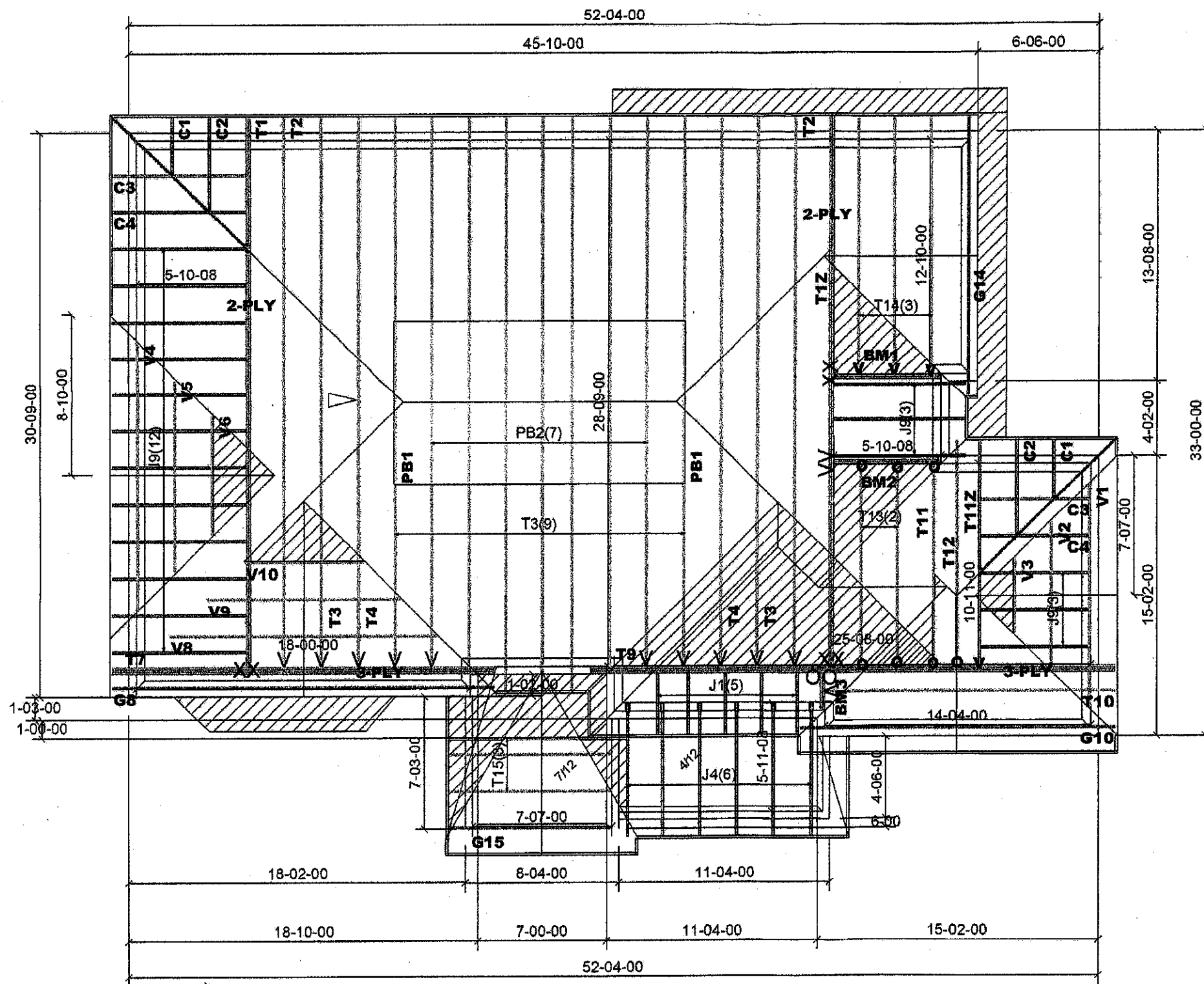




ASPHALT SHINGLES
12" FINISHED OH.
R.T.M.C.
2X6 EXTERIOR WALLS
2X6 FASCIA BOARD

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

DENOTES
CONV.
FRAMING



GSL 37.6 PSF

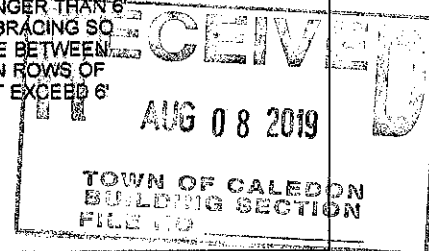
DESIGN CONFORMS
WITH O.B.C. 2018 PART 9
DESIGN LOADS:

TC LIVE 29 PSF
TC DEAD 6 PSF
BC LIVE 10.5 PSF
BC DEAD 7 PSF

BM1,2 = 2- 2x10

All Pitches are 9/12 unless noted

ALL CONV. FRAMINGS TO
CONFORM WITH PART 9 OF
O.B.C.2012 ROOF RAFTERS THAT
CROSS MEET OVER TRUSSES TO
BE 2x4 SPF @ 24" O.C. WITH A 2x4
VERT. POST TO THE TRUSS
UNDERNEATH AT EACH CROSS
PT. VERT. POST LONGER THAN 6'
TO HAVE LATERAL BRACING SO
THAT THE DISTANCE BETWEEN
END PT. & BETWEEN ROWS OF
BRACING DOES NOT EXCEED 6'



M12106

	Job Track: 50120	Builder / Location: GREEN PARK HOMES / Caledon		Model / Elevation: PRESTON 12 / 1 LOT 14	
	Plan Log: 200778	Project: Lamberts Lane Home Corp.PH2.			
	Layout ID: 402113	Date: 4/5/2019	Sales: Mario DiCano	Designer: chris / JLG	THESE DRAWINGS CONSTITUTE THE PROPERTY OF TAMARACK ROOF TRUSSES INC. SHALL NOT BE REPRODUCED, PUBLISHED, OR REDISTRIBUTED IN ANY MANNER OR UTILIZED FOR ANY PURPOSE OTHER THAN THE MANUFACTURE OF TRUSSES BY TAMARACK ROOF TRUSSES INC AND WILL BE RETRACTED BY TAMARACK ROOF TRUSSES INC IF UTILIZED FOR ANY OTHER PURPOSE. Mitek ver 8.2.3.229



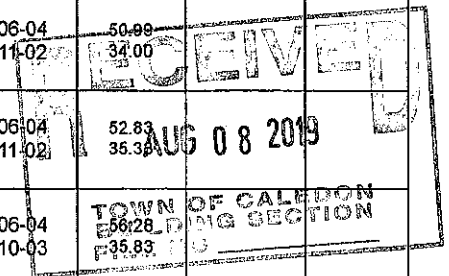
DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: Lamberts Lane Home Corp.
 Location: Caledon
 Model: PRESTON 12
 Lot #:
 Elevation: 1

Job Track: 50120
 PlanLog: 200778
 Layout ID: 402113
 Ref #
 Page: 1 of 3
 Date: 04/05/2019
 Designer: Jane Gong
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	1 2-ply	T1 Hip Girder	9/12	28-09-00	5-11-02	2 x 4 2 x 6	1-03-08 1-03-08	1-06-04 1-06-04	286.19 182.67		
	1 2-ply	T1Z Hip Girder	9/12	28-09-00	5-11-02	2 x 4 2 x 6	1-03-08 1-03-08	1-06-04 1-06-04	286.19 182.67		
	2	T2 Hip	9/12	28-09-00	7-05-02	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	258.96 162.33		
	11	T3 Hip	9/12	28-09-00	8-11-02	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	1537.78 973.50		
	2	T4 Hip	9/12	28-09-00	10-05-02	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	277.19 170.67		
	1 3-ply	T7 Common Girder	9/12	18-00-00	8-03-08	2 x 6	1-03-08 1-03-08	1-06-04 1-06-04	367.62 227.00		
	1	G8 GABLE	9/12	18-00-00	8-03-04	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	86.77 58.00		
	1 3-ply	T9 Roof Special Girder	9/12	25-08-00	6-10-12	2 x 4 2 x 8	1-03-08 1-03-08	1-06-04 1-06-04	465.82 284.00		
	1	T10 Common	9/12	14-04-00	6-10-12	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	64.53 40.83		
	1	G10 GABLE	9/12	14-04-00	6-10-12	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	66.89 43.83		
	1	T11 Half Hip	9/12	10-11-00	5-11-02	2 x 4		1-06-04 5-11-02	50.99 34.00		
	1	T11Z Half Hip Girder	9/12	10-11-00	5-11-02	2 x 4	1-03-08	1-06-04 5-11-02	52.83 35.33		
	1	T12 Half Hip	9/12	10-11-00	6-10-03	2 x 4	1-03-08	1-06-04 6-10-03	56.28 35.83		
	2	T13 Common	9/12	10-11-00	6-06-04	2 x 4		1-06-04 3-04-00	98.51 62.33		





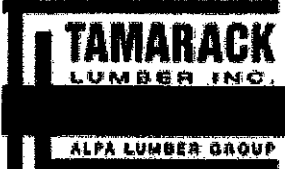
DELIVERY SHIPLIST

Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: Lamberts Lane Home Corp.
 Location: Caledon
 Model: PRESTON 12
 Lot #:
 Elevation: 1

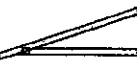
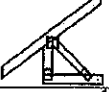
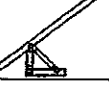
Job Track: 50120
 PlanLog: 200778
 Layout ID: 402113
 Ref #
 Page: 2 of 3
 Date: 04/05/2019
 Designer: Jane Gong
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	3	T14 Common	9 /12	12-10-00	6-04-00	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	176.16 113.00		
	1	G14 GABLE	9 /12	12-10-00	6-04-00	2 x 4	1-03-08 1-03-08	1-06-04 1-06-04	59.36 38.67		
	3	T15 Common	7 /12	7-07-00	3-03-06	2 x 4	1-03-00 1-03-00	8-03 8-03	87 60.50		
	1	G15 GABLE	7 /12	7-07-00	3-03-06	2 x 4	1-03-00 1-03-00	8-03 8-03	26.59 19.50		
	2	PB1 Piggyback	9 /12	9-00-00	3-00-00	2 x 4			50.12 31.33		
	7	PB2 Piggyback	9 /12	9-00-00	3-04-08	2 x 4			165.56 103.83		
	1	V1 Valley	9 /12	11-11-09	4-05-13	2 x 4			32.57 19.33		
	1	V2 Valley	9 /12	7-11-09	2-11-13	2 x 4			21.09 13.50		
	1	V3 Valley	9 /12	3-11-09	1-05-13	2 x 4			8.93 5.33		
	1	V4 Valley	9 /12	14-05-09	5-05-01	2 x 4			42.76 26.50		
	1	V5 Valley	9 /12	10-05-09	3-11-01	2 x 4			28.27 18.67		
	1	V6 Valley	9 /12	6-05-09	2-05-01	2 x 4			16.78 11.00		
	1	V8 Valley	9 /12	14-04-09	5-04-11	2 x 4			42.47 26.50		
	1	V9 Valley	9 /12	10-04-09	3-10-11	2 x 4			28.03 17.33		

DELIVERY SHIPLIST				
	Lumber Yard:	TAMARACK LUMBER	Job Track:	50120
	Builder:	GREEN PARK HOMES	PlanLog:	200778
	Project:	Lamberts Lane Home Corp.	Layout ID:	402113
	Location:	Caledon	Ref #	
	Model:	PRESTON 12	Page:	3 of 3
	Lot #:		Date:	04/05/2019
	Elevation:	1	Designer:	Jane Gong
		Sales Rep:	Mario DiCano	

Roof Trusses

PROFILE	QTY	MARK	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG	HEEL HEIGHT	LBS.	BUNDLE #	LOAD BY
PLY	TYPE						LEFT RIGHT	LEFT RIGHT	BFT.	STACK #	REMARKS
	1	V10 Valley	9 /12	6-04-09	2-04-11	2 x 4			16.54 11.00		
	5	J1 Jack-Open	9 /12	2-00-08	3-00-10	2 x 4	1-03-08	1-06-04 3-00-10	50.19 38.33		
	6	J4 Jack-Open	4 /12	5-11-08	2-06-14	2 x 4	10-00	3-15 2-03-12	90.41 56.00		
	18	J9 Jack-Open	9 /12	5-10-08	5-11-02	2 x 4	1-03-08	1-06-04 5-11-02	331.19 216.00		
	2	C1 Jack-Open	9 /12	1-09-07	2-10-05	2 x 4	1-03-08 1-01	1-06-04 2-10-05	18.63 14.00		
	2	C2 Jack-Open	9 /12	1-10-08	4-04-05	2 x 4	1-03-08 1-10-15	1-06-04 2-11-02	24.44 16.87		
	2	C3 Jack-Open Girder	9 /12	1-09-07	2-10-05	2 x 4	1-03-08 4-01-01	1-06-04 2-10-05	27.75 19.33		
	2	C4 Jack-Open	9 /12	3-09-07	4-04-05	2 x 4	1-03-08 2-01-01	1-06-04 4-04-05	33.68 22.00		

TOTAL # TRUSS= 96

TOTAL BFT OF ALL TRUSSES= 3391.31

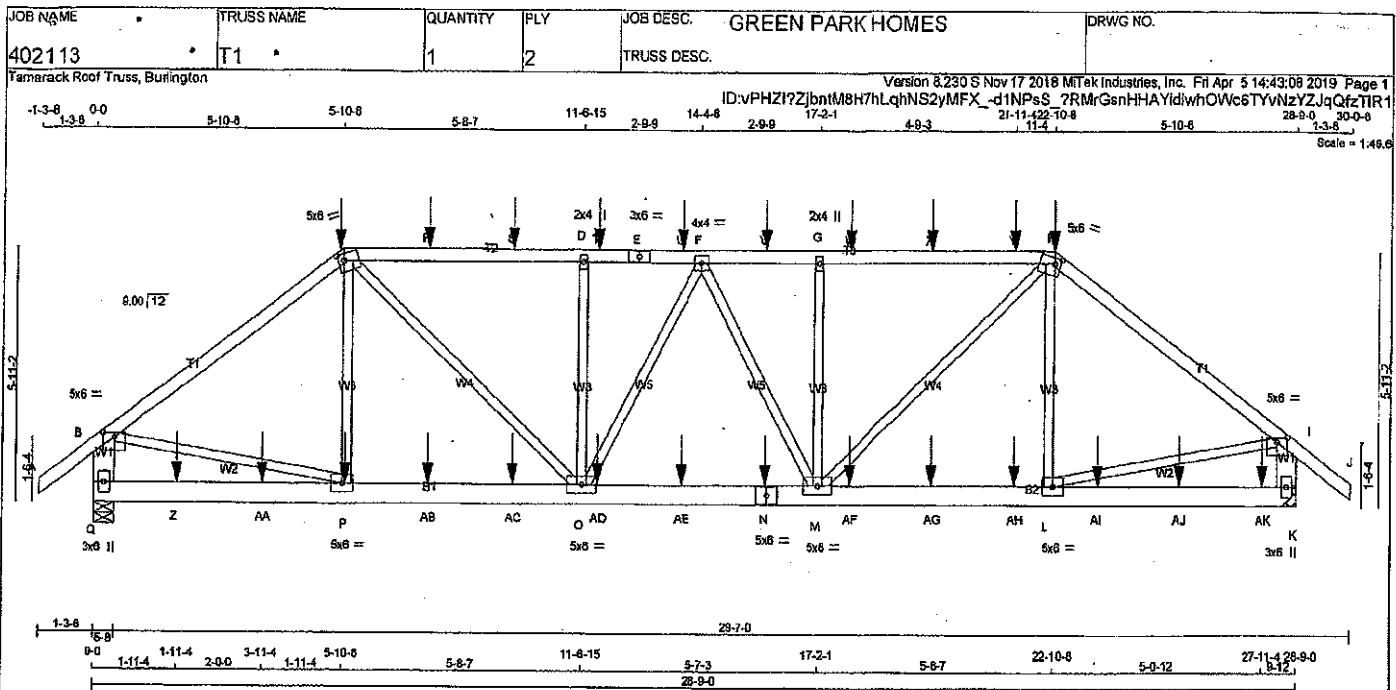
BFT.

TOTAL WEIGHT OF ALL TRSSES 5335.06 LBS

HARDWARE

QTY	TYPE	MODEL	LENGTH
3	Hardware	HGUS26-2	
14	Hardware	LJS26DS	
7	Hardware	LUS24	
1	Hardware	LUS24-2	
1	Hardware	LUS26-2	

TOTAL NUMBER OF ITEMS= 26



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 - H	2x4	DRY	No.2 SPF
H - J	2x4	DRY	No.2 SPF
Q - B	2x6	DRY	No.2 SPF
K - I	2x6	DRY	No.2 SPF
Q - N	2x6	DRY	No.2 SPF
N - K	2x6	DRY	No.2 SPF
ALL WEBS EXCEPT	2x6	DRY	No.2 SPF

DRY: SEASONED LUMBER.

