50
C	TTW-m	MT20	4.0	4.0		
D	TMVW-I	MT20	4.0	4.0		
E	TTW-m	MT20	4.0	4.0		
F	TMVW+p	MT20	4.0	4.0	1.00	2.00
G	BMVW+p	MT20	3.0	4.0		
H	BMVW-I	MT20	4.0	9.0		
I	BS-I	MT20	3.0	6.0		
J	BMVW-I	MT20	4.0	9.0		
K	BMVW-I	MT20	4.0	6.0		
L	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

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	HORZ	DOWN	HORZ
L	1075	0	1075	0
G	1075	0	1075	0

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
L	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
L	760	499	0	0	0	0
G	760	499	0	0	0	0

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.67 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-H.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED UNBRACED LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
A-B	-1052	-91.8	0.23 (1)	5.87	K-B	-162	0.06 (1)
B-C	-879	-91.8	0.23 (1)	6.25	B-J	-268	0.18 (1)
C-D	-682	-91.8	0.18 (1)	8.25	J-C	0/226	0.05 (1)
D-E	-369	-91.8	0.18 (1)	8.25	J-D	0/102	0.03 (4)
E-F	-463	-91.8	0.11 (1)	8.25	D-H	-598	0.30 (1)
L-A	-1038	0.0	0.0 (1)	7.71	H-E	0/50	0.02 (4)
G-F	-1070	0.0	0.0 (1)	7.82	A-K	0/895	0.20 (1)
					H-F	0/751	0.17 (1)
L-K	0	-18.5	-18.5 0.08 (4)	10.00			
K-J	0	-18.5	-18.5 0.24 (4)	10.00			
J-I	0	-18.5	-18.5 0.23 (4)	10.00			
I-H	0	-18.5	-18.5 0.23 (4)	10.00			
H-G	0	-18.5	-18.5 0.18 (4)	10.00			

TOTAL WEIGHT = 15 X 98 = 1487 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.65")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.65")
CALCULATED VERT. DEFL.(TL) = L/999 (0.09")

CSK TC=0.71/1.00 (F-G-1), BC=0.24/1.00 (J-K-4), WB=0.30/1.00 (D-H-1), SS=0.17/1.00 (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.

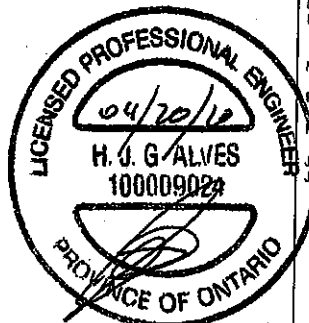
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 Inches

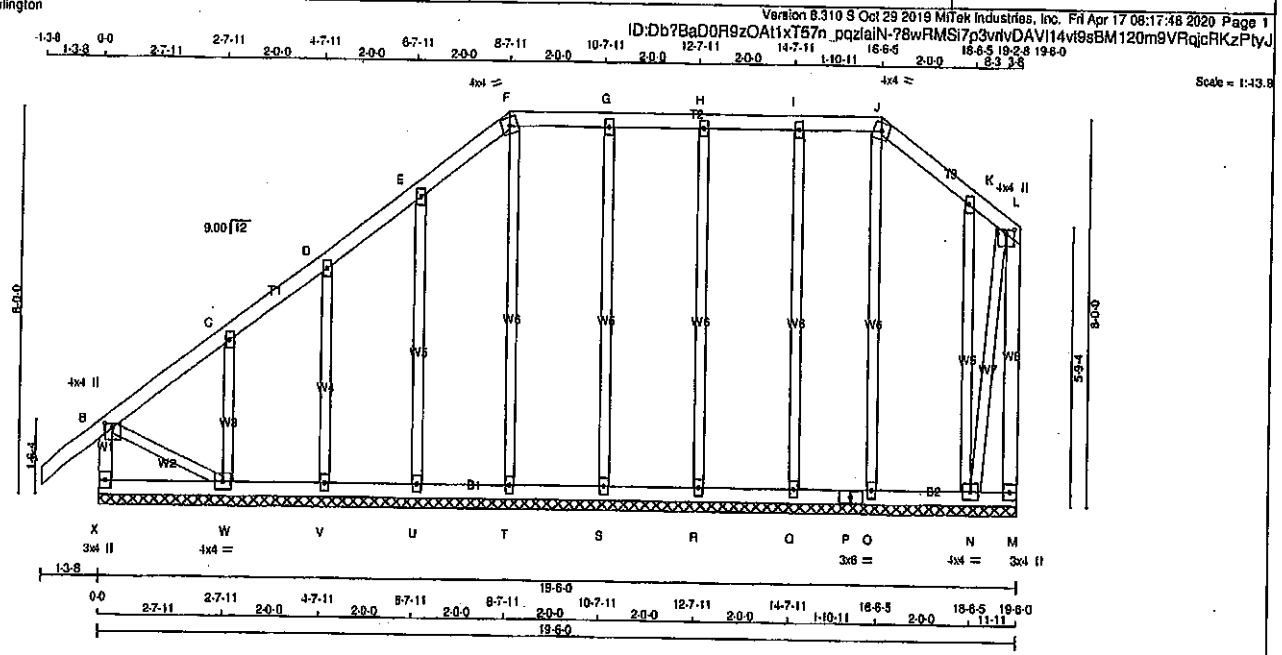
PLATE ROTATION TOL. = 5.0 Deg.

JNT GRIP=0.85 (H) (INPUT = 0.90)
JNT METAL=0.41 (A) (INPUT = 1.00)



Structural component only
DWG# T-2006425

JOB NAME 408187	TRUSS NAME T2G	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
X - B	2x4	DRY No.2	SPF
A - F	2x4	DRY No.2	SPF
F - J	2x4	DRY No.2	SPF
J - L	2x4	DRY No.2	SPF
M - L	2x4	DRY No.2	SPF
X - P	2x4	DRY No.2	SPF
P - M	2x4	DRY No.2	SPF

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

GABLE STUDS SPACED AT 2'-0" OC.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMW+p	MT20	4.0	4.0	1.00	2.00
C, D, E, G, H, I, K					
C TMW+w	MT20	2.0	4.0		
F TTW-m	MT20	4.0	4.0		
F TTW-m	MT20	4.0	4.0		
L TMW+p	MT20	4.0	4.0	1.00	2.00
M BMV+p	MT20	3.0	4.0		
N BMW+1	MT20	4.0	4.0		
O, Q, R, S, T, U, V					
O BMW+1	MT20	2.0	4.0		
P BS+1	MT20	3.0	8.0		
W BMW+1	MT20	4.0	4.0		
X BMV+1	MT20	3.0	4.0		

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED (LC1) (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED (LC1) (LBS)
FR-TO					FR-TO		
X-B	-247.0	0.0	0.03 (1)	7.81	T-F	-147.0	0.18 (1)
A-B	0/38	-91.8	-91.8 0.12 (1)	10.00	O-J	-139.0	0.17 (1)
B-C	-8.0	-91.8	-91.8 0.08 (1)	10.00	B-W	0/19	0.00 (1)
C-D	-24.0	-91.8	-91.8 0.08 (1)	8.25	W-C	-249.0	0.05 (1)
D-E	-5.0	-91.8	-91.8 0.05 (1)	10.00	V-D	-158.0	0.00 (1)
E-F	-17.0	-91.8	-91.8 0.05 (1)	6.25	U-E	-207.0	0.15 (1)
F-G	-3.0	-91.8	-91.8 0.05 (1)	10.00	N-K	-178.0	0.13 (1)
G-H	-3.0	-91.8	-91.8 0.05 (1)	10.00	N-L	0/9	0.00 (1)
H-I	-3.0	-91.8	-91.8 0.04 (1)	10.00	S-G	-211.0	0.26 (1)
I-J	-3.0	-91.8	-91.8 0.04 (1)	10.00	R-H	-178.0	0.22 (1)
J-K	-14.0	-91.8	-91.8 0.05 (1)	8.25	Q-I	-192.0	0.23 (1)
K-L	0/14	-91.8	-91.8 0.04 (1)	10.00			
M-L	-30.0	0.0	0.02 (1)	7.81			
X-W	0/0	-18.5	-18.5 0.03 (4)	10.00			
W-V	0/11	-18.5	-18.5 0.03 (4)	10.00			
V-U	0/8	-18.5	-18.5 0.02 (4)	10.00			
U-T	0/5	-18.5	-18.5 0.02 (4)	10.00			
T-S	0/3	-18.5	-18.5 0.01 (4)	10.00			
S-R	0/3	-18.5	-18.5 0.01 (4)	10.00			
R-Q	0/3	-18.5	-18.5 0.02 (4)	10.00			
Q-P	0/3	-18.5	-18.5 0.02 (4)	10.00			
P-O	0/3	-18.5	-18.5 0.01 (4)	10.00			
O-N	0/5	-18.5	-18.5 0.01 (4)	10.00			
N-M	0/0	-18.5	-18.5 0.01 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. OC

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2010, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

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

CSI: TC=0.12/1.00 (A-B:1), BC=0.03/1.00 (V-W:4), WB=0.28/1.00 (G-S:1), SS=0.09/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

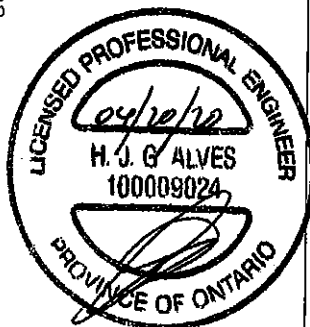
PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PL)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1667 788

PLATE PLACEMENT TOL. = 0.250 inches

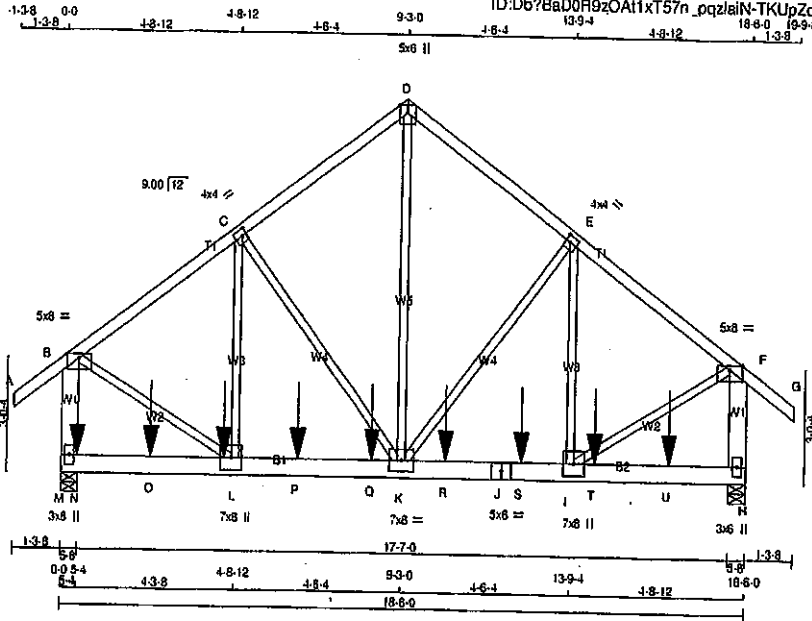
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.62 (J) (INPUT = 0.90)
JSI METAL = 0.13 (C) (INPUT = 1.00)

Structural component only
DWG# T-2006426



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408187	T3	1	2	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF	
D - G	2x4	DRY	No.2	SPF	
M - B	2x6	DRY	No.2	SPF	
H - F	2x6	DRY	No.2	SPF	
M - J	2x6	DRY	No.2	SPF	
J - H	2x6	DRY	No.2	SPF	

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-D 1 12		TOP
D-G 1 12		TOP
M-B 2 12		SIDE(154.8)
H-F 2 12		TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
M-J 2 12		SIDE(183.1)
J-H 2 12		SIDE(0.0)
WEBS : (0.122"x3") SPIRAL NAILS		
C-L 1 8		SIDE(92.5)
2x3 1 8		

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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
B TMVW-p	MT20	5.0	8.0	Edge	
C TMVW-i	MT20	4.0	4.0	2.00	1.50
D TTW-p	MT20	5.0	8.0	Edge	
E TMVW-i	MT20	4.0	4.0	2.00	1.50
F TMVW-p	MT20	5.0	8.0	Edge	
H BMV1+p	MT20	3.0	6.0		
I BMVW-i	MT20	7.0	8.0		
J BS-i	MT20	5.0	6.0		
K BMVW-i	MT20	7.0	8.0		
L BMVW-i	MT20	7.0	8.0		
M BMV1+p	MT20	3.0	6.0		

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

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	DOWN	UP	DOWN
M	8306	0	8306	0
H	5500	0	5500	0

UNFACTORED REACTIONS	1ST CASE	MAX./MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
M	4449	2978
H	3880	2600

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.33 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)
FR-TO									
A-B	0.38								
B-C	-4684.0								
C-D	-3719.0								
D-E	-3719.0								
E-F	-4430.0								
F-G	0.38								
M-B	-4977.0								
H-F	-4941.0								
M-N	0.0								
N-O	0.0								
O-L	0.0								
L-P	0.3591								
P-Q	0.3591								
Q-K	0.3591								
K-R	0.3584								
R-J	0.3584								
J-S	0.3584								
S-I	0.3584								
I-Y	0.0								
T-U	0.0								
U-H	0.0								

FACTORED CONCENTRATED LOADS (LBS)	LOC.	LC1	MAX.	FACE	DIR
L	4-5-4	-1056	-1056	---	FRONT VERT
N	5-4	-1062	-1062	---	FRONT VERT
O	2-5-4	-1056	-1056	---	FRONT VERT
P	6-5-4	-1056	-1056	---	FRONT VERT
Q	8-5-4	-1056	-1056	---	FRONT VERT
R	10-5-4	-1056	-1056	---	FRONT VERT
S	12-5-4	-1056	-1056	---	FRONT VERT
T	14-5-4	-1056	-1056	---	FRONT VERT
U	16-5-4	-1056	-1056	---	FRONT VERT

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 2 X 109 = 218 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 NBC 2010, OBC 2012, ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/380 (0.62")
CALCULATED VERT. DEFL.(LL) = L/999 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.82")
CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TC=0.27/1.00 (B-C:1), BC=0.63/1.00 (K-K:1), WB=0.62/1.00 (C-K:1), SSI=0.54/1.00 (H-I:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HELLS OFF

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

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

PLATE PLACEMENT TOL = 0.250 inches

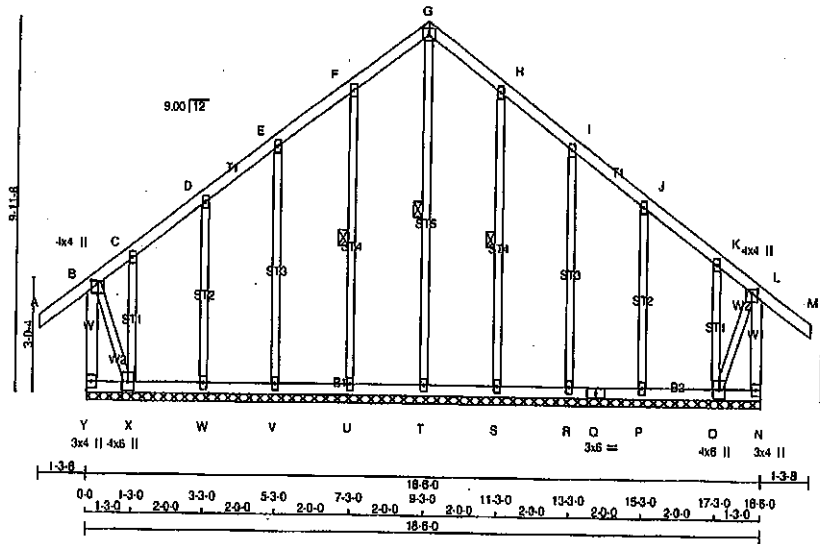
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.84 (K) (INPUT = 0.90)
JSI METAL = 0.57 (J) (INPUT = 1.00)

Structural component only
DWG# T-2006427

JOB NAME 408187	TRUSS NAME T4G	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:Db7BaD0R9zOAt1xT57n_pq2laiN-xX2Bn8kNLh9Z_CNZdA3Y_IFCgAImUIGov8CWCzPhyH
1-3-8 0-0 1-3-0 3-3-0 2-0-0 5-3-0 2-0-0 7-3-0 2-0-0 9-3-0 2-0-0 11-3-0 13-3-0 15-3-0 17-3-0 18-6-0 19-9-8
1-3-8 1-3-0 2-0-0 3-3-0 2-0-0 5-3-0 2-0-0 7-3-0 2-0-0 9-3-0 2-0-0 11-3-0 13-3-0 15-3-0 17-3-0 18-6-0 19-9-8
4x4 = 2-0-0 2-0-0 2-0-0 1-3-0 1-3-8
Scale = 1:56.6



LUMBER			
N. L. & A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - G	2x4 DRY	No.2	SPF
G - M	2x4 DRY	No.2	SPF
Y - B	2x4 DRY	No.2	SPF
N - L	2x4 DRY	No.2	SPF
Y - Q	2x4 DRY	No.2	SPF
Q - N	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 in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	4.0	1.00 2.00
C, D, E, F, H, I, J, K					
C	TMVW+w	MT20	2.0	4.0	
G	ITW+p	MT20	4.0	4.0	2.25 2.00
L	TMVW+p	MT20	4.0	4.0	1.00 2.00
N	BMV1+p	MT20	3.0	4.0	
O	BMVW1+L	MT20	4.0	8.0	
P, R, S, T, U, V, W					
P	BMV1+w	MT20	2.0	4.0	
Q	BS+L	MT20	3.0	8.0	
X	BMVW1+L	MT20	4.0	8.0	
Y	BMV1+p	MT20	3.0	4.0	

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 = 6.25 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 G-T, F-U, H-S.

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)	MAX. UNBRACED LENGTH (FT)	MAX. UNBRACED LENGTH (FT)
FR-TO				FR-TO			
A-B	0:38	-91.8	-91.8 0.12 (1)	10.00	T-G	-171:0	0.11 (1)
B-C	-37:0	-91.8	-91.8 0.12 (1)	6.25	U-F	-210:0	0.10 (1)
C-D	0:11	-91.8	-91.8 0.05 (1)	10.00	V-E	-174:0	0.14 (1)
D-E	0:7	-91.8	-91.8 0.05 (1)	10.00	W-D	-195:0	0.09 (1)
E-F	0:14	-91.8	-91.8 0.05 (1)	10.00	X-C	-68:0	0.02 (1)
F-G	0:3	-91.8	-91.8 0.05 (1)	10.00	S-H	-210:0	0.10 (1)
G-H	0:3	-91.8	-91.8 0.05 (1)	10.00	R-I	-174:0	0.14 (1)
H-I	0:14	-91.8	-91.8 0.05 (1)	10.00	P-J	-195:0	0.09 (1)
I-J	0:7	-91.8	-91.8 0.05 (1)	10.00	O-K	-68:0	0.02 (1)
J-K	0:11	-91.8	-91.8 0.05 (1)	10.00	B-X	-4:0	0.00 (1)
K-L	-37:0	-91.8	-91.8 0.12 (1)	6.25	O-L	-4:0	0.00 (1)
L-M	0:38	-91.8	-91.8 0.12 (1)	10.00			
Y-B	-240:0	0.0	0.0 0.04 (1)	7.81			
N-L	-240:0	0.0	0.0 0.04 (1)	7.81			
Y-X	0:0	-18.5	-18.5 0.01 (4)	10.00			
X-W	3:0	-18.5	-18.5 0.02 (4)	10.00			
W-V	-7:0	-18.5	-18.5 0.02 (4)	10.00			
V-U	-9:0	-18.5	-18.5 0.01 (4)	10.00			
U-T	-11:0	-18.5	-18.5 0.01 (4)	6.25			
T-S	-11:0	-18.5	-18.5 0.01 (4)	6.25			
S-R	-9:0	-18.5	-18.5 0.01 (4)	10.00			
R-Q	-7:0	-18.5	-18.5 0.01 (4)	10.00			
Q-P	-7:0	-18.5	-18.5 0.02 (4)	10.00			
P-O	-3:0	-18.5	-18.5 0.02 (4)	10.00			
O-N	0:0	-18.5	-18.5 0.01 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24" IN/C

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

THIS DESIGN COMPLIES WITH:

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

- PART 9 OF CBC 2012 (2019 AMENDMENT)

- CSA 086-08, CSA 086-14

- TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

CSI: TC=0.12/1.00 (L-M:1), BC=0.02/1.00 (P-R:4), WB=0.14/1.00 (I-R:1), SSI=0.08/1.00 (L-M: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

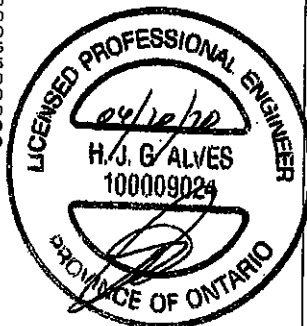
PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	818 354 1887 788 1987 1656	

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

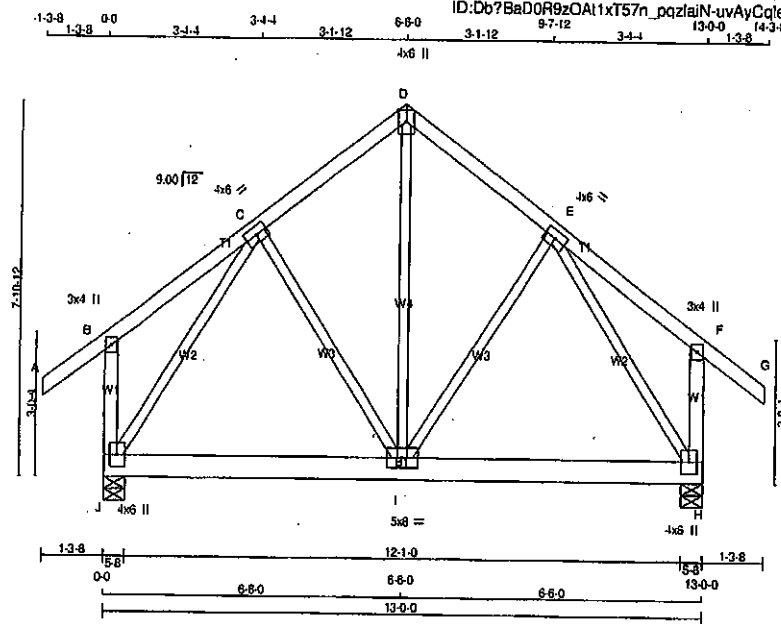
JSI GRIP= 0.49 (L) (INPUT = 0.90)

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



Structural component only
DWG# T-2006428

JOB NAME 408187	TRUSS NAME T5	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



TOTAL WEIGHT = 3 X 75 = 225 lb

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

ALL WEBS 2x3 DRY No.2

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMWW-t	MT20	4.0	8.0		
D	TTW+p	MT20	4.0	8.0	Edge	
E	TMWW-t	MT20	4.0	8.0		
F	TMV+p	MT20	3.0	4.0		
H	BMVW1+p	MT20	4.0	8.0		
I	BMVWW-t	MT20	5.0	8.0		
J	BMVW1+p	MT20	4.0	8.0		

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

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	GROSS REACTION	GROSS REACTION	DOWN	BRG	BRG
JT	VERT	HORZ	DOWN	UPLIFT	IN-SX
J	1493	0	1493	0	5-8
H	1493	0	1493	0	5-8

UNFACTORED REACTIONS		1ST LOSE	MAX-MIN. COMPONENT REACTIONS				
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	1114	403.0	0.0	0.0	0.0	711.0	0.0
H	1114	403.0	0.0	0.0	0.0	711.0	0.0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS			FACTORED				WEBBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (LBS)	LC1	MAX IPLT	MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)	
FR-TO		FROM	TO				FR-TO			
A-B	0.38	-91.8	-91.8	0.16 (1)	10.00	I-D	0.775	0.27 (4)		
B-C	0.19	-91.8	-91.8	0.16 (1)	10.00	I-E	0.207	0.06 (4)		
C-D	-858.0	-91.8	-91.8	0.19 (1)	6.25	C-I	0.207	0.06 (4)		
D-E	-858.0	-91.8	-91.8	0.19 (1)	6.25	J-C	-1134.0	0.70 (1)		
E-F	0.19	-91.8	-91.8	0.16 (1)	10.00	E-H	-1134.0	0.70 (1)		
F-G	0.38	-91.8	-91.8	0.16 (1)	10.00					
J-B	-245.0	0.0	0.0	0.04 (1)	7.81					
H-F	-245.0	0.0	0.0	0.04 (1)	7.81					
J-I	0.616	-118.5	-118.5	0.84 (4)	10.00					
I-H	0.616	-118.5	-118.5	0.84 (4)	10.00					

DESIGN CRITERIA

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

SPECIFIED LOADS:
TOP CH. LL = 25.6 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 25.0 PSF

SPACING = 24 IN. C/C

*** 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 2016

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

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

ALLOWABLE DEFL. (LL) = L/360 (0.43")
CALCULATED VERT. DEFL. (LL) = L/999 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.43")
CALCULATED VERT. DEFL. (TL) = L/999 (0.07")

CSI: TC=0.19/1.00 (C-D-1), BC=0.84/1.00 (I-J-4), WB=0.70/1.00 (I-J-1), SSI=0.55/1.00 (I-J-4)

DOL LUMBER=0.88 NAIL=0.88 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
(PSB) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