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

CHORDS	ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS			
A-C	1	12	SIDE (61.0)
C-E	1	12	SIDE (61.0)
E-H	1	12	SIDE (61.0)
H-J	1	12	SIDE (61.0)
Q-B	2	12	TOP
K-I	2	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS			
Q-N	2	12	SIDE (163.1)
N-K	2	12	SIDE (61.0)
WEBS: (0.122"x3") SPIRAL NAILS			
P-C	1	6	SIDE (28.7)
L-H	1	6	SIDE (32.9)
2x3	1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	6.0	1.25	3.00
C	TTWW-m	MT20	5.0	6.0	1.75	1.75
D	TMVW-w	MT20	2.0	4.0		
E	TS4	MT20	3.0	6.0		
F	TMVW-t	MT20	4.0	4.0		
G	TMVW-w	MT20	2.0	4.0		
H	TTWW-m	MT20	5.0	6.0	1.75	1.75
I	TMVW-p	MT20	5.0	6.0	1.25	3.00
L	BMVW-t	MT20	3.0	6.0		
M	BMVW-t	MT20	5.0	6.0		
N	BS4	MT20	5.0	6.0		
O	BMVW-w	MT20	5.0	6.0		
P	BMVW-t	MT20	5.0	6.0		
Q	BMVW-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	VERT	DOWN	HORIZ	BRG	IN-SX	BRG	IN-SX
JT	3588	0	3588	0	0	5-8	5-8	
Q	3588	0	3588	0	0	5-8	5-8	
K	3521	0	3521	0	0	MECHANICAL		

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW		LIVE		WIND	DEAD	SOIL
		1ST CASE	MAX/MIN	COMPONENT	REACTIONS			
Q	2668	1442 / 0	528 / 0	0 / 0	0 / 0	717 / 0	0 / 0	0 / 0
K	2668	1273 / 0	532 / 0	0 / 0	0 / 0	863 / 0	0 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.98 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.60 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS					WEBS				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED HORIZ. LOAD (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED HORIZ. LOAD (LBS)	
FR-TO		FROM TO			FR-TO				
A-B	0 / 42	-102.1 -102.1	0.08 (1)	10.00	P-C	-127 / 306	0.04 (3)		
B-C	-3888 / 0	-102.1 -102.1	0.53 (1)	4.28	C-O	0 / 1882	0.23 (1)		
C-R	-4534 / 0	-102.1 -102.1	0.50 (1)	4.01	O-D	-945 / 0	0.25 (1)		
R-S	-4534 / 0	-102.1 -102.1	0.50 (1)	4.01	M-G	-958 / 0	0.25 (1)		
S-D	-4534 / 0	-102.1 -102.1	0.50 (1)	4.01	M-H	0 / 1974	0.24 (1)		
D-T	-4534 / 0	-102.1 -102.1	0.42 (1)	4.01	L-H	-129 / 244	0.03 (1)		
T-E	-4534 / 0	-102.1 -102.1	0.42 (1)	4.01	B-P	0 / 3241	0.40 (1)		
E-U	-4534 / 0	-102.1 -102.1	0.42 (1)	4.01	L-I	0 / 3149	0.39 (1)		
U-F	-4534 / 0	-102.1 -102.1	0.42 (1)	4.01	O-F	-86 / 0	0.03 (4)		
F-V	-4511 / 0	-102.1 -102.1	0.44 (1)	3.99	F-M	-70 / 38	0.02 (1)		
V-G	-4511 / 0	-102.1 -102.1	0.44 (1)	3.99					
G-W	-4510 / 0	-102.1 -102.1	0.52 (1)	3.99					
W-X	-4510 / 0	-102.1 -102.1	0.52 (1)	3.99					
X-Y	-4510 / 0	-102.1 -102.1	0.52 (1)	3.99					
Y-H	-4510 / 0	-102.1 -102.1	0.52 (1)	3.99					
H-I	-3878 / 0	-102.1 -102.1	0.52 (1)	4.34					
I-J	0 / 42	-102.1 -102.1	0.08 (1)	10.00					
Q-B	-3432 / 0	0.0 0.0	0.12 (1)	7.54					
K-I	-3347 / 0	0.0 0.0	0.12 (1)	7.50					
Q-Z	0 / 0	-38.5 -38.5	0.11 (3)	10.00					
Z-AA	0 / 0	-38.5 -38.5	0.11 (3)	10.00					
AA-P	0 / 0	-38.5 -38.5	0.11 (3)	10.00					
P-AB	0 / 3184	-38.5 -38.5	0.28 (2)	10.00					
AB-AC	0 / 3184	-38.5 -38.5	0.28 (2)	10.00					
AC-O	0 / 3184	-38.5 -38.5	0.28 (2)	10.00					
O-AD	0 / 4542	-38.5 -38.5	0.36 (1)	10.00					
AD-AE	0 / 4542	-38.5 -38.5	0.36 (1)	10.00					
AE-AE	0 / 4542	-38.5 -38.5	0.36 (1)	10.00					
N-M	0 / 4542	-38.5 -38.5	0.36 (1)	10.00					
M-AF	0 / 3094	-38.5 -38.5	0.28 (2)	10.00					
AF-AG	0 / 3094	-38.5 -38.5	0.28 (2)	10.00					
AG-AH	0 / 3094	-38.5 -38.5	0.28 (2)	10.00					
AH-L	0 / 3094	-38.5 -38.5	0.28 (2)	10.00					
L-AI	0 / 0	-38.5 -38.5	0.11 (3)	10.00					
AI-AJ	0 / 0	-38.5 -38.5	0.11 (3)	10.00					

04/05/14

H. J. G. ALVE

100009074

PROVINCE OF ONT.

DWG NO. TAM 7194

STRUCTURAL COMPONENT OF

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 = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBCG 2018, OBC 2012
- CSA 086-09, CSA 066-14
- TPIC 2011, TPIC 2014

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.96")
CALCULATED VERT. DEFL. (LL) = L/998 (0.69")
ALLOWABLE DEFL. (TL) = L/360 (0.96")
CALCULATED VERT. DEFL. (TL) = L/998 (0.15")

CSI: TC=0.53/1.00 (B-C-1), BC=0.35/1.00 (M-O-1), WB=0.40/1.00 (B-P-1), SSI=0.24/1.00 (G-H-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

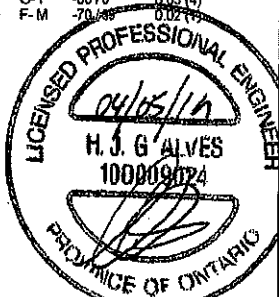
PLATE GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1867 788 1887 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP=0.88 (H) (INPUT = 0.90)
JSI METAL=0.43 (N) (INPUT = 1.00)

CONTINUED ON PAGE 2



DWG NO. TAM 7190761
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
402113	T1	1	2	TRUSS DESC.		

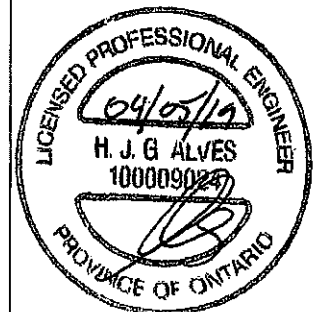
Tamareck Roof Truss, Burlington

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Fri Apr 5 14:43:08 2019 Page 2
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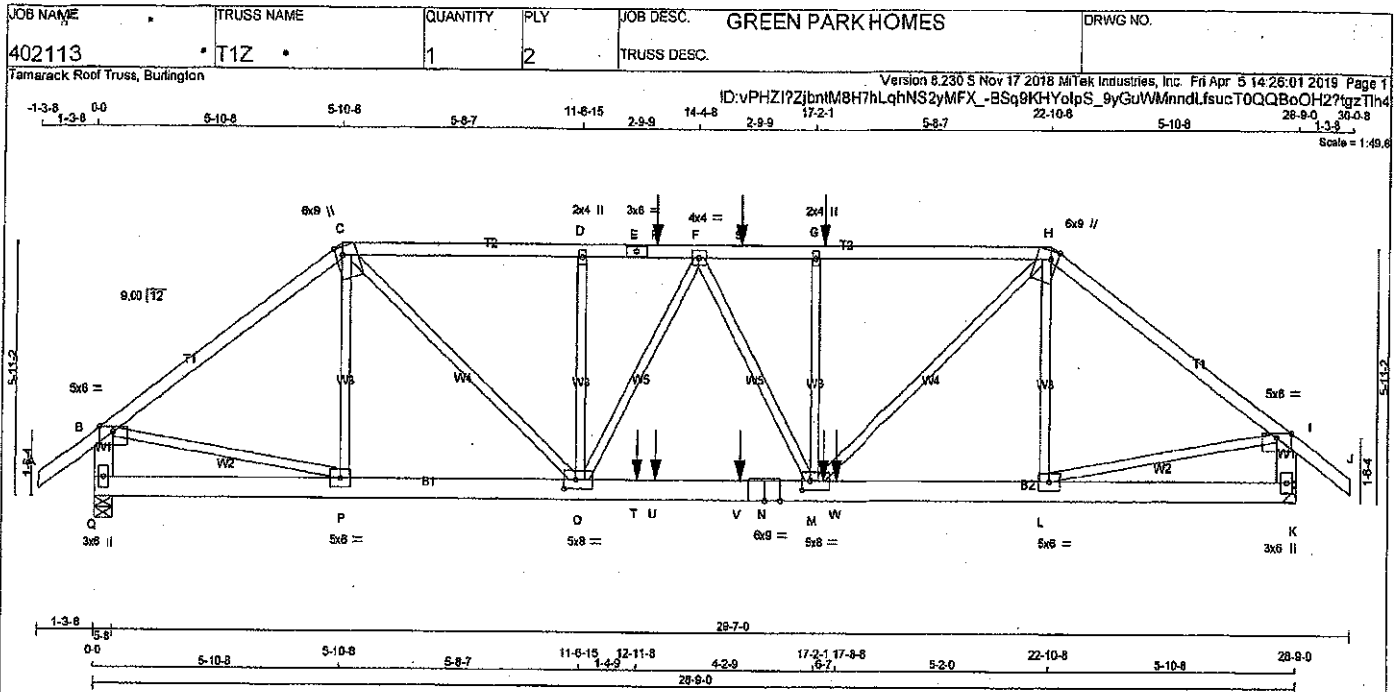
LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. MAX. UNBRAC (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO		LENGTH FR-TO			
AJ-AK	0/0	-38.5 -38.5	0.11 (3)	10.00			
AK-K	0/0	-38.5 -38.5	0.11 (3)	10.00			

FACTORED CONCENTRATED LOADS (LBS)									
JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	5-10-8	-577	-577	--	FRONT	VERT	TOTAL	--	--
H	22-10-8	-384	-430	--	FRONT	VERT	DEAD	--	--
N	15-11-4	-57	-73	--	FRONT	VERT	TOTAL	--	--
P	5-11-4	-57	-73	--	FRONT	VERT	TOTAL	--	--
R	7-11-4	-123	-123	--	FRONT	VERT	TOTAL	--	--
S	9-11-4	-123	-123	--	FRONT	VERT	TOTAL	--	--
T	11-11-4	-123	-123	--	FRONT	VERT	TOTAL	--	--
U	13-11-4	-123	-123	--	FRONT	VERT	TOTAL	--	--
V	15-11-4	-123	-123	--	FRONT	VERT	TOTAL	--	--
W	17-11-4	-123	-123	--	FRONT	VERT	TOTAL	--	--
X	19-11-4	-123	-123	--	FRONT	VERT	TOTAL	--	--
Y	21-11-4	-128	-126	--	FRONT	VERT	TOTAL	--	--
Z	1-11-4	-75	-85	--	FRONT	VERT	TOTAL	--	--
AA	3-11-4	-75	-85	--	FRONT	VERT	TOTAL	--	--
AB	7-11-4	-57	-73	--	FRONT	VERT	TOTAL	--	--
AC	9-11-4	-57	-73	--	FRONT	VERT	TOTAL	--	--
AD	11-11-4	-57	-73	--	FRONT	VERT	TOTAL	--	--
AE	13-11-4	-57	-73	--	FRONT	VERT	TOTAL	--	--
AF	17-11-4	-57	-73	--	FRONT	VERT	TOTAL	--	--
AG	19-11-4	-57	-73	--	FRONT	VERT	TOTAL	--	--
AH	21-11-4	-57	-73	--	FRONT	VERT	TOTAL	--	--
AI	23-11-4	-57	-73	--	FRONT	VERT	TOTAL	--	--
AJ	25-11-4	-57	-73	--	FRONT	VERT	TOTAL	--	--
AK	27-11-4	-61	-77	--	FRONT	VERT	TOTAL	--	--



DWG NO. TAM 7907761
STRUCTURAL
COMPONENT ONLY 2/2



CHORDS	SIZE	LUMBER	DESCR
A - C	2x4	DRY No.2	SPF
C - E	2x4	DRY No.2	SPF
E - H	2x4	DRY No.2	SPF
H - J	2x4	DRY No.2	SPF
J - B	2x6	DRY No.2	SPF
K - I	2x6	DRY No.2	SPF
Q - N	2x6	DRY No.2	SPF
N - K	2x6	DRY No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF EXCEPT

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122'X3') SPIRAL NAILS		
A-C 1	12	TOP
C-E 1	12	TOP
E-H 1	12	TOP
H-J 1	12	TOP
J-B 2	12	TOP
K-I 1	12	TOP
BOTTOM CHORDS: (0.122'X3') SPIRAL NAILS		
Q-N 2	12	SIDE(0.0)
N-K 2	12	SIDE(183.1)
WEBS: (0.122'X3') SPIRAL NAILS		
2x3 1	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF 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
B TMWV-p	MT20	5.0	8.0	Edge	
C TTMW+m	MT20	6.0	9.0	Edge 2.00	
D TMW-w	MT20	2.0	4.0		
E TS-1	MT20	3.0	6.0		
F TMWV-t	MT20	4.0	4.0		
G TMW-w	MT20	2.0	4.0		
H TTMW+m	MT20	6.0	9.0	Edge 2.00	
I TMW-p	MT20	5.0	8.0	Edge	
K BMV1+p	MT20	3.0	6.0		
L BMWV-t	MT20	5.0	6.0		
M BMWVW-t	MT20	5.0	8.0	2.50	2.25
N BS-1	MT20	6.0	9.0		
O BMWVW-t	MT20	5.0	8.0	2.50	3.25
P BMWV-t	MT20	5.0	6.0		
Q 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 ERO	REQD BRG
JT VERT	3810	3810	0	5-8
Q K	3961	3961	0	5-8

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

UNFACTORED REACTIONS

1ST LOASE	MAX (MIN. COMPONENT REACTIONS)
JT COMBINED	2821
Q	1636 / 0
K	1701 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED HORZ. LOAD (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORZ. LOAD (LBS)
FR-TO	FROM TO					FR-TO	FROM TO		
A-B	0 / 42	-102.1	-102.1	0.08 (1)	10.00	P-C	-543 / 0	0.14 (1)	
B-C	-4335 / 0	-102.1	-102.1	0.56 (1)	4.12	C-O	0 / 3716	0.48 (1)	
C-D	-6119 / 0	-102.1	-102.1	0.45 (1)	3.82	O-D	-594 / 0	0.15 (1)	
D-E	-6119 / 0	-102.1	-102.1	0.34 (1)	3.64	M-G	-715 / 0	0.19 (1)	
E-R	-6119 / 0	-102.1	-102.1	0.34 (1)	3.84	M-H	0 / 3730	0.46 (1)	
R-F	-6119 / 0	-102.1	-102.1	0.34 (1)	3.64	L-H	-413 / 24	0.11 (1)	
F-S	-6318 / 0	-102.1	-102.1	0.34 (1)	3.58	B-P	0 / 3522	0.44 (1)	
S-G	-6318 / 0	-102.1	-102.1	0.34 (1)	3.58	L-I	0 / 3712	0.46 (1)	
G-H	-6318 / 0	-102.1	-102.1	0.47 (1)	3.56	O-F	0 / 3712	0.46 (1)	
H-I	-4589 / 0	-102.1	-102.1	0.58 (1)	4.02	F-M	0 / 3712	0.46 (1)	
I-J	0 / 42	-102.1	-102.1	0.08 (1)	10.00				
Q-B	-3691 / 0	0.0	0.0	0.13 (1)	7.32				
K-I	-3687 / 0	0.0	0.0	0.14 (1)	7.20				
Q-P	0 / 0	-38.5	-38.5	0.07 (2)	10.00				
P-O	0 / 3453	-38.5	-38.5	0.46 (1)	10.00				
O-T	0 / 6286	-38.5	-38.5	0.88 (1)	10.00				
T-U	0 / 6286	-38.5	-38.5	0.88 (1)	10.00				
U-V	0 / 6286	-38.5	-38.5	0.88 (1)	10.00				
V-N	0 / 6286	-38.5	-38.5	0.88 (1)	10.00				
N-M	0 / 6286	-38.5	-38.5	0.88 (1)	10.00				
M-W	0 / 3642	-38.5	-38.5	0.48 (1)	10.00				
W-L	0 / 3642	-38.5	-38.5	0.48 (1)	10.00				
L-K	0 / 0	-38.5	-38.5	0.06 (3)	10.00				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	17-4-12	-123	-123		BACK	VERT	TOTAL		
M	17-4-12	-57	-73		BACK	VERT	TOTAL		
R	13-4-12	-123	-123		BACK	VERT	TOTAL		
S	15-4-12	-123	-123		BACK	VERT	TOTAL		
T	12-11-6	-1689	-1689		BACK	VERT	TOTAL		
U	13-4-12	-57	-73		BACK	VERT	TOTAL		
V	15-4-12	-57	-73		BACK	VERT	TOTAL		
W	17-8-8	-1217	-1217		BACK	VERT	TOTAL		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.96")
CALCULATED VERT. DEFL.(LL) = L/999 (0.15")
ALLOWABLE DEFL.(TL) = L/360 (0.96")
CALCULATED VERT. DEFL.(TL) = L/999 (0.26")

CSK: TC=0.58/1.00 (H-I-1), BC=0.88/1.00 (M-O-1), WB=0.46/1.00 (H-M-1), SS=0.48/1.00 (M-O-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

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

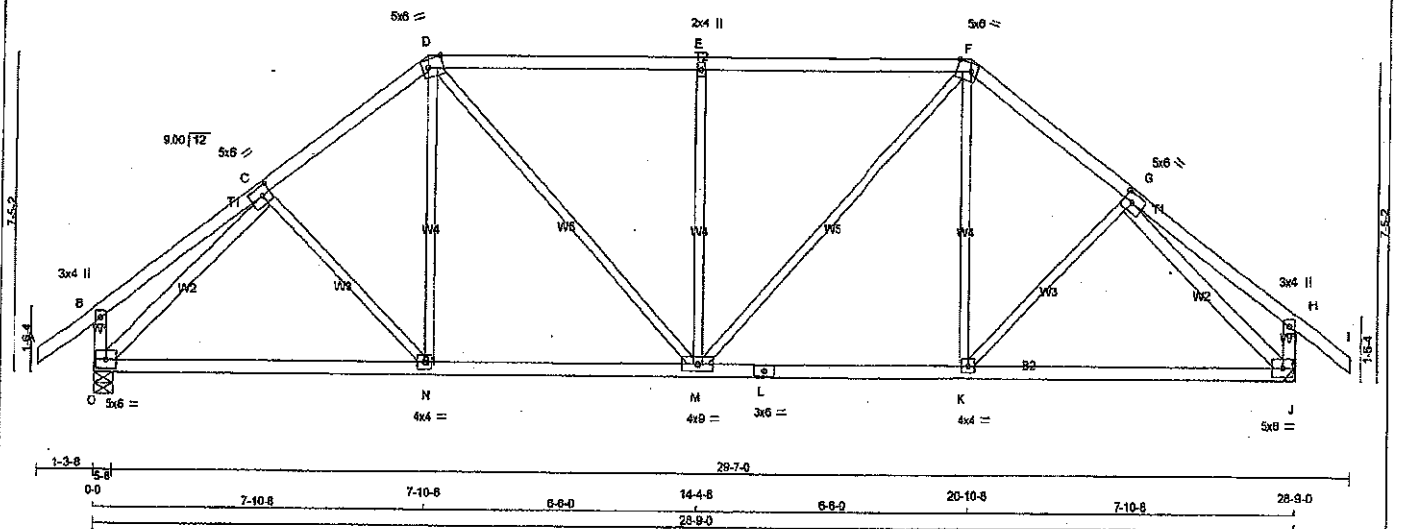
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (M) (INPUT = 0.90)
JSI METAL= 0.82 (N) (INPUT = 1.00)

DRWG NO. TAM 77907762
STRUCTURAL
COMPONENT ONLY

JOB NAME 402113	TRUSS NAME T2	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Fri Apr 5 14:28:03 2019 Page 1	
1-3-8 0-0 4-0-8 4-0-8 3-10-0 7-10-8 6-6-0 14-4-8 6-6-0 20-10-8 3-10-0 4-0-8 28-9-0 30-0-8 1-3-8 0-0 4-0-8 4-0-8 3-10-0 7-10-8 6-6-0 14-4-8 6-6-0 20-10-8 3-10-0 4-0-8 28-9-0 30-0-8 Scale = 1/4" = 1'-0"				ID: vPHZi7ZjntM8H7hLqhNS2yMFX_-Brywkza3qQhOQhndqFjmKCUQCldu5rbX6xZzTln2	



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
O - B	2x4	DRY	No.2
J - H	2x4	DRY	No.2
O - L	2x4	DRY	No.2
L - J	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
O - C	2x4	DRY	No.2
G - J	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	TMVWV-t	MT20	5.0	6.0	2.50	2.50
D	TTWVW-m	MT20	5.0	6.0	Edge 4.25	
E	TMVW+p	MT20	2.0	4.0		
F	TTWVW-m	MT20	5.0	6.0	Edge 4.25	
G	TMVWV-t	MT20	5.0	6.0	2.50	2.50
H	TMV+p	MT20	3.0	4.0		
J	BMVWV-t	MT20	5.0	6.0		
K	BMVWV-t	MT20	4.0	4.0		
L	BS-t	MT20	3.0	6.0		
M	BMVWV-t	MT20	4.0	9.0		
N	BMVWV-t	MT20	4.0	4.0		
O	BMVWV-t	MT20	5.0	6.0		