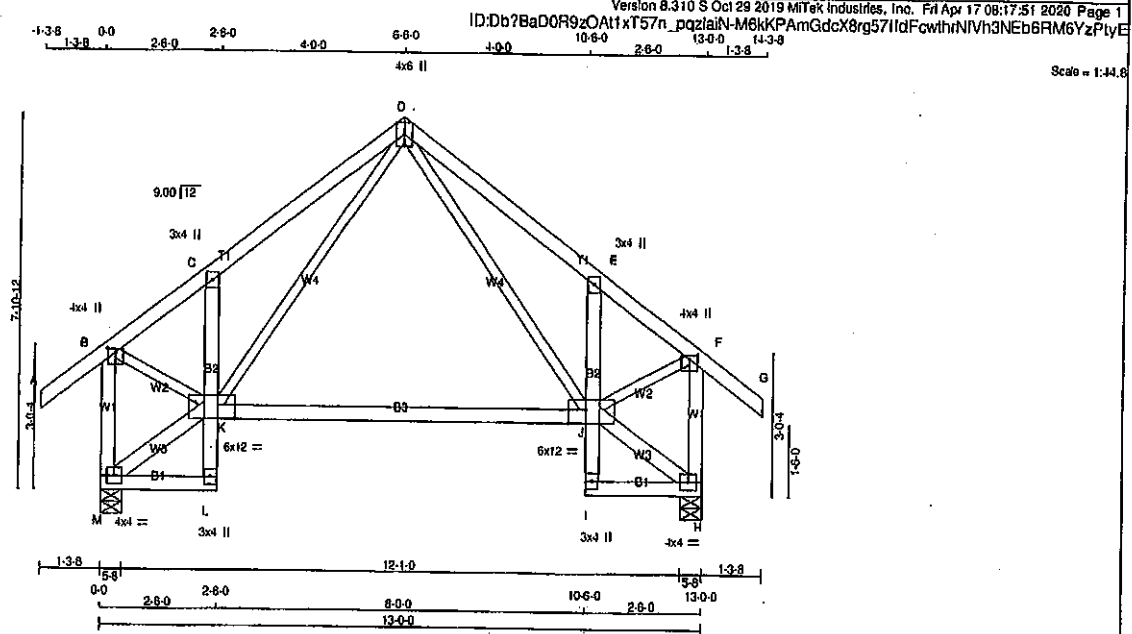
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.76 (E) (INPUT = 0.90)
JSI METAL = 0.32 (H) (INPUT = 1.00)

Structural component only
DWG# T-2006429



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408187	T5S	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	JT TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
C	TMV+p	MT20	3.0	4.0		
D	TTWW+p	MT20	4.0	8.0	Edge	
E	TMV+p	MT20	3.0	4.0		
F	TMVW+p	MT20	4.0	4.0	1.00	2.00
H	BMVW1-I	MT20	4.0	4.0		
I	BMV+p	MT20	3.0	4.0		
J	BVMWW1-I	MT20	6.0	12.0	Edge	4.50
K	BVMWW1-I	MT20	6.0	12.0	Edge	4.50
L	BMV+p	MT20	3.0	4.0		
M	BMVW1-I	MT20	4.0	4.0		

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

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	IN-SX	IN-SX
M	843	0	5-8	5-8
H	843	0	5-8	5-8

UNFACTORED REACTIONS	1ST LCASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	COMBINED							
M	594	403.7	0.0	0.0	0.0	0.0	191.0	0.0
H	594	403.0	0.0	0.0	0.0	0.0	191.0	0.0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 FT. OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	VERT. LOAD	LC1	MAX	MAX.	UNBRAC	WEBS	MAX. FACTORED	MAX	CS1 (LC)
MEMB.	FORCE (LBS)	VERT. (PLF)	CS1 (LC)	UNBRAC	MEMB.	FORCE (LBS)	MAX (LC)				
FR-TO		FROM	TO	LENGTH	FR-TO						
A-B	0.738	-91.8	-91.8	0.12 (1)	10.00	D-J	0.288	0.06 (1)			
B-C	-608.0	-91.8	-91.8	0.15 (1)	6.25	K-D	0.288	0.08 (1)			
C-D	-655.0	-91.8	-91.8	0.19 (1)	6.25	M-K	-8.0	9.00 (1)			
D-E	-655.0	-91.8	-91.8	0.19 (1)	6.25	B-K	0.578	0.13 (1)			
E-F	-608.0	-91.8	-91.8	0.15 (1)	6.25	J-H	-8.0	9.00 (1)			
F-G	0.38	-91.8	-91.8	0.12 (1)	10.00	J-F	0.578	0.13 (1)			
M-B	-817.0	0.0	0.0	0.13 (1)	7.81						
H-F	-817.0	0.0	0.0	0.13 (1)	7.81						
M-L	0.7	-18.5	-18.5	0.03 (4)	10.00						
L-K	0.24	0.0	0.0	0.02 (1)	10.00						
K-C	-387.0	0.0	0.0	0.02 (1)	7.81						
K-J	0.358	-18.5	-18.5	0.40 (4)	10.00						
I-J	0.24	0.0	0.0	0.02 (1)	10.00						
J-E	-387.0	0.0	0.0	0.02 (1)	7.81						
I-H	0.7	-18.5	-18.5	0.03 (4)	10.00						

TOTAL WEIGHT = 2 X 74 = 147 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

(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 (0.43")
CALCULATED VERT. DEFL. (LL) = L/999 (0.01")
ALLOWABLE DEFL. (TL) = L/360 (0.43")
CALCULATED VERT. DEFL. (TL) = L/678 (0.23")

CSI: TC=0.19/1.00 (C-D:1), BC=0.40/1.00 (J-K:4), WB=0.13/1.00 (B-K: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

AUTOSOLVE HEELS OFF

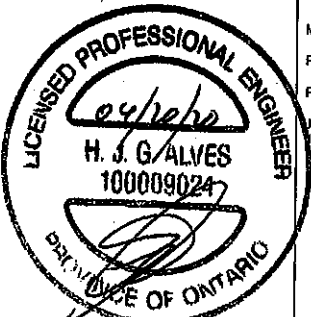
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

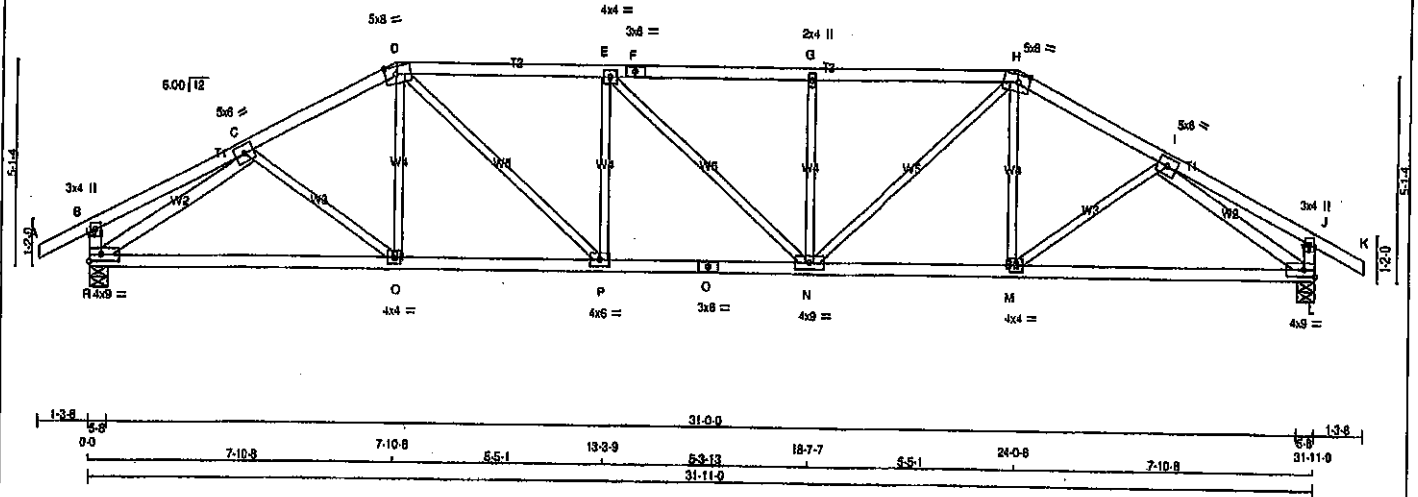
SI GRIP= 0.74 (B) (INPUT = 0.90)
SI METAL= 0.20 (F) (INPUT = 1.00)



Structural component only
DWG# T-2006430

[illegible]

JOB NAME 408130	TRUSS NAME T22	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Famarack Roof Truss, Burlington				Version 8.310 8 Oct 2019 MTEK Industries, Inc. Wed Apr 16 16:45:46 2020 Page 1	
ID:1ebEM4Ce92xn84Zv7kFPizmBR3-0VWMw7N2usK7lgJolQztrncd6_VghHXTywKlzcQCh1				19-7-7 5-5-1 24-0-8 31-11-9 33-2-8	
1-3-8 0-0 4-0-8 4-0-8 3-10-0 7-10-8 5-5-1 13-3-9 5-3-13 19-7-7 5-5-1 24-0-8 31-11-9 33-2-8				Scale = 1:52.8	



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

DRY: SEASONED LUMBER.

PLATES (table in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0	
C	TMWW-i	MT20	5.0	8.0	
D	TTWW-m	MT20	5.0	8.0	2.25 3.50
E	TMWW-i	MT20	4.0	4.0	
F	TS-i	MT20	3.0	6.0	
G	TMW+w	MT20	2.0	4.0	
H	TTWW-m	MT20	5.0	8.0	2.25 3.50
I	TMWW-i	MT20	5.0	8.0	
J	TMV+p	MT20	3.0	4.0	
L	BMVW1-i	MT20	4.0	9.0	Edge
M	BMWW-i	MT20	4.0	4.0	
N	BMWWW-i	MT20	4.0	9.0	
O	BS-i	MT20	3.0	6.0	
P	BMWW-i	MT20	4.0	6.0	
Q	BMWW-i	MT20	4.0	4.0	
R	BMVW1-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		REQD	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	IN-SX
R	1884	0	0	1884	0	0	5-8	5-8	5-8
L	1884	0	0	1884	0	0	5-8	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN COMPONENT REACTIONS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	COMBINED	SNOW	LIVE	PERM	LIVE	WIND	DEAD	SOIL	BRG	IN-SX	IN-SX
R	1330	888 / 0	0 / 0	0 / 0	0 / 0	0 / 0	444 / 0	0 / 0	444 / 0	444 / 0	444 / 0
L	1330	888 / 0	0 / 0	0 / 0	0 / 0	0 / 0	444 / 0	0 / 0	444 / 0	444 / 0	444 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.61 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		MAXIMUM FACTORED		WEBS		FACTORED		MAXIMUM FACTORED	
MEMB.	FORCE (LBS)	VERT.	LC1 (PLF)	MAX	CS1 (LC)	MEMB.	FORCE (LBS)	VERT.	LC1 (PLF)	MAX	CS1 (LC)
FR-TO						FR-TO					
A-B	0 / 28	-91.8	-91.8	0.12 (1)	10.00	C-O	0 / 74	0.74	0.03 (4)	0.03 (4)	0.03 (4)
B-C	0 / 17	-91.8	-91.8	0.20 (1)	10.00	Q-D	0 / 133	0.133	0.04 (4)	0.04 (4)	0.04 (4)
C-D	-2489 / 0	-91.8	-91.8	0.30 (1)	4.12	D-P	0 / 933	0.933	0.21 (1)	0.21 (1)	0.21 (1)
D-E	-2891 / 0	-91.8	-91.8	0.54 (1)	3.61	P-E	-534 / 0	0.534	0.21 (1)	0.21 (1)	0.21 (1)
E-F	-2891 / 0	-91.8	-91.8	0.53 (1)	3.61	E-N	-2 / 0	0.00 (1)	0.00 (1)	0.00 (1)	0.00 (1)
F-G	-2891 / 0	-91.8	-91.8	0.53 (1)	3.61	N-G	-533 / 0	0.533	0.21 (1)	0.21 (1)	0.21 (1)
G-H	-2891 / 0	-91.8	-91.8	0.53 (1)	3.61	N-H	0 / 931	0.931	0.21 (1)	0.21 (1)	0.21 (1)
H-I	-2489 / 0	-91.8	-91.8	0.30 (1)	4.12	M-H	0 / 134	0.134	0.04 (4)	0.04 (4)	0.04 (4)
I-J	0 / 17	-91.8	-91.8	0.20 (1)	10.00	M-I	0 / 74	0.74	0.03 (4)	0.03 (4)	0.03 (4)
J-K	0 / 28	-91.8	-91.8	0.12 (1)	10.00	R-C	-2668 / 0	2.668	0.74 (1)	0.74 (1)	0.74 (1)
R-B	-269 / 0	0.0	0.0	0.03 (1)	7.81	I-L	-2667 / 0	2.667	0.74 (1)	0.74 (1)	0.74 (1)
L-J	-269 / 0	0.0	0.0	0.03 (1)	7.81						
R-Q	0 / 2167	-18.5	-18.5	0.49 (1)	10.00						
Q-P	0 / 2194	-18.5	-18.5	0.48 (1)	10.00						
P-O	0 / 2893	-18.5	-18.5	0.53 (1)	10.00						
O-N	0 / 2893	-18.5	-18.5	0.53 (1)	10.00						
N-M	0 / 2194	-18.5	-18.5	0.49 (1)	10.00						
M-L	0 / 2168	-18.5	-18.5	0.49 (1)	10.00						

TOTAL WEIGHT = 2 x 130 = 259 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. G/G

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, OBC 2012, ABC 2010
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (1.06")
CALCULATED VERT. DEFL.(LL) = L/999 (0.15")
ALLOWABLE DEFL.(TL) = L/360 (1.06")
CALCULATED VERT. DEFL.(TL) = L/999 (0.29")

CSI: TC=0.54/1.00 (D-E:1), SC=0.53/1.00 (N-P:1), WB=0.74/1.00 (I-L:1), SS=0.23/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

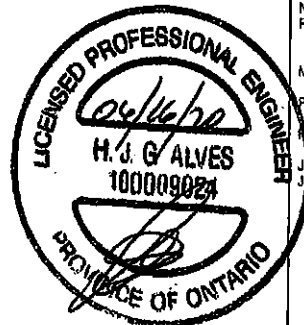
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PS) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 610 354 1667 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

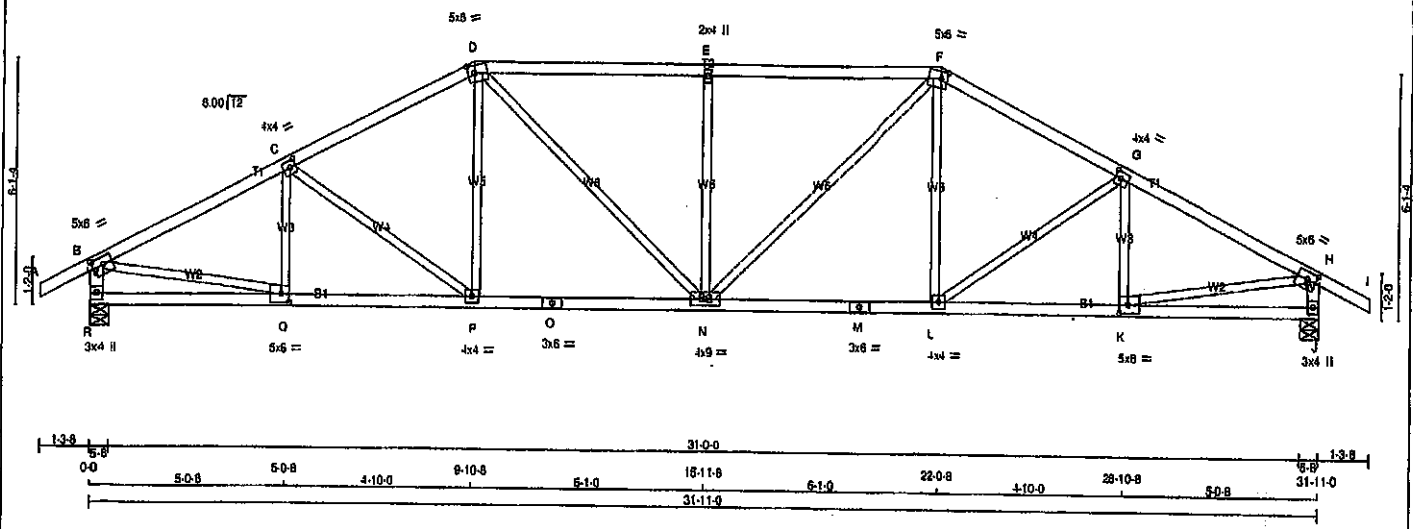
J I GRIP = 0.84 (O) (INPUT = 0.80)
J I METAL = 0.94 (O) (INPUT = 1.00)



Structural component only
DWG# T-2006317

JOB NAME 408130	TRUSS NAME T23	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 22-0-5 28-10-8 31-11-0 33-2-8
 Scale = 1:50.0



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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW-1	MT20	5.0	6.0	2.25 2.75
C	TMVW-1	MT20	4.0	4.0	2.00 1.75
D	TTWW-m	MT20	5.0	6.0	2.25 2.00
E	TMVW-w	MT20	2.0	4.0	
F	TTWW-m	MT20	5.0	6.0	2.25 2.00
G	TMVW-1	MT20	4.0	4.0	2.00 1.75
H	TMVW-1	MT20	5.0	6.0	2.25 2.75
J	BMV1-p	MT20	3.0	4.0	
K	BMVW-1	MT20	5.0	6.0	2.50 2.50
L	BMVW-1	MT20	4.0	4.0	
M	BS-1	MT20	3.0	6.0	
N	BMVWW-1	MT20	4.0	9.0	
O	BS-1	MT20	3.0	6.0	
P	BMVW-1	MT20	4.0	4.0	
Q	BMVW-1	MT20	5.0	6.0	2.50 2.50
R	BMV1-p	MT20	3.0	4.0	

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

BEARINGS					
FACTORED GROSS REACTION			MAXIMUM FACTORED GROSS REACTION		
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
R	1884	0	1884	0	0
J	1884	0	1884	0	0

UNFACTORED REACTIONS					
1ST LCASE		MAX/MIN COMPONENT REACTIONS			
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND
R	1330	888 / 0	0 / 0	0 / 0	0 / 0
J	1330	888 / 0	0 / 0	0 / 0	0 / 0

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

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.82 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING					
TOTAL LOAD CASES: (4)					
CHORDS			WEBS		
MEMB.	FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	MEMB.	FACTORED FORCE (LBS)	FACTORED MAX. (LC)
FR-TO		FROM TO	FR-TO		
A-B	0 / 28	-91.8 -91.8 0.12 (1)	Q-C	-301.0	0.07 (1)
B-C	-2538 / 0	-91.8 -91.8 0.37 (1)	C-P	-284.0	0.18 (1)
C-D	-2342 / 0	-91.8 -91.8 0.35 (1)	P-D	0 / 257	0.08 (1)
D-E	-2493 / 0	-91.8 -91.8 0.54 (1)	D-N	0 / 575	0.13 (1)
E-F	-2493 / 0	-91.8 -91.8 0.54 (1)	N-E	-685.0	0.40 (1)
F-G	-2342 / 0	-91.8 -91.8 0.35 (1)	N-F	0 / 575	0.13 (1)
G-H	-2538 / 0	-91.8 -91.8 0.37 (1)	F-F	0 / 257	0.08 (1)
H-I	0 / 28	-91.8 -91.8 0.12 (1)	L-G	-284.0	0.18 (1)
I-B	-1841 / 0	0.0 0.0 0.19 (1)	K-G	-301.0	0.07 (1)
J-H	-1841 / 0	0.0 0.0 0.19 (1)	B-Q	0 / 2323	0.32 (1)
R-Q	0 / 0	-18.5 -18.5 0.10 (4)	K-H	0 / 2323	0.52 (1)
Q-P	0 / 2290	-18.5 -18.5 0.43 (1)			
P-O	0 / 2077	-18.5 -18.5 0.40 (1)			
O-N	0 / 2077	-18.5 -18.5 0.40 (1)			
N-M	0 / 2077	-18.5 -18.5 0.40 (1)			
M-L	0 / 2077	-18.5 -18.5 0.40 (1)			
L-K	0 / 2290	-18.5 -18.5 0.43 (1)			
K-J	0 / 0	-18.5 -18.5 0.10 (4)			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

(55% OF 31.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.06")
 CALCULATED VERT. DEFL.(LL) = L/989 (0.13")
 ALLOWABLE DEFL.(TL) = L/360 (1.06")
 CALCULATED VERT. DEFL.(TL) = L/989 (0.24")

CSI: TC=0.54/1.00 (D-E:1), BC=0.43/1.00 (K-L:1), WB=0.52/1.00 (H-K:1), SSI=0.27/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

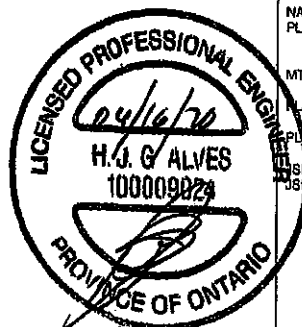
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
 PLATE GRIP(DRY) SHEAR SECTION
 (PSI) (PLI) (PLI)
 MAX MIN MAX MIN MAX MIN
 MT20 618 354 1897 788 1997 1858

PLATE PLACEMENT TOL = 0.250 inches

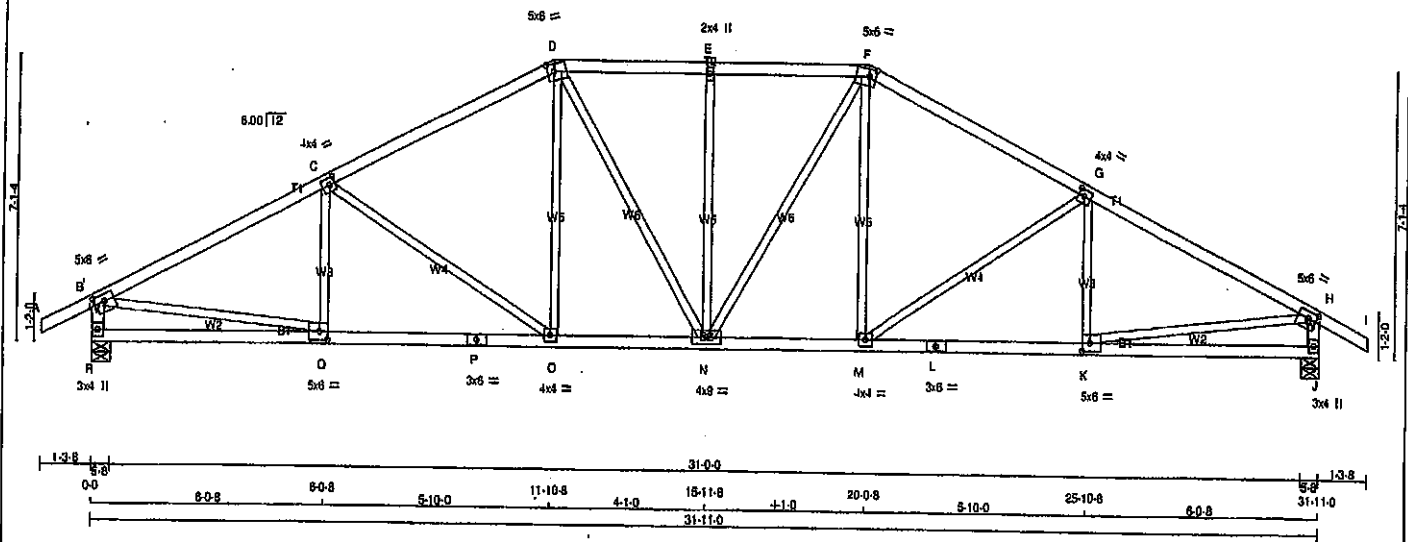
PLATE ROTATION TOL = 5.0 Deg.