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

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

BEARINGS		FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
O	2162	0	2162	0	5-8
J	2162	0	2162	0	MECHANICAL

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1607	915 / 0	302 / 0	0 / 0	0 / 0	380 / 0	0 / 0
J	1607	915 / 0	302 / 0	0 / 0	0 / 0	380 / 0	0 / 0

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

BRACING

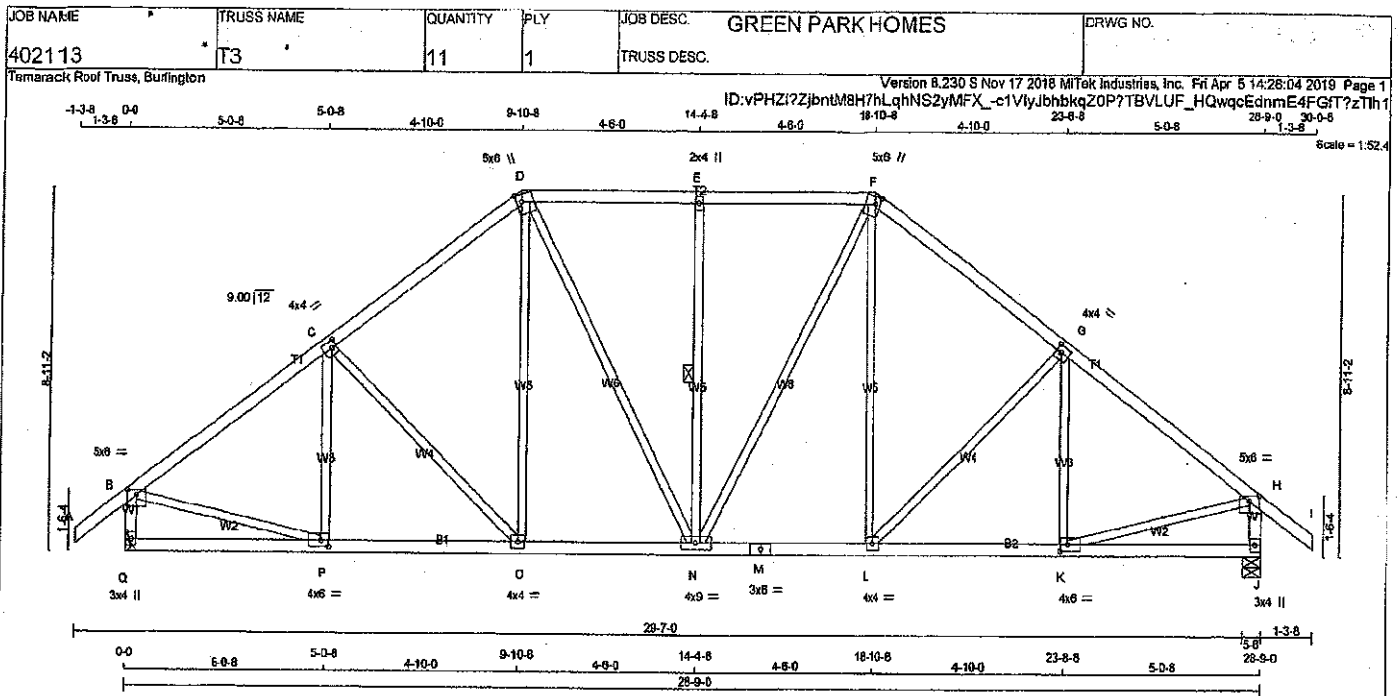
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.91 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		WEBS	
MEMB.	FORCE (LBS)	MEMB.	FORCE (LBS)
FR-TO		FR-TO	
A-B	0 / 42	C-N	0 / 114
B-C	0 / 27	D-M	0 / 380
C-D	-2098 / 0	E-F	0 / 682
D-E	-2119 / 0	F-G	-813 / 0
E-F	-2119 / 0	G-H	0 / 682
F-G	-2099 / 0	H-I	0 / 380
G-H	0 / 27	I-J	0 / 114
H-I	0 / 42	J-K	-2400 / 0
I-J	-298 / 0	K-L	-2400 / 0
J-K	-298 / 0	L-M	0 / 114
K-L	0 / 27	M-N	0 / 380
L-M	0 / 42	N-O	0 / 682
M-N	-2098 / 0	O-P	-813 / 0
N-O	-2119 / 0	P-Q	0 / 682
O-P	-2119 / 0	Q-R	0 / 380
P-Q	-2099 / 0	R-S	0 / 114
Q-R	0 / 27	S-T	0 / 380
R-S	0 / 42	T-U	0 / 682
S-T	-298 / 0	U-V	-2400 / 0
T-U	-298 / 0	V-W	-2400 / 0
U-V	0 / 27	W-X	0 / 114
V-W	0 / 42	X-Y	0 / 380
W-X	-2098 / 0	Y-Z	0 / 682
X-Y	-2119 / 0	Z-A	-813 / 0
Y-Z	-2119 / 0	A-B	0 / 682
Z-A	-2099 / 0	B-C	0 / 380
A-B	0 / 27	C-D	0 / 114
B-C	0 / 42	D-E	0 / 380
C-D	-2098 / 0	E-F	0 / 682
D-E	-2119 / 0	F-G	-813 / 0
E-F	-2119 / 0	G-H	0 / 682
F-G	-2099 / 0	H-I	0 / 380
G-H	0 / 27	I-J	0 / 114
H-I	0 / 42	J-K	-2400 / 0
I-J	-298 / 0	K-L	-2400 / 0
J-K	-298 / 0	L-M	0 / 114
K-L	0 / 27	M-N	0 / 380
L-M	0 / 42	N-O	0 / 682
M-N	-2098 / 0	O-P	-813 / 0
N-O	-2119 / 0	P-Q	0 / 682
O-P	-2119 / 0	Q-R	0 / 380
P-Q	-2099 / 0	R-S	0 / 114
Q-R	0 / 27	S-T	0 / 380
R-S	0 / 42	T-U	0 / 682
S-T	-298 / 0	U-V	-2400 / 0
T-U	-298 / 0	V-W	-2400 / 0
U-V	0 / 27	W-X	0 / 114
V-W	0 / 42	X-Y	0 / 380
W-X	-2098 / 0	Y-Z	0 / 682
X-Y	-2119 / 0	Z-A	-813 / 0
Y-Z	-2119 / 0	A-B	0 / 682
Z-A	-2099 / 0	B-C	0 / 380
A-B	0 / 27	C-D	0 / 114
B-C	0 / 42	D-E	0 / 380
C-D	-2098 / 0	E-F	0 / 682
D-E	-2119 / 0	F-G	-813 / 0
E-F	-2119 / 0	G-H	0 / 682
F-G	-2099 / 0	H-I	0 / 380
G-H	0 / 27	I-J	0 / 114
H-I	0 / 42	J-K	-2400 / 0
I-J	-298 / 0	K-L	-2400 / 0
J-K	-298 / 0	L-M	0 / 114
K-L	0 / 27	M-N	0 / 380
L-M	0 / 42	N-O	0 / 682
M-N	-2098 / 0	O-P	-813 / 0
N-O	-2119 / 0	P-Q	0 / 682
O-P	-2119 / 0	Q-R	0 / 380
P-Q	-2099 / 0	R-S	0 / 114
Q-R	0 / 27	S-T	0 / 380
R-S	0 / 42	T-U	0 / 682
S-T	-298 / 0	U-V	-2400 / 0
T-U	-298 / 0	V-W	-2400 / 0
U-V	0 / 27	W-X	0 / 114
V-W	0 / 42	X-Y	0 / 380
W-X	-2098 / 0	Y-Z	0 / 682
X-Y	-2119 / 0	Z-A	-813 / 0
Y-Z	-2119 / 0	A-B	0 / 682
Z-A	-2099 / 0	B-C	0 / 380
A-B	0 / 27	C-D	0 / 114
B-C	0 / 42	D-E	0 / 380
C-D	-2098 / 0	E-F	0 / 682
D-E	-2119 / 0	F-G	-813 / 0
E-F	-2119 / 0	G-H	0 / 682
F-G	-2099 / 0	H-I	0 / 380
G-H	0 / 27	I-J	0 / 114
H-I	0 / 42	J-K	-2400 / 0
I-J	-298 / 0	K-L	-2400 / 0
J-K	-298 / 0	L-M	0 / 114
K-L	0 / 27	M-N	0 / 380
L-M	0 / 42	N-O	0 / 682
M-N	-2098 / 0	O-P	-813 / 0
N-O	-2119 / 0	P-Q	0 / 682
O-P	-2119 / 0	Q-R	0 / 380
P-Q	-2099 / 0	R-S	0 / 114
Q-R	0 / 27	S-T	0 / 380
R-S	0 / 42	T-U	0 / 682
S-T	-298 / 0	U-V	-2400 / 0
T-U	-298 / 0	V-W	-2400 / 0
U-V	0 / 27	W-X	0 / 114
V-W	0 / 42	X-Y	0 / 380
W-X	-2098 / 0	Y-Z	0 / 682
X-Y	-2119 / 0	Z-A	-813 / 0
Y-Z	-2119 / 0	A-B	0 / 682
Z-A	-2099 / 0	B-C	0 / 380
A-B	0 / 27	C-D	0 / 114
B-C	0 / 42	D-E	0 / 380
C-D	-2098 / 0	E-F	0 / 682
D-E	-2119 / 0	F-G	-813 / 0
E-F	-2119 / 0	G-H	0 / 682
F-G	-2099 / 0	H-I	0 / 380
G-H	0 / 27	I-J	0 / 114
H-I	0 / 42	J-K	-2400 / 0
I-J	-298 / 0	K-L	-2400 / 0
J-K	-298 / 0	L-M	0 / 114
K-L	0 / 27	M-N	0 / 380
L-M	0 / 42	N-O	0 / 682
M-N	-2098 / 0	O-P	-813 / 0
N-O	-2119 / 0	P-Q	0 / 682
O-P	-2119 / 0	Q-R	0 / 380
P-Q	-2099 / 0	R-S	0 / 114
Q-R	0 / 27	S-T	0 / 380
R-S	0 / 42	T-U	0 / 682
S-T	-298 / 0	U-V	-2400 / 0
T-U	-298 / 0	V-W	-2400 / 0
U-V	0 / 27	W-X	0 / 114
V-W	0 / 42	X-Y	0 / 380
W-X	-2098 / 0	Y-Z	0 / 682
X-Y	-2119 / 0	Z-A	-813 / 0
Y-Z	-2119 / 0	A-B	0 / 682
Z-A	-2099 / 0	B-C	0 / 380
A-B	0 / 27	C-D	0 / 114
B-C	0 / 42	D-E	0 / 380
C-D	-2098 / 0	E-F	0 / 682
D-E	-2119 / 0	F-G	-813 / 0
E-F	-2119 / 0	G-H	0 / 682
F-G	-2099 / 0	H-I	0 / 380
G-H	0 / 27	I-J	0 / 114
H-I	0 / 42	J-K	-2400 / 0
I-J	-298 / 0	K-L	-2400 / 0
J-K	-298 / 0	L-M	0 / 114
K-L	0 / 27	M-N	0 / 380
L-M	0 / 42	N-O	0 / 682
M-N	-2098 / 0	O-P	-813 / 0
N-O	-2119 / 0	P-Q	0 / 682
O-P	-2119 / 0	Q-R	0 / 380
P-Q	-2099 / 0	R-S	0 / 114
Q-R	0 / 27	S-T	0 / 380
R-S	0 / 42	T-U	0 / 682
S-T	-298 / 0	U-V	-2400 / 0
T-U	-298 / 0	V-W	-2400 / 0
U-V	0 / 27	W-X	0 / 114
V-W	0 / 42	X-Y	0 / 380
W-X	-2098 / 0	Y-Z	0 / 682
X-Y	-2119 / 0	Z-A	-813 / 0
Y-Z	-2119 / 0	A-B	0 / 682
Z-A	-2099 / 0	B-C	0 / 380
A-B	0 / 27	C-D	0 / 114
B-C	0 / 42	D-E	0 / 380
C-D	-2098 / 0	E-F	0 / 682
D-E	-2119 / 0	F-G	-813 / 0
E-F	-2119 / 0	G-H	0 / 682
F-G	-2099 / 0	H-I	0 / 380
G-H	0 / 27	I-J	0 / 114
H-I	0 / 42	J-K	-2400 / 0
I-J	-298 / 0	K-L	-2400 / 0
J-K	-298 / 0	L-M	0 / 114
K-L	0 / 27	M-N	0 / 380
L-M	0 / 42	N-O	0 / 682
M-N	-2098 / 0	O-P	-813 / 0
N-O	-2119 / 0	P-Q	0 / 682
O-P	-2119 / 0	Q-R	0 / 380
P-Q	-2099 / 0	R-S	0 / 114
Q-R	0 / 27	S-T	0 / 380
R-S	0 / 42	T-U	0 / 682
S-T	-298 / 0	U-V	-2400 / 0
T-U	-298 / 0	V-W	-2400 / 0
U-V	0 / 27	W-X	0 / 114
V-W	0 / 42	X-Y	0 / 380
W-X	-2098 / 0	Y-Z	0 / 682
X-Y	-2119 / 0	Z-A	-813 / 0
Y-Z	-2119 / 0	A-B	0 / 682
Z-A	-2099 / 0	B-C	0 / 380
A-B	0 / 27	C-D	0 / 114
B-C	0 / 42	D-E	0 / 380
C-D	-2098 / 0	E-F	0 / 682
D-E	-2119 / 0	F-G	-813 / 0
E-F	-2119 / 0	G-H	0 / 682
F-G	-2099 / 0	H-I	0 / 380
G-H	0 / 27	I-J	0 / 114
H-I	0 / 42	J-K	-2400 / 0
I-J	-298 / 0	K-L	-2400 / 0
J-K	-298 / 0	L-M	0 / 114
K-L	0 / 27	M-N	0 / 380
L-M	0 / 42	N-O	0 / 682
M-N	-2098 / 0	O-P	-813 / 0
N-O	-2119 / 0	P-Q	0 / 682
O-P	-2119 / 0	Q-R	0 / 380
P-Q	-2099 / 0	R-S	0 / 114
Q-R	0 / 27	S-T	0 / 380
R-S	0 / 42	T-U	0 / 682
S-T	-298 / 0	U-V	-2400 / 0
T-U	-298 / 0	V-W	-2400 / 0
U-V	0 / 27	W-X	0 / 114
V-W	0 / 42	X-Y	0 / 380
W-X	-2098 / 0	Y-Z	0 / 682
X-Y	-2119 / 0	Z-A	-813 / 0
Y-Z	-2119 / 0	A-B	0 / 682
Z-A	-2099 / 0	B-C	0 / 380
A-B	0 / 27	C-D	0 / 114
B-C	0 / 42	D-E	0 / 380
C-D	-2098 / 0	E-F	0 / 682
D-E	-2119 / 0	F-G	-813 / 0
E-F	-2119 / 0	G-H	0 / 682
F-G	-2099 / 0	H-I	0 / 380
G-H	0 / 27	I-J	0 / 114



LUMBER			
N. L. G. A. RULES	SIZE	LUMBER	DESCR
CHORDS			
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
F - I	2x4	DRY	No.2
Q - B	2x4	DRY	No.2
J - H	2x4	DRY	No.2
O - M	2x4	DRY	No.2
M - 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-p	MT20	5.0	6.0	1.50	3.00
C TMVW-w	MT20	4.0	4.0	2.00	1.50
D TTWV-wm	MT20	5.0	6.0	2.25	1.50
E TMVW-w	MT20	2.0	4.0		
F TTWV-wm	MT20	5.0	6.0	2.25	1.50
G TMVW-w	MT20	4.0	4.0	2.00	1.50
H TMVW-p	MT20	5.0	6.0	1.50	3.00
J BMV1+p	MT20	3.0	4.0		
K BMVW-w	MT20	4.0	6.0	2.00	2.25
L BMVW-w	MT20	4.0	4.0		
M BS-1	MT20	3.0	6.0		
N BMVW-w	MT20	4.0	9.0		
O BMVW-w	MT20	4.0	4.0		
P BMVW-w	MT20	4.0	6.0	2.00	2.25
Q 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	DOWN	HORZ	BRG	IN-SX	BRG	IN-SX
Q	2162	0	2162	0	0	5.8	5.8		
J	2162	0	2162	0	0	5.8	5.8		

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

UNFACTORED REACTIONS

JT	1ST LCASE	MAX	MIN	COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL		
Q	1807	915/0	302/0	0/0	0/0	380/0	0/0		
J	1807	915/0	302/0	0/0	0/0	380/0	0/0		

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF 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 (LBS)	MAX. FACTORED HORZ. LOAD (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED HORZ. LOAD (LBS)
FR-TO		FROM TO	CSI (LC)	FR-TO		FROM TO	CSI (LC)
A-B	0/42	-102.1 -102.1	0.14 (1)	P-C	-205/88	0.09 (1)	
B-C	-2172/0	-102.1 -102.1	0.40 (1)	C-O	-343/0	0.32 (1)	
C-D	-1945/0	-102.1 -102.1	0.38 (1)	O-D	0/431	0.10 (2)	
D-E	-1716/0	-102.1 -102.1	0.29 (1)	D-N	0/405	0.09 (1)	
E-F	-1716/0	-102.1 -102.1	0.29 (1)	N-E	-553/0	0.28 (1)	
F-G	-1945/0	-102.1 -102.1	0.38 (1)	N-F	0/405	0.09 (1)	
G-H	-2172/0	-102.1 -102.1	0.40 (1)	L-F	0/431	0.10 (2)	
H-I	0/42	-102.1 -102.1	0.14 (1)	L-G	-343/0	0.32 (1)	
Q-B	-2082/0	0.0 0.0	0.22 (1)	K-G	-205/88	0.09 (1)	
J-H	-2082/0	0.0 0.0	0.22 (1)	B-P	0/1814	0.41 (1)	
				K-H	0/1814	0.41 (1)	
C-P	0/0	-38.5 -38.5	0.18 (3)				
P-O	0/1768	-38.5 -38.5	0.40 (2)				
O-N	0/1529	-38.5 -38.5	0.33 (1)				
N-M	0/1529	-38.5 -38.5	0.33 (1)				
M-L	0/1529	-38.5 -38.5	0.33 (1)				
L-K	0/1768	-38.5 -38.5	0.40 (2)				
K-J	0/0	-38.5 -38.5	0.18 (3)				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 29.0	PSF
	DL = 6.0	PSF
BOT CH.	LL = 10.5	PSF
	DL = 7.0	PSF
TOTAL LOAD	= 52.5	PSF

SPACING = 24.0 IN./C

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

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015
- CSA 088-14
- TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/380 (0.98")
CALCULATED VERT. DEFL. (LL) = L/999 (0.07")
ALLOWABLE DEFL. (TL) = L/380 (0.98")
CALCULATED VERT. DEFL. (TL) = L/999 (0.12")

CSI: TC=0.40/1.00 (G-H-I), BC=0.40/1.00 (K-L-2), WB=0.41/1.00 (B-P-1), SSI=0.22/1.00 (D-E-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

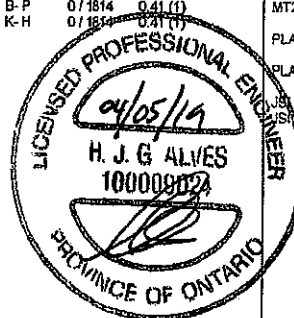
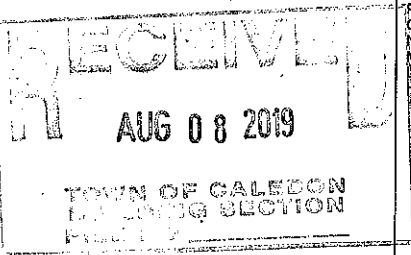
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (FLI)
MAX MIN MAX MIN MAX MIN
MT20 850 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

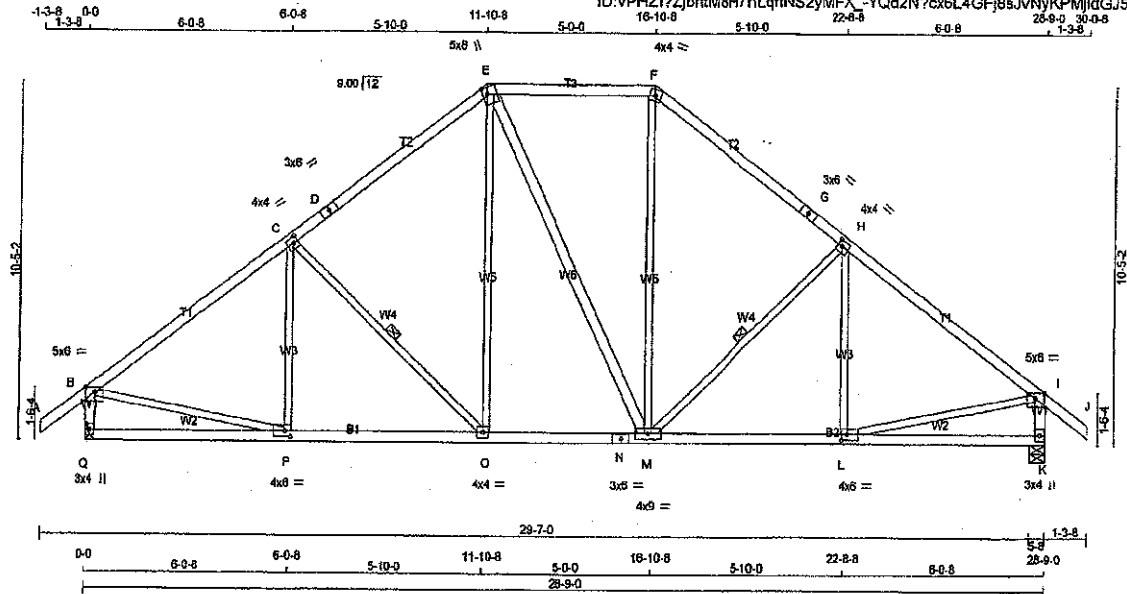
GRIP = 0.86 (F) (INPUT = 0.60)
METAL = 0.50 (M) (INPUT = 1.00)

DWG NO. TAM 19907764
STRUCTURAL
COMPONENT ONLY



JOB NAME 402113	TRUSS NAME T4	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.230 S Nov 17 2018 MITek Industries, Inc. Fri Apr 5 14:28:06 2019 Page 1
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TOTAL WEIGHT = 2 X 139 = 277 lb

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF	
E - F	2x4	DRY	No.2	SPF	
G - H	2x4	DRY	No.2	SPF	
I - J	2x4	DRY	No.2	SPF	
K - L	2x4	DRY	No.2	SPF	
M - N	2x4	DRY	No.2	SPF	
O - P	2x4	DRY	No.2	SPF	
Q - R	2x4	DRY	No.2	SPF	
S - T	2x4	DRY	No.2	SPF	
U - V	2x4	DRY	No.2	SPF	
W - X	2x4	DRY	No.2	SPF	
Y - Z	2x4	DRY	No.2	SPF	
ALL WEBS EXCEPT E - M	2x4	DRY	No.2	SPF	
DRY: SEASONED LUMBER.					

PLATES (table is in inches)	PLATES	W	LEN	Y	X
JT	TMVW-p	MT20	5.0	6.0	1.75 3.25
B	TMVW-t	MT20	4.0	4.0	2.00 1.50
C	TS-t	MT20	3.0	6.0	
D	TTWW-m	MT20	5.0	6.0	2.25 1.50
E	TTW-m	MT20	4.0	4.0	
F	TS-t	MT20	3.0	6.0	
G	TMVW-t	MT20	4.0	4.0	2.00 1.50
H	TMVW-p	MT20	5.0	6.0	1.75 3.25
I	BMV1+p	MT20	3.0	4.0	
K	BMVW-t	MT20	4.0	6.0	2.00 2.00
L	BMVW-t	MT20	4.0	9.0	
M	BS-t	MT20	3.0	6.0	
N	BMVW-t	MT20	4.0	4.0	
O	BMVW-t	MT20	4.0	6.0	2.00 2.00
P	BMVW-t	MT20	4.0	6.0	
Q	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	REQRD
	GROSS REACTION	MECHANICAL	GROSS REACTION	MECHANICAL		
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX
Q	2162	0	2162	0	0	5-8
K	2162	0	2162	0	0	5-8

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

UNFACTORED REACTIONS

1ST CASE	MAX. MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD
Q	1607	915/0	302/0	0/0	0/0	390/0
K	1607	915/0	302/0	0/0	0/0	390/0

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

BRACING

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

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

1 LATERAL BRACE(S) AT 1/2 LENGTH OF 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.	FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX CSI (LC)	MAX UNBRACED LENGTH	MEMB.	MAX. FORCE (LBS)	FACTORED MAX CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	0/42	-102.1 -102.1	0.14 (1)	10.00	P-C	-90/178	0.05 (1)
B-C	-2188/0	-102.1 -102.1	0.80 (1)	3.99	C-O	-541/0	0.25 (1)
C-D	-1791/0	-102.1 -102.1	0.54 (1)	4.39	O-E	0/571	0.13 (1)
D-E	-1791/0	-102.1 -102.1	0.54 (1)	4.39	E-M	0/2	0.00 (1)
E-F	-1402/0	-102.1 -102.1	0.35 (1)	5.10	M-F	0/573	0.13 (1)
F-G	-1793/0	-102.1 -102.1	0.54 (1)	4.39	M-H	-540/0	0.25 (1)
G-H	-1793/0	-102.1 -102.1	0.54 (1)	4.39	L-H	-92/177	0.05 (1)
H-I	-2167/0	-102.1 -102.1	0.80 (1)	3.99	B-P	0/1820	0.41 (1)
I-J	0/42	-102.1 -102.1	0.14 (1)	10.00	L-I	0/1818	0.41 (1)
Q-B	-2088/0	0.0 0.0	0.22 (1)	5.88			
K-I	-2088/0	0.0 0.0	0.22 (1)	5.88			
Q-P	0/0	-38.5 -38.5	0.27 (3)	10.00			
P-O	0/1785	-38.5 -38.5	0.49 (2)	10.00			
O-N	0/1401	-38.5 -38.5	0.35 (2)	10.00			
N-M	0/1401	-38.5 -38.5	0.35 (2)	10.00			
M-L	0/1785	-38.5 -38.5	0.49 (2)	10.00			
L-K	0/0	-38.5 -38.5	0.27 (3)	10.00			

LICENSED PROFESSIONAL

04/05/11

H. J. G. ALLI

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	29.0	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	10.5	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	52.5	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 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018
- CSA 086-14
- TPIC 2014

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.96")
CALCULATED VERT. DEFL. (LL) = L/999 (0.08")
ALLOWABLE DEFL. (TL) = L/360 (0.96")
CALCULATED VERT. DEFL. (TL) = L/999 (0.14")

CSK: TC=0.80/1.00 (B-C:1), BC=0.49/1.00 (O-P:2), WB=0.41/1.00 (B-P:1), SS=0.24/1.00 (H-I:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

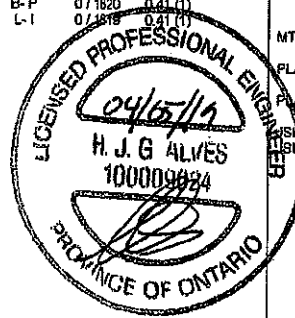
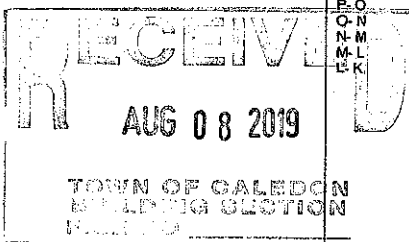
PLATE GRIP(DRY)	SHEAR (PS)	SECTION (PL)
MT20	650	371
	1747	788
	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

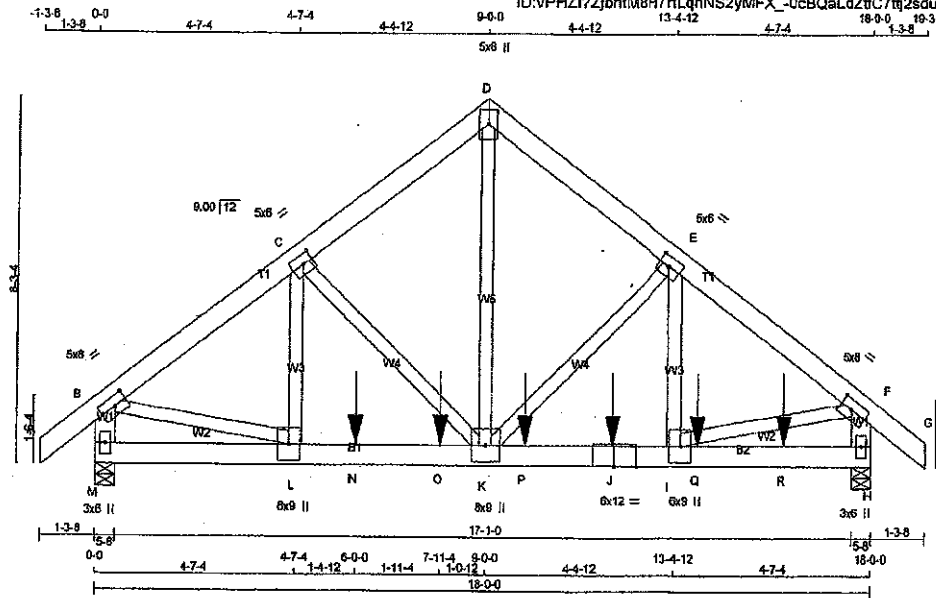
PLATE ROTATION TOL. = 5.0 Deg.

GRIP=0.90 (B) (INPUT = 0.50)
METAL=0.48 (N) (INPUT = 1.00)

DRWG NO. TAM 11207165
STRUCTURAL
COMPONENT ONLY



JOB NAME 402113	TRUSS NAME T7	QUANTITY 1	PLY 3	JOB DESC. GREEN PARK HOMES	DRWG NO. T7
Tamarack Roof Truss, Burlington				Version 8.230 S Nov 17 2018 Mittek Industries, Inc. Fri Apr 5 14:26:07 2019 Page 1 ID:vPHZ17ZjbntM8H7hLqhNS2yMFX_cCBQal.dZfC7tj2sduBtcv7X1WWq7QhmDVJ4KzTlh	



TOTAL WEIGHT = 3 X 123 = 368 lb

LUMBER			
N.L.G.A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - D	2x8 DRY	No.2	SPF
D - G	2x8 DRY	No.2	SPF
M - B	2x8 DRY	No.2	SPF
H - F	2x8 DRY	No.2	SPF
M - J	2x8 DRY	No.2	SPF
J - H	2x8 DRY	No.2	SPF
ALL WEBS EXCEPT	2x4 DRY	No.2	SPF

DRY, SEASONED LUMBER

DESIGN CONSISTS OF 3 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS: (0.122"x3") SPIRAL NAILS			
A-D	2	12	TOP
D-G	2	12	TOP
M-B	2	12	TOP
H-F	2	12	TOP
BOTTOM CHORDS: (0.122"x3") SPIRAL NAILS			
M-J	2	4	SIDE (1462.3)
J-H	2	4	SIDE (553.9)
WEBS: (0.122"x3") SPIRAL NAILS			
2x4	1	6	

STAGGER NAILS BY HALF THE SURFACE SPACING IN ADJACENT PLIES.

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-I	MT20	5.0	6.0	2.50	3.50
C TMVW-I	MT20	5.0	6.0	2.50	2.75
D TMVW-p	MT20	5.0	6.0		
E TMVW-I	MT20	5.0	6.0	2.50	2.75
F TMVW-I	MT20	5.0	6.0	2.50	3.50
H BMV1+p	MT20	3.0	6.0		
I BMVW-H	MT20	6.0	9.0		
J BS-I	MT20	6.0	12.0		
K BMVW-H	MT20	8.0	6.0		
L BMVW-H	MT20	6.0	9.0		
M BMV1+p	MT20	3.0	6.0		

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	VERT	GROSS REACTION	HORIZ	DOWN	HORIZ	UP/LIFT	IN-SX	IN-SX	BRG
M	7304	0	7304	0	0	5-8	5-8	5-8	
H	9618	0	9618	0	0	5-8	5-8	5-8	

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
M	5445	2992 / 0	1002 / 0	0 / 0	1450 / 0	0 / 0
H	7140	4066 / 0	1291 / 0	0 / 0	1793 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.49 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		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD LC1	MAX. (PLF)	MEMB.	FORCE (LBS)	MAX. (LBS)	CS1 (LC)
FR-TO				FR-TO			
A-B	0 / 44	-102.1	-102.1 0.02 (1)	10.00	K-D	0 / 8905	0.48 (1)
B-C	-9130 / 0	-102.1	-102.1 0.11 (1)	4.77	K-E	-3022 / 0	0.47 (1)
C-D	-7810 / 0	-102.1	-102.1 0.09 (1)	5.09	I-E	0 / 3315	0.18 (1)
D-E	-7805 / 0	-102.1	-102.1 0.10 (1)	5.08	C-K	-1494 / 0	0.23 (1)
E-F	-10478 / 0	-102.1	-102.1 0.13 (1)	4.49	L-C	0 / 1406	0.08 (1)
F-G	0 / 44	-102.1	-102.1 0.02 (1)	10.00	B-L	0 / 7373	0.47 (1)
M-B	-7459 / 0	0.0	0.0 0.16 (1)	6.58	I-F	0 / 6570	0.48 (1)
H-F	-8905 / 0	0.0	0.0 0.18 (1)	6.23			
M-L	0 / 0	-38.5	-38.5 0.25 (1)	10.00			
L-N	0 / 7301	-38.5	-38.5 0.86 (1)	10.00			
N-O	0 / 7301	-38.5	-38.5 0.86 (1)	10.00			
O-K	0 / 7301	-38.5	-38.5 0.86 (1)	10.00			
K-P	0 / 8373	-38.5	-38.5 0.86 (1)	10.00			
P-J	0 / 8373	-38.5	-38.5 0.86 (1)	10.00			
J-I	0 / 8373	-38.5	-38.5 0.86 (1)	10.00			
I-Q	0 / 0	-38.5	-38.5 0.49 (1)	10.00			
Q-R	0 / 0	-38.5	-38.5 0.49 (1)	10.00			
R-H	0 / 0	-38.5	-38.5 0.49 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TOTAL
J	11-11.4	-2123	-2123	---	BACK	VERT	---
N	6-0.0	-3482	-3482	---	BACK	VERT	---
Q	7-11.4	-2123	-2123	---	BACK	VERT	---
P	9-11.4	-2123	-2123	---	BACK	VERT	---
Q	13-11.4	-2123	-2123	---	BACK	VERT	---
R	15-11.4	-2123	-2123	---	BACK	VERT	---

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2015
- CSA 088-14
- TPIC 2014

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = 1/360 (0.60")
CALCULATED VERT. DEFL. (LL) = 1/999 (0.08")
ALLOWABLE DEFL. (TL) = 1/360 (0.60")
CALCULATED VERT. DEFL. (TL) = 1/999 (0.14")

CS1: TC=0.18/1.00 (F-H-1), BC=0.88/1.00 (H-K-1), WB=0.48/1.00 (D-K-1), SS=0.67/1.00 (H-I-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

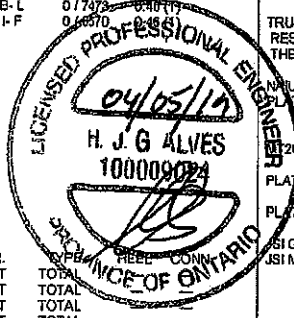
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

SI GRIP= 0.90 (F) (INPUT = 0.90)
SI METAL= 0.96 (J) (INPUT = 1.00)

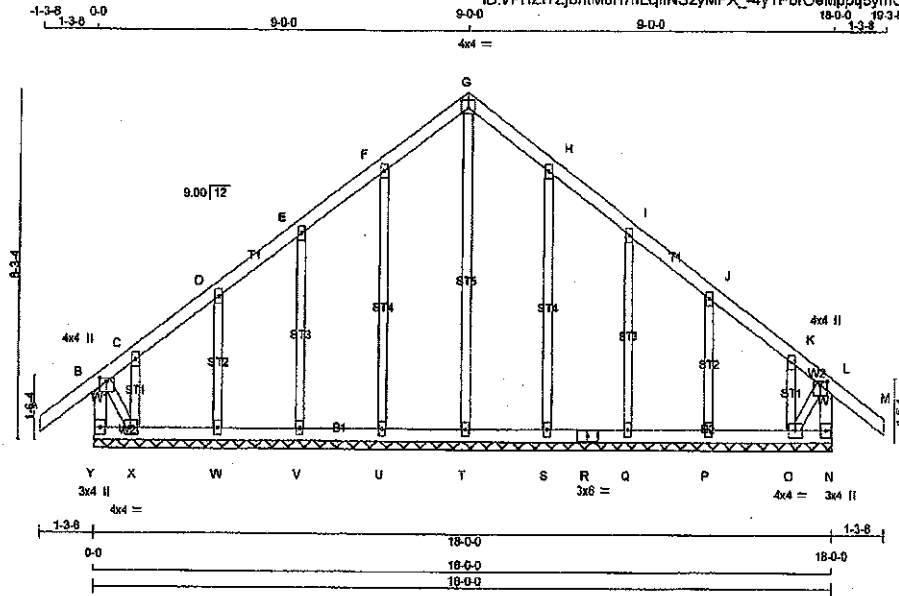


TOWN OF CALEDON
BUILDING SECTION

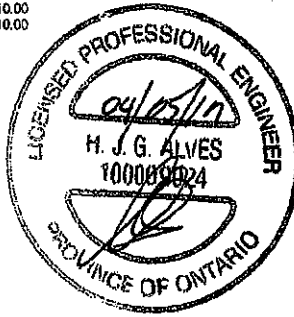
DWG NO. TAM 1947766
STRUCTURAL
COMPONENT ONLY