SHEARIP = 0.80 (B) (INPUT = 0.80)
 JOINT METAL = 0.87 (B) (INPUT = 1.00)



JOB NAME 408130	TRUSS NAME T24	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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Scale = 1:32.8



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

PLATES (Table is in inches)				
JT TYPE	PLATES	W	LEN	Y X
B TMVW-I	MT20	5.0	8.0	2.00 2.75
C TMVW-I	MT20	4.0	4.0	2.00 1.75
D TTWW-m	MT20	5.0	8.0	2.25 2.00
E TMVW-w	MT20	2.0	4.0	
F TTWW-m	MT20	5.0	8.0	2.25 2.00
G TMVW-I	MT20	4.0	4.0	2.00 1.75
H TMVW-I	MT20	5.0	8.0	2.00 2.75
J BMV1+p	MT20	3.0	4.0	
K BMVW-I	MT20	5.0	8.0	2.50 2.50
L BS-I	MT20	3.0	8.0	
M BMVW-I	MT20	4.0	4.0	
N BMVW-I	MT20	4.0	9.0	
O BMVW-I	MT20	4.0	4.0	
P BS-I	MT20	3.0	8.0	
Q BMVW-I	MT20	5.0	8.0	2.50 2.50
R BMV1+p	MT20	3.0	4.0	

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS REACTION	HORZ	GROSS REACTION	HORZ	BRG	IN-SX	BRG	IN-SX
R	1884	0	1884	0	0	5-8	5-8	5-8	5-8
J	1884	0	1884	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS

JT	1ST CASE	MAX MIN	COMBINED	LIVE	PERM	LIVE	WIND	DEAD	SOIL
R	1330	888 / 0	0 / 0	0 / 0	0 / 0	444	0	0	0
J	1330	888 / 0	0 / 0	0 / 0	0 / 0	444	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 = 3.75 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)	UNBRAC
FR-TO		FROM	TO	FR-TO			
A-B	0 / 28	-91.8	-91.8 0.12 (1)	10.00	Q-C	-212 / 28	0.08 (1)
B-C	-2579 / 0	-91.8	-91.8 0.55 (1)	3.75	C-O	-480 / 0	0.48 (1)
C-D	-2188 / 0	-91.8	-91.8 0.49 (1)	4.11	O-D	0 / 362	0.08 (1)
D-E	-2088 / 0	-91.8	-91.8 0.24 (1)	4.49	D-N	0 / 296	0.07 (1)
E-F	-2088 / 0	-91.8	-91.8 0.24 (1)	4.49	N-E	-451 / 0	0.39 (1)
F-G	-2188 / 0	-91.8	-91.8 0.49 (1)	4.11	N-F	0 / 296	0.07 (1)
G-H	-2579 / 0	-91.8	-91.8 0.55 (1)	3.75	M-F	0 / 362	0.08 (1)
H-I	0 / 28	-91.8	-91.8 0.12 (1)	10.00	M-G	-480 / 0	0.48 (1)
I-B	-1836 / 0	0.0	0.0 0.19 (1)	6.18	K-G	-212 / 28	0.08 (1)
J-H	-1836 / 0	0.0	0.0 0.19 (1)	6.18	B-Q	0 / 2355	0.53 (1)
R-Q	0 / 0	-18.5	-18.5 0.15 (4)	10.00	K-H	0 / 2355	0.53 (1)
Q-P	0 / 2332	-18.5	-18.5 0.44 (1)	10.00			
P-O	0 / 2332	-18.5	-18.5 0.44 (1)	10.00			
O-N	0 / 1935	-18.5	-18.5 0.37 (1)	10.00			
N-M	0 / 1935	-18.5	-18.5 0.37 (1)	10.00			
M-L	0 / 2332	-18.5	-18.5 0.44 (1)	10.00			
L-K	0 / 2332	-18.5	-18.5 0.44 (1)	10.00			
K-J	0 / 0	-18.5	-18.5 0.15 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 25.0 PSF
DL = 8.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 39.0 PSF

BRACING = 24.0 PL/C/C

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

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

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

(55% OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.06")
CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
ALLOWABLE DEFL.(TL) = L/360 (1.06")
CALCULATED VERT. DEFL.(TL) = L/999 (0.21")

CSI: TC=0.55/1.00 (G-H-I), BC=0.44/1.00 (K-M-I),
WB=0.53/1.00 (H-K-I), SS=0.24/1.00 (G-H-I)

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

COMPANION LIVE LOAD FACTOR = 1.00

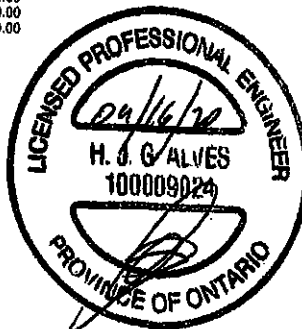
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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.

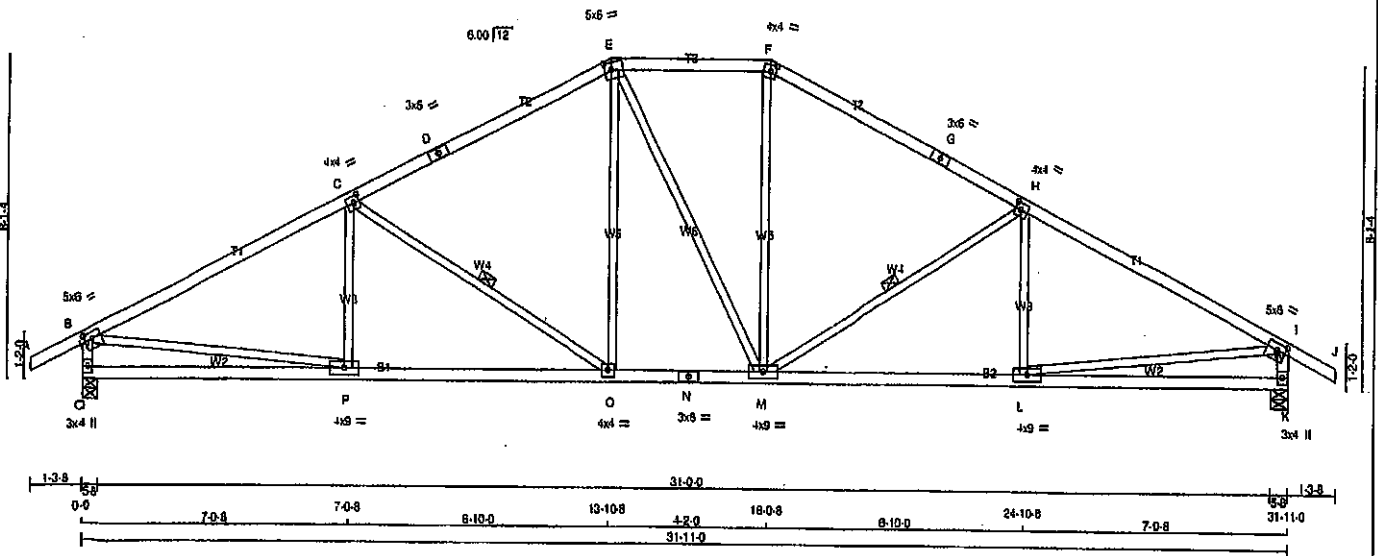
JSI GRIP = 0.88 (H) (INPUT = 0.90)
JSI METAL = 0.74 (P) (INPUT = 1.00)



Structural component only
DWG# T-2006319

JOB NAME 408130	TRUSS NAME T25	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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 Scale = 1:53.0



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

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-1	MT20	5.0	8.0	2.00	2.75
C	TMVW-1	MT20	4.0	4.0	2.00	1.75
D	TS-1	MT20	3.0	6.0		
E	TTWW-m	MT20	5.0	8.0	2.25	2.00
F	TTW-m	MT20	4.0	4.0	2.00	1.75
G	TS-1	MT20	3.0	6.0		
H	TMVW-1	MT20	4.0	4.0	2.00	1.75
I	TMVW-1	MT20	5.0	8.0	2.00	2.75
K	BMV1+p	MT20	3.0	4.0		
L	BMVW-1	MT20	4.0	9.0		
M	BMVW-1	MT20	4.0	9.0		
N	BS-1	MT20	3.0	8.0		
O	BMVW-1	MT20	4.0	4.0		
P	BMVW-1	MT20	4.0	9.0		
Q	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG IN-SX	REQD BRG IN-SX
JT	VERT	HORZ	DOWN	HORZ
Q	1884	0	1884	0
K	1884	0	1884	0

UNFACTORED REACTIONS

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

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

BRACING

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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC)	MAX. FACTORED VERT. LOAD (LC)
FR-TO		FROM TO	CS1 (LC)	FR-TO		FROM TO	CS1 (LC)
A-B	0/28	-91.8	-91.8 0.12 (1)	P-G	-140	71	0.05 (1)
B-C	-2587/0	-91.8	-91.8 0.78 (1)	C-O	-881	0	0.31 (1)
C-D	-2013/0	-91.8	-91.8 0.68 (1)	O-E	0/458	0.10 (1)	
D-E	-2013/0	-91.8	-91.8 0.68 (1)	E-M	0/2	0.00 (1)	
E-F	-1775/0	-91.8	-91.8 0.24 (1)	M-F	0/480	0.10 (1)	
F-G	-2013/0	-91.8	-91.8 0.68 (1)	M-H	-880	0	0.31 (1)
G-H	-2013/0	-91.8	-91.8 0.68 (1)	H-L	-142	70	0.05 (1)
H-I	-2587/0	-91.8	-91.8 0.78 (1)	L-P	0/2362	0.53 (1)	
I-J	0/28	-91.8	-91.8 0.12 (1)	P-L	0/2361	0.53 (1)	
Q-B	-1830/0	0.0	0.0 0.18 (1)				
K-I	-1830/0	0.0	0.0 0.18 (1)				
Q-P	0/0	-18.5	-18.5 0.22 (4)				
P-O	0/2344	-18.5	-18.5 0.48 (1)				
O-N	0/1774	-18.5	-18.5 0.35 (1)				
N-M	0/1774	-18.5	-18.5 0.35 (1)				
M-L	0/2344	-18.5	-18.5 0.48 (1)				
L-K	0/0	-18.5	-18.5 0.22 (4)				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/O

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF 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 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CS1: TC=0.78/1.00 (B-C:1), BC=0.48/1.00 (O-P:1), WB=0.53/1.00 (B-P:1), SS=0.28/1.00 (H-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

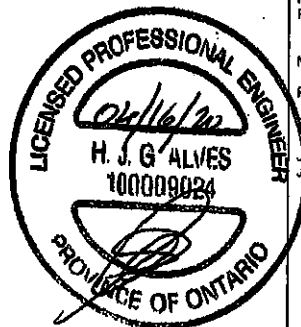
NAIL VALUES

PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PL)
MAX	MIN	MAX
MT20	818	354
	1867	788
	1887	1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



Structural component only
 DWG# T-2006320

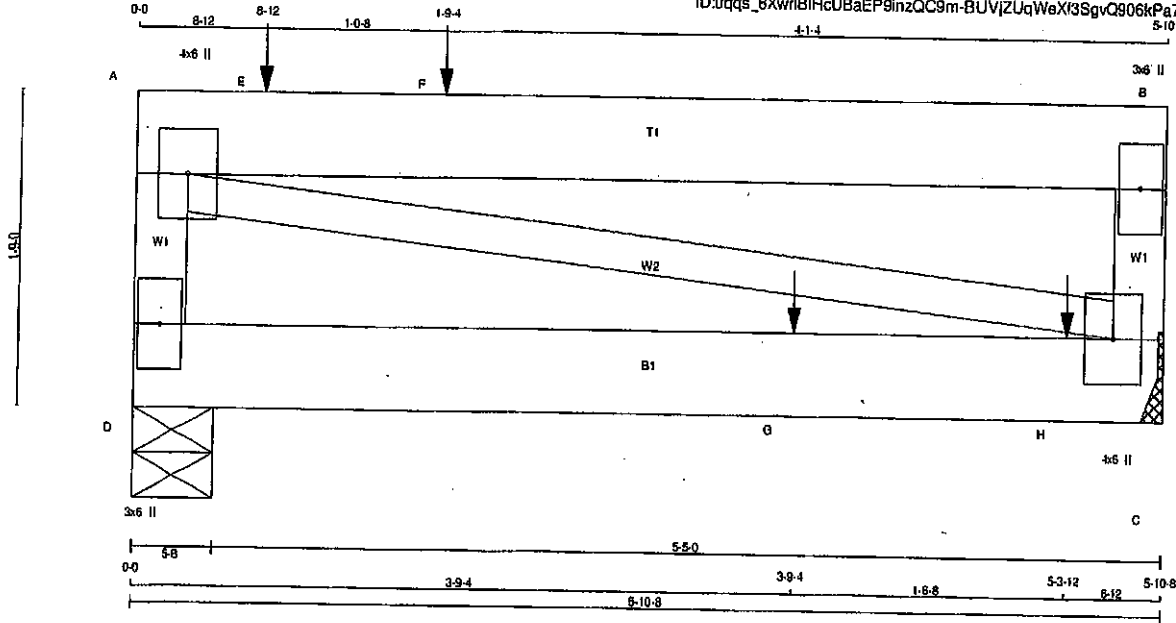
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JOB NAME 408188	TRUSS NAME T30	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarrack Roof Truss, Burlington

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ID:uqqs_6XwriBIHcUBaEP9inzQC9m-BUVjZUqWeXf3SgvQ906kPa7EZLeQahQzoYIMC7zPlqP

Scale = 1:11.8



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

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS		
D-A 1	12	TOP
B-C 1	12	TOP
A-B 2	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS		
D-C 2	12	SIDE(0.0)
WEBS: (0.122"x3") SPIRAL NAILS		
2x3 1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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 in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	6.0		
B	TMV+p	MT20	3.0	6.0		
C	BMVW+p	MT20	4.0	6.0		
D	BMV+p	MT20	3.0	6.0		

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

BEARINGS	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
	DOWN	DOWN	IN-SX	IN-SX
JT	VERT	HORZ	UPLIFT	5-8
D	1419	0	1419	0
C	1668	0	1668	0

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

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
D	999	680.0	0.0	0.0	0.0	319.0	0.0
C	1173	807.0	0.0	0.0	0.0	368.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1	MAX. CSI (LC)	MEMB. FORCE (LBS)
FR-TO		FROM TO	UNBRACED LENGTH FR-TO	MAX. CSI (LC)
D-A	-1054.0	0.0	0.0	0.05 (1)
A-E	0.0	-91.8	-91.8	0.50 (1)
E-F	0.0	-91.8	-91.8	0.50 (1)
F-B	0.0	-91.8	-91.8	0.50 (1)
C-B	-565.0	0.0	0.0	0.08 (1)
D-G	0.0	-18.5	-18.5	0.42 (1)
G-H	0.0	-18.5	-18.5	0.42 (1)
H-C	0.0	-18.5	-18.5	0.42 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC	LC1	MAX	FACE	DIR	TYPE	HEEL	CONN.
E	8-12	-211	-211	---	TOP	VERT	TOTAL	C1
F	1-9-4	-680	-680	---	TOP	VERT	TOTAL	C1
G	3-9-4	-682	-682	---	FRONT	VERT	TOTAL	C1
H	5-3-12	-688	-688	---	FRONT	VERT	TOTAL	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 2 X 27 = 55 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 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/998 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/732 (0.10")

CSI: TC=0.50/1.00 (A-B:1), BC=0.42/1.00 (C-D:1), WB=0.00/1.00 (A-C:1), SS=0.34/1.00 (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.

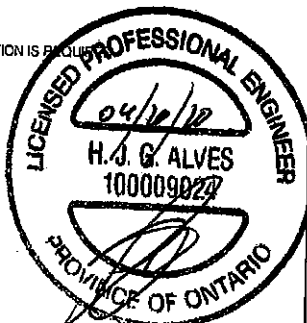
NAIL VALUES

PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	618	354
	1667	788
	1887	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.14 (A) (INPUT = 0.90)
JSI METAL = 0.07 (D) (INPUT = 1.00)

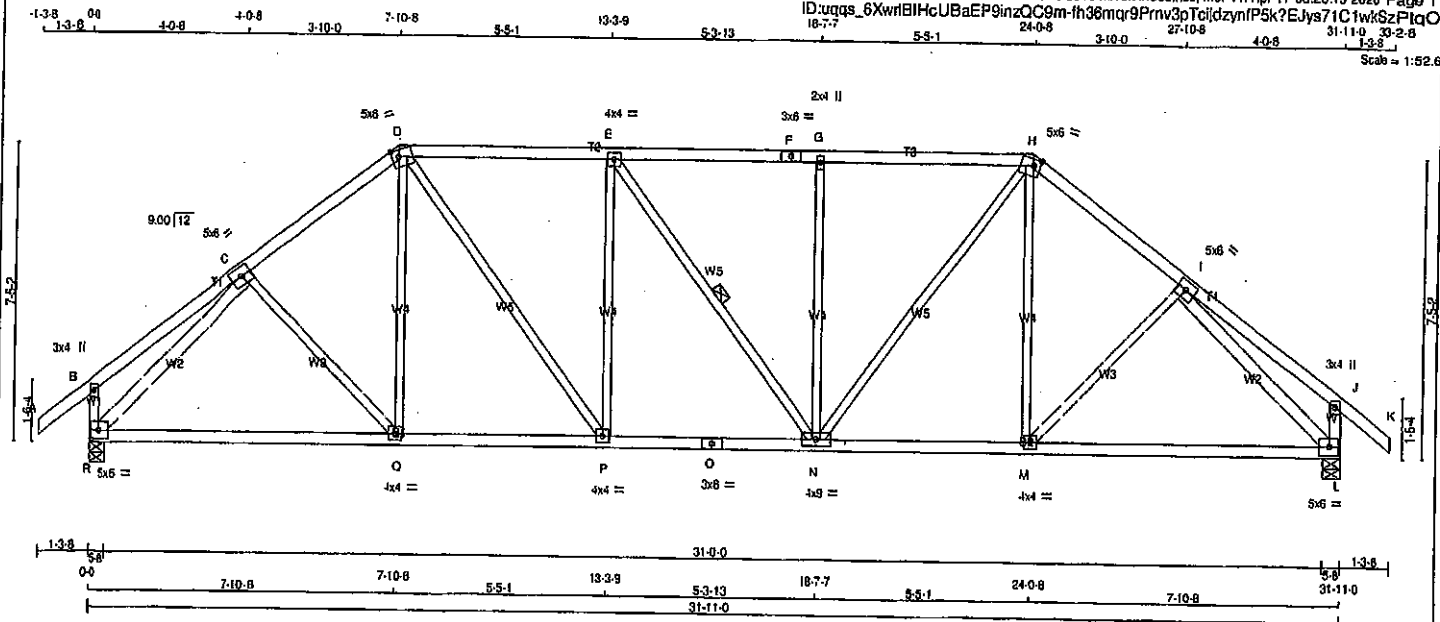


Structural component only
DWG# T-2006441

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
408188	T32	2	1	GREEN PARK HOMES		

Tamarack Roof Truss, Burlington

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ID:ugqs_6XwriBIMcUBaEP9inzQC9m-lh36mq9Prnw3pTcidzmfP5k?EJys71C1wtSzPlqO
18-7-7 18-7-7 5-3-1 24-0-8 3-10-0 27-10-8 4-0-8 31-11-0 30-2-8 1-3-8
Scale = 1:52.6



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

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMV-p	MT20	3.0	4.0	
C	TMW-W	MT20	5.0	6.0	
D	TTW-W	MT20	5.0	6.0	2.00 2.00
E	TMW-W	MT20	4.0	4.0	
F	TS-1	MT20	3.0	6.0	
G	TMW-W	MT20	2.0	4.0	
H	TTW-W	MT20	5.0	6.0	2.00 2.00
I	TMW-W	MT20	5.0	6.0	
J	TMV-p	MT20	3.0	4.0	
L	BMV-W	MT20	5.0	6.0	
M, P, Q					
M	BMW-W	MT20	4.0	4.0	
N	BMW-W	MT20	4.0	4.0	
O	BS-1	MT20	3.0	6.0	
R	BMV-W	MT20	5.0	6.0	

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

BEARINGS					
	FACTORED	MAXIMUM FACTORED	INPUT	RECORD	
	GROSS REACTION	GROSS REACTION	BRG	BRG	
JT	VERT	DOWN	HORIZ	UPLIFT	IN-SX
R	1886	0	1886	0	5-8
L	1886	0	1886	0	5-8

UNFACTORED REACTIONS					
	1ST CASE	MAX. MIN. COMPONENT REACTIONS			
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND
JT	1331	887.0	0.0	0.0	0.0
R	1331	887.0	0.0	0.0	0.0
L	1331	887.0	0.0	0.0	0.0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.34 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 (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LBS)
FR-TO		FROM TO		FR-TO			FR-TO		
A-B	0.38	-91.8	-91.8 0.12 (1)	10.00	C-O	0.52	0.02 (4)		
B-C	0.24	-91.8	-91.8 0.22 (1)	10.00	Q-D	0.149	0.05 (4)		
C-D	-1878.0	-91.8	-91.8 0.29 (1)	4.62	D-P	0.1777	0.17 (1)		
D-E	-1953.0	-91.8	-91.8 0.45 (1)	4.34	P-E	-533.0	0.53 (1)		
E-F	-1951.0	-91.8	-91.8 0.45 (1)	4.34	E-N	-3.0	0.00 (1)		
F-G	-1951.0	-91.8	-91.8 0.45 (1)	4.34	N-G	-532.0	0.53 (1)		
G-H	-1951.0	-91.8	-91.8 0.45 (1)	4.35	M-H	0.774	0.17 (1)		
H-I	-1878.0	-91.8	-91.8 0.29 (1)	4.62	M-H	0.150	0.05 (4)		
I-J	0.24	-91.8	-91.8 0.22 (1)	10.00	M-I	0.52	0.02 (4)		
J-K	0.38	-91.8	-91.8 0.12 (1)	10.00	R-C	-2148.0	0.82 (1)		
R-B	-266.0	0.0	0.0 0.03 (1)	7.61	I-L	-2149.0	0.82 (1)		
L-J	-266.0	0.0	0.0 0.03 (1)	7.61					
R-O	0.1479	-18.5	-18.5 0.38 (1)	10.00					
Q-P	0.1482	-18.5	-18.5 0.38 (1)	10.00					
P-O	0.1953	-18.5	-18.5 0.37 (1)	10.00					
O-N	0.1953	-18.5	-18.5 0.37 (1)	10.00					
N-M	0.1482	-18.5	-18.5 0.38 (1)	10.00					
M-L	0.1479	-18.5	-18.5 0.38 (1)	10.00					

PROFESSIONAL

TOTAL WEIGHT = 2 X 148 = 296 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 CBC 2018, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

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

CS: TC=0.45/1.00 (D-E:1), EC=0.38/1.00 (M-N:1), WB=0.82/1.00 (I-L:1), SS=0.23/1.00 (O-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

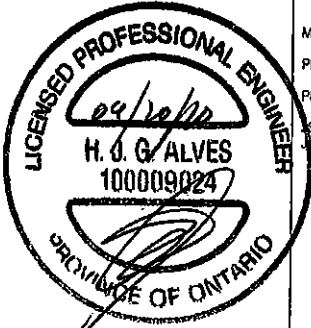
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP = 0.89 (I) (INPUT = 0.90)
SI METAL = 0.88 (O) (INPUT = 1.00)

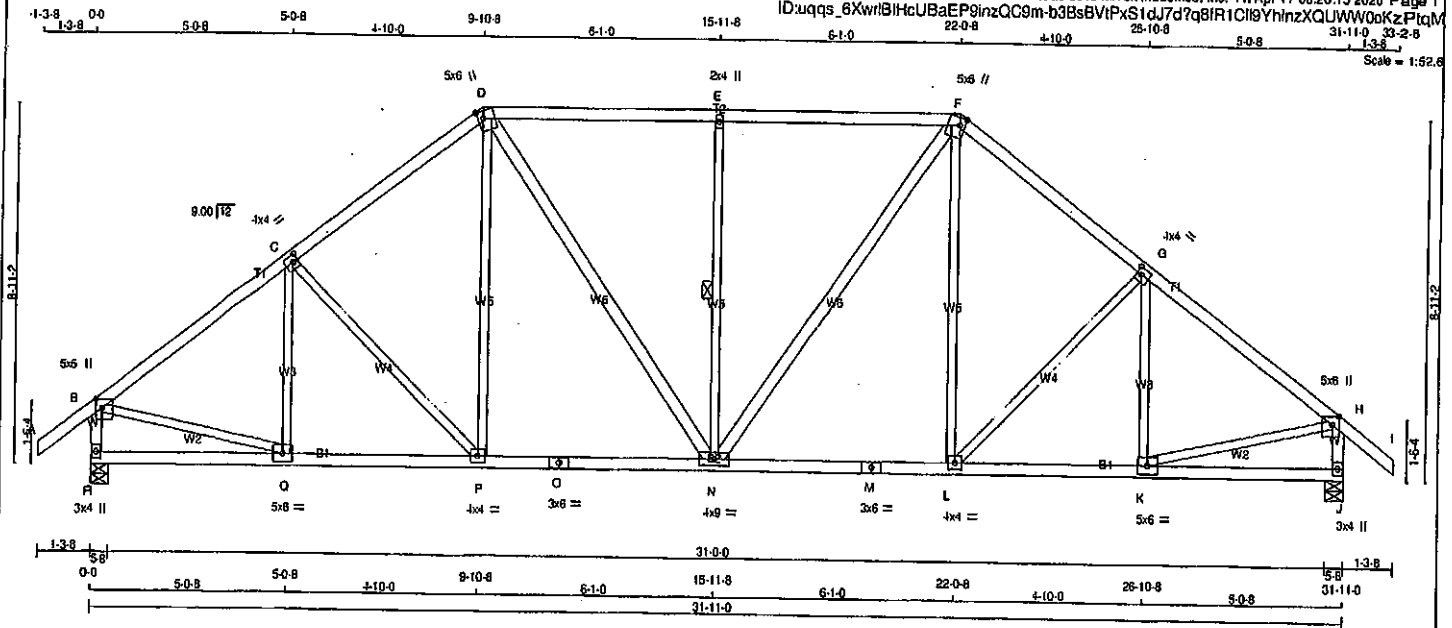


Structural component only
DWG# T-2006442

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
408188	T33	2	1	GREEN PARK HOMES		

Tamarack Roof Truss, Burlington

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31-11-0 33-2-8
Scale = 1:52.6



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

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	5.0	6.0	2.50	2.00
C	TMVW-i	MT20	4.0	4.0	2.00	1.50
D	TTWW+m	MT20	5.0	6.0	2.25	1.50
E	TMVW+w	MT20	2.0	4.0		
F	TTWW+m	MT20	5.0	6.0	2.25	1.50
G	TMVW-i	MT20	4.0	4.0	2.00	1.50
H	TMVW+p	MT20	5.0	6.0	2.50	2.00
J	BMV1+p	MT20	3.0	4.0		
K	BMVW-i	MT20	5.0	6.0		
L	BMVW-i	MT20	5.0	6.0		
M	BS-1	MT20	3.0	8.0		
N	BMVWVW-i	MT20	4.0	8.0		
O	BS-1	MT20	3.0	8.0		
P	BMVW-i	MT20	4.0	4.0		
Q	BMVW-i	MT20	5.0	6.0		
R	BMV1+p	MT20	3.0	4.0		

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

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

UNFACTORED REACTIONS

JT	1ST LOASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	1331	887.0	0.0	0.0	0.0	0.0	444.0	0.0
J	1331	887.0	0.0	0.0	0.0	0.0	444.0	0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.53 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.