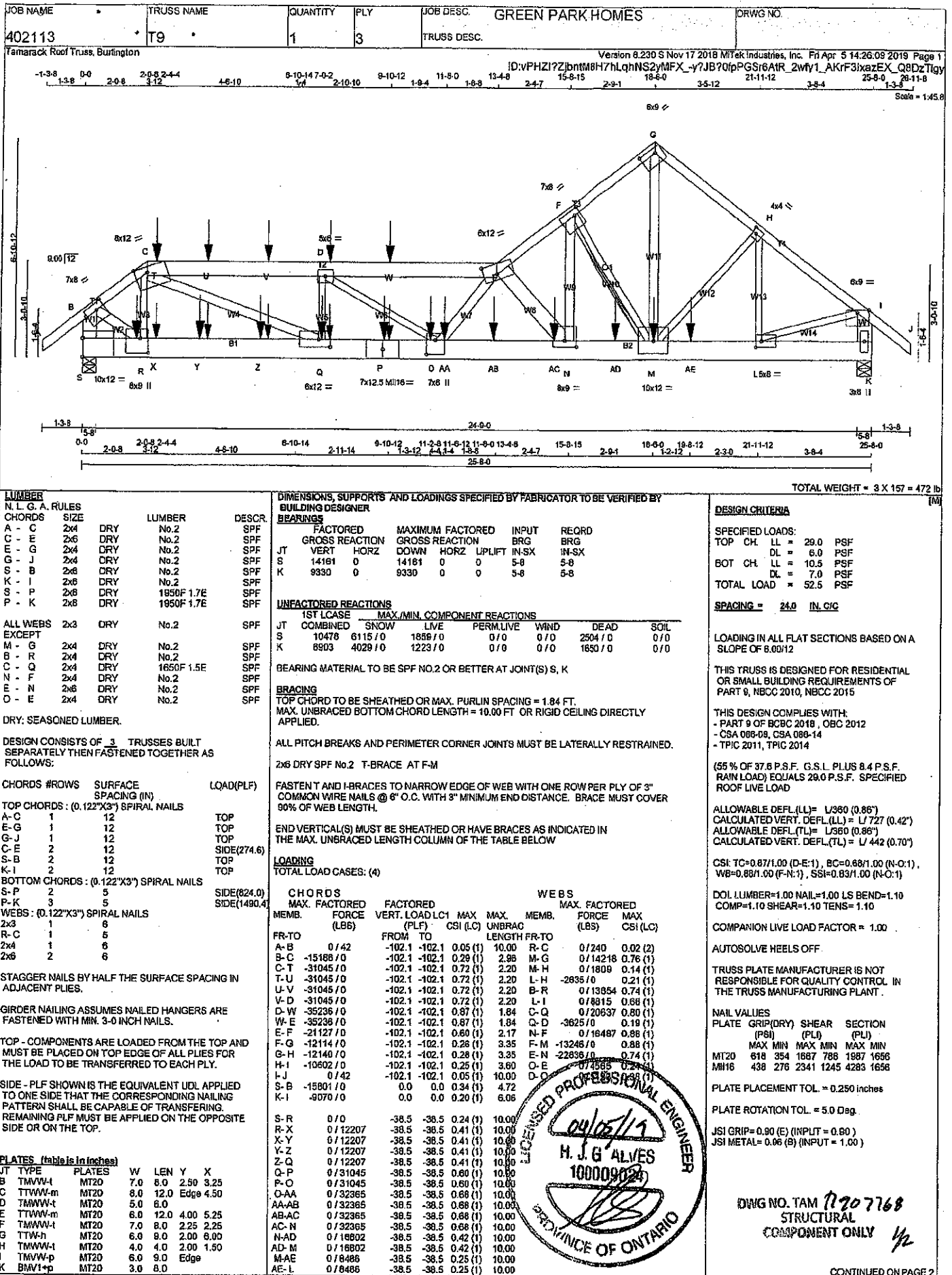
JOB NAME 402113	TRUSS NAME G8	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Fri Apr 5 14:25:48 2019 Page 1
ID: vPHZ7ZjbntM8H7hLqHNS2yMFX_4yYFbrOeMpqSymOF82kcccl1NEPtWuPmOpvwzTthH
18-0-0 10-3-8
1-3-8 0-0 9-0-0 9-0-0 9-0-0 1-3-8
Scale = 1:50.8



LUMBER N.L.G.A. RULES CHORDS SIZE LUMBER DESCR. Y - B 2x4 DRY No.2 SPF A - G 2x4 DRY No.2 SPF G - M 2x4 DRY No.2 SPF N - L 2x4 DRY No.2 SPF Y - R 2x4 DRY No.2 SPF R - 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 G TMVW+w MT20 2.0 4.0 L TMVW+p MT20 4.0 4.0 2.25 2.00 N BMV1+p MT20 3.0 4.0 O BMVW1+ MT20 4.0 4.0 P, Q, S, T, U, V, W P BMV1+w MT20 2.0 4.0 R BS-4 MT20 3.0 6.0 X BMVW1+ MT20 4.0 4.0 Y BMV1+p MT20 3.0 4.0				CHORDS MAX. FACTORED FORCE (LBS) FACTORED VERT. LOAD (PLF) MAX. FACTORED VERT. LOAD (PLF) MAX. FACTORED VERT. LOAD (PLF) MAX. FACTORED VERT. LOAD (PLF) FR-TO FROM TO Y-B -322 / 0 0.0 0.0 0.03 (1) 7.81 T-G -159 / 0 0.21 (1) A-B 0 / 42 -102.1 -102.1 0.14 (1) 10.00 U-F -233 / 0 0.18 (1) B-C -83 / 0 -102.1 -102.1 0.13 (1) 6.25 V-E -192 / 0 0.08 (1) C-D -19 / 0 -102.1 -102.1 0.05 (1) 6.25 W-D -215 / 0 0.05 (1) D-E -21 / 0 -102.1 -102.1 0.05 (1) 6.25 X-C -44 / 0 0.01 (1) E-F -11 / 0 -102.1 -102.1 0.06 (1) 6.25 S-H -233 / 0 0.18 (1) F-G -23 / 0 -102.1 -102.1 0.06 (1) 6.25 Q-I -192 / 0 0.08 (1) G-H -23 / 0 -102.1 -102.1 0.06 (1) 6.25 P-J -215 / 0 0.05 (1) H-I -11 / 0 -102.1 -102.1 0.06 (1) 6.25 O-K -44 / 0 0.01 (1) I-J -21 / 0 -102.1 -102.1 0.05 (1) 6.25 B-X 0 / 35 0.01 (1) J-K -18 / 0 -102.1 -102.1 0.05 (1) 6.25 O-L 0 / 35 0.01 (1) K-L -83 / 0 -102.1 -102.1 0.13 (1) 6.25 L-M 0 / 42 -102.1 -102.1 0.14 (1) 10.00 N-L -322 / 0 0.0 0.0 0.03 (1) 7.81 Y-X 0 / 0 -38.5 -38.5 0.02 (3) 10.00 X-W 0 / 21 -38.5 -38.5 0.03 (2) 10.00 W-V 0 / 15 -38.5 -38.5 0.03 (3) 10.00 V-U 0 / 12 -38.5 -38.5 0.02 (3) 10.00 U-T 0 / 8 -38.5 -38.5 0.02 (3) 10.00 T-S 0 / 8 -38.5 -38.5 0.02 (3) 10.00 S-R 0 / 12 -38.5 -38.5 0.02 (3) 10.00 R-Q 0 / 12 -38.5 -38.5 0.02 (3) 10.00 Q-P 0 / 15 -38.5 -38.5 0.03 (3) 10.00 P-O 0 / 21 -38.5 -38.5 0.03 (2) 10.00 O-N 0 / 0 -38.5 -38.5 0.02 (3) 10.00				DESIGN CRITERIA SPECIFIED LOADS: TOP CH. LL = 28.0 PSF DL = 6.0 PSF BOT CH. LL = 10.5 PSF DL = 7.0 PSF TOTAL LOAD = 52.5 PSF SPACING = 24.0 IN. O.C. THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2015 THIS DESIGN COMPLIES WITH: - PART 9 OF BCBC 2015 - CSA 086-14 - TPIC 2014 DESIGN ASSUMPTIONS -OVERHANG NOT TO BE ALTERED OR CUT OFF. (55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD CSI: TC=0.14/1.00 (A-B-1), BC=0.03/1.00 (O-P-2), WE=0.21/1.00 (G-T-1), SI=0.09/1.00 (A-B-1) DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10 COMPANION LIVE LOAD FACTOR = 1.00 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 650 371 1747 788 1987 1873 PLATE PLACEMENT TOL. = 0.250 inches PLATE ROTATION TOL. = 5.0 Deg. JSI GRIP= 0.47 (X) (INPUT = 0.80) JSI METAL= 0.12 (H) (INPUT = 1.00) DWG NO. TAM 1907767 STRUCTURAL COMPONENT ONLY			
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JOB NAME 402113	TRUSS NAME T9	QUANTITY 1	PLY 3	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Fri Apr 5 14:26:09 2019 Page 2 ID:vPHZJ2ZibnM8H7hLghNS2yMFX -y7JB70fpPGSreAIR 2wfy1 AKrF3lxazEX Q8DzTlgy	

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
L	BMWWH	MT20	5.0	8.0	2.50	2.25
M	BMWWH	MT20	10.0	12.0		
N	BMWWH	MT20	8.0	9.0	2.50	4.50
O	BMWWH	MT20	7.0	8.0	5.50	3.50
P	BS-I	MT16	7.0	12.5		
Q	BMWWH	MT20	6.0	12.0	3.00	4.50
R	BMWWH	MT20	8.0	9.0	5.50	3.00
S	BMVH	MT20	10.0	12.0	7.25	

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

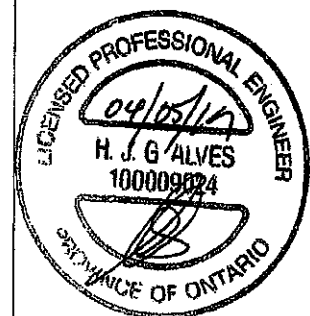
LOADING

TOTAL LOAD CASES: (4)

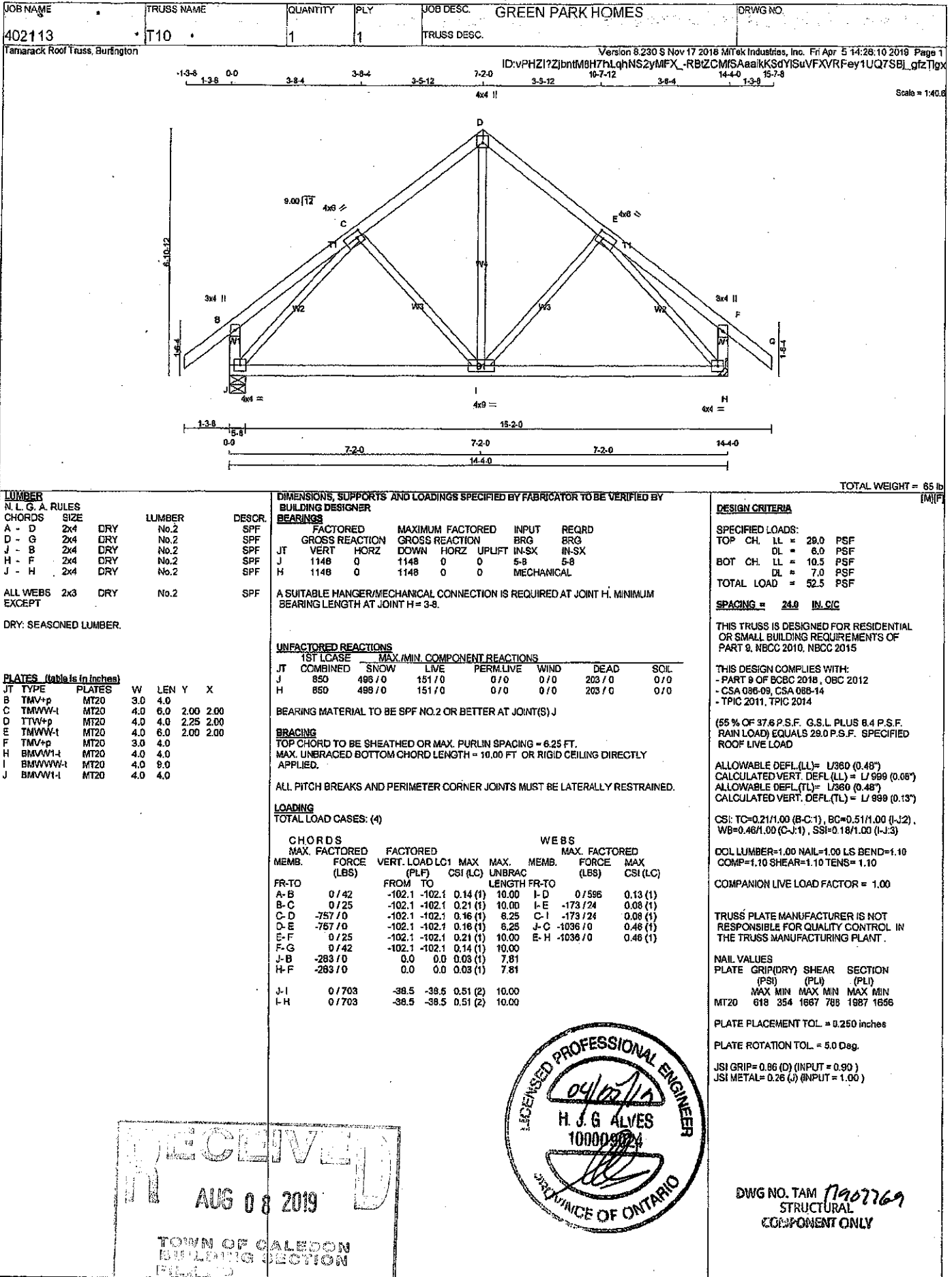
CHORDS				WEBS			
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 (LC)	MAX UNBRAC	MEMB.	FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM TO		LENGTH	FR-TO		
L-K	0/0	-38.5 -38.5	0.05 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR	TYPE	HEEL	CONN.
D	7-11-12	-2	-2		FRONT	VERT	TOTAL		
M	18-6-0	-729	-729		BACK	VERT	TOTAL		
O	11-2-8	-688	-688		FRONT	VERT	TOTAL		
P	9-8-12	-2123	-2123		BACK	VERT	TOTAL		
Q	9-10-12	-1	-1		FRONT	VERT	TOTAL		
R	7-8-12	-2123	-2123		BACK	VERT	TOTAL		
T	7-11-12	-1	-1		FRONT	VERT	TOTAL		
U	1-8-12	-2123	-2123		BACK	VERT	TOTAL		
V	2-4-4	-37	-37		FRONT	VERT	TOTAL		
W	3-11-12	-2	-2		FRONT	VERT	TOTAL		
X	5-11-12	-2	-2		FRONT	VERT	TOTAL		
Y	0-10-12	-2	-2		FRONT	VERT	TOTAL		
Z	2-4-4	-1	-1		FRONT	VERT	TOTAL		
AA	3-8-12	-2123	-2123		BACK	VERT	TOTAL		
AB	3-11-12	-1	-1		FRONT	VERT	TOTAL		
AC	5-8-12	-2123	-2123		BACK	VERT	TOTAL		
AD	5-11-12	-1	-1		FRONT	VERT	TOTAL		
AE	11-8-0	-3922	-3922		BACK	VERT	TOTAL		
	13-3-4	-729	-729		BACK	VERT	TOTAL		
	15-3-4	-729	-729		BACK	VERT	TOTAL		
	17-3-4	-729	-729		BACK	VERT	TOTAL		
	19-8-12	-1407	-1407		BACK	VERT	TOTAL		



DWG NO. TAM 1407768
STRUCTURAL
COMPONENT ONLY 3/2

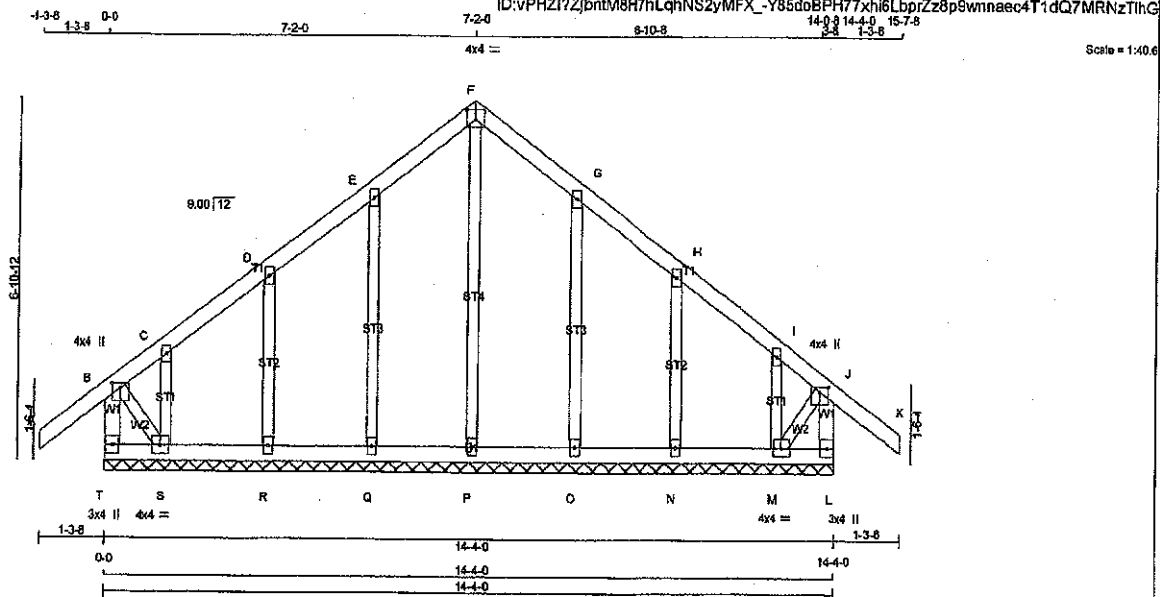


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
402113	G10	1	1	GREEN PARK HOMES	

Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Fri Apr 5 14:25:49 2019 Page 1

ID: vPHZi7ZjntM8H7hLqhNS2yMFX_-Y85doBPH77xhi6LbprZz8p8wnnaec4T1dQ7MRNzTihG



Scale = 1/40.6

LUMBER

N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
T - B	2x4	DRY	No.2
A - F	2x4	DRY	No.2
F - K	2x4	DRY	No.2
L - J	2x4	DRY	No.2
T - L	2x4	DRY	No.2

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

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

PLATES (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, G, H, I					
C TMVW+w	MT20	2.0	4.0		
F TMVW+p	MT20	4.0	4.0	2.25	2.00
L BMV1+p	MT20	3.0	4.0		
M BMVW1-i	MT20	4.0	4.0		
N, O, P, Q, R					
N BMV1+w	MT20	2.0	4.0		
S BMVW1-i	MT20	4.0	4.0		
T 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 = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

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

CHORDS

MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX (LC)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO					FR-TO		
T-B	-310 / 0	0.0	0.0 0.03 (1)	7.81	P-F	-160 / 0	0.13 (1)
A-B	0 / 42	-102.1	-102.1 0.14 (1)	10.00	Q-E	-229 / 0	0.10 (1)
B-C	-72 / 0	-102.1	-102.1 0.13 (1)	8.25	R-D	-209 / 0	0.05 (1)
C-D	-14 / 0	-102.1	-102.1 0.05 (1)	8.25	S-C	-65 / 0	0.01 (1)
D-E	-13 / 0	-102.1	-102.1 0.06 (1)	8.25	O-G	-228 / 0	0.10 (1)
E-F	-22 / 0	-102.1	-102.1 0.08 (1)	8.25	N-H	-209 / 0	0.05 (1)
F-G	-22 / 0	-102.1	-102.1 0.08 (1)	8.25	M-I	-85 / 0	0.01 (1)
G-H	-13 / 0	-102.1	-102.1 0.08 (1)	8.25	B-S	0 / 29	0.01 (1)
H-I	-14 / 0	-102.1	-102.1 0.05 (1)	8.25	M-J	0 / 28	0.01 (1)
I-J	-72 / 0	-102.1	-102.1 0.13 (1)	6.25			
J-K	0 / 42	-102.1	-102.1 0.14 (1)	10.00			
L-J	-310 / 0	0.0	0.0 0.03 (1)	7.81			

T-S	0 / 0	-38.5	-38.5 0.02 (3)	10.00
S-R	0 / 17	-38.5	-38.5 0.03 (2)	10.00
R-Q	0 / 12	-38.5	-38.5 0.03 (3)	10.00
Q-P	0 / 8	-38.5	-38.5 0.02 (3)	10.00
P-O	0 / 8	-38.5	-38.5 0.02 (3)	10.00
O-N	0 / 12	-38.5	-38.5 0.03 (3)	10.00
N-M	0 / 17	-38.5	-38.5 0.03 (2)	10.00
M-L	0 / 0	-38.5	-38.5 0.02 (3)	10.00

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF

DL = 8.0 PSF

BOT CH. LL = 10.5 PSF

DL = 7.0 PSF

TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018

- CSA 086-14

- TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F.

RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED

ROOF LIVE LOAD

CSI: TC=0.14/1.00 (J-K-1), BC=0.03/1.00 (R-S-2),

WB=0.13/1.00 (F-P-1), SS=0.09/1.00 (J-K-1)

DCL LUMBER=1.00 NAIL=1.00 LS BEND=1.10

COMP=1.10 SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

TRUSS PLATE MANUFACTURER IS NOT

RESPONSIBLE FOR QUALITY CONTROL IN

THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE GRIP (DRY) SHEAR SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

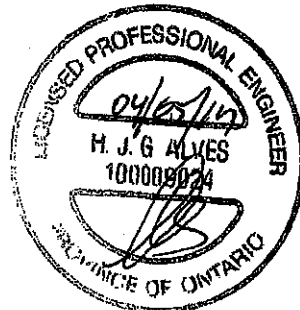
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

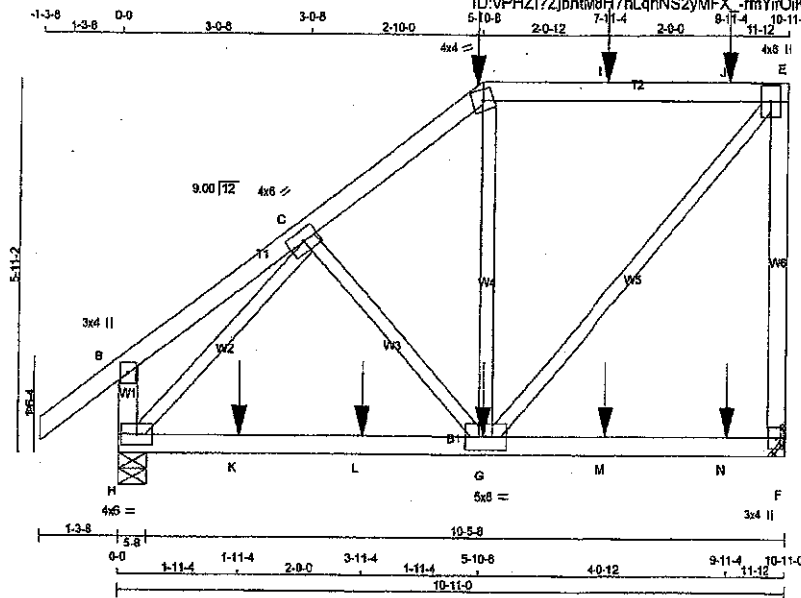
JSI GRIP= 0.22 (J) (INPUT = 0.90)

JSI METAL= 0.12 (E) (INPUT = 1.00)



DWG NO. TAM 17907720
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
402113	T11Z	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington					
TRUSS DESC.					



Scale = 1:33.8

TOTAL WEIGHT = 53 LB

LUMBER

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

ALL WEBS 2x3 DRY No.2 EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMAV-p	MT20	3.0	4.0		
C	TMAVW-I	MT20	4.0	6.0		
D	TTW-m	MT20	4.0	4.0		
E	TMAVW-p	MT20	4.0	6.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMVWW-I	MT20	5.0	8.0		
H	BMVW1-I	MT20	4.0	6.0		

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
F	1446	0	1446	0
H	1375	0	1375	0

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

UNFACTORED REACTIONS

JT	1ST CASE	SNOW	MAX	MIN	COMPONENT REACTIONS
F	1076	807 / 0	205 / 0	0 / 0	DEAD
H	1026	572 / 0	199 / 0	0 / 0	SOIL

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.87 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	FACTORED VERT. LOAD (LBS)	MAX. FACTORED FORCE (LBS)	WEBS	MAX. FACTORED FORCE (LBS)
FR-TO							
A-B	0 / 42	-102.1	-102.1	0.15 (1)	10.00	C-G	-23 / 68
B-C	0 / 20	-102.1	-102.1	0.15 (1)	10.00	G-D	-132 / 48
C-D	-1049 / 0	-102.1	-102.1	0.16 (1)	5.92	D-E	-107 / 38
D-E	-813 / 0	-102.1	-102.1	0.81 (1)	4.87	E-F	-107 / 38
E-F	-813 / 0	-102.1	-102.1	0.81 (1)	4.87	F-G	-107 / 38
F-G	-1332 / 0	0.0	0.0	0.90 (1)	6.98	G-H	-107 / 38
H-B	-257 / 0	0.0	0.0	0.03 (1)	7.87	H-I	-107 / 38
I-K	0 / 836	-38.5	-38.5	0.81 (2)	10.00	K-L	-38.5
K-L	0 / 836	-38.5	-38.5	0.81 (2)	10.00	L-G	-38.5
L-G	0 / 836	-38.5	-38.5	0.81 (2)	10.00	G-M	-38.5
G-M	0 / 0	-38.5	-38.5	0.51 (3)	10.00	M-N	-38.5
M-N	0 / 0	-38.5	-38.5	0.51 (3)	10.00	N-F	-38.5

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX	MAX+	FACE	DIR	TOTAL
D	5-10.8	-577	-577	---	BACK	VERT	TOTAL
G	5-11.4	-67	-73	---	BACK	VERT	TOTAL
I	7-11.4	-123	-123	---	BACK	VERT	TOTAL
J	9-11.4	-124	-124	---	BACK	VERT	TOTAL
K	1-11.4	-75	-85	---	BACK	VERT	TOTAL
L	3-11.4	-75	-85	---	BACK	VERT	TOTAL
M	7-11.4	-57	-73	---	BACK	VERT	TOTAL
N	9-11.4	-67	-73	---	BACK	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

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

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

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = $L/360$ (0.36")
CALCULATED VERT. DEFL. (LL) = $L/599$ (0.09")
ALLOWABLE DEFL. (TL) = $L/360$ (0.36")
CALCULATED VERT. DEFL. (TL) = $L/879$ (0.15")

CSI: TC=0.90/1.00 (E-F:1), BC=0.61/1.00 (G-H:2), WB=0.43/1.00 (C-H:1), SS=0.35/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LBS BEND=1.00

COMP=1.00 SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (FLI)
MAX MIN MAX MIN MAX MIN
MT20 616 354 1667 758 1997 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.83 (C) (INPUT = 0.90)

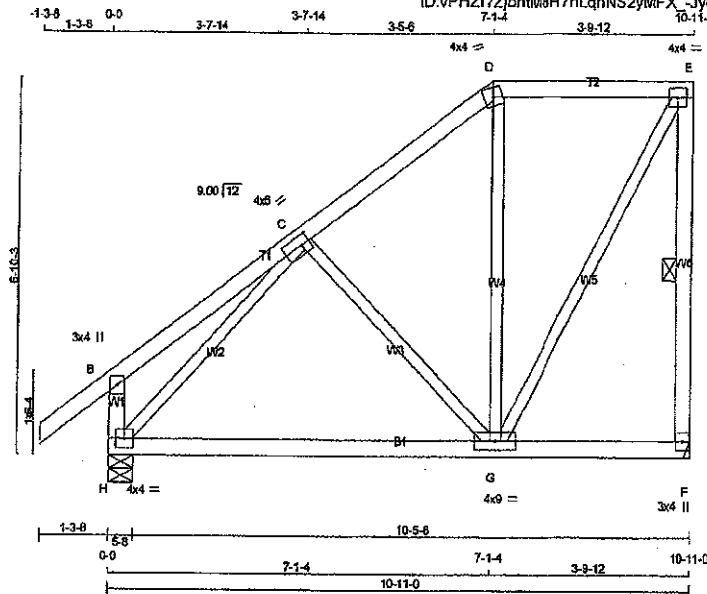
JSI METAL= 0.37 (E) (INPUT = 1.00)

DWG NO. TAM 1790772
STRUCTURAL
COMPONENT ONLY

JOB NAME 402113	TRUSS NAME T12	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	TRUSS DESC.	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Fri Apr 5 14:28:14 2019 Page 1
ID:VPHZ1ZJbntM8H7hLghNS2yMFX -Jy642kiyEp58CymOnbWrf5hBKs10zLqjNph8pQzTig



Scale = 1/32"

LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - D 2x4 DRY No.2

D - E 2x4 DRY No.2

F - E 2x4 DRY No.2

H - B 2x4 DRY No.2

H - F 2x4 DRY No.2

ALL WEBS 2x3 DRY No.2

EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	3.0	4.0		
C	TMVW-l	MT20	4.0	6.0	2.00	2.00
D	TTW-m	MT20	4.0	4.0		
E	TMVW-l	MT20	4.0	4.0		
F	BMV1+p	MT20	3.0	4.0		
G	BMVW-l	MT20	4.0	9.0		
H	BMVW-l	MT20	4.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
F	767	DOWN	0	0
H	908	DOWN	0	0

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	573	317/0	115/0	0/0	0/0	142/0	0/0
H	670	397/0	115/0	0/0	0/0	158/0	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.

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	WEBS
FR-TO	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
A-B	0/42	-234/0
B-C	0/28	-68/74
C-D	-418/0	0/833
D-E	-311/0	-700/0
E-F	-744/0	
F-G	-279/0	
H-G	0/474	
G-F	0/0	

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 29.0 PSF
	DL = 6.0 PSF
BOT CH.	LL = 10.5 PSF
	DL = 7.0 PSF
TOTAL LOAD	= 52.5 PSF

SPACING = 24.0 IN. C/C

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

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

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

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.36")
CALCULATED VERT. DEFL.(LL) = $L/609$ (0.10")
ALLOWABLE DEFL.(TL) = $L/360$ (0.36")
CALCULATED VERT. DEFL.(TL) = $L/766$ (0.17")

CSI: TC=0.21/1.00 (B-C:1), BC=0.38/1.00 (G-H:2), WB=0.31/1.00 (C-H:1), SS=0.17/1.00 (G-H: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

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

NAIL VALUES

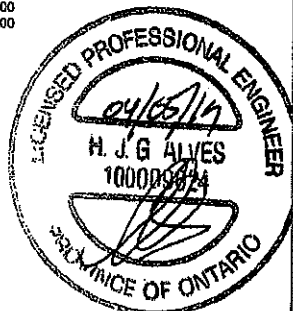
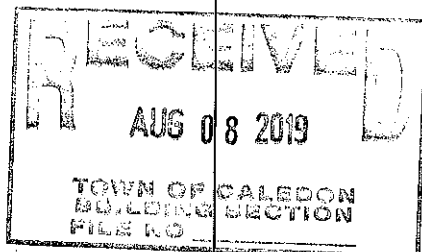
PLATE	GRIP(DRY)	SHEAR	SECTION
(PS)	(PL)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	618 354	1687 788	1587 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

ISI GRIP= 0.72 (E) (INPUT = 0.90)
ISI METAL= 0.19 (E) (INPUT = 1.00)

DWG NO. TAM 190773
STRUCTURAL
COMPONENT ONLY



JOB NAME 402113	TRUSS NAME T13	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2016 MTek Industries, Inc. Fri Apr 5 14:26:15 2018 Page 1
ID:vPHZl?ZjhtM8H7hLqhNS2yMFx-n8gSG4ja76D?q5LaK14CIEMGNpioUscTrkLszTlgs

Scale = 1/32"

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

DRY: SEASONED LUMBER.

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG			
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
E	767	0	767	0	0	MECHANICAL	MECHANICAL
G	767	0	767	0	0	MECHANICAL	MECHANICAL

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

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	SNOW MAX/MIN	LIVE MAX/MIN	PERM/LIVE	WIND	DEAD	SOIL
E	573	317 / 0	115 / 0	0 / 0	0 / 0	142 / 0	0 / 0
G	573	317 / 0	115 / 0	0 / 0	0 / 0	142 / 0	0 / 0

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CS1 (LC)	
FR-TO		FROM	TO	LENGTH	FR-TO		
A-B	0 / 24	-102.1	-102.1	0.18 (1)	10.00	B-F	-198 / 3 0.08 (1)
B-C	-457 / 0	-102.1	-102.1	0.14 (1)	6.25	F-C	0 / 218 0.05 (3)
C-D	-434 / 0	-102.1	-102.1	0.24 (1)	6.25	G-E	-718 / 0 0.28 (1)
G-A	-130 / 0	0.0	0.0	0.01 (1)	7.81	F-D	0 / 425 0.10 (1)
E-D	-723 / 0	0.0	0.0	0.14 (1)	7.81		
G-F	0 / 480	-38.5	-38.5	0.34 (2)	10.00		
F-E	0 / 0	-38.5	-38.5	0.29 (3)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF
DL = 6.0 PSF

BOT CH. LL = 10.5 PSF
DL = 7.0 PSF

TOTAL LOAD = 52.5 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 8 OF BCBC 2018 , CBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.36")
CALCULATED VERT. DEFL(LL) = L/999 (0.07")
ALLOWABLE DEFL(TL)= L/360 (0.36")
CALCULATED VERT. DEFL(TL) = L/999 (0.12")

CSI: TC=0.24/1.00 (C-D:1), BC=0.34/1.00 (F-G:2), WB=0.28/1.00 (B-G:1), SS=0.16/1.00 (F-G:3)
COMB=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	1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

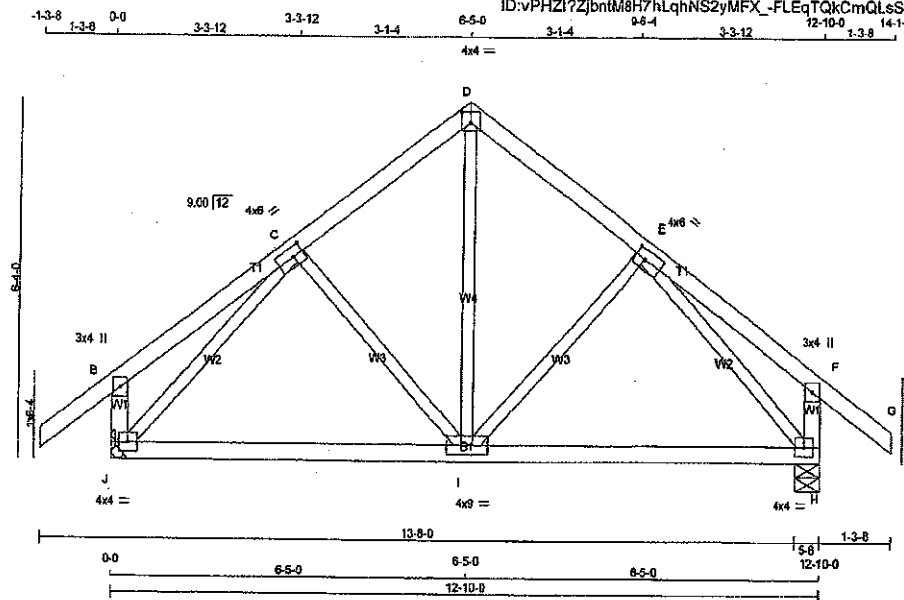
JSI GRIP= 0.71 (B) (INPUT = 0.60)
JSI METAL= 0.28 (B) (INPUT = 1.00)

DWG NO. TAM 17907774
STRUCTURAL COMPONENT ONLY

JOB NAME 402113	TRUSS NAME T14	QUANTITY 3	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Fri Apr 5 14:26:16 2019 Page 1
ID: vPHZi7ZjbntM8H7hLqhnS2yMFX_FLEqTQkCmQLsSFvnu0YJkVWmYcfiuREV777AlJzTlgr

Scale = 1:37.5



TOTAL WEIGHT = 3 X 59 = 176 lb (MIP)

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)	W	LEN	Y	X
JT TYPE PLATES				
B TMV+p MT20	3.0	4.0		
C TMVWV-t MT20	4.0	6.0	2.00	2.25
D TTW-p MT20	4.0	4.0	2.25	2.00
E TMVWV-t MT20	4.0	6.0	2.00	2.25
F TMV+p MT20	3.0	4.0		
H BMVWV-t MT20	4.0	4.0		
I BMVWV-t MT20	4.0	9.0		
J BMVWV-t MT20	4.0	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
J	1043	0	1043	0
H	1043	0	1043	0

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

UNFACTORED REACTIONS

1ST LCASE	MAX/MIN	COMPONENT REACTIONS
JT	COMBINED	SNOW LIVE PERM.LIVE WIND DEAD SOIL
J	771	453 / 0 135 / 0 0 / 0 0 / 0 183 / 0 0 / 0
H	771	453 / 0 135 / 0 0 / 0 0 / 0 183 / 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	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO					FR-TO			
A-B	0 / 42	-102.1	-102.1	0.14 (1)	10.00	I-D	0 / 516	0.12 (1)
B-C	0 / 22	-102.1	-102.1	0.16 (1)	10.00	I-E	-140 / 27	0.05 (1)
C-D	-663 / 0	-102.1	-102.1	0.13 (1)	8.25	C-I	-140 / 27	0.05 (1)
D-E	-663 / 0	-102.1	-102.1	0.13 (1)	8.25	J-C	-911 / 0	0.33 (1)
E-F	0 / 22	-102.1	-102.1	0.16 (1)	10.00	E-H	-911 / 0	0.33 (1)
F-G	0 / 42	-102.1	-102.1	0.14 (1)	10.00			
J-B	-289 / 0	0.0	0.0	0.03 (1)	7.81			
H-F	-289 / 0	0.0	0.0	0.03 (1)	7.81			
J-I	0 / 607	-38.5	-38.5	0.41 (2)	10.00			
I-H	0 / 607	-38.5	-38.5	0.41 (2)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2015
- CSA 088-14
- TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. (LL) = L/360 (0.43")
CALCULATED VERT. DEFL. (LL) = L/999 (0.05")
ALLOWABLE DEFL. (TL) = L/360 (0.43")
CALCULATED VERT. DEFL. (TL) = L/999 (0.06")

CSI: TC=0.16/1.00 (E-F), BC=0.41/1.00 (H-I), WB=0.33/1.00 (E-H), SSI=0.16/1.00 (H-I)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

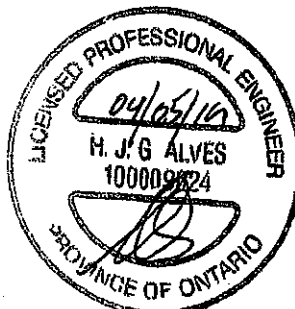
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