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. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	UNBRACED LENGTH
FR-TO				FR-TO			
A-B	0.38	-91.8	-91.8 0.12 (1)	10.00	Q-C	-274.0	0.11 (1)
B-C	-1920.0	-91.8	-91.8 0.35 (1)	4.53	C-P	-236.0	0.22 (1)
C-D	-1780.0	-91.8	-91.8 0.33 (1)	4.68	P-D	0.270	0.08 (1)
D-E	-1680.0	-91.8	-91.8 0.48 (1)	4.57	D-N	0.488	0.08 (1)
E-F	-1680.0	-91.8	-91.8 0.48 (1)	4.57	N-E	-684.0	0.35 (1)
F-G	-1780.0	-91.8	-91.8 0.33 (1)	4.68	N-F	0.488	0.08 (1)
G-H	-1920.0	-91.8	-91.8 0.35 (1)	4.53	L-F	0.270	0.06 (1)
H-I	0.38	-91.8	-91.8 0.12 (1)	10.00	L-G	-236.0	0.22 (1)
R-B	-1845.0	0.0	0.0 0.19 (1)	6.16	K-G	-274.0	0.11 (1)
J-H	-1845.0	0.0	0.0 0.19 (1)	6.16	B-Q	0.1604	0.38 (1)
R-Q	0.0	-18.5	-18.5 0.10 (4)	10.00	K-H	0.1604	0.38 (1)
O-P	0.1581	-18.5	-18.5 0.31 (1)	10.00			
P-O	0.1398	-18.5	-18.5 0.30 (1)	10.00			
O-N	0.1398	-18.5	-18.5 0.30 (1)	10.00			
N-M	0.1398	-18.5	-18.5 0.30 (1)	10.00			
M-L	0.1398	-18.5	-18.5 0.30 (1)	10.00			
L-K	0.1581	-18.5	-18.5 0.31 (1)	10.00			
K-J	0.0	-18.5	-18.5 0.10 (4)	10.00			

TOTAL WEIGHT = 2 X 155 = 310 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" IN G/G

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

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) = L/360 (1.06')
CALCULATED VERT. DEFL.(LL) = L/999 (0.07')
ALLOWABLE DEFL.(TL) = L/360 (1.06')
CALCULATED VERT. DEFL.(TL) = L/999 (0.13')

CS1: TC=0.48/1.00 (D-E:1), BC=0.31/1.00 (K-L:1), WB=0.36/1.00 (B-Q:1), SS=0.27/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

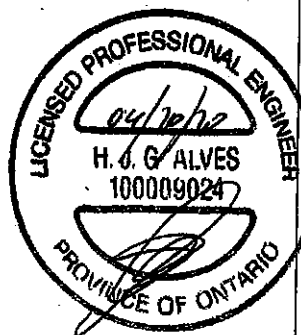
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

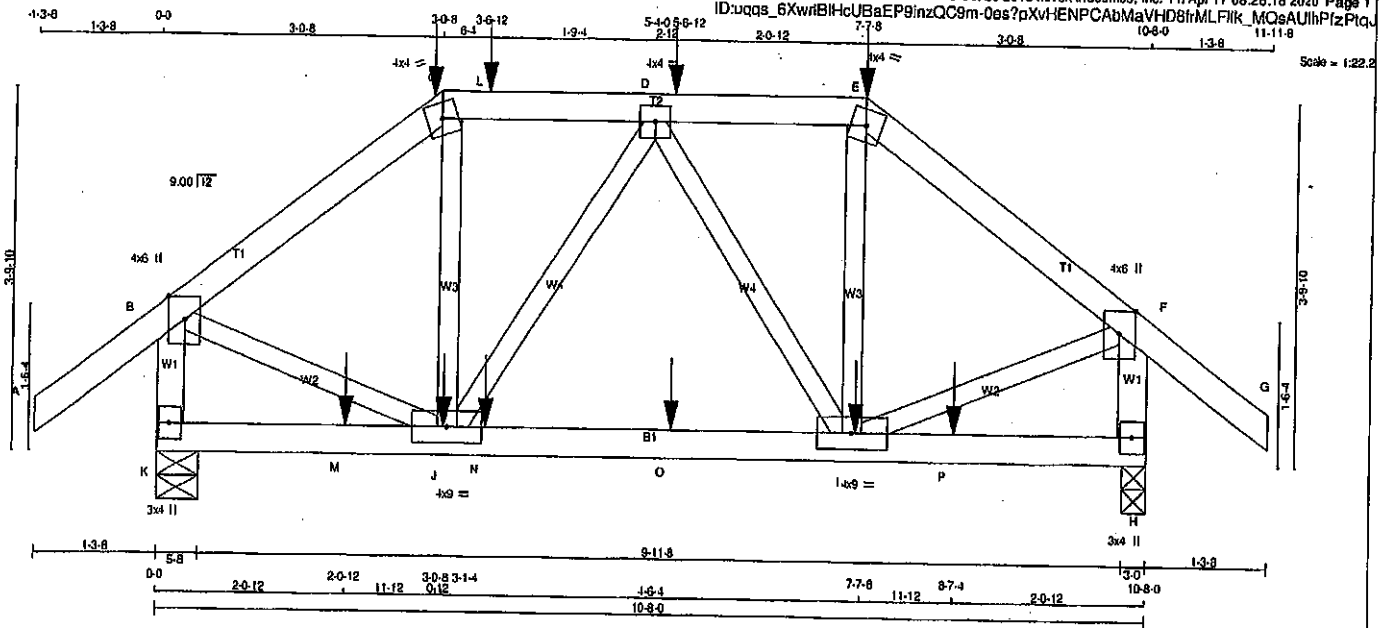
SI GRIP= 0.89 (B) (INPUT = 0.90)
SI METAL= 0.46 (O) (INPUT = 1.00)



Structural component only
DWG# T-2006443



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408188	T36	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 08:26:18 2020 Page 1					
ID:uqqs_6XwriBIHcUBaEP9inzQC9m-0es?pxvHENPCabMaVHD8frMLFIk_MQsAUihPlzPlQJ					
11-11-8					
Scale = 1:22.2					



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

PLATES (table is in inches)			
JT TYPE	PLATES	W	LEN Y X
B TMW+p	MT20	4.0	6.0 Edge
C TTW-m	MT20	4.0	4.0
D TMW-w	MT20	4.0	4.0
E TTW-m	MT20	4.0	4.0
F TMW+p	MT20	4.0	6.0 Edge
H BMV+p	MT20	3.0	4.0
I BMW-w	MT20	4.0	9.0
J BMW-w	MT20	4.0	9.0
K BMV+p	MT20	3.0	4.0

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	UP	BRG	BRG	IN-SX
K	977	0	0	977	0	0	5-8	5-8	5-8
H	951	0	0	951	0	0	3-0	3-0	3-0

UNFACTORED REACTIONS		1ST LC CASE		MAX. MIN. COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE	PERMALIVE	WIND
K	888	469	0	0	0
H	870	456	0	0	0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINTS (K, 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		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	FORCE (LBS)	MAX. CS1 (LC)	MAX. CS1 (LC)
FR-TO		FROM TO		FR-TO			
A-B	0.38	-91.8	-91.8 0.14 (1)	J-C	0.88	0.03 (4)	0.03 (4)
B-C	-759.0	-91.8	-91.8 0.17 (1)	I-E	0.71	0.03 (4)	0.03 (4)
C-L	-608.0	-91.8	-91.8 0.09 (1)	B-J	0.748	0.16 (1)	0.16 (1)
L-D	-608.0	-91.8	-91.8 0.09 (1)	I-F	0.623	0.15 (1)	0.15 (1)
D-E	-584.0	-91.8	-91.8 0.17 (1)	J-D	-165.0	0.05 (1)	0.05 (1)
E-F	-730.0	-91.8	-91.8 0.17 (1)	D-I	-207.0	0.08 (1)	0.08 (1)
F-G	0.38	-91.8	-91.8 0.14 (1)				
K-B	-953.0	0.0	0.0 0.11 (1)				
H-F	-927.0	0.0	0.0 0.11 (1)				
K-M	0.0	-18.5	-18.5 0.08 (4)				
M-J	0.0	-18.5	-18.5 0.08 (4)				
J-N	0.694	-18.5	-18.5 0.17 (1)				
N-O	0.694	-18.5	-18.5 0.17 (1)				
O-I	0.694	-18.5	-18.5 0.17 (1)				
I-P	0.0	-18.5	-18.5 0.08 (4)				
P-H	0.0	-18.5	-18.5 0.08 (4)				

FACTORED CONCENTRATED LOADS (LBS)		LOC.		MAX.		FACE		DIR.		TYPE		HEEL		CONN.	
JT	LOC.	LC1	MAX.	MAX.		BACK	VERT			TOTAL					
C	3-0-8	-162	-162			BACK	VERT			TOTAL					
D	5-6-12	-48	-48			BACK	VERT			TOTAL					
E	7-7-8	-162	-162			BACK	VERT			TOTAL					
I	7-6-12	-10	-10			BACK	VERT			TOTAL					
J	3-1-4	-10	-10			BACK	VERT			TOTAL					
L	3-6-12	-70	-70			BACK	VERT			TOTAL					
M	2-0-12	-10	-10			BACK	VERT			TOTAL					
N	3-6-12	-10	-10			BACK	VERT			TOTAL					
O	5-6-12	-10	-10			BACK	VERT			TOTAL					
P	8-7-4	-10	-10			BACK	VERT			TOTAL					

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 49 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24" IN. G.C

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

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, 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 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

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

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

CS1: TC=0.17/1.00 (B-C:1), BC=0.17/1.00 (I-J:1), WB=0.18/1.00 (B-J:1), SS1=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

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

NAIL VALUES

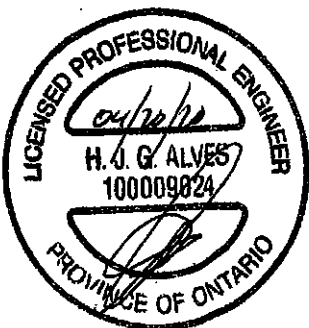
PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	819	354	1807
	788	1987	1858

PLATE PLACEMENT TOL. = 0.250 inches

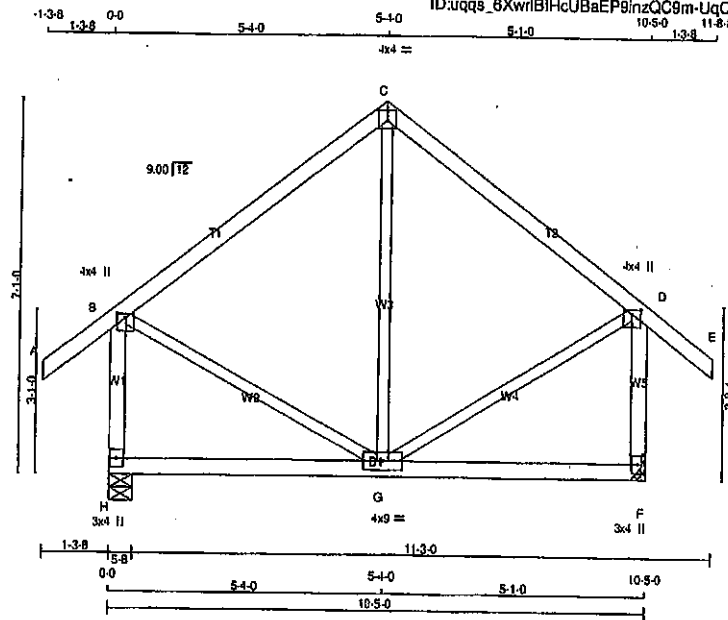
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.61 (B) (INPUT = 0.90)
JSI METAL = 0.41 (F) (INPUT = 1.00)

Structural component only
DWG# T-2006446



JOB NAME 408188	TRUSS NAME T37	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.310.5 Oct 29 2019 MiTek Industries, Inc. Fri Apr 17 08:26:19 2020 Page 1	



Scale = 1:10.1

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 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	4.0	2.25	2.00
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		

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

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
H	701	0	701	0
F	701	0	701	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT F. MINIMUM BEARING LENGTH AT JOINT F = 3.8.

UNFACTORED REACTIONS

JT	1ST CASE	MAX-MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
H	493	337.0	0.0	0.0	0.0	0.0	156.0	0.0
F	493	337.0	0.0	0.0	0.0	0.0	156.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO	LENGTH	FR-TO			
A-B	0.38	-91.8 -91.8	0.12 (1)	10.00	G-C	-133 41	0.11 (1)
B-C	-287.0	-91.8 -91.8	0.33 (1)	8.25	B-G	0 259	0.06 (1)
C-D	-287.0	-91.8 -91.8	0.30 (1)	8.25	G-D	0 265	0.06 (1)
D-E	0.38	-91.8 -91.8	0.12 (1)	10.00			
H-B	-663.0	0.0 0.0	0.11 (1)	7.81			
F-D	-665.0	0.0 0.0	0.12 (1)	7.81			
H-G	0 0	-18.5 -18.5	0.14 (4)	10.00			
G-F	0 0	-18.5 -18.5	0.14 (4)	10.00			

TOTAL WEIGHT = 51 lb [M]F

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.35")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.35")
CALCULATED VERT. DEFL.(TL) = L/999 (0.02")

CSI: TC=0.33/1.00 (B-C:1), BC=0.14/1.00 (F-G:4),
WB=0.11/1.00 (G-D:1), 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

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.

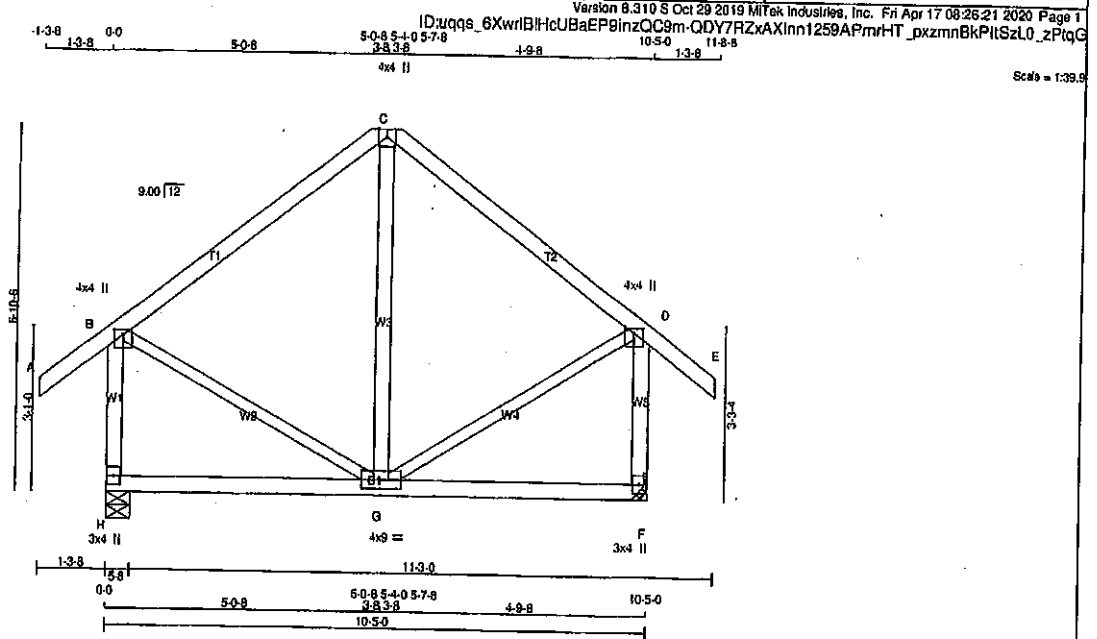
JSI GRIP = 0.53 (B) (INPUT = 0.90)
JSI METAL = 0.13 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006447

JOB NAME 408188	TRUSS NAME T37CP	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington



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

ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				
G - C	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMVW+p	MT20	4.0	4.0	1.00	2.00
C TMTMW+p	MT20	4.0	4.0	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	DOWN	HORIZ	UPLIFT
H	701	0	0	5-8
F	701	0	0	MECHANICAL

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
H	493	337.0	0.0	0.0	156.0	0.0
F	493	337.0	0.0	0.0	156.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 MAX (PLF) CSI (LC)	MEMB.	FORCE (LBS) MAX (LC)
FR-TO		FROM TO	FR-TO	
A-B	0 / 38	-91.8 -91.8 0.12 (1)	8-G	0.259 0.06 (1)
B-C	-287 / 0	-91.8 -91.8 0.33 (1)	G-D	0.266 0.06 (1)
C-D	-287 / 0	-91.8 -91.8 0.30 (1)	G-C	-133 / 41 0.08 (1)
D-E	0 / 38	-91.8 -91.8 0.12 (1)		
H-B	-662 / 0	0.0 0.0 0.11 (1)		
F-D	-665 / 0	0.0 0.0 0.12 (1)		
H-G	0 / 0	-18.5 -18.5 0.14 (4)		
G-F	0 / 0	-18.5 -18.5 0.14 (4)		

DESIGN CRITERIA

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

SPACING = 24.0 IN. OC

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018, 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 (0.35")
CALCULATED VERT. DEFL. (LL) = L/989 (0.00")
ALLOWABLE DEFL. (TL) = L/360 (0.35")
CALCULATED VERT. DEFL. (TL) = L/999 (0.02")

CSI: TC=0.33/1.00 (B-C:1), BC=0.14/1.00 (G-H:4), WB=0.08/1.00 (C-G:1), 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 HEELS OFF

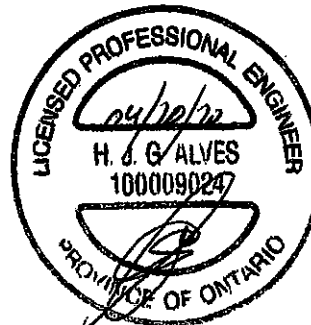
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.53 (B) (INPUT = 0.80)
JSI METAL= 0.13 (B) (INPUT = 1.00)

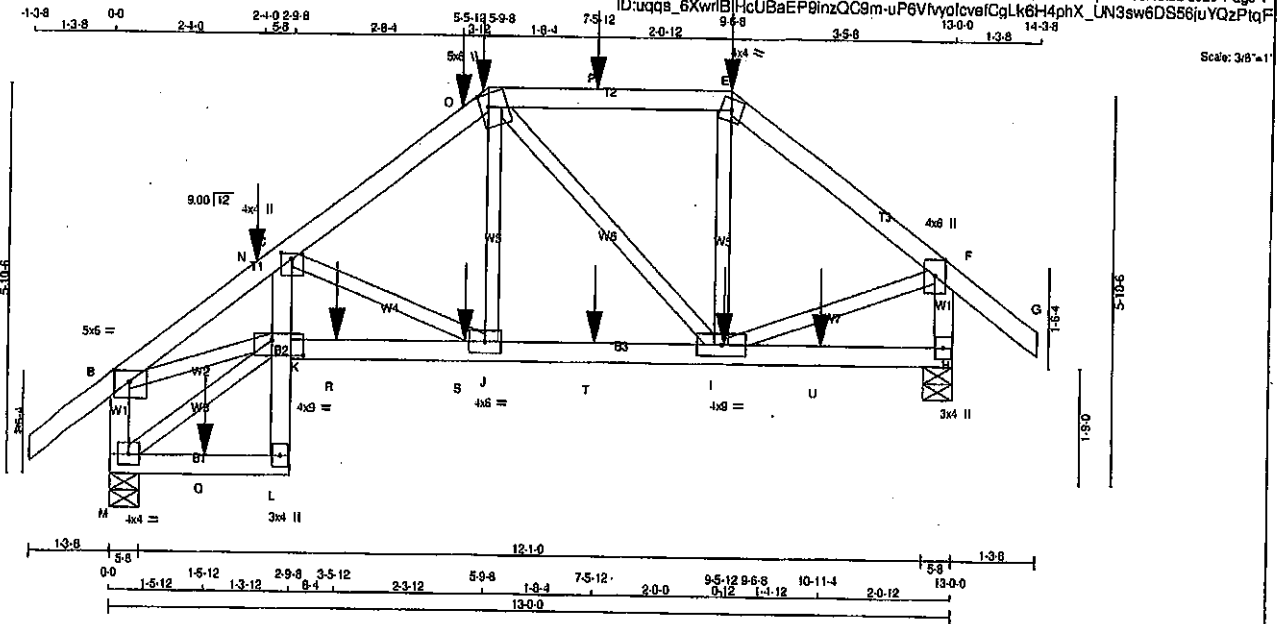


Structural component only
DWG# T-2006448

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	TRUSS DESC.	DRWG NO.
408188	T38S	1	1	GREEN PARK HOMES		

Tamarack Roof Truss, Burlington

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Scale: 3/8\"/>

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

PLATES (table in inches)				
JT	TYPE	PLATES	W	LEN
B	TMVW-p	MT20	5.0	6.0
C	TMVW-p	MT20	4.0	4.0
D	TTW-w	MT20	5.0	6.0
E	TTW-m	MT20	4.0	4.0
F	TMVW-p	MT20	4.0	6.0
H	BMV1-p	MT20	3.0	4.0
I	BMVW-w	MT20	4.0	9.0
J	BMVW-w	MT20	4.0	6.0
K	BMVW-w	MT20	4.0	9.0
L	BMV-p	MT20	3.0	4.0
M	BMVW-w	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

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT		REQD	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
H	1179	0	1179	0	0	5-8	5-8
M	1128	0	1128	0	0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
H	831	580 / 0	0 / 0	0 / 0	0 / 0	271 / 0	0 / 0
M	785	535 / 0	0 / 0	0 / 0	0 / 0	260 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.55 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. CSI (L.C)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (L.C)
FR-TO		FROM TO			FR-TO		
A-B	0 / 38	-91.8 -91.8	0.14 (1)	10.00	C-J	-843 / 0	0.21 (1)
B-N	-2074 / 0	-91.8 -91.8	0.15 (1)	4.55	J-D	0 / 374	0.09 (1)
N-C	-2074 / 0	-91.8 -91.8	0.15 (1)	4.55	D-I	-269 / 0	0.12 (1)
C-O	-1200 / 0	-91.8 -91.8	0.18 (1)	5.80	I-E	0 / 93	0.04 (4)
O-D	-1200 / 0	-91.8 -91.8	0.18 (1)	5.80	E-F	0 / 834	0.21 (1)
D-P	-792 / 0	-91.8 -91.8	0.35 (1)	6.25	M-K	-54 / 0	0.01 (1)
P-E	-792 / 0	-91.8 -91.8	0.35 (1)	6.25	B-K	0 / 1730	0.43 (1)
E-F	-991 / 0	-91.8 -91.8	0.23 (1)	5.96			
F-G	0 / 38	-91.8 -91.8	0.14 (1)	10.00			
M-B	-1071 / 0	0.0 0.0	0.12 (1)	7.58			
H-F	-1148 / 0	0.0 0.0	0.13 (1)	7.39			
M-Q	0 / 44	-18.5 -18.5	0.05 (4)	10.00			
Q-L	0 / 44	-18.5 -18.5	0.05 (4)	10.00			
L-K	0 / 29	0.0 0.0	0.13 (1)	10.00			
K-C	0 / 509	0.0 0.0	0.21 (1)	10.00			
K-R	0 / 1741	-18.5 -18.5	0.35 (1)	10.00			
R-S	0 / 1741	-18.5 -18.5	0.35 (1)	10.00			
S-J	0 / 1741	-18.5 -18.5	0.35 (1)	10.00			
J-T	0 / 978	-18.5 -18.5	0.21 (1)	10.00			
T-I	0 / 978	-18.5 -18.5	0.21 (1)	10.00			
I-U	0 / 0	-18.5 -18.5	0.08 (4)	10.00			
U-H	0 / 0	-18.5 -18.5	0.08 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
D	5-9-8	-128	-128	---	FRONT	VERT	TOTAL	---	C1
E	9-6-8	-206	-206	---	FRONT	VERT	TOTAL	---	C1
I	9-5-12	-13	-13	---	FRONT	VERT	TOTAL	---	C1
N	2-4-0	-9	-9	---	FRONT	VERT	DEAD	---	C1
N	2-4-0	-41	-41	---	FRONT	VERT	SNOW	---	C1
O	5-5-12	-98	-98	---	FRONT	VERT	TOTAL	---	C1
P	7-5-12	-67	-67	---	FRONT	VERT	TOTAL	---	C1
Q	1-5-12	-3	-3	---	FRONT	VERT	TOTAL	---	C1
R	3-5-12	-15	-15	---	FRONT	VERT	TOTAL	---	C1
S	5-5-12	-13	-13	---	FRONT	VERT	TOTAL	---	C1
T	7-5-12	-13	-13	---	FRONT	VERT	TOTAL	---	C1
U	10-11-4	-13	-13	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 62 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\"/>

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

(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 (0.43")
CALCULATED VERT. DEFL. (LL) = L/999 (0.04")
ALLOWABLE DEFL. (TL) = L/360 (0.43")
CALCULATED VERT. DEFL. (TL) = L/999 (0.07")

CSI: TC=0.35/1.00 (D-E:1), BC=0.35/1.00 (J-K:1), WB=0.43/1.00 (B-K:1), SSI=0.18/1.00 (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

AUTOSOLVE RIGHT HEEL ONLY

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

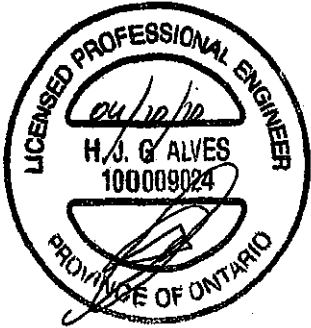
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

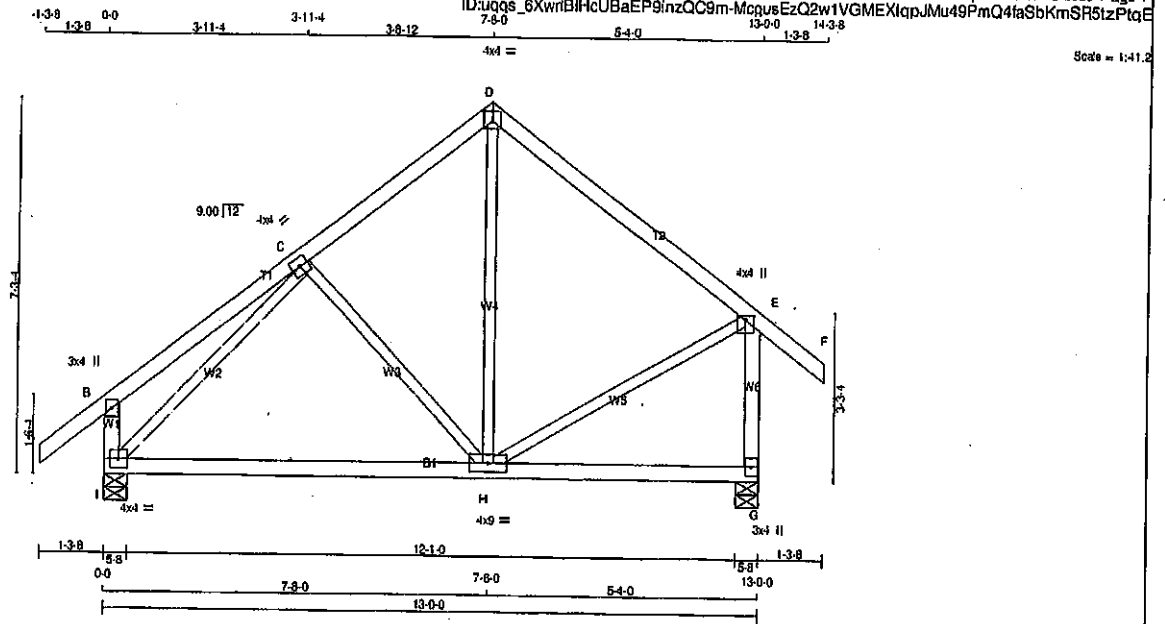
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.88 (K) (INPUT = 0.90)
JSI METAL = 0.51 (F) (INPUT = 1.00)

Structural component only
DWG# T-2006449



JOB NAME 408188	TRUSS NAME T39	QUANTITY 5	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



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

ALL WEBS 2x3 DRY No.2 EXCEPT

DRY: SEASONED LUMBER.

PLATES (table in inches)	W	LEN	Y	X
JT TYPE				
B TMV+p	MT20	3.0	4.0	
C TMWW-t	MT20	4.0	4.0	
D TTW-p	MT20	4.0	4.0	2.25 2.00
E TMVW+p	MT20	4.0	4.0	1.00 2.00
G BMV1+p	MT20	3.0	4.0	
H BMVWW-t	MT20	4.0	9.0	
I BMVW1-t	MT20	4.0	4.0	

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
JT	VERT	GROSS REACTION	GROSS REACTION	DOWN	HORIZ	UPLIFT	IN-SX	IN-SX	BRG
I	843	0	843	0	0	0	5-8	5-8	
G	843	0	843	0	0	0	5-8	5-8	

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
I	594	403.0	0.0	0.0	0.0	0.0	191.0	0.0
G	594	403.0	0.0	0.0	0.0	0.0	191.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. (LBS)	MEMB.	FORCE (LBS)	MAX. (LBS)	CS (LBS)
FR-TO		FROM	TO	FR-TO			
A-B	0.38	-91.8	-91.8 0.12 (1)	10.00	C-H	-226.0	0.12 (1)
B-C	0.25	-91.8	-91.8 0.22 (1)	10.00	H-D	0.129	0.04 (4)
C-D	-449.0	-91.8	-91.8 0.17 (1)	8.25	I-C	-722.0	0.37 (1)
D-E	-424.0	-91.8	-91.8 0.34 (1)	8.25	H-E	0.387	0.09 (1)
E-F	0.38	-91.8	-91.8 0.12 (1)	10.00			
I-B	-260.0	0.0	0.0 0.03 (1)	7.81			
G-E	-613.0	0.0	0.0 0.15 (1)	7.81			
I-H	0.495	-18.5	-18.5 0.28 (4)	10.00			
H-G	0.0	-18.5	-18.5 0.25 (4)	10.00			

TOTAL WEIGHT = 5 X 61 = 303 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 = 34.0 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, NBCC 2015, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL. (LL) = $L/360$ (0.43")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.01")
ALLOWABLE DEFL. (TL) = $L/360$ (0.43")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.09")

CSI: TC=0.34/1.00 (D-E:1), SC=0.28/1.00 (H-I:4),
WB=0.37/1.00 (C-I:1), SS=0.15/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

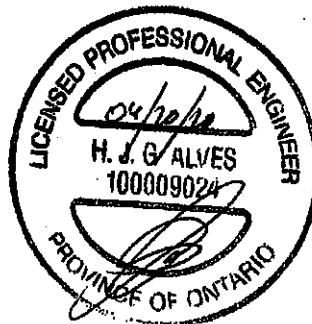
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

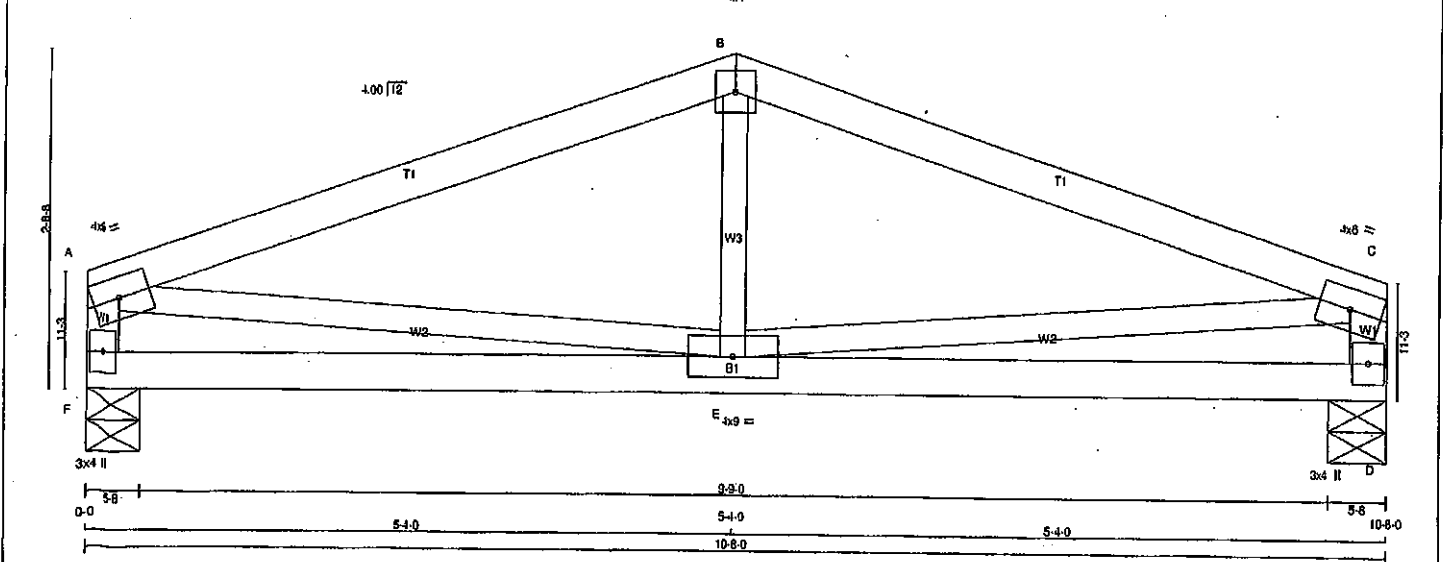
JSI GRIP= 0.88 (C) (INPUT = 0.90)
JSI METAL= 0.26 (C) (INPUT = 1.00)



Structural component only
DWG# T-2006450

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408189	T51	1	1	GREEN PARK HOMES	
Tamarack Floor Truss, Burlington					

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10-8-0
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LUMBER	N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS				
A - B	2x4	DRY	No.2	SPF
B - C	2x4	DRY	No.2	SPF
F - A	2x4	DRY	No.2	SPF
D - C	2x4	DRY	No.2	SPF
F - D	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table in inches)	JT TYPE	PLATES	W	LEN	Y	X
A	TMW-t	MT20	4.0	6.0		
B	TTW-p	MT20	4.0	4.0		
C	TMW-t	MT20	4.0	6.0		
D	BMV-t	MT20	3.0	4.0		
E	BMWVW-t	MT20	4.0	9.0		
F	BMV-t	MT20	3.0	4.0		

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

BEARINGS		MAXIMUM FACTORED		INPUT	REQD		
GROSS REACTION		GROSS REACTION		BRG	BRG		
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
F	588	0	588	0	0	5-8	5-8
D	588	0	588	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	416	273.0	0.0	0.0	0.0	143.0	0.0
D	416	273.0	0.0	0.0	0.0	143.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	FACTORED LG1 (PLF)	MAX. CSI (LC)	MEMB. LENGTH FR-TO	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
A-B	-708.0	-91.8	-91.8	0.34 (1)	6.25	E-B	-42.77	0.03 (4)
B-C	-708.0	-91.8	-91.8	0.34 (1)	6.25	A-E	0.676	0.15 (1)
F-A	-548.0	0.0	0.0	0.05 (1)	7.81	E-C	0.676	0.15 (1)
D-C	-548.0	0.0	0.0	0.05 (1)	7.81			
F-E	0.0	-18.5	-18.5	0.14 (4)	10.00			
E-D	0.0	-18.5	-18.5	0.14 (4)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.36")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.36")
CALCULATED VERT. DEFL.(TL) = L/999 (0.04")

CSI: TC=0.34/1.00 (B-C:1), BC=0.14/1.00 (E-F:4),
WB=0.15/1.00 (A-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

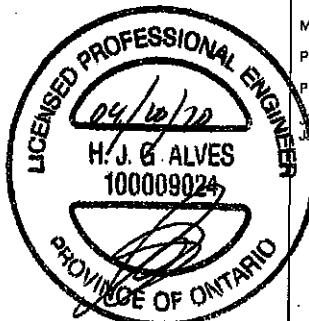
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PS) (PL) (PL)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 768 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

SI GRIP= 0.39 (C) (INPUT = 0.80)
METAL= 0.19 (C) (INPUT = 1.00)



Structural component only
DWG# T-2006453

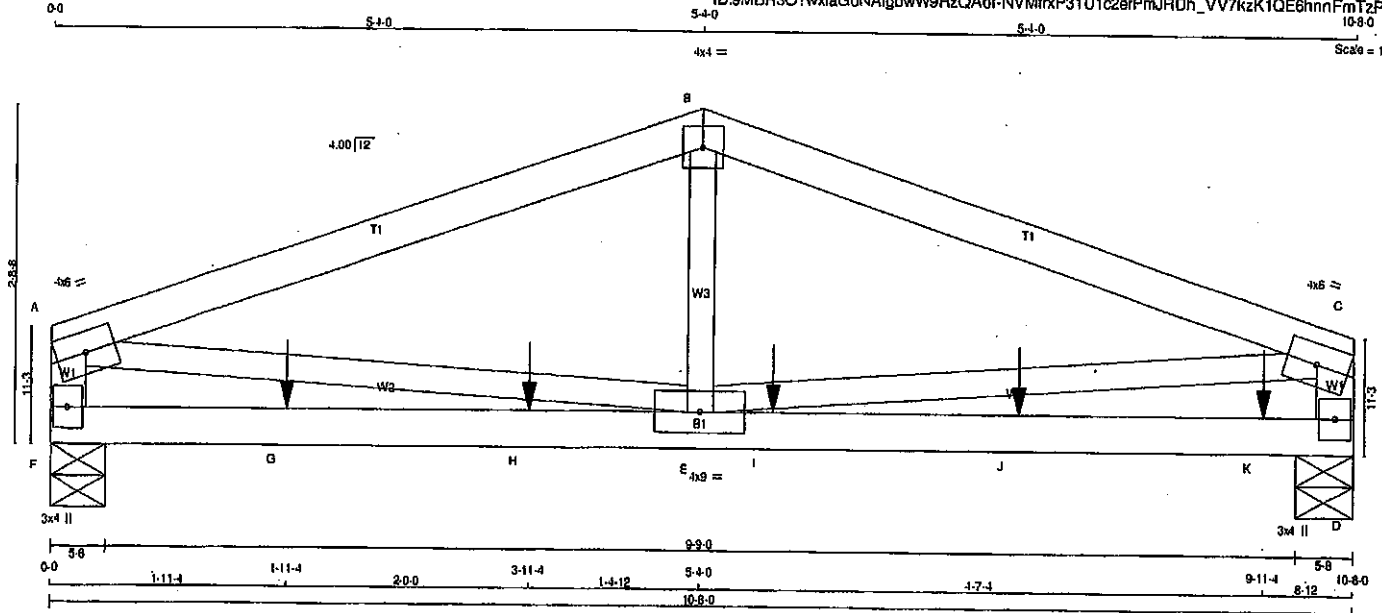
JOB NAME 408189	TRUSS NAME T51Z	QUANTITY 1	PLY 2	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.310 S Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 08:28:22 2020 Page 1

ID:9MBR3O?wdaGdNAIgbwW9RzQAof-NVMtrP31U1c2arPmJR0h_VV7kzK1QE6hnnFmT2PtoN

103.0

Scale = 1:17.0



TOTAL WEIGHT = 2 X 36 = 72 lb

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

DRY: SEASONED LUMBER.

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 - B	12	TOP
B - C	12	TOP
F - A	12	TOP
D - C	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
F - D	12	SIDE(0.0)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
A TMVW-1	MT20	4.0	6.0		
B TTW-p	MT20	4.0	4.0		
C TMVW-1	MT20	4.0	6.0		
D BMV1+p	MT20	3.0	4.0		
E BMVWW-1	MT20	4.0	9.0		
F BMV1+p	MT20	3.0	4.0		

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

BUILDING DESIGNER

BEARINGS

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	DOWN	UP/LIFT	IN-SX
F	1438	0	1438	0
D	1912	0	1912	0

UNFACTORED REACTIONS

1ST LCASE	MAX. MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	1010	703.0	0.0	0.0	0.0	307.0	0.0
D	1341	943.0	0.0	0.0	0.0	399.0	0.0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.49 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MAX. FACTORED	FACTORED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	CS1 (LC)	FORCE (LBS)
FR-TO				
A-B	-2375.0	-91.8	-91.8	0.29 (1)
B-C	-2375.0	-91.8	-91.8	0.29 (1)
F-A	-1263.0	0.0	0.0	0.07 (1)
D-C	-1263.0	0.0	0.0	0.07 (1)
F-G	0.0	-18.5	-18.5	0.58 (1)
G-H	0.0	-18.5	-18.5	0.58 (1)
H-E	0.0	-18.5	-18.5	0.58 (1)
E-I	0.0	-18.5	-18.5	0.58 (1)
I-J	0.0	-18.5	-18.5	0.58 (1)
J-K	0.0	-18.5	-18.5	0.58 (1)
K-D	0.0	-18.5	-18.5	0.58 (1)

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX.	FACE	DIR.	TYPE	HEEL	CONN.
G	1-11-4	-265	-265	---	TOP	VERT	TOTAL	---	C1
H	3-11-4	-387	-387	---	TOP	VERT	TOTAL	---	C1
I	5-11-4	-507	-507	---	FRONT	VERT	TOTAL	---	C1
J	7-11-4	-507	-507	---	FRONT	VERT	TOTAL	---	C1
K	9-11-4	-509	-509	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

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

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

CALCULATED VERT. DEFL.(LL) = L/999 (0.11")

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

CALCULATED VERT. DEFL.(TL) = L/679 (0.19")

CS1: TC=0.29/1.00 (B-C:1), BC=0.59/1.00 (E-F:1).

WB=0.29/1.00 (A-E:1), SS=0.42/1.00 (D-E:1)

COL 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

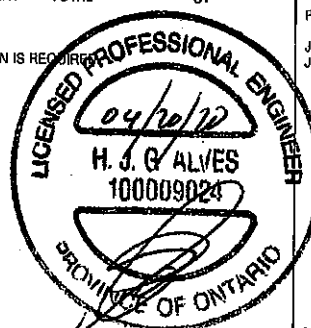
PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	610 354 1667 788 1987 1656	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (C) (INPUT = 0.80)

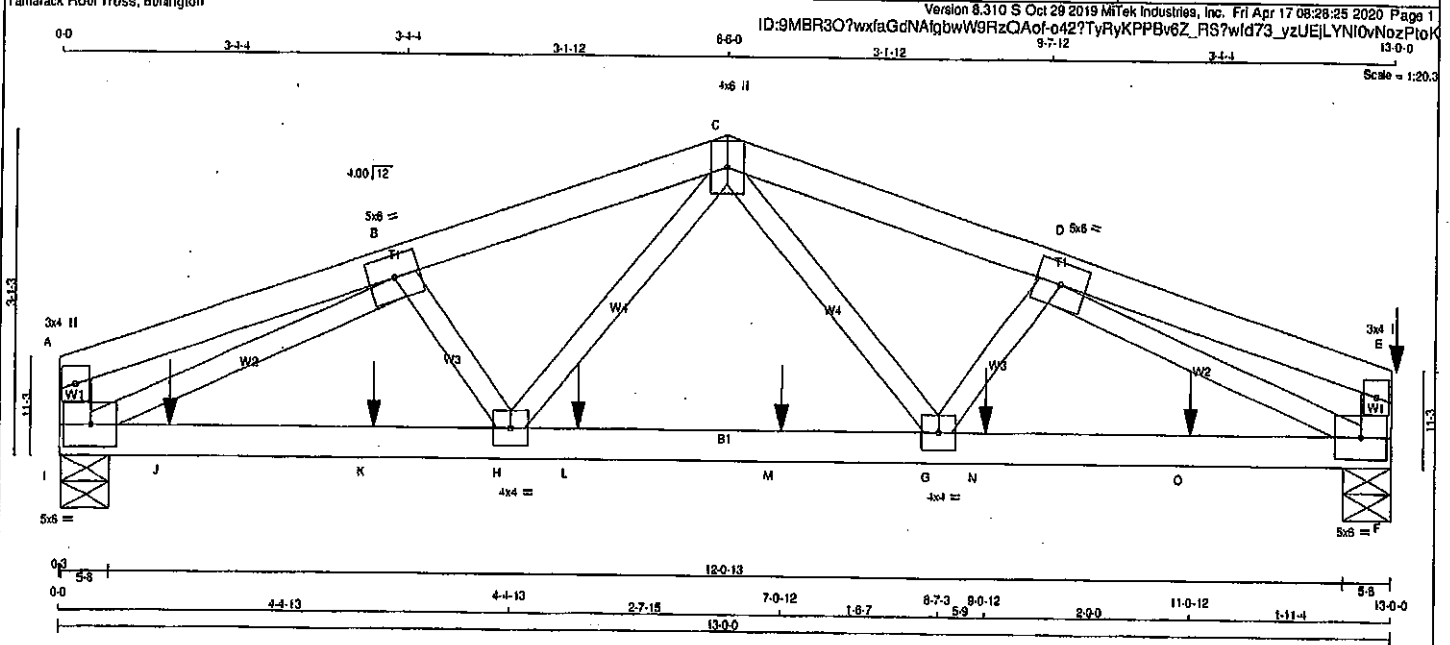
JSI METAL= 0.30 (A) (INPUT = 1.00)



Structural component only
DWG# T-2006454

[illegible]

JOB NAME 408189	TRUSS NAME T53Z	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	DESCR.
A - C	2x4	DRY No.2	SPF
C - E	2x4	DRY No.2	SPF
E - G	2x4	DRY No.2	SPF
G - I	2x4	DRY No.2	SPF
I - O	2x4	DRY No.2	SPF
O - P	2x4	DRY No.2	SPF

ALL WEBS EXCEPT 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD/PLF
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-C	12	TOP
C-E	12	TOP
E-G	12	TOP
G-I	12	TOP
I-O	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
I-F	12	SIDE(0.0)
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 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 TMV+p	MT20	3.0	4.0		
B TMW-I	MT20	5.0	6.0		
C TTW+p	MT20	4.0	6.0		
D TMW-I	MT20	5.0	6.0		
E TMV+p	MT20	3.0	4.0		
F BMW-I	MT20	5.0	6.0		
G BMW-I	MT20	4.0	4.0		
H BMW-I	MT20	4.0	4.0		
I BMW-I	MT20	5.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	RECORD BRG
	VERT	HORZ	DOWN	HORZ		
I	2267	0	2267	0	5-8	5-8
F	2267	0	2267	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE		MAX. MIN. COMPONENT REACTIONS		DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE		
I	1590	1118	0.0	0.0	471	0.0
F	1586	1135	0.0	0.0	451	0.0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINTS I, F

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.91 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CS1 (LC)
FR-TO		FROM TO			FR-TO		
A-B	0/3	-91.8	-91.8	0.08 (1)	0.00	C-G	0/953 0.12 (1)
B-C	-3507/0	-91.8	-91.8	0.12 (1)	4.91	G-D	0/239 0.03 (1)
C-D	-3247/0	-91.8	-91.8	0.11 (1)	5.07	H-C	0/1370 0.17 (1)
D-E	0/4	-91.8	-91.8	0.08 (1)	10.00	B-H	0/286 0.04 (1)
E-F	-140/0	0.0	0.0	0.01 (1)	7.81	I-B	-3580/0 0.45 (1)
	-559/0	0.0	0.0	0.03 (1)	7.81	D-F	-3329/0 0.42 (1)
I-J	0/3168	-18.5	-18.5	0.68 (1)	10.00		
J-K	0/3168	-18.5	-18.5	0.68 (1)	10.00		
K-H	0/3168	-18.5	-18.5	0.68 (1)	10.00		
H-L	0/2503	-18.5	-18.5	0.62 (1)	10.00		
L-M	0/2503	-18.5	-18.5	0.62 (1)	10.00		
M-G	0/2503	-18.5	-18.5	0.62 (1)	10.00		
G-N	0/2948	-18.5	-18.5	0.50 (1)	10.00		
N-O	0/2948	-18.5	-18.5	0.50 (1)	10.00		
O-F	0/2948	-18.5	-18.5	0.50 (1)	10.00		

04/16/18

H. J. G. MILLER

LICENSED PROFESSIONAL ENGINEER

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE
E	13-0-0	-421	-421	---	TOP	VERT	TOTAL
J	1-0-12	-507	-507	---	FRONT	VERT	TOTAL
K	3-0-12	-507	-507	---	FRONT	VERT	TOTAL
L	5-0-12	-507	-507	---	FRONT	VERT	TOTAL
M	7-0-12	-507	-507	---	FRONT	VERT	TOTAL
N	9-0-12	-387	-387	---	TOP	VERT	TOTAL
O	11-0-12	-265	-265	---	TOP	VERT	TOTAL

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 2 X 45 = 91 lb

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

(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 (0.43")
CALCULATED VERT. DEFL.(LL) = L/999 (0.06")
ALLOWABLE DEFL.(TL) = L/360 (0.43")
CALCULATED VERT. DEFL.(TL) = L/999 (0.12")

CSI: TC=0.12/1.00 (B-C:1), BC=0.88/1.00 (H-I:1), WB=0.45/1.00 (B-I:1), SB=0.30/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

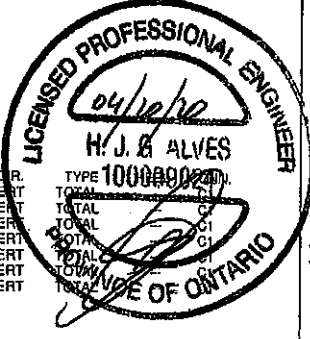
NAIL VALUES

PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX	MIN	MAX
MIN	MAX	MIN
MT20	618	334
	1667	788
	1987	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.80 (F) (INPUT = 0.90)
JSI METAL= 0.45 (D) (INPUT = 1.00)