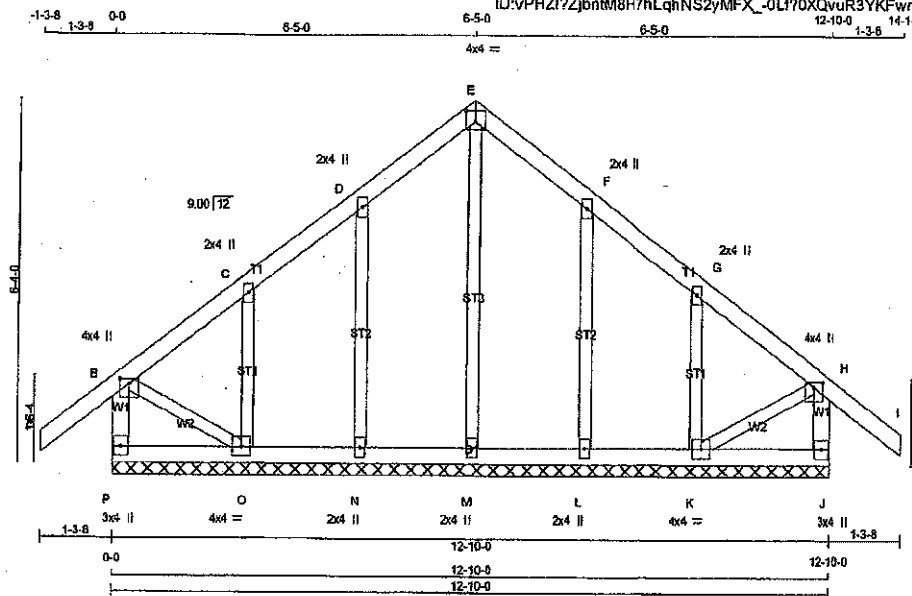
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.88 (D) (INPUT = 0.90)
JSI METAL= 0.21 (H) (INPUT = 1.00)



DWG NO. TAM 1907715
STRUCTURAL
COMPONENT ONLY

JOB NAME 402113	TRUSS NAME G14	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	



Scale = 1:37.1

LUMBER
N. L. C. A. RULES
CHORDS SIZE LUMBER DESCR.
P - B 2x4 DRY No.2 SPF
A - E 2x4 DRY No.2 SPF
E - I 2x4 DRY No.2 SPF
J - H 2x4 DRY No.2 SPF
P - J 2x4 DRY No.2 SPF

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

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

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, F, G					
C TMVW+p	MT20	2.0	4.0		
E TTV+p	MT20	4.0	4.0	2.25	2.00
H TMVW+p	MT20	4.0	4.0	1.00	2.00
J BMV1+p	MT20	3.0	4.0		
K BMVW1-i	MT20	4.0	4.0		
L, M, N					
L BMV1+p	MT20	2.0	4.0		
O BMVW1-i	MT20	4.0	4.0		
P 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 = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		WEBS	
	MAX. FACTORED	FACTORED	MAX. FACTORED	FACTORED
	FORCE (LBS)	VERT. LOAD LC1 (PLF)	FORCE (LBS)	FORCE (LBS)
FR-TO		FROM TO	FR-TO	
P-B	-275/0	0.0 0.0 0.03 (1)	M-E	-147/0
A-B	0/42	-102.1 -102.1 0.14 (1)	N-D	-219/4
E-C	-24/0	-102.1 -102.1 0.07 (1)	O-C	-243/0
C-D	-32/0	-102.1 -102.1 0.07 (1)	L-F	-219/0
D-E	-34/0	-102.1 -102.1 0.05 (1)	K-G	-243/0
E-F	-34/0	-102.1 -102.1 0.05 (1)	B-O	0/33
F-G	-32/0	-102.1 -102.1 0.07 (1)	K-H	0/33
G-H	-24/0	-102.1 -102.1 0.07 (1)		
H-I	0/42	-102.1 -102.1 0.14 (1)		
J-H	-275/0	0.0 0.0 0.03 (1)		
P-O	0/0	-38.5 -38.5 0.04 (3)		
O-N	0/23	-38.5 -38.5 0.04 (3)		
N-M	0/18	-38.5 -38.5 0.03 (3)		
M-L	0/18	-38.5 -38.5 0.03 (3)		
L-K	0/23	-38.5 -38.5 0.04 (3)		
K-J	0/0	-38.5 -38.5 0.04 (3)		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBC 2015
- CSA 086-14
- TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.14/1.00 (A-B:1), BC=0.04/1.00 (K-L:3), WB=0.09/1.00 (E-M:1), SS=0.09/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

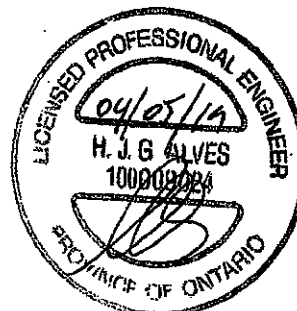
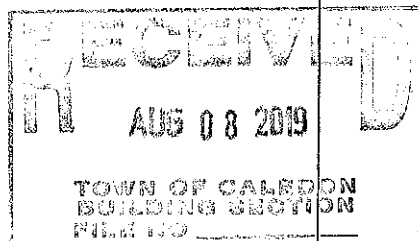
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN
MT20 850 371 1747 788 1987 1873

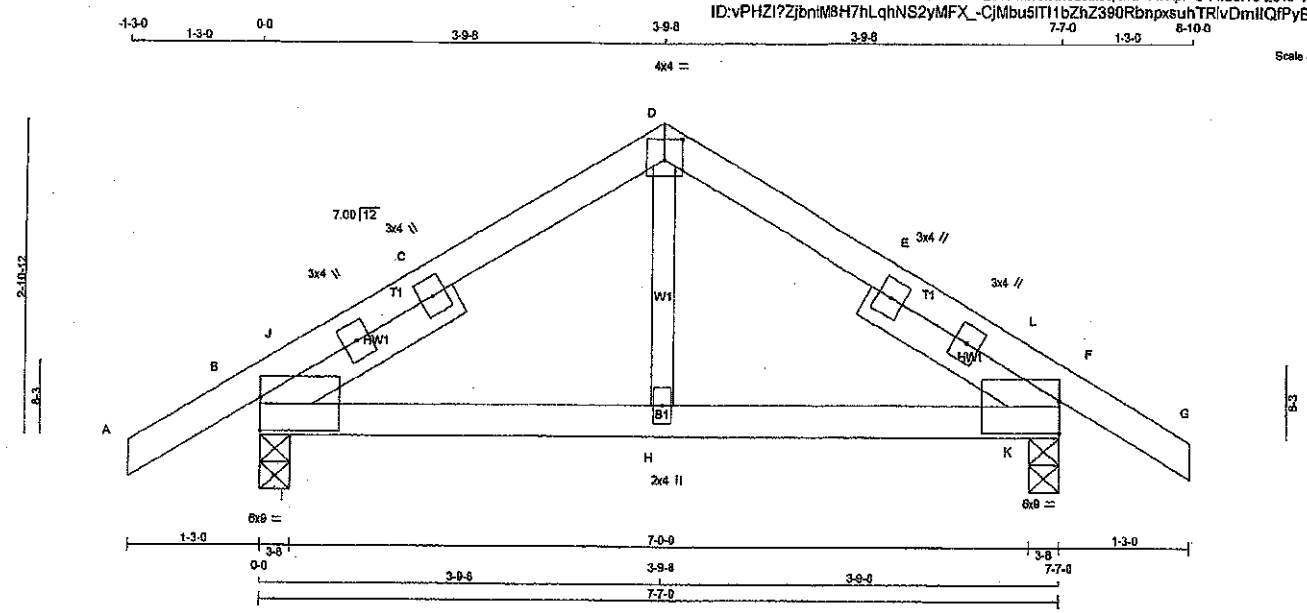
PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.21 (H) (INPUT = 0.80)
JSI METAL= 0.13 (C) (INPUT = 1.00)



DWG NO. TAM 11907776
STRUCTURAL
COMPONENT ONLY



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

REINFORCING MEMBERS
HW1 2x4 DRY No.2 SPF
HW2 2x4 DRY No.2 SPF

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

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMBMR1-I	MT20	6.0	9.0	3.75	
B, B, F, F						
D	RT-I	MT20	3.0	4.0		
D	TTW-p	MT20	4.0	4.0	2.25	2.00
F	TMBMR1-I	MT20	6.0	9.0	3.75	
H	BMW-w	MT20	2.0	4.0		

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

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	DOWN	IN-SX	IN-SX
B	668	0	3-8	3-8
F	668	0	3-8	3-8

UNFACTORED REACTIONS

	1ST LCASE	MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
B	491	297 / 0	80 / 0	0 / 0	0 / 0	114 / 0	0 / 0
F	491	297 / 0	80 / 0	0 / 0	0 / 0	114 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, F
BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 20	-102.1 -102.1	0.12 (1)	10.00	H-D	0 / 238	0.05 (2)
B-J	-438 / 0	-102.1 -102.1	0.03 (1)	6.25	I-J	0 / 180	0.00 (1)
J-C	-398 / 0	-102.1 -102.1	0.12 (1)	6.25	I-C	-242 / 0	0.03 (1)
C-D	-398 / 0	-102.1 -102.1	0.12 (1)	6.25	K-L	0 / 180	0.00 (1)
D-E	-398 / 0	-102.1 -102.1	0.12 (1)	6.25	K-E	-242 / 0	0.03 (1)
E-L	-398 / 0	-102.1 -102.1	0.08 (1)	8.25			
L-F	-438 / 0	-102.1 -102.1	0.08 (1)	8.25			
F-G	0 / 20	-102.1 -102.1	0.12 (1)	10.00			
B-I	0 / 262	-38.5 -38.5	0.13 (1)	10.00			
I-H	0 / 428	-38.5 -38.5	0.20 (1)	10.00			
H-K	0 / 428	-38.5 -38.5	0.20 (1)	10.00			
K-F	0 / 262	-38.5 -38.5	0.13 (1)	10.00			

DESIGN CRITERIA
SPECIFIED LOADS:
TOP CH. LL = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. G/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC2010, NBCC 2015

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC2018, OBC 2012
- CSA 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.25")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.01")
ALLOWABLE DEFL.(TL)= L/360 (0.25")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.01")

CS1: TC=0.12/1.00 (A-B-1), BC=0.20/1.00 (H-1), WB=0.05/1.00 (D-H-2), SSI=0.14/1.00 (F-K-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 768 1987 1656

PLATE PLACEMENT TOL = 0.250 inches
PLATE ROTATION TOL = 5.0 Deg.
JSI GRIP= 0.38 (D) (INPUT = 0.80)
JSI METAL= 0.19 (B) (INPUT = 1.00)

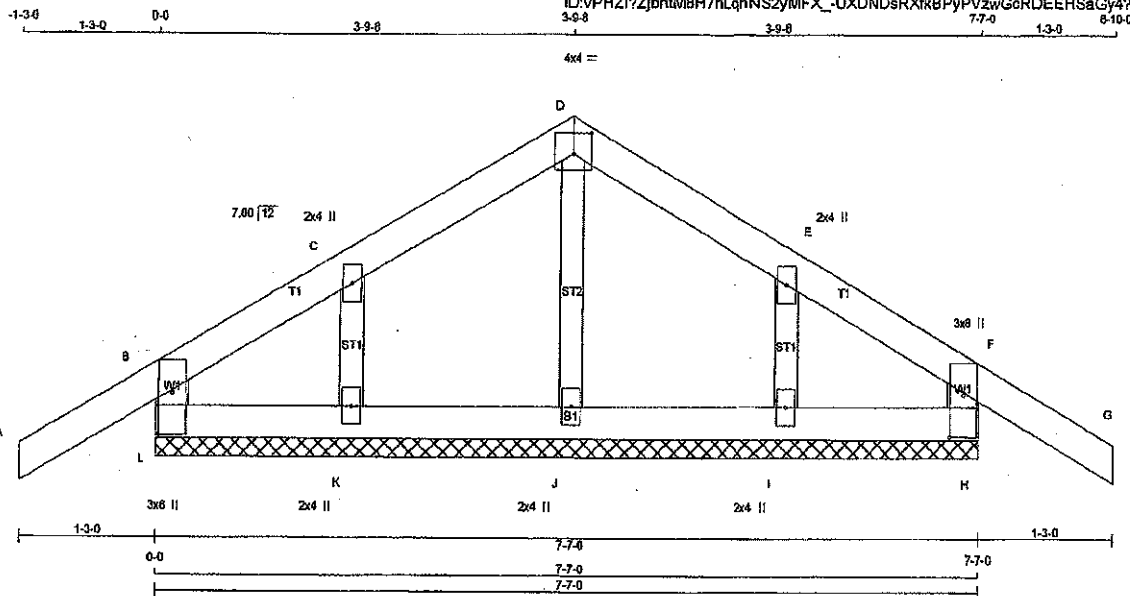
DRWG NO. TAM

19407777

STRUCTURAL

COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
402113	G15	1	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Fri Apr 5 14:25:51 2019 Page 1		ID: vPHZi?ZjbtM8H7hLqHNS2yMFX_-UXDNDsRXfKBPvPVzwGoRDEEHsGy4?EK6kcTWFzThE	
		3-9-8		7-7-0	



Scale = 1:10.1

TOTAL WEIGHT = 27 lb

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

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

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B, F, H, L					
C	TMW+ w	MT20	2.0	4.0	
D	TTW+ p	MT20	4.0	4.0	2.25 2.00
E	TMW+ w	MT20	2.0	4.0	
F	TMBMV1+ p	MT20	3.0	8.0	4.50 1.50
I, J, K					
I	BMW1+ w	MT20	2.0	4.0	
L	TMBMV1+ p	MT20	3.0	8.0	4.50 1.50

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 = 10.00 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 6.25 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS			WEBS		
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED FORCE (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)
FR-TO				FR-TO	
L-B	-231 / 0	0.0	0.0	J-D	-259 / 0
A-B	0 / 34	-102.1	-102.1	K-C	-162 / 0
B-C	-7 / 12	-102.1	-102.1	I-E	-162 / 0
C-D	-5 / 36	-102.1	-102.1		
D-E	-5 / 36	-102.1	-102.1		
E-F	-7 / 12	-102.1	-102.1		
F-G	0 / 34	-102.1	-102.1		
H-F	-231 / 0	0.0	0.0		
L-K	-19 / 8	-38.5	-38.5		
K-J	-27 / 4	-38.5	-38.5		
J-I	-27 / 4	-38.5	-38.5		
I-H	-19 / 8	-38.5	-38.5		

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 20.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 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
- CSA 088-08, CSA 088-14
- TPIC 2011, TPIC 2014

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

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.13/1.00 (A-B:1), BC=0.04/1.00 (H-I:1), WB=0.04/1.00 (D-J:1), SI=0.09/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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 1888

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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

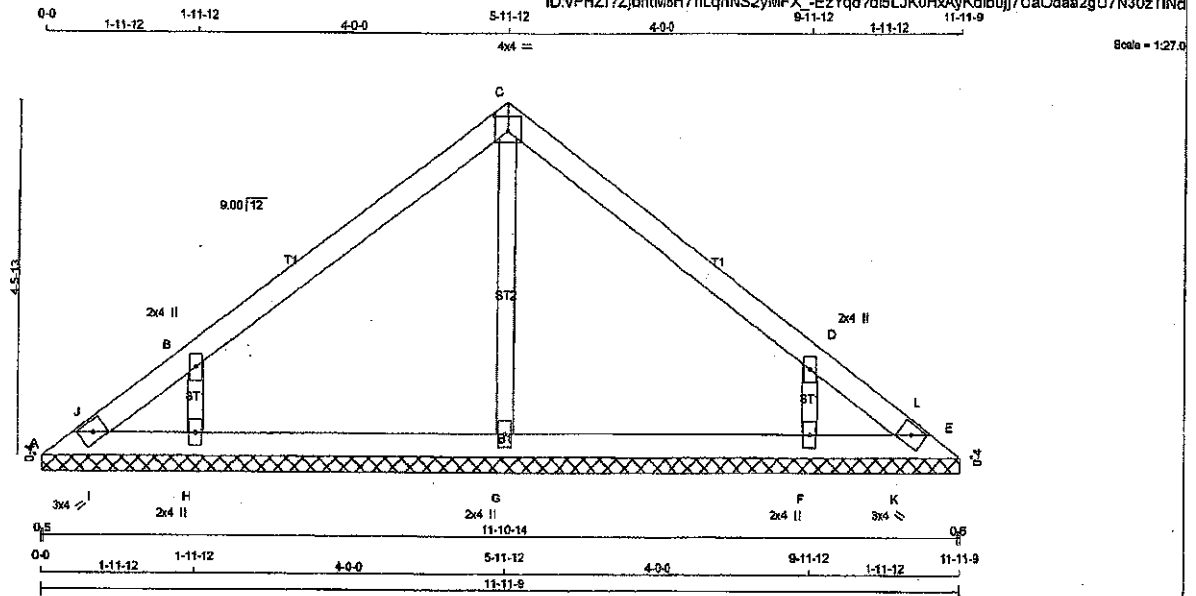


DRWG NO. TAM 7907778
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
402113	V1	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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TOTAL WEIGHT = 34 lb

LUMBER

N.L.G.A. RULES

CHORDS SIZE

A - C 2x4 DRY

C - E 2x4 DRY

A - E 2x4 DRY

ALL WEBS 2x3 DRY

DRY, SEASONED LUMBER

LUMBER

No.2

No.2

No.2

No.2

DESCR.

SPF

SPF

SPF

SPF

PLATES (table in inches)

JT TYPE

A TBM1-h

B TBM1-h

C TBM1-h

D TBM1-h

E TBM1-h

F TBM1-h

G TBM1-h

H TBM1-h

I TBM1-h

J TBM1-h

PLATES

MT20

MT20

MT20

MT20

MT20

MT20

MT20

MT20

MT20

MT20

W

LEN

Y

X

2.25

2.00

2.00

2.00

2.00

2.00

2.00

2.00

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REORD BRG
	VERT	HORZ	DOWN	HORZ
A	86	0	86	0
E	86	0	86	0
G	389	0	389	0
H	551	0	551	0
F	551	0	551	0

VALUE IN PARENTHESIS INDICATES EFFECTIVE BEARING LENGTH

UNFACTORED REACTIONS

JT	1ST LCASE	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
A	63	38/0	10/0	0/0	0/0	15/0	0/0
E	63	38/0	10/0	0/0	0/0	15/0	0/0
G	310	135/0	88/0	0/0	0/0	87/0	0/0
H	407	240/0	71/0	0/0	0/0	87/0	0/0
F	407	240/0	71/0	0/0	0/0	87/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MAX. FACTORED FORCE (LBS)	WEBS	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)
FR-TO							FR-TO		
A-J	-128/0	-102.1	-102.1	0.02 (1)	6.25	0.07 (1)	G-C	-232/0	0.07 (1)
J-B	-34/0	-102.1	-102.1	0.23 (1)	6.25	0.08 (1)	H-B	-444/0	0.08 (1)
B-C	-111/0	-102.1	-102.1	0.23 (1)	6.25	0.08 (1)	F-D	-444/0	0.08 (1)
C-D	-111/0	-102.1	-102.1	0.23 (1)	6.25	0.08 (1)	I-J	0/65	0.00 (1)
D-L	-34/0	-102.1	-102.1	0.23 (1)	6.25	0.08 (1)	K-L	0/65	0.00 (1)
L-E	-128/0	-102.1	-102.1	0.02 (1)	6.25				
A-I	0/111	-38.5	-38.5	0.04 (1)	10.00				
I-H	0/104	-38.5	-38.5	0.07 (2)	10.00				
H-G	0/69	-38.5	-38.5	0.11 (2)	10.00				
G-F	0/69	-38.5	-38.5	0.11 (2)	10.00				
F-K	0/104	-38.5	-38.5	0.07 (2)	10.00				
K-E	0/111	-38.5	-38.5	0.04 (1)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBC 2010, NBC 2015
- CSA 086-08, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.23/1.00 (B-C-1), BC=0.11/1.00 (F-G-2), WB=0.07/1.00 (C-G-1), SSI=0.16/1.00 (B-C-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

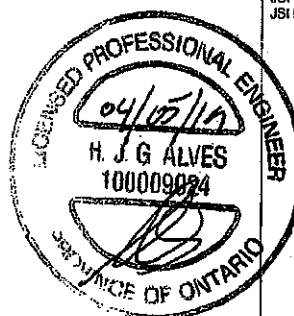
NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PS) (PLI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 610 354 1667 768 1967 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

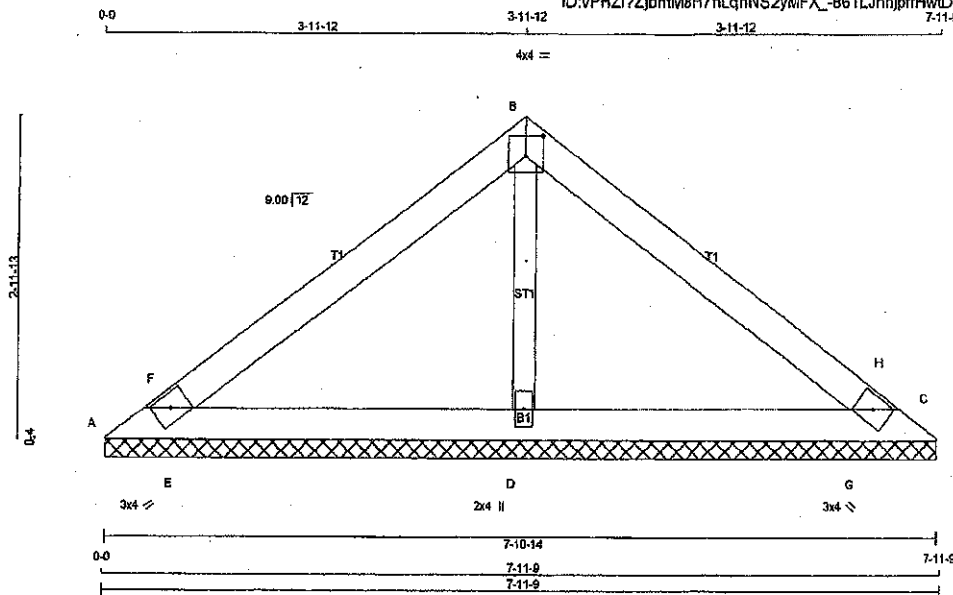
JSI GRIP= 0.32 (D) (INPUT = 0.90)
JSI METAL= 0.24 (D) (INPUT = 1.00)



DRWG NO. TAM 11907777
STRUCTURAL COMPONENT ONLY

JOB NAME 402113	TRUSS NAME V2	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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Scale = 1:19.7

TOTAL WEIGHT = 21 lb

LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - B 2x4 DRY

B - C 2x4 DRY

A - C 2x4 DRY

ALL WEBS 2x3 DRY

DRY, SEASONED LUMBER.