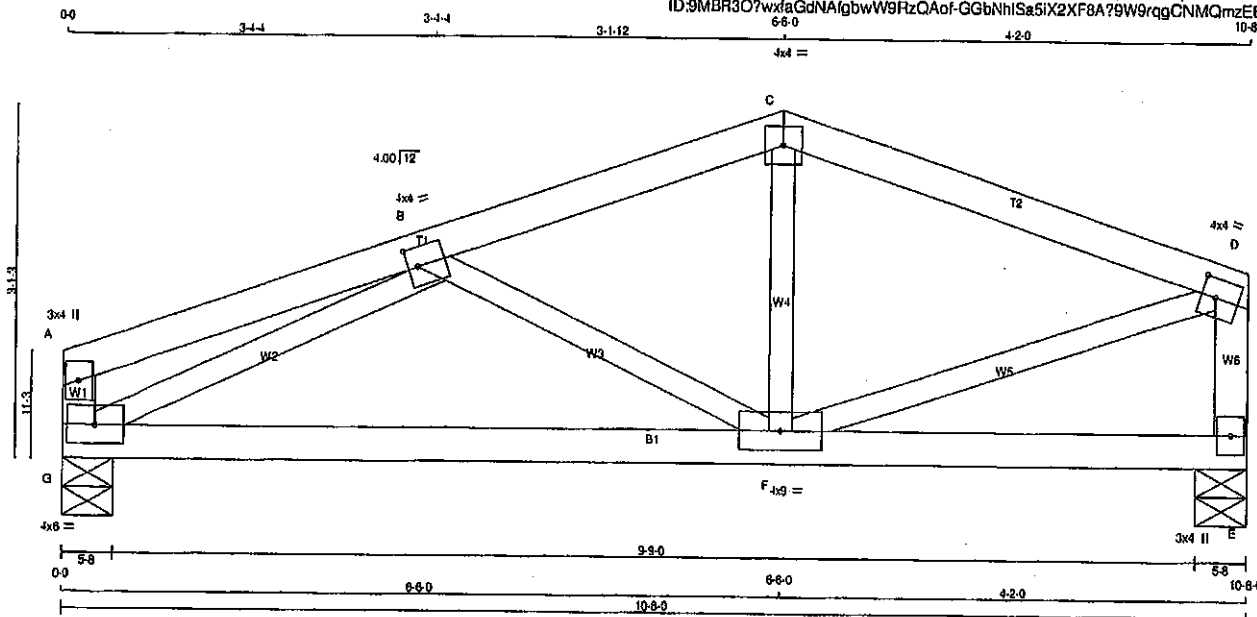


Structural component only
DWG# T-2006456

JOB NAME 408189	TRUSS NAME T55	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.310 S Oct 29 2019 MITek Industries, Inc. Fri Apr 17 08:28:26 2020 Page 1
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Scale = 1:18.6



TOTAL WEIGHT = 38 lb (M/F)

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

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	3.0	4.0		
B	TMWW-i	MT20	4.0	4.0	2.00	1.00
C	TTW-p	MT20	4.0	4.0		
D	TMVV-i	MT20	4.0	4.0	2.00	1.50
E	BMV1+p	MT20	3.0	4.0		
F	BMWW-i	MT20	4.0	9.0		
G	BMVW1-i	MT20	4.0	6.0		

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	RECORD
JT	VERT	GROSS REACTION	GROSS REACTION	BRG	BRG
E	588	0	588	0	5-8
G	588	0	588	0	5-8

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	416	273.0	0.0	0.0	0.0	143.0	0.0
G	416	273.0	0.0	0.0	0.0	143.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MAX. FACTORED		FACTORED		MAX. FACTORED		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX (LC)	MAX. UNBRAC	MEMB.	FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM	TO	LENGTH	FR-TO		
A-B	0/10	-91.8	-91.8 0.14 (1)	10.00	B-F	-269 0	0.07 (1)
B-C	-598/0	-91.8	-91.8 0.11 (1)	6.25	F-C	0 83	0.03 (4)
C-D	-588/0	-91.8	-91.8 0.21 (1)	6.25	G-B	-895 0	0.22 (1)
G-A	-121/0	0.0	0.0 0.01 (1)	7.81	F-D	0 587	0.13 (1)
E-D	-565 0	0.0	0.0 0.08 (1)	7.81			
G-F	0/793	-18.5	-18.5 0.22 (4)	10.00			
F-E	0/0	-18.5	-18.5 0.17 (4)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, OBC 2012, ABC 2019
- PART 9 OF 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 26.6 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.36")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.36")
CALCULATED VERT. DEFL.(TL) = L/999 (0.08")

CSI: TC=0.21/1.00 (C-D:1), BC=0.22/1.00 (F-G:4),
WB=0.22/1.00 (B-G:1), SI=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.

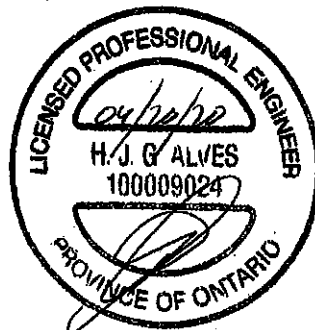
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX	MIN	MAX	MIN
MT20	818	354	1667
		788	1987
			1856

PLATE PLACEMENT TOL = 0.250 inches

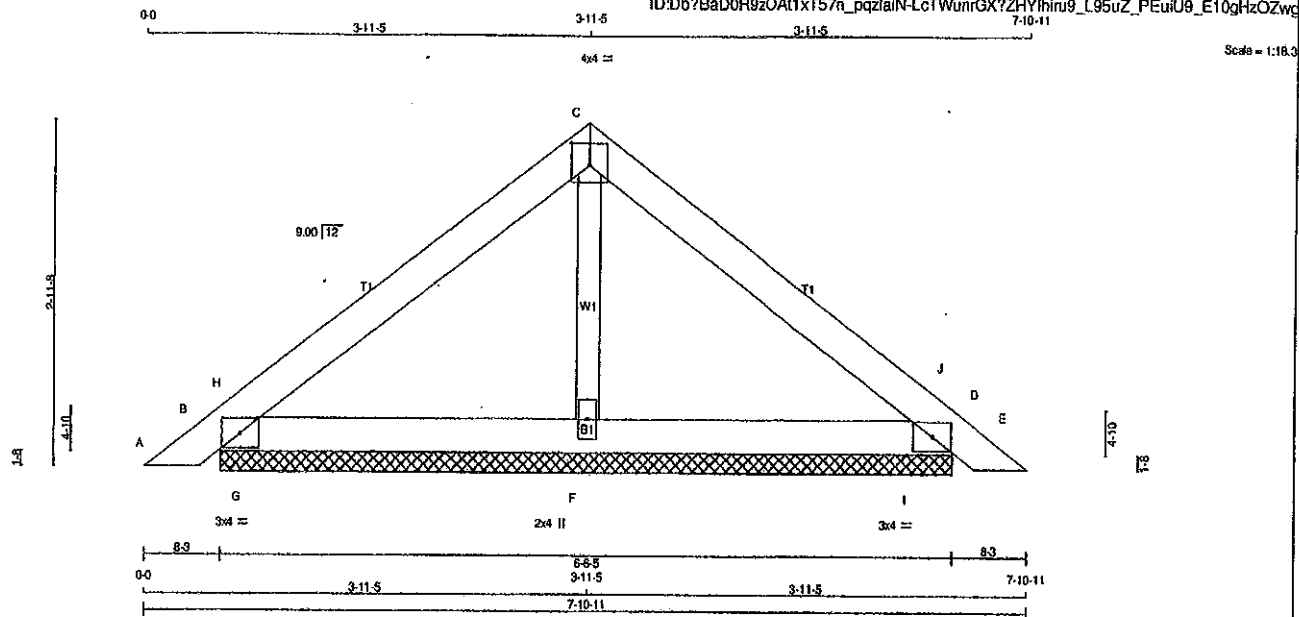
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP = 0.82 (D) (INPUT = 0.90)
JSI METAL = 0.29 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006457

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWGNO.
408187	PB1	15	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		TRUSS DESC.		Version 8.310 S Oct 29 2019 MTEK Industries, Inc. Tue Apr 21 07:53:55 2020 Page 1	



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

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

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

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX	IN-SX
B	282	0	282	0	0	8-8-5	8-8-5	8-8-5	8-8-5
D	282	0	282	0	0	8-8-5	8-8-5	8-8-5	8-8-5
F	265	0	265	0	0	8-8-5	8-8-5	8-8-5	8-8-5

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
B	197	142 / 0	0 / 0	0 / 0	0 / 0	56 / 0	0 / 0
D	197	142 / 0	0 / 0	0 / 0	0 / 0	56 / 0	0 / 0
F	180	111 / 0	0 / 0	0 / 0	0 / 0	78 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 15	-91.8	-91.8 0.02 (1)	10.00	F-C	-118 / 0	0.02 (1)
B-H	-26 / 0	-91.8	-91.8 0.06 (1)	6.25	G-H	-295 / 0	0.00 (1)
H-C	-118 / 0	-91.8	-91.8 0.11 (1)	6.25	I-J	-295 / 0	0.00 (1)
C-J	-118 / 0	-91.8	-91.8 0.11 (1)	6.25			
J-D	-26 / 0	-91.8	-91.8 0.06 (1)	6.25			
D-E	0 / 15	-91.8	-91.8 0.02 (1)	10.00			
B-G	0 / 88	-18.5	-18.5 0.12 (1)	10.00			
G-F	0 / 88	-18.5	-18.5 0.12 (1)	10.00			
F-I	0 / 88	-18.5	-18.5 0.12 (1)	10.00			
I-D	0 / 88	-18.5	-18.5 0.12 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 25.0 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.4 PSF
TOTAL LOAD	= 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

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

CSI: TC=0.11/1.00 (C-J:1), BC=0.12/1.00 (F-I:1), WB=0.02/1.00 (G-F:1), SS=0.22/1.00 (B-G:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

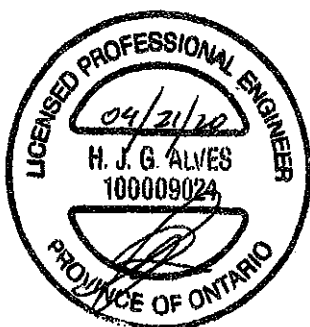
PLATE GRIP (DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354 1687 788 1987 1656	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.24 (B) (INPUT = 0.90)
JSI METAL = 0.08 (B) (INPUT = 1.00)

Structural component only
DWG# T-2006619

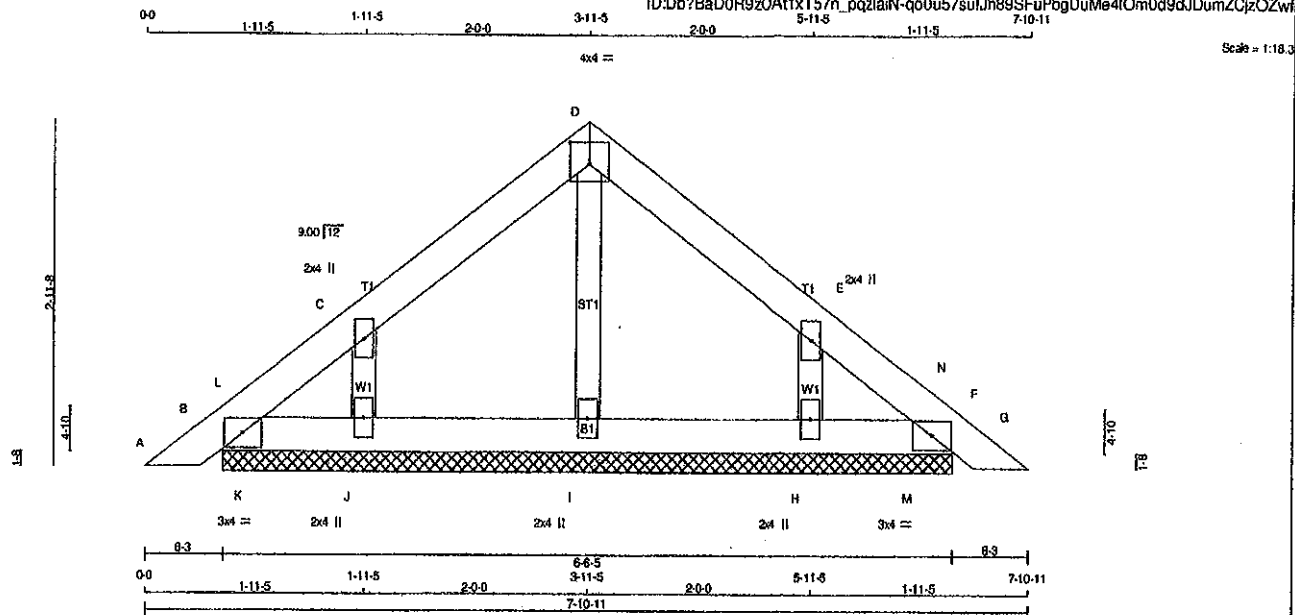


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408187	PB1G	2	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

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ID:Db7BaD0R9z0AttXt57n_pqzlaiN-qo0u57uLjh89SFuPbgDuMe4lOm0d9dJumZCjzOZwf



TOTAL WEIGHT = 2 X 22 = 43 lb

LUMBER	CHORDS	SIZE	DRY	LUMBER	DESCR.
N. L. G. A. RULES	A - D	2x4	DRY	No.2	SPF
	D - G	2x4	DRY	No.2	SPF
	B - F	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 (tablets in inches)	JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0			
C	TMB1-w	MT20	2.0	4.0			
D	TMB1-p	MT20	4.0	4.0	2.25	2.00	
E	TMB1-w	MT20	2.0	4.0			
F	TMB1-I	MT20	3.0	4.0			
H, I, J	BMW1-w	MT20	2.0	4.0			

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0/15	-91.8 -91.8 0.02 (1)	10.00	I-D	-119/0	0.02 (1)	
B-L	-64/0	-91.8 -91.8 0.00 (1)	6.25	J-C	-188/0	0.03 (1)	
L-C	-27/0	-91.8 -91.8 0.05 (1)	6.25	H-E	-188/0	0.03 (1)	
C-D	-42/0	-91.8 -91.8 0.05 (1)	6.25	K-L	0/6	0.00 (1)	
D-E	-42/0	-91.8 -91.8 0.05 (1)	6.25	M-N	0/6	0.00 (1)	
E-N	-27/0	-91.8 -91.8 0.00 (1)	6.25				
N-F	-64/0	-91.8 -91.8 0.00 (1)	6.25				
F-G	0/15	-91.8 -91.8 0.02 (1)	10.00				
B-K	0/42	-18.5 -18.5 0.01 (1)	10.00				
K-J	0/42	-18.5 -18.5 0.01 (4)	10.00				
J-I	0/25	-18.5 -18.5 0.02 (4)	10.00				
I-H	0/25	-18.5 -18.5 0.02 (4)	10.00				
H-M	0/42	-18.5 -18.5 0.01 (4)	10.00				
M-F	0/42	-18.5 -18.5 0.01 (1)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2010, OBC 2012, ABC 2010
- 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=0.05/1.00 (D-E:1), EC=0.02/1.00 (I-J:4), WB=0.03/1.00 (C-J:1), SS=0.07/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

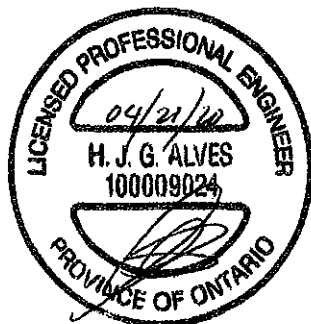
PLATE GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1667 788 1987 1858

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

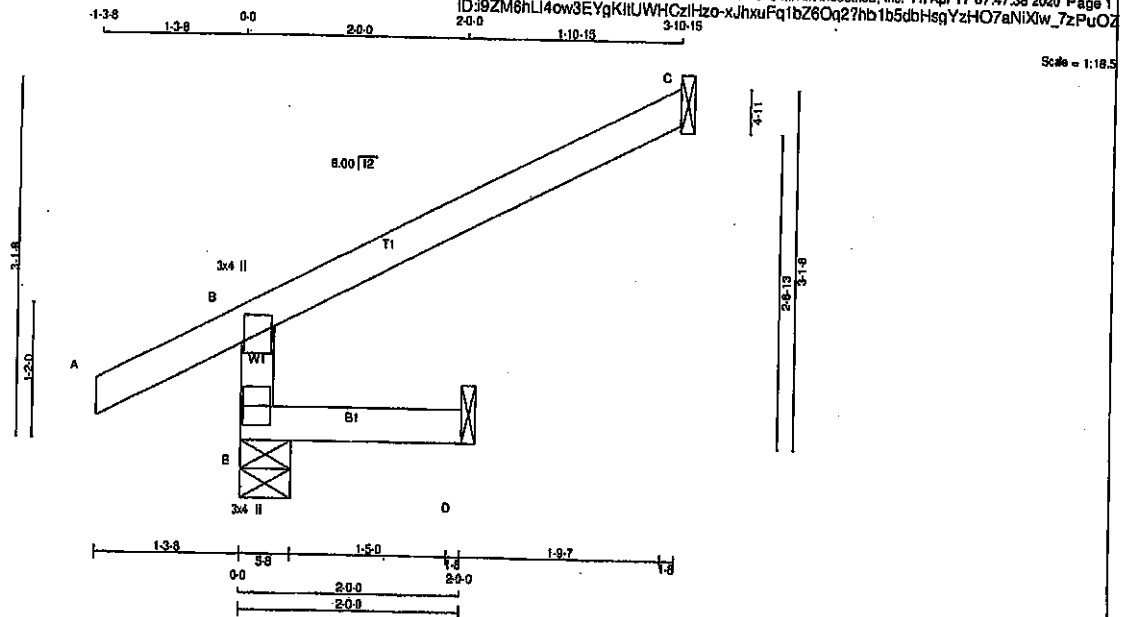
JSI GRIP = 0.13 (E) (INPUT = 0.90)
JSI METAL = 0.10 (C) (INPUT = 1.00)

Structural component only
DWG# T-2006620



[illegible]

JOB NAME 408204	TRUSS NAME J2	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.310 S Oct 29 2019 MITek Industries, Inc. Fri Apr 17 07:47:38 2020 Page 1	
ID:39ZM6hL14ow3EYgKilUWHCziHzo-xJhxFq1bZ6Oq27hb1b5dbHsqYzHO7aNIxw_7zPuOZ					



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

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	GROSS REACTION	GROSS REACTION	DOWN	HORZ	UPLIFT	BRG	BRG
E	369	0	369	0	0	5-8	5-8
C	135	0	135	0	0	1-8	1-8
D	16	0	16	0	0	1-8	1-8

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

UNFACTORED REACTIONS		1ST CASE		MAX/MIN. COMPONENT REACTIONS	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND
E	258	194/0	0/0	0/0	0/0
C	93	75/0	0/0	0/0	0/0
D	13	0/0	0/0	0/0	0/0

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

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

LOADING
TOTAL LOAD CASES: (5)

CHORDS		MAX. FACTORED		WEBS	
MEMB.	FORCE	VERT. LOAD	LC1 MAX	MEMB.	MAX. FACTORED
FR-TO	(LBS)	(PLF)	CSI (LC)	FR-TO	FORCE MAX
E-B	-349/0	0.0	0.0 0.01 (4)	7.81	
A-B	0/28	-91.8	-91.8 0.13 (5)	10.00	
B-C	-20/0	-91.8	-91.8 0.24 (1)	8.25	
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 = 30 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. O.C.

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

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

DESIGN ASSUMPTIONS
OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL. (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=0.24/1.00 (B-C:1), BC=0.02/1.00 (D-E:4), WB=0.00/1.00 (n/a:0), SS=0.16/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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 1687 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

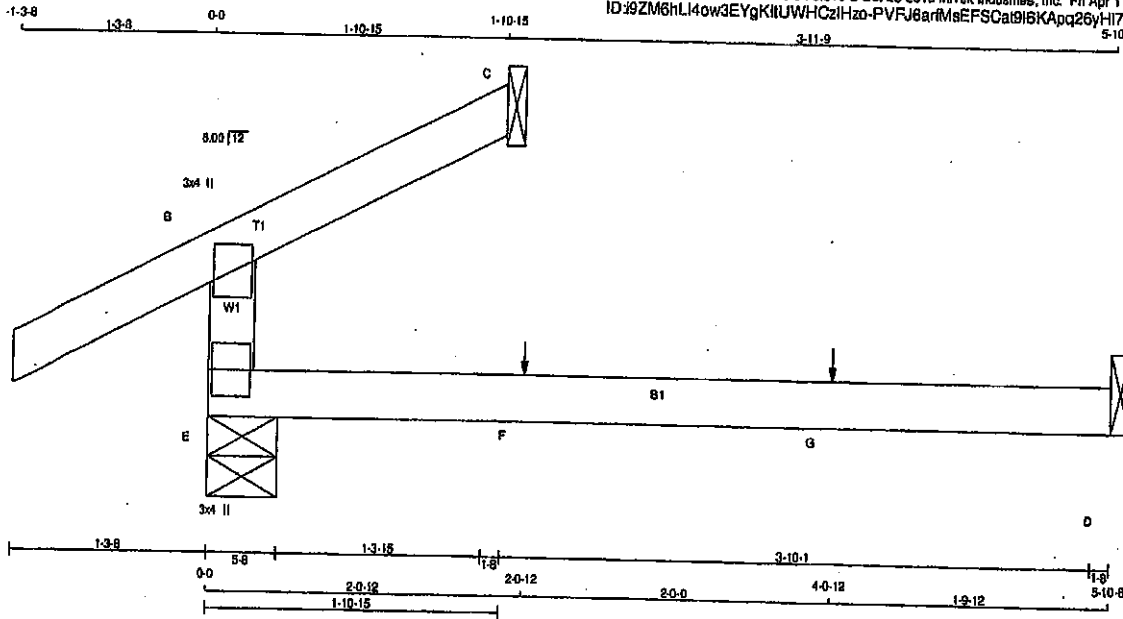
JSI GRIP= 0.15 (E) (INPUT = 0.90)
JSI METAL= 0.10 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006371

JOB NAME 408204	TRUSS NAME J3	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:9ZM6hL4ow3EYgKIUWHCziHzo-PVFJ6arMsEFScat9l8KAq26yH17aqWwBVTWazPuOY



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

DRY, SEASONED LUMBER.

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

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

BEARINGS		FACTORED	MAXIMUM FACTORED	INPUT	REQD
JT	VERT	GROSS REACTION	GROSS REACTION	BRG	BRG
E	297	0	297	0	5-8
C	66	0	66	0	1-8
D	45	0	50	0	1-8

SEE MITEK STANDARD DETAIL B87781H FOR CONNECTION TO JOINT(S) E, C

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	212	130.0	0.0	0.0	0.0	82.0	0.0
C	45	37.0	0.0	0.0	0.0	9.0	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 = 10.00 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS	
MEMB.	FORCE (LBS)	VERT. LOAD (PL)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO		FROM TO	LENGTH FR-TO		
E-B	-234.0	0.0	0.0 0.13 (4)	7.61	
A-B	0.28	-91.8	-91.8 0.12 (1)	10.00	
B-C	-10.0	-91.8	-91.8 0.06 (1)	10.00	
E-F	0.0	-18.5	-18.5 0.13 (4)	10.00	
F-G	0.0	-18.5	-18.5 0.13 (4)	10.00	
G-D	0.0	-18.5	-18.5 0.13 (4)	10.00	

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX.	FACE	D/R.	TYPE	HEEL	CONN.
F	2-0-12	1	1	---	BACK	VERT	TOTAL	---	C1
G	4-0-12	1	1	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

TOTAL WEIGHT = 3 X 12 = 36 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, NBCG 2015

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

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=0.13/1.00 (B-E:4), BC=0.13/1.00 (D-E:4), WB=0.00/1.00 (n/a:0), SSI=0.02/1.00 (A-B:1)

DOL LUMBER=0.99 NAIL=0.99 LS BEND=1.10
COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

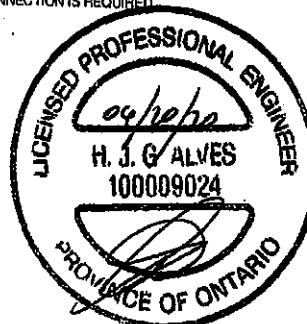
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.10 (E) (INPUT = 0.90)
JSI METAL = 0.07 (B) (INPUT = 1.00)



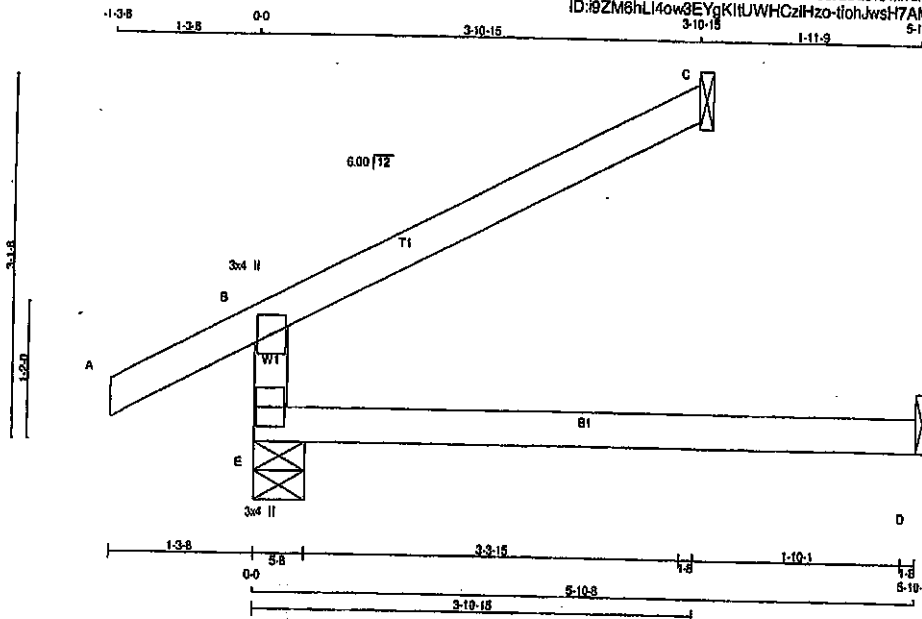
Structural component only
DWG# T-2006372

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408204	J4	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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ID:192M6hLI4ow8EYgKIUJWHCzH-zo-tloHJwsH7AM64M94ISdZi0MCAMd_s13g9rE120zPuOX

Scale = 1:18.2



LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER
E - B	2x4	DRY
A - C	2x4	DRY
E - D	2x4	DRY

DRY: SEASONED LUMBER.

PLATES (table in inches)

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	RECORD BRG
	VERT	HORZ	DOWN	HORZ		
E	412	0	412	0	5-8	5-8
C	135	0	135	0	1-8	1-8
D	45	0	50	0	1-8	1-8

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

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	291	194 / 0	0 / 0	0 / 0	0 / 0	97 / 0	0 / 0
C	93	75 / 0	0 / 0	0 / 0	0 / 0	18 / 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 = 8.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD		MAX. UNBRACED LENGTH	FR-TO
		FROM	TO		
E-B	-349 / 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	-20 / 0	-91.8	-91.8	0.24 (1)	6.25
E-D	0 / 0	-18.5	-18.5	0.13 (4)	10.00

TOTAL WEIGHT = 3 X 14 = 42 LBS

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" IN/C

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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) = $L/899$ (0.00")
ALLOWABLE DEFL. (TL) = $L/360$ (0.20")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.03")

CSK TC=0.24/1.00 (B-C:1), BC=0.13/1.00 (D-E:4),
WB=0.00/1.00 (A:0), SS=0.16/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

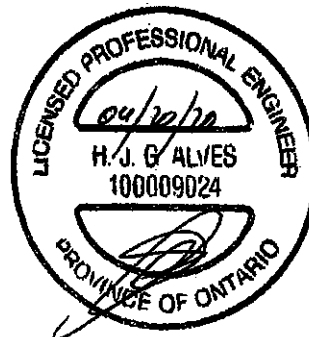
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

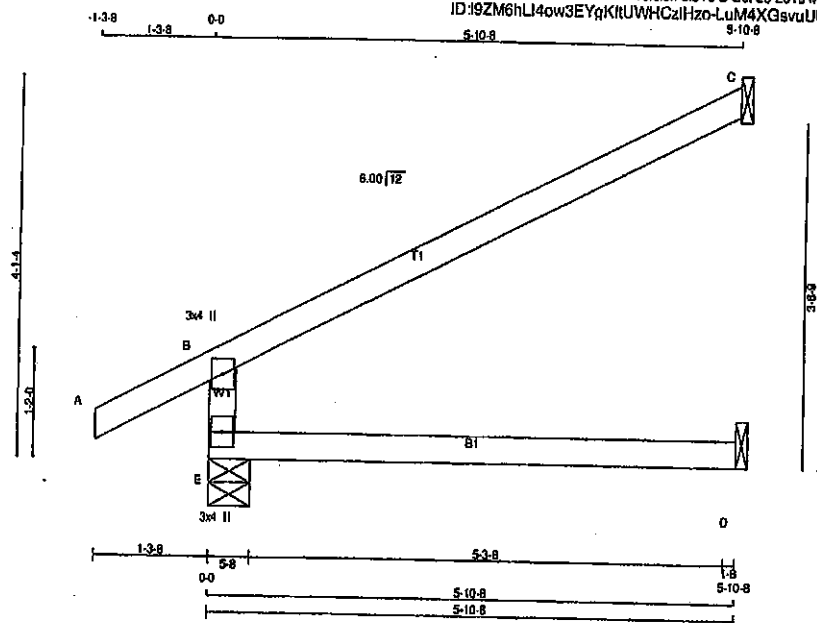
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.15 (E) (INPUT = 0.90)
JSI METAL = 0.10 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006272

JOB NAME 408204	TRUSS NAME J5	QUANTITY 9	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Floor Truss, Burlington					



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	REQRD BRG
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
E	525	0	525	0	0	5-8	5-8
C	202	0	202	0	0	1-8	1-8
D	45	0	50	0	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97781H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS	1ST LCASE	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
JT	COMBINED						
E	369	257.0	0.0	0.0	0.0	111.0	0.0
C	139	113.0	0.0	0.0	0.0	26.0	0.0
D	36	0.0	0.0	0.0	0.0	36.0	0.0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBB			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM TO			FR-TO		
E-B	-461.0	0.0	0.13 (4)	7.81			
A-B	0.28	-91.8	-91.8 0.12 (1)	10.00			
B-C	-30.0	-91.8	-91.8 0.54 (1)	6.25			
E-D	0.0	-18.5	-18.5 0.13 (4)	10.00			

TOTAL WEIGHT = 9 X 17 = 151 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. OC

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015, CBC 2012, ABC 2010
- PART 9 OF CBC 2012 (2015 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIG 2011, TPIG 2014

DESIGN ASSUMPTIONS
- OVERHANG NOT TO BE ALTERED OR CUT OFF.
(55% OF 31.3 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

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 (0.00")

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

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

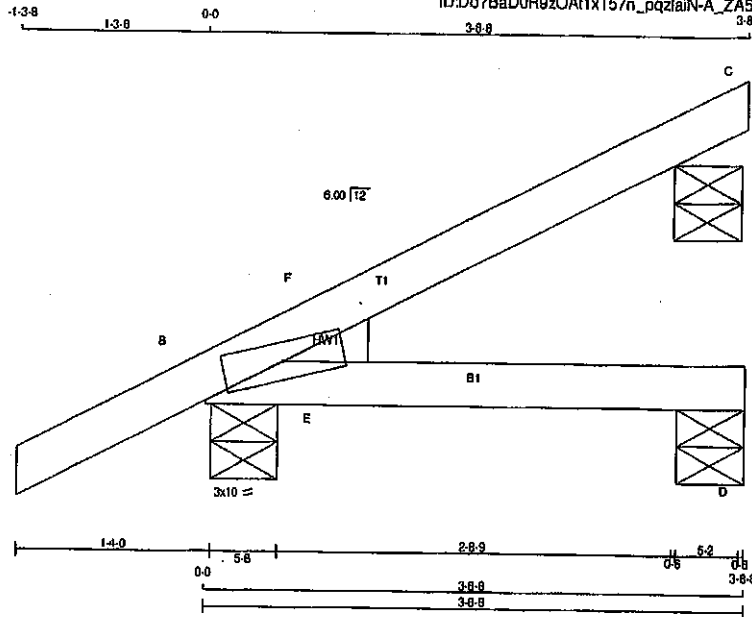


Structural component only
DWG# T-2006374

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408187	J6	7	1	TRUSS DESC.		

Tamarack Road Truss, Burlington

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Scale = 1:14.2

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

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG	HEEL WEDGE
	VERT	HORZ	DOWN	HORZ			
C	142	0	142	0	5-8	5-8	
B	329	0	329	0	5-8	5-8	2x4 L
D	62	0	62	0	5-8	5-8	

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

UNFACTORED REACTIONS

JT	COMBINED	1ST LOASE		MAX. MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
		SNOW	LIVE	PERM. LIVE	LIVE			
C	99	76.0	0.0	0.0	0.0	0.0	23.0	0.0
B	230	164.0	0.0	0.0	0.0	0.0	88.0	0.0
D	46	19.0	0.0	0.0	0.0	0.0	27.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS				WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CS1 (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM TO			FR-TO			
A-B	0.28	-91.8	-91.8	0.13 (5)	10.00	E-F	-123.3	0.00 (1)
B-F	-17.0	-91.8	-91.8	0.05 (4)	6.25			
F-C	0.5	-91.8	-91.8	0.15 (1)	10.00			
B-E	0.0	-18.5	-18.5	0.14 (1)	10.00			
E-D	0.0	-18.5	-18.5	0.14 (1)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 7 X 11 = 80 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 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/899 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/899 (0.03")

CSI: TC=0.15/1.00 (C-F:1), 8C=0.14/1.00 (D-E:1),
WB=0.00/1.00 (E-F:1), SSI=0.10/1.00 (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

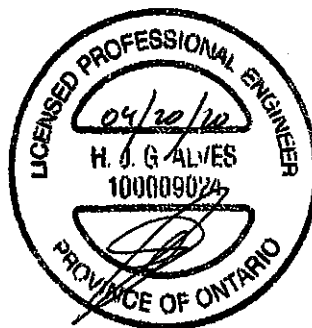
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.09 (B) (INPUT = 0.90)
JSI METAL = 0.02 (B) (INPUT = 1.00)

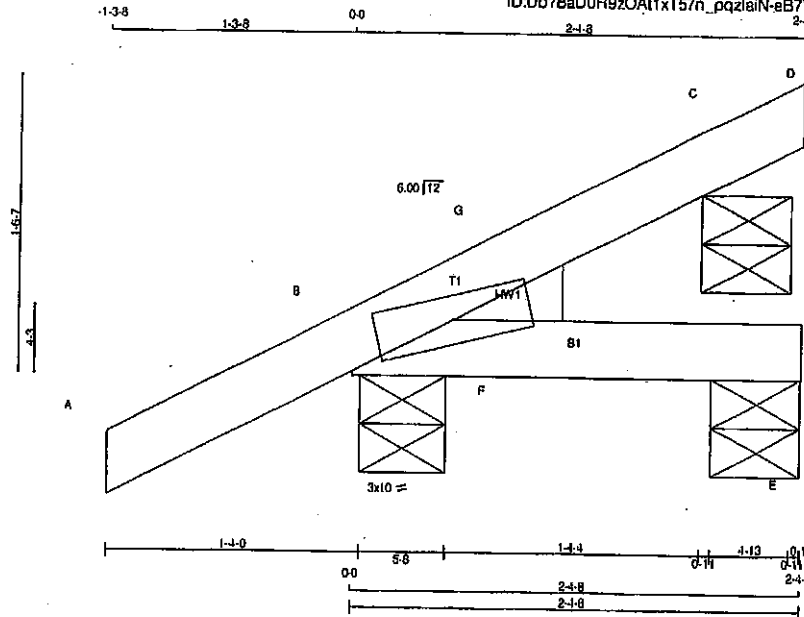


Structural component only
DWG# T-2006421

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
408187	J7	3	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale = 1:11.0

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

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

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX	HEEL WEDGE 2x4 L
	VERT	HORZ	DOWN	HORZ			
B	244	0	244	0	5-8	5-8	
E	38	0	38	0	5-8	5-8	
C	112	0	112	0	5-8	5-8	

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

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	170	124.0	0.0	0.0	0.0	48.0	0.0
E	27	11.0	0.0	0.0	0.0	18.0	0.0
C	78	59.0	0.0	0.0	0.0	19.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED L _C (LBS)	MAX. FACTORED C _S (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED C _S (LBS)		
FR-TO		FROM TO			FR-TO				
A-B	0.26	-91.8	-91.8	0.12 (5)	10.00	F-G	-40.78	0.00 (1)	
B-G	-16.0	-91.8	-91.8	0.04 (1)	6.25				
G-C	0.10	-91.8	-91.8	0.05 (1)	10.00				
C-D	-7.0	-91.8	-91.8	0.01 (1)	10.00				
B-F	0.0	-18.5	-18.5	0.05 (1)	10.00				
F-E	0.0	-18.5	-18.5	0.05 (1)	10.00				

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 3 X 8 = 25 LB

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL) = L/360 (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:5), BC=0.05/1.00 (E-F:1), WB=0.00/1.00 (F-G: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

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= 0.05 (B) (INPUT = 0.50)
JSI METAL= 0.01 (B) (INPUT = 1.00)

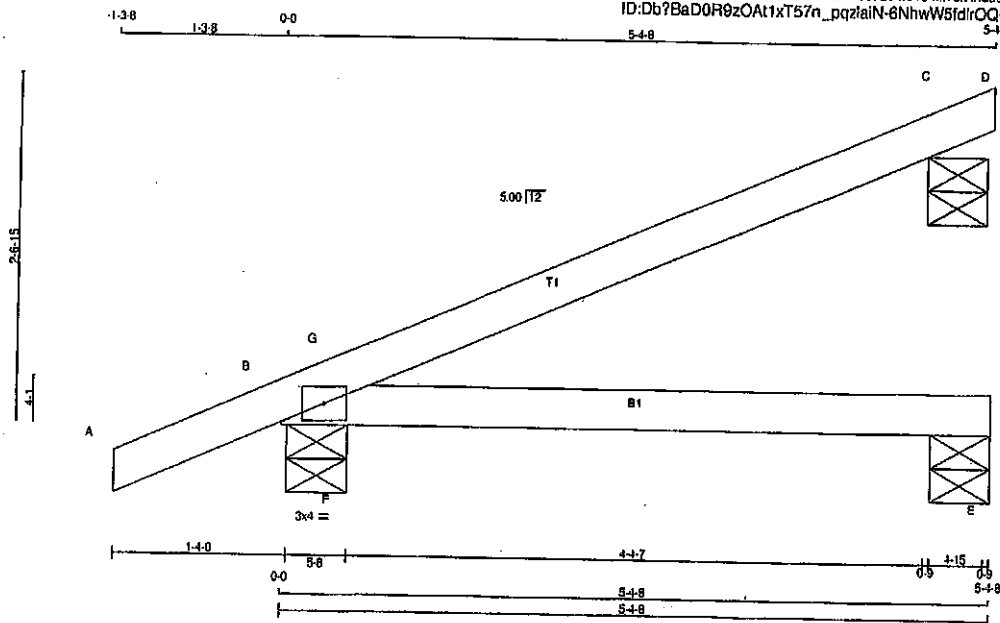


Structural component only
DWG# T-2006422

JOB NAME 408187	TRUSS NAME J8	QUANTITY 7	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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Scale = 1:15.7



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

DRY: SEASONED LUMBER.

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

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		
B	409	0	409	0	5-8	5-8
E	76	0	76	0	5-8	5-8
C	237	0	237	0	5-8	5-8

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

UNFACTORED REACTIONS

JT	1ST CASE		MAX. MIN. COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
B	287	200.0	0.0	0.0	0.0	86.0	0.0
E	57	19.0	0.0	0.0	0.0	38.0	0.0
C	184	128.0	0.0	0.0	0.0	38.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	LC1 MAX CSI (LC)	MAX. UNBRAC	MEMB.	MAX. FACTORED FORCE (LBS)	MAX FACTORED CSI (LC)
FR-TO		FROM TO		LENGTH	FR-TO		
A-B	0.23	-91.8	-91.8 0.12 (1)	10.00			
B-G	-28.22	-91.8	-91.8 0.08 (4)	6.25	F-G	-289 23	0.00 (1)
G-C	-2.2	-91.8	-91.8 0.32 (1)	10.00			
C-D	6 0	-91.8	-91.8 0.01 (1)	10.00			
B-F	0 0	-18.5	-18.5 0.20 (1)	10.00			
F-E	0 0	-18.5	-18.5 0.21 (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" IN. G/G

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

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

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

ALLOWABLE DEFL. (LL) = L/380 (0.19")
CALCULATED VERT. DEFL. (LL) = L/899 (0.04")
ALLOWABLE DEFL. (TL) = L/380 (0.19")
CALCULATED VERT. DEFL. (TL) = L/709 (0.09")

CSI: TC=0.32/1.00 (C-G:1), BC=0.21/1.00 (E-F:1), WB=0.00/1.00 (F-G:1), SS=0.24/1.00 (B-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

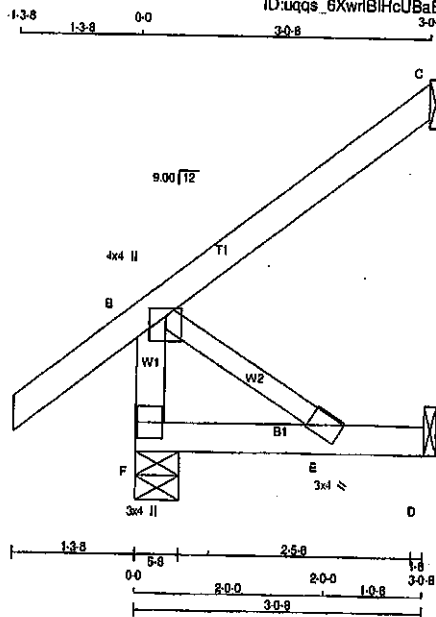
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.29 (B) (INPUT = 0.90)
JSI METAL= 0.07 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006423

JOB NAME 408188	TRUSS NAME J30	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



Scale = 1:21.8

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

PLATES (table in inches)	W	LEN	Y	X
JT TYPE PLATES				
B TMVW+p	MT20	4.0	4.0	1.00 2.00
E BMVW+p	MT20	3.0	4.0	
F BMV1+p	MT20	3.0	4.0	

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

BEARINGS	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	RECORD BRG
JT	VERT	HORZ	DOWN	HORZ
F	294	0	294	0
C	140	0	140	0
D	28	0	32	0

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

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
JT COMBINED	SNOW	LIVE	PERM. LIVE	
F	208	148	0	0
C	98	78	0	0
D	23	0	0	0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	MAX. CS1 (LC)	UNBRAC LENGTH	FR-TO	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
F-B	-268	0	0.0	0.0	0.03 (1)	7.81	B-E	0	0.00 (1)
A-B	0	38	-91.8	-91.8	0.13 (5)	10.00			
B-C	0	0	-91.8	-91.8	0.14 (1)	10.00			
F-E	0	0	-18.5	-18.5	0.05 (4)	10.00			
E-D	0	0	-18.5	-18.5	0.05 (4)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 4 X 13 = 52 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. CC

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

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

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.6 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 (E-F:4), WB=0.00/1.00 (B-E:1), SS=0.09/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

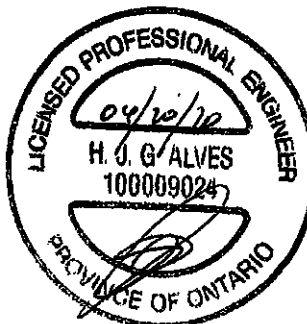
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES	PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
	MAX	MIN	MAX
MT20	618	354	1887 788 1987 1555

PLATE PLACEMENT TOL. = 0.250 inches

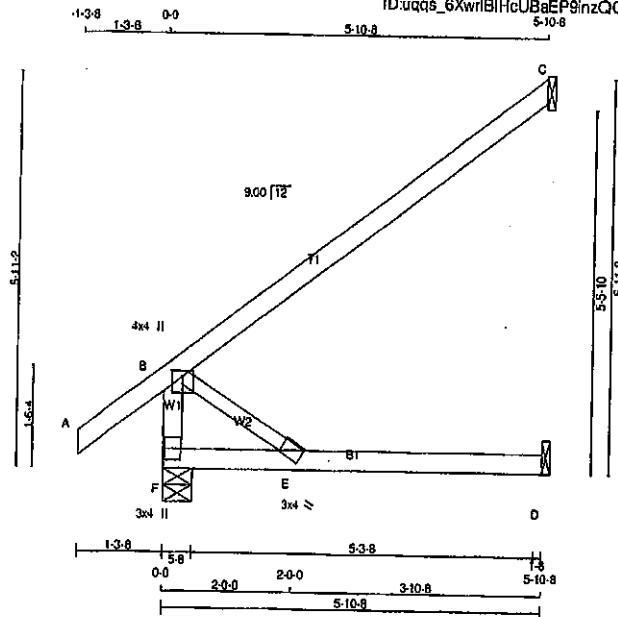
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.21 (B) (INPUT = 0.90)
JSI METAL= 0.05 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006435

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408188	J31	4	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
Version 8.310 S Oct 29 2019 MTek Industries, Inc. Fri Apr 17 08:26:08 2020 Page 1					
ID:uqqs_6XwrlBIHcUBaEP9inzQC9m-Mk8SIQmm3huvkIRGoi7KAJICXwbAzb5Qdr2_MzPlqV					
Scale: 3/8"=1'					



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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	4.0	1.00 2.00
E	BMVW+w	MT20	3.0	4.0	
F	BMV1+p	MT20	3.0	4.0	

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

FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
GROSS REACTION		GROSS REACTION		BRG		BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
F	450	0	450	0	0	5-8	5-8
C	270	0	270	0	0	1-8	1-8
D	54	0	51	0	0	1-8	1-8

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

UNFACTORED REACTIONS		MAX. MIN. COMPONENT REACTIONS	
1ST LOASE	SNOW	LIVE	PERM. LIVE
JT	COMBINED		
F	318	221.0	0.0
C	188	150.0	0.0
D	43	0.0	0.0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	FORCE (LBS)
FR-TO		FROM TO	UNBRACED LENGTH FR-TO		
F-B	-398.0	0.0	0.0 0.04 (1)	B-E	0.0
A-B	0.38	-91.8	-91.8 0.12 (1)		
B-C	0.0	-91.8	-91.8 0.54 (1)		
F-E	0.0	-18.5	-18.5 0.17 (4)		
E-D	0.0	-18.5	-18.5 0.19 (4)		

TOTAL WEIGHT = 4 X 20 = 81 LB

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

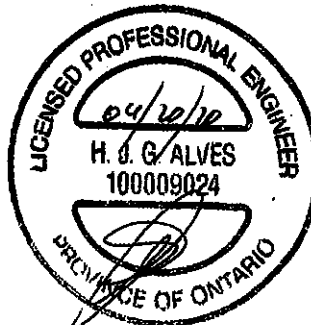
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1067 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.32 (B) (INPUT = 0.30)
JSI METAL= 0.08 (B) (INPUT = 1.00)



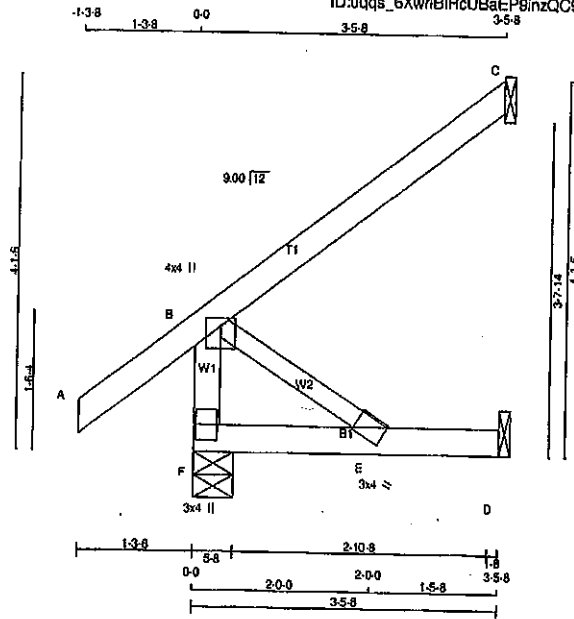
Structural component only
DWG# T-2006436

JOB NAME 408188	TRUSS NAME J32	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamereck Roof Truss, Burlington

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Scale = 1:23.3



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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	4.0	1.00 2.00
E	BMVW+p	MT20	3.0	4.0	
F	BMV1+p	MT20	3.0	4.0	

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

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
JT		VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX
F		317	0	317	0	0	5-8	5-8	
C		159	0	159	0	0	1-8	1-8	
D		32	0	38	0	0	1-8	1-8	

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

UNFACTORED REACTIONS		MAX. MIN. COMPONENT REACTIONS		WIND		DEAD		SOIL	
JT	1ST LOASE	COMBINED	SNOW	LIVE	PERM. LIVE				
F	222	159.0	0.0	0.0	0.0	0.0	63.0	0.0	0.0
C	109	88.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0
D	26	0.0	0.0	0.0	0.0	0.0	26.0	0.0	0.0

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

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)	MAX. CSI (LC)
FR-TO		FROM TO		LENGTH FR-TO			
F-B	-285.0	0.0	0.0	0.03 (1)	7.81	9-E	0.0 (1)
A-B	0.38	-91.8	-91.8	0.14 (5)	10.00		
B-C	0.0	-91.8	-91.8	0.19 (1)	10.00		
F-E	0.0	-18.5	-18.5	0.06 (4)	10.00		
E-D	0.0	-18.5	-18.5	0.06 (4)	10.00		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 4 X 14 = 56 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN./C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF 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 6.4 P.S.F. RAIN LOAD) EQUALS 25.8 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.19/1.00 (B-C:1), BC=0.06/1.00 (E-F:4), WB=0.00/1.00 (B-E:1), SSI=0.10/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.23 (B) (INPUT = 0.90)
JSI METAL = 0.06 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006437

JOB NAME

TRUSS NAME

QUANTITY

PLY

JOB DESC.

ORWG NO.

408188

J33

1

1

TRUSS DESC.

Tamarack Roof Truss, Burlington

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ID:uqqs_6XwifBIHcUBaEP9lnzQC9m-mvqbwSoeLcHUBcArTuZ1oxVla7lmNKhX8a3lbhzPtqs

Scale = 1:19.0

LUMBER

N. L. G. A. RULES

CHORDS SIZE

DRY

No.2

DESCR.

SPF

SPF

SPF

ALL WEBS 2x3 DRY No.2 SPF

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.00	2.00
E	BMVW+p	MT20	3.0	4.0		
F	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	UP	IN-SX
F	366	0	0	5-8
D	21	0	0	1-8

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

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED
F	254
D	17

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 PLATE BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (5)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED LENGTH (FT)
FR-TO	F-B	-345 / 0	0.0	0.0	0.04 (1)	7.31
	A-B	0 / 38	-91.8	-91.8	0.13 (5)	10.00
	B-C	-65 / 0	-91.8	-91.8	0.36 (1)	6.25
	F-E	0 / 0	-18.5	-18.5	0.03 (4)	10.00
	E-D	0 / 0	-18.5	-18.5	0.02 (4)	10.00

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.6 PSF

DL = 8.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

PART 9 OF BCBC 2018, CBC 2012, ABC 2019

PART 9 OF CBC 2012 (2019 AMENDMENT)

CSA 088-09, CSA 088-14

TPIC 2011, TPIC 2014

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

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

CALCULATED VERT. DEFL.(LL) = U/999 (0.00")

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

CALCULATED VERT. DEFL.(TL) = U/999 (0.00")

CSI: TC=0.38/1.00 (B-C:1), BC=0.03/1.00 (E-F:4), WB=0.00/1.00 (B-E:1), SS=0.14/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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 (PSD) (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= 0.27 (B) (INPUT = 0.90)

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

TOTAL WEIGHT = 11 lb

(M)

LICENSED PROFESSIONAL ENGINEER

H. J. G. ALVES

100009024

PROVINCE OF ONTARIO

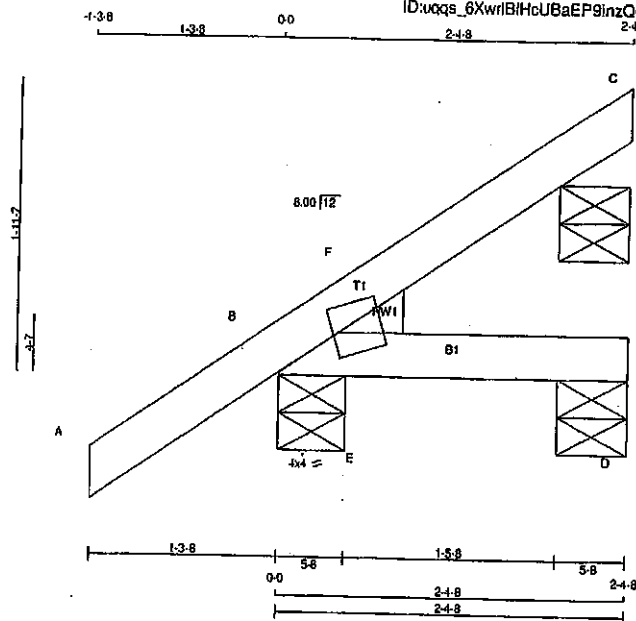
Structural component only

DWG# T-2006438

(Tamarack Roof Truss, Burlington)

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Scale = 1:14.2



<u>PLATES (table is in inches)</u>						
JT	TYPE	PLATES	W	LEN	Y	X
B	TMBH1-m	MT20	4.0	4.0	2.00	0.50

TOTAL WEIGHT = 6 X 8 = 51 lb

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INFUT BRG	REQRD BRG	HEEL WEDGE
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
C	89	0	89	0	0	5-8	5-8	
B	257	0	257	0	0	5-8	5-8	2x4 L
D	42	0	42	0	0	5-8	6-8	

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

UNFACTORED REACTIONS

IST CASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	82	47.0	0.0	0.0	0.0	14.0	0.0
B	179	131.0	0.0	0.0	0.0	48.0	0.0
D	31	13.0	0.0	0.0	0.0	18.0	0.0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) C, E, 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: (5)

CHORDS				WEBBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO		FR-TO			
A-B	0.34	-91.8	0.13 (5)	10.00	E-F	-75.0	0.00 (1)
B-F	-15.0	-91.8	-0.18 (2)	6.25			
F-C	0.5	-91.8	-0.02 (1)	10.00			
B-E	0.0	-18.5	-18.5 0.06 (1)	10.00			
E-D	0.0	-18.5	-18.5 0.06 (1)	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 CBC 2018 , CBC 2012 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

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

CSI: TC=0.13/1.00 (A-B:5) , BC=0.06/1.00 (B-E:1) ,
WB=0.00/1.00 (E-F: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

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

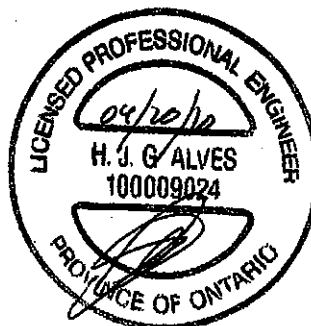
NAIL VALUES					
PLATE	GRIP (DRY)		SHEAR		SECTION
	(PSI)		(PLI)		(PLI)
	MAX	MIN	MAX	MIN	MAX MIN
MT20	818	354	1867	788	1987 1658

PLATE PLACEMENT TOL. = 0.250 inches

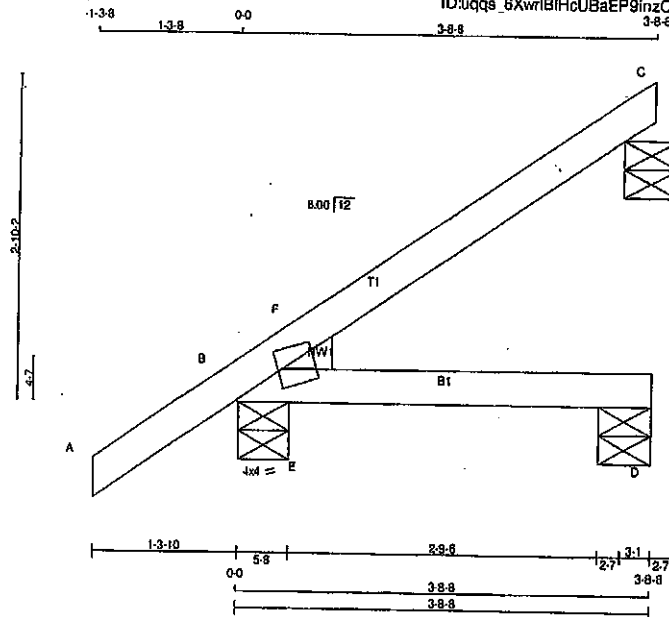
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.16 (B) (INPUT = 0.90)
JSI METAL= 0.04 (B) (INPUT = 1.00)

Structural component only
DWG# T-2006439



JOB NAME 408188	TRUSS NAME J35	QUANTITY 4	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRAUSS DESC.		Version 8.310 S Oct 29 2019 MITak Industries, Inc. Fri Apr 17 08:26:11 2020 Page 1 ID:uqq5_6XwrlBfHcUBaEP9inzQC9m-jlxLL8qutEXCqWKEbJbVIMa8HxMZrEBqZuYpIzZPlqC	



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

PLATES (table is in inches)					
JT TYPE	PLATES	W	LEN	Y	X
B	TMBH1-m	MT20	4.0	4.0	2.00 0.50

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

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG	HEEL WEDGE
JT	VERT	DOWN	UP	IN-SX	
C	144	0	0	5-8 (3-1)	5-8
B	330	0	0	5-8	5-8
D	61	0	0	5-8	5-8

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

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

UNFACTORED REACTIONS

JT	1ST LOASE COMBINED	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	99	77.0	0.0	0.0	0.0	0.0	22.0	0.0
B	231	165.0	0.0	0.0	0.0	0.0	68.0	0.0
D	45	18.0	0.0	0.0	0.0	0.0	27.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MAX. UNBRACED LENGTH FR-TO	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
FR-TO							
A-B	0.34	-91.8	-91.8	0.14 (6)	10.00	E-F	-155.0
B-F	-18.0	-91.8	-91.8	0.04 (4)	6.25		0.00 (1)
F-C	0.3	-91.8	-91.8	0.15 (1)	10.00		
B-E	0.0	-18.5	-18.5	0.14 (1)	10.00		
E-D	0.0	-18.5	-18.5	0.14 (1)	10.00		

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 4 X 12 = 47 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, CBC 2012, ABC 2019
- PART 9 OF CBC 2012 (2019 AMENDMENT)
- CSA 086-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

ALLOWABLE DEFL.(LL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.01")
ALLOWABLE DEFL.(TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.03")

CS1: TC=0.15/1.00 (C-F:1), BC=0.14/1.00 (B-E:1),
WB=0.00/1.00 (E-F:1), SS1=0.13/1.00 (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

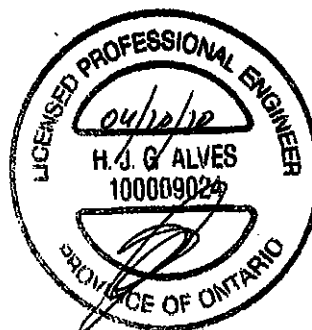
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 616 354 1667 789 1987 1666

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

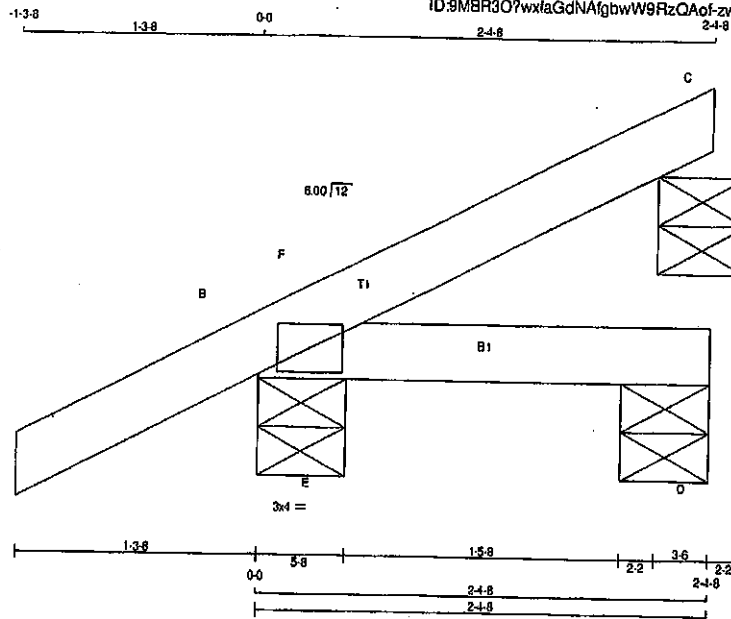
JSI GRIP= 0.22 (B) (INPUT = 0.90)
JSI METAL= 0.05 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006440

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408189	J51	6	1	GREEN PARK HOMES	
Tamarack Rd of Truss, Burlington				TRUSS DESC.	

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ID:9MBR3O?wxfaGdNAfgbwW9RzQAof-zwgkCvNBkZf1B86q5BuW3Mt1TX4oq7lg?pZa88zPloQ



Scale = 1:11.0

LUMBER
N.L.G.A. RULES
CHORDS SIZE LUMBER
A - C 2x4 DRY No.2
B - D 2x4 DRY No.2
DESCR. SPF
SPF
DRY: SEASONED LUMBER.
GABLE STUDS SPACED AT 2-0-0 OC.

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

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

BEARINGS

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

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): C
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: (6)

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	0.26	-91.8	-91.8 0.12 (5)	E-F	-95.2	0.00 (1)	
B-F	9.0	-91.8	-91.8 0.02 (4)				
F-C	0.2	-91.8	-91.8 0.06 (1)				
B-E	0.0	-18.5	-18.5 0.05 (1)				
E-D	0.0	-18.5	-18.5 0.05 (1)				

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 6 X 8 = 48 lb

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

(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:5), BC=0.05/1.00 (B-E:1), WB=0.00/1.00 (E-F: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

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 1667 1668

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.20 (B) (INPUT = 0.90)
JSI METAL = 0.04 (B) (INPUT = 1.00)



Structural component only
DWG# T-2008451

JOB NAME

408189

TRUSS NAME

J52

QUANTITY

4

PLY

1

JOB DESC.

GREEN PARK HOMES

DRWG NO.

Tamarack Roof Truss, Burlington

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Scale = 1:14.4

LUMBER

N. L. & A. RULES

CHORDS SIZE LUMBER

A - C 2x4 DRY No.2

B - D 2x4 DRY No.2

DRY: SEASONED LUMBER.

DESCR.

SPF

SPF

PLATES (table in inches)

JT TYPE PLATES W LEN Y X

B TM81-1 MT20 3.0 4.0

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG IN-SX	REQD BRG IN-SX
C	148 0	148 0	5-8 (2-15)	5-8
B	329 0	329 0	5-8	5-8
D	57 0	57 0	5-8	5-8

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

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

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
C	102	80 / 0	0 / 0	0 / 0	0 / 0	23 / 0	0 / 0	0 / 0
B	230	164 / 0	0 / 0	0 / 0	0 / 0	86 / 0	0 / 0	0 / 0
D	42	15 / 0	0 / 0	0 / 0	0 / 0	27 / 0	0 / 0	0 / 0

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSF (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSF (LC)	
FR-TO		FROM TO	LENGTH FR-TO	E-F			
A-B	0 / 28	-91.8 -91.8	0.13 (5)	10.00	-207 / 5	0.00 (1)	
B-F	-18 / 17	-91.8 -91.8	0.03 (4)	6.25			
F-C	-2 / 2	-91.8 -91.8	0.16 (1)	10.00			
B-E	0 / 0	-18.5 -18.5	0.12 (1)	10.00			
E-D	0 / 0	-18.5 -18.5	0.12 (1)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 4 X 11 = 43 lb

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 25.8 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.4 PSF

TOTAL LOAD = 39.0 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

PART 9 OF CBC 2018, OBC 2012, ABC 2019

PART 9 OF OBC 2012 (2019 AMENDMENT)

CSA 086-09, CSA 088-14

TPIC 2011, TPIC 2014

(55 % OF 31.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 25.8 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 (0.02")

CSI: TC=0.16/1.00 (C-F:1), BC=0.12/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SSI=0.17/1.00 (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) (PS) SHEAR (PLI) SECTION (PLI)

MAX MIN MAX MIN MAX MIN

MT20 618 354 1887 788 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.26 (B) (INPUT = 0.90)

JSI METAL= 0.06 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER

04/20/20

H.J.B. ALVES

100009024

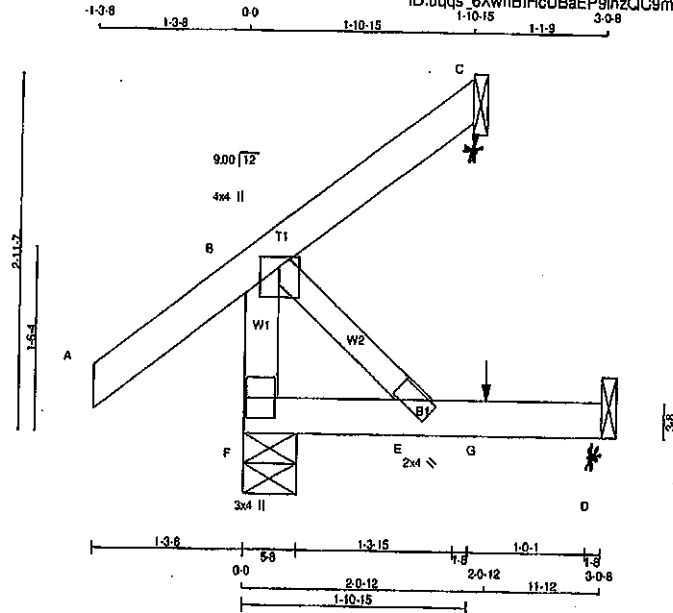
PROVINCE OF ONTARIO

Structural component only

DWG# T-2006452

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408188	C30	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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Scale = 1:17.6

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
GROSS REACTION		GROSS REACTION		GROSS REACTION		BRG		BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	BRG	IN-SX
F	288	0	288	0	0	5-8	5-8	5-8	5-8
C	42	0	42	0	.35	1-8	1-8	1-8	1-8
D	28	0	32	0	0	1-8	1-8	1-8	1-8

TOTAL WEIGHT = 2 X 11 = 22 k

PLATES (table in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW+p	MT20	4.0	4.0	1.00 2.00
E	BMVW+p	MT20	2.0	4.0	
F	BMV1+p	MT20	3.0	4.0	

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

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

UNFACTORED REACTIONS		MAX. MIN. COMPONENT REACTIONS		PERM. LIVE		WIND		DEAD		SOIL	
JT	COMBINED	1ST CASE	2ND CASE	3RD CASE	4TH CASE	5TH CASE	6TH CASE	7TH CASE	8TH CASE	9TH CASE	10TH CASE
F	201	145.0	0.0	0.0	0.0	0.0	0.0	57.0	0.0	0.0	0.0
C	29	23.25	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
D	23	0.0	0.0	0.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0

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

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS		FACTORED		WEBS		MAX. FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (LBS)	MAX. (LBS)	MEMB.	FORCE (LBS)	MAX. (LBS)	MAX. (LBS)
FR-TO		FROM TO		FR-TO			
F-B	-280.0	0.0	0.0 (1)	B-E	0.0	0.0 (1)	
A-B	0.38	-91.8	-91.8 (5)				
B-C	-27.0	-91.8	-91.8 (5)				
F-E	0.0	-18.5	-18.5 (4)				
E-G	0.0	-18.5	-18.5 (4)				
G-D	0.0	-18.5	-18.5 (4)				

FACTORED CONCENTRATED LOADS (LBS)		FACE		DIR.		HEEL		CONN.	
JT	LOC.	LOC.	MAX.	BACK	VERT.	TOTAL	CI	CI	CI
G	2-0-12	-0	-0						

CONNECTION REQUIREMENTS

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

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 25.6	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 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

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

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

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

CSI: TC=0.14/1.00 (A-B-5), BC=0.05/1.00 (D-E-4).
WB=0.00/1.00 (B-E-1), SS=0.09/1.00 (A-B-5)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

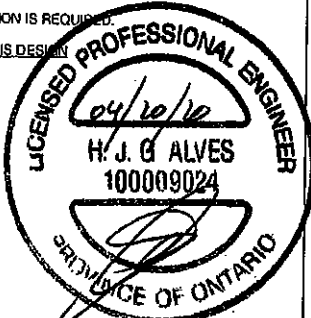
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

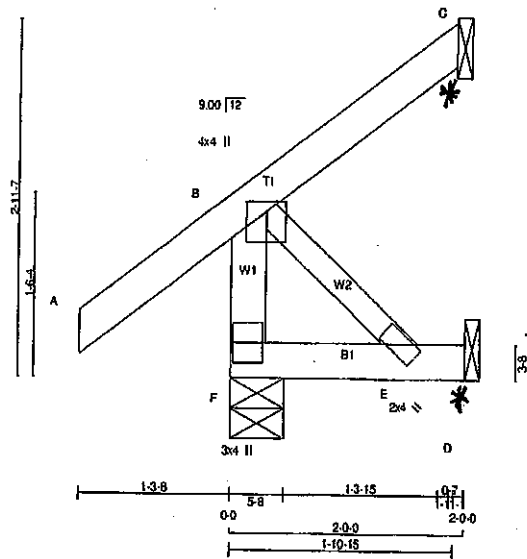
JSI GRIP = 0.21 (B) (INPUT = 0.90)
JSI METAL = 0.05 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006432

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
408188	C31	3	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					

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 1-3-8 0-0 1-10-15 1-10-15 2-0-0
 Scale = 1:17.6



LUMBER			
N.L.G.A. RULES	SIZE	DRY	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

FACTORED		MAXIMUM FACTORED		INPUT		REQD	
GROSS REACTION		GROSS REACTION		BRG		BRG	
JT VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
F 278	0	278	0	5-8	5-8		
C 42	0	42	0	1-8	1-8		
D 19	0	21	0	1-8	1-8		

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

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

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	194	145.0	0.0	0.0	0.0	49.0	0.0
C	29	23.25	0.0	0.0	0.0	5.0	0.0
D	15	0.0	0.0	0.0	0.0	15.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS		WEBS	
MEMB.	FACTORED	MEMB.	FACTORED
FR-TO	FORCE (LBS)	FR-TO	FORCE (LBS)
F-B	-260.0	F-B	0.0
A-B	0.38	A-B	0.0
B-C	-27.0	B-C	0.0
F-E	0.0	F-E	0.0
E-D	0.0	E-D	0.0

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

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

SPACING = 24.0 IN./C

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

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")

CSL TC=0.12/1.00 (A-B:1), BC=0.02/1.00 (E-F:4),
 WB=0.00/1.00 (B-E:1), SSL=0.08/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

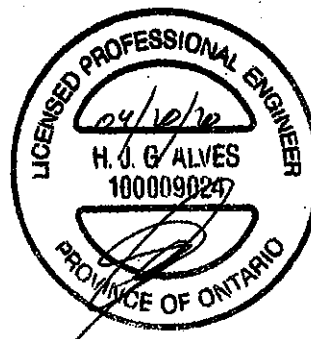
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES
 PLATE GRIP (DRY) SHEAR SECTION
 (PSI) (PLI) (PLI)
 MAX MIN MAX MIN MAX MIN
 MT20 818 354 1667 788 1987 1856

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP=0.21 (B) (INPUT = 0.90)
 JSI METAL=0.05 (B) (INPUT = 1.00)

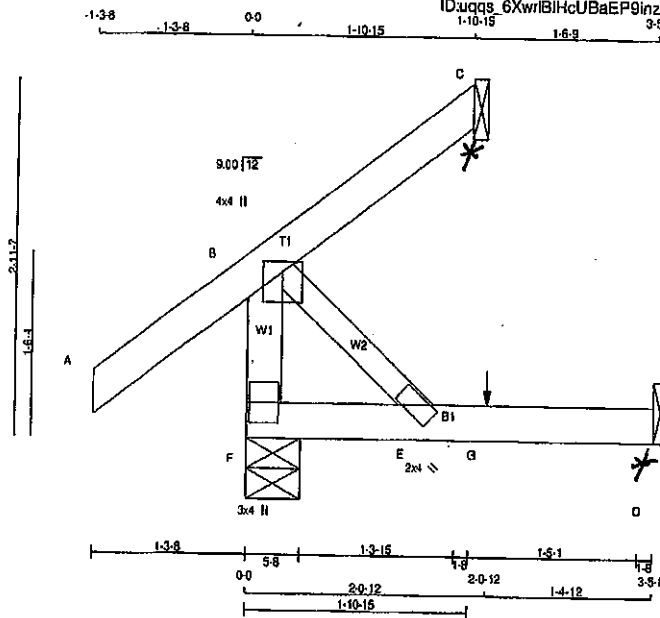


Structural component only
 DWG# T-2006433

JOB NAME 408188	TRUSS NAME C32	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington		TRUSS DESC.			

Version 8.310 5 Oct 29 2019 Mitek Industries, Inc. Fri Apr 17 08:28:04 2020 Page 1
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Scale = 1:17.8



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

DESCR
SPF
SPF
SPF

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

FACTORED		MAXIMUM FACTORED		INPUT		RECORD	
GROSS REACTION	DOWN	GROSS REACTION	DOWN	BRG	IN-SX	BRG	IN-SX
JT	292	0	0	0	5-8	5-8	5-8
F	292	0	0	0	1-8	1-8	1-8
C	42	0	42	0	1-8	1-8	1-8
D	32	0	32	0	1-8	1-8	1-8

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

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

1ST LCASE		MAX. MIN. COMPONENT REACTIONS		PERM. LIVE		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	COMBINED	SNOW	LIVE	PERM. LIVE
F	205	145.0	0.0	0.0	0.0	60.0	0.0	205	145.0	0.0	0.0
C	29	23.25	0.0	0.0	0.0	5.0	0.0	29	23.25	0.0	0.0
D	26	0.0	0.0	0.0	0.0	26.0	0.0	26	0.0	0.0	0.0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	FORCE (LBS)	MAX. CS1 (LC)	MEMB.
FR-TO		FROM TO		FR-TO			
F-B	-280.0	0.0	0.03 (1)	8-E	0.0	0.00 (1)	
A-B	0.38	-91.8	-91.8 0.14 (5)				
B-C	-27.0	-91.8	-91.8 0.13 (5)				
F-E	0.0	-18.5	-18.5 0.06 (4)				
E-G	0.0	-18.5	-18.5 0.06 (4)				
G-D	0.0	-18.5	-18.5 0.06 (4)				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	2-0-12	1	1	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

TOTAL WEIGHT = 11 lb (M)

DESIGN CRITERIA

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

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

CALCULATED VERT. DEFL.(LL) = L/889 (0.00")

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

CALCULATED VERT. DEFL.(TL) = L/889 (0.01")

CSI: TC=0.14/1.00 (A-B-5), BC=0.08/1.00 (D-E-4),

WB=0.00/1.00 (B-E-1), SSI=0.09/1.00 (A-B-3)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

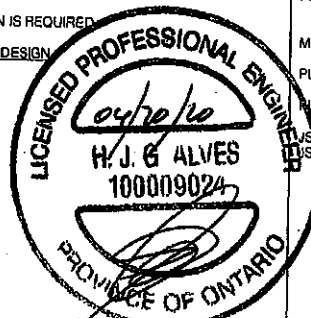
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

GRIP=0.21 (B) (INPUT = 0.90)
METAL=0.05 (B) (INPUT = 1.00)



Structural component only
DWG# T-2006434