LUMBER

No.2

No.2

No.2

No.2

DESCR.

SPF

SPF

SPF

SPF

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
VERT	HORZ	DOWN	HORZ	UPLIFT
A	79	0	79	0
C	79	0	79	0
D	954	0	954	0

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
COMBINED	SNOW	LIVE				
A	59	33/0	11/0	0/0	0/0	0/0
C	59	33/0	11/0	0/0	0/0	0/0
D	713	393/0	144/0	0/0	0/0	177/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX. (LC)	MAX. UNBRACED LENGTH FR-TO	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED MAX. (LC)
A-F	0/301	-102.1	-102.1	0.09 (1)	10.00	D-B	-581/0	0.12 (1)	
F-B	0/304	-102.1	-102.1	0.21 (1)	10.00	E-F	-202/17	0.00 (1)	
B-H	0/304	-102.1	-102.1	0.21 (1)	10.00	G-H	-202/17	0.00 (1)	
H-C	0/301	-102.1	-102.1	0.09 (1)	10.00				
A-E	-283/0	-38.5	-38.5	0.15 (1)	6.25				
E-D	-248/0	-38.5	-38.5	0.18 (1)	6.25				
D-G	-248/0	-38.5	-38.5	0.18 (1)	6.25				
G-C	-283/0	-38.5	-38.5	0.15 (1)	6.25				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 29.0 PSF
DL = 6.0 PSF	
BOT CH.	LL = 10.5 PSF
DL = 7.0 PSF	
TOTAL LOAD	= 52.5 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 8CBC 2018, CBC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.21/1.00 (B-H:1), BC=0.18/1.00 (D-E:1), WB=0.12/1.00 (B-D:1), GS=0.13/1.00 (C-G:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

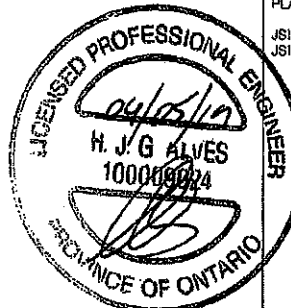
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

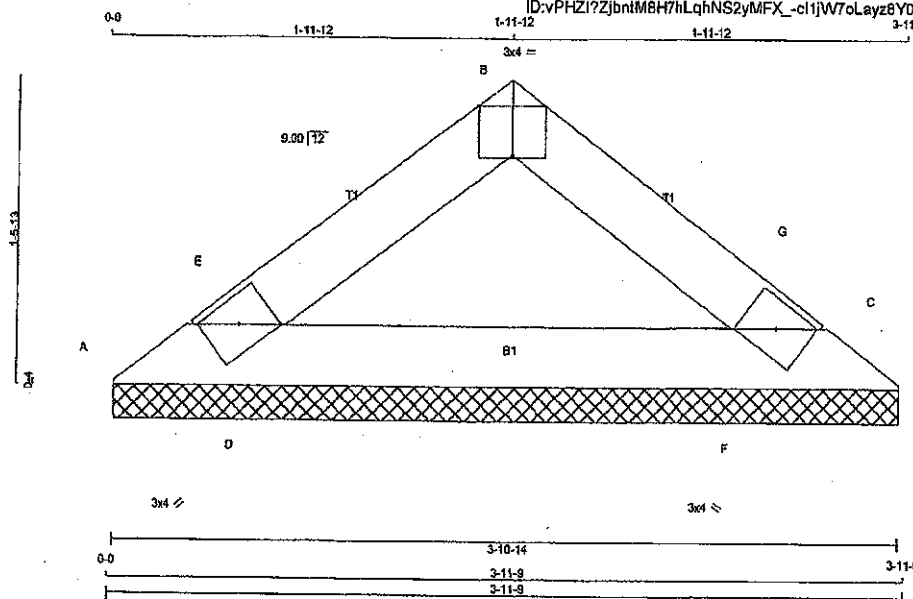
PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.61 (B) (INPUT = 0.80)
JSI METAL= 0.19 (B) (INPUT = 1.00)



DRWG NO. TAM 17907780
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
402113	V3	1	1	GREEN PARK HOMES TRUSS DESC.	



Scale = 1/10.3

TOTAL WEIGHT = 9 lb

LUMBER

N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TBM1-h	MT20	3.0	4.0		
B	TT-p	MT20	3.0	4.0	Edge 2.00	
C	TBM1-h	MT20	3.0	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
A	275 0	275 0	3-10-14	3-10-14
C	275 0	275 0	3-10-14	3-10-14

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN COMPONENT REACTIONS
A	COMBINED	SNOW LIVE PERMLIVE WIND DEAD SOIL
A	205	113/0 41/0 0/0 0/0 51/0 0/0
C	205	113/0 41/0 0/0 0/0 51/0 0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) A, 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 FITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX (PLF)	MAX. UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH
A-E	-280/0	-102.1	-102.1	0.12 (1)	6.25	D-E	0/86	0.00 (1)	
E-B	-181/0	-102.1	-102.1	0.12 (1)	6.25	F-G	0/86	0.00 (1)	
B-G	-181/0	-102.1	-102.1	0.12 (1)	6.25				
G-C	-280/0	-102.1	-102.1	0.12 (1)	6.25				
A-D	0/175	-38.5	-38.5	0.07 (1)	10.00				
D-F	0/180	-38.5	-38.5	0.11 (1)	10.00				
F-C	0/175	-38.5	-38.5	0.07 (1)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 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
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.12/1.00 (C-G:1), BC=0.11/1.00 (D-F:1), WB=0.00/1.00 (D-E:1), SSI=0.11/1.00 (C-G:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

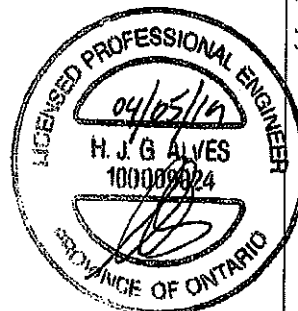
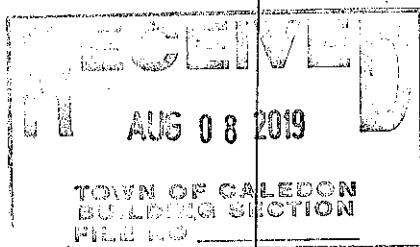
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

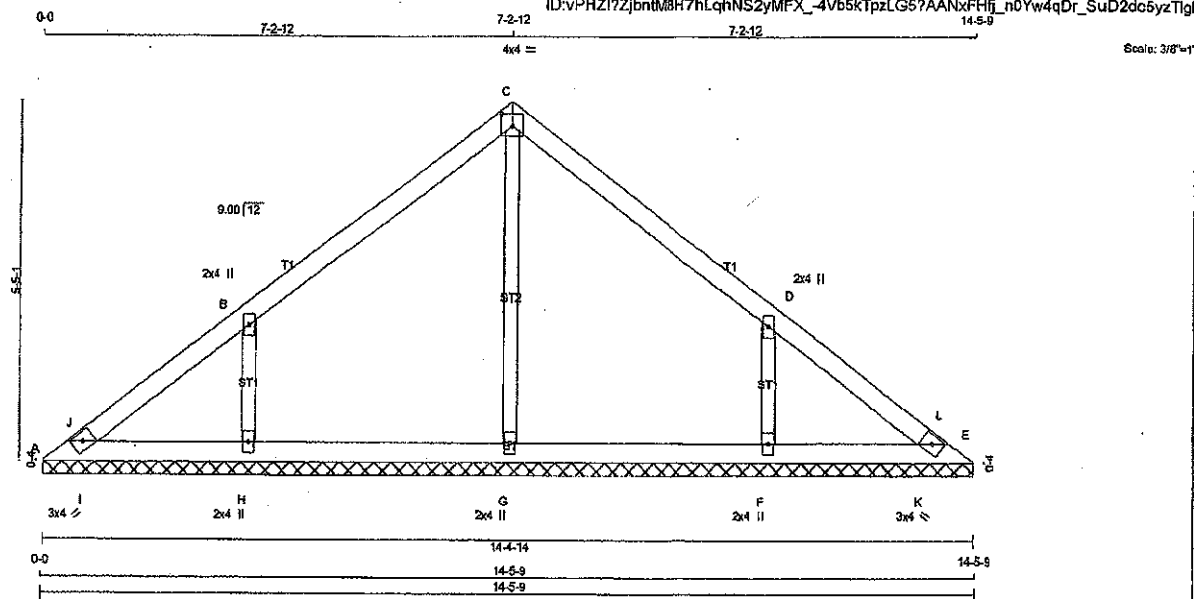
JSI GRIP= 0.14 (C) (INPUT = 0.90)
JSI METAL= 0.08 (C) (INPUT = 1.00)



DRWG NO. TAM 17907781
STRUCTURAL
COMPONENT ONLY

JOB NAME 402113	TRUSS NAME V4	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

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ID:vPHZ17ZjbnTm8H7hLqNS2yMFX_4Vb5kTpzLG56AANxHFHj_n0Yw4qDr_SuD2dc5yzTlg



TOTAL WEIGHT = 43 lb

LUMBER
N.L.G.A. RULES
CHORDS SIZE
A - C 2x4 DRY
C - E 2x4 DRY
A - E 2x4 DRY
ALL WEBS 2x3 DRY
DRY: SEASONED LUMBER.

LUMBER
No.2
No.2
No.2

DESCR.
SPF
SPF
SPF

PLATES (table in inches)

JT TYPE	PLATES	W	LEN	Y	X
A TBM1-h	MT20	3.0	4.0		
B TMW+w	MT20	2.0	4.0		
C TTW-p	MT20	4.0	4.0	2.25	2.00
D TMW+w	MT20	2.0	4.0		
E TBM1-h	MT20	3.0	4.0		
F, G, H					
F BMW1+w	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ
A	186	0	186	0
E	186	0	186	0
G	474	0	474	0
H	610	0	610	0
F	610	0	610	0

UNFACTORED REACTIONS

JT	1ST CASE	MAX MIN COMPONENT REACTIONS	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
	COMBINED							
A	122	74 / 0	19 / 0	0 / 0	0 / 0	28 / 0	0 / 0	0 / 0
E	122	74 / 0	19 / 0	0 / 0	0 / 0	28 / 0	0 / 0	0 / 0
G	386	186 / 0	59 / 0	0 / 0	0 / 0	101 / 0	0 / 0	0 / 0
H	452	281 / 0	82 / 0	0 / 0	0 / 0	109 / 0	0 / 0	0 / 0
F	452	281 / 0	82 / 0	0 / 0	0 / 0	109 / 0	0 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-J	-55 / 4	-102.1 -102.1	0.05 (1)	G-C	-323 / 0	0.14 (1)	
J-B	0 / 30	-102.1 -102.1	0.24 (1)	H-B	-447 / 0	0.07 (1)	
B-C	-34 / 18	-102.1 -102.1	0.23 (1)	F-D	-447 / 0	0.07 (1)	
C-D	-34 / 18	-102.1 -102.1	0.23 (1)	I-J	-23 / 28	0.00 (1)	
D-L	0 / 30	-102.1 -102.1	0.24 (1)	K-L	-23 / 28	0.00 (1)	
L-E	-55 / 4	-102.1 -102.1	0.05 (1)				
A-I	-18 / 17	-38.5 -38.5	0.05 (1)				
I-H	-14 / 26	-38.5 -38.5	0.08 (2)				
H-G	-18 / 7	-38.5 -38.5	0.10 (3)				
G-F	-18 / 7	-38.5 -38.5	0.10 (3)				
F-K	-14 / 26	-38.5 -38.5	0.08 (2)				
K-E	-18 / 17	-38.5 -38.5	0.05 (1)				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 28.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 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
- CSA 088-09, CSA 088-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TG=0.24/1.00 (D-L:1), BC=0.10/1.00 (G-H:3), WB=0.14/1.00 (C-G:1), SS=0.16/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

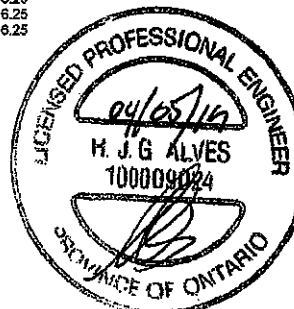
NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.32 (B) (INPUT = 0.80)
JSI METAL= 0.24 (B) (INPUT = 1.00)

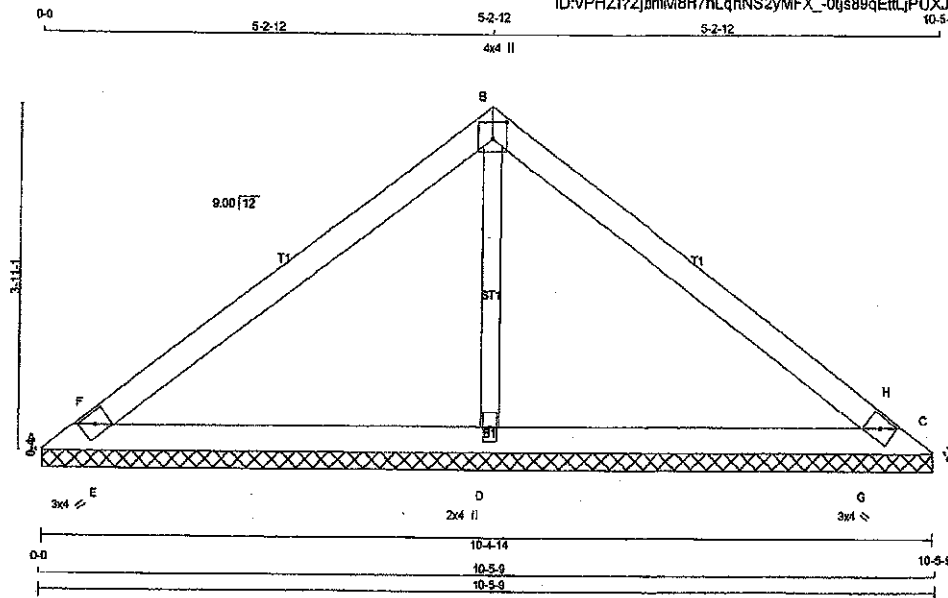


DWG NO. TAM 1107162
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREEN PARK HOMES	DRWG NO.
402113	V5	1	1	TRUSS DESC.		

Tamarack Roof Truss, Burlington

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Scale: 1/2"=1'

TOTAL WEIGHT = 28 lb

LUMBER

N. L. G. A. RULES

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

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

DESCR.
SPF
SPF
SPF

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
A	16	0	16	0	10-4-14	10-4-14
C	16	0	16	0	10-4-14	10-4-14
D	1430	0	1430	0	10-4-14	10-4-14

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
A	13	5/0	5/0	0/0	0/0	4/0	0/0
C	13	5/0	5/0	0/0	0/0	4/0	0/0
D	1067	595/0	209/0	0/0	0/0	263/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	FACTORED MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-F	0/585	-102.1 -102.1	0.22 (1)	D-B	-1087/0	0.25 (1)	
F-B	0/547	-102.1 -102.1	0.38 (1)	E-F	-514/29	0.00 (1)	
B-H	0/547	-102.1 -102.1	0.38 (1)	G-H	-314/29	0.00 (1)	
H-C	0/585	-102.1 -102.1	0.22 (1)				
A-E	-503/0	-38.5 -38.5	0.24 (1)				
E-D	-447/0	-38.5 -38.5	0.29 (1)				
D-G	-447/0	-38.5 -38.5	0.29 (1)				
G-C	-503/0	-38.5 -38.5	0.24 (1)				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 29.0 PSF
	DL = 6.0 PSF
BOT CH.	LL = 10.5 PSF
	DL = 7.0 PSF
TOTAL LOAD	= 52.5 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
- CSA 088-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 28.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.38/1.00 (B-H:1), BC=0.29/1.00 (D-G:1),
WB=0.25/1.00 (B-D:1), SS=0.19/1.00 (C-G:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

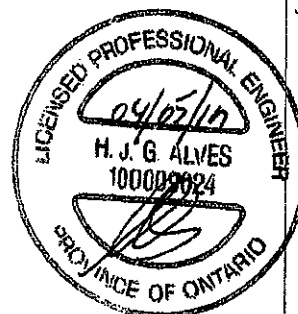
NAIL VALUES

PLATE	GRIP (DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	818	354	1667
	766	1987	1658

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.78 (B) (INPUT = 0.90)
JSI METAL= 0.25 (B) (INPUT = 1.00)



DWG NO. TAM 17907183
STRUCTURAL
COMPONENT ONLY

JOB NAME

402113

TRUSS NAME

Tamarack Roof Truss, Burlington

QUANTITY

1

PLY

1

JOB DESC.

TRUSS DESC.

GREEN PARK HOMES

DRWG NO.

Version 8.230 S Nov 17 2018

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0.0

3-2-12

3-2-12

6-5-9

4x4 =

25.1

0.4

A

F

T1

B

ST1

H

C

G

D

E

6.00 | T2

3x4

2x4

3x4

0.0

6.4-14

6-5-9

6-5-9

Scale = 1:16.8

LUMBER

N.L.G.A. RULES

CHORDS

SIZE

DRY

No.2

SPF

A - B

2x4

DRY

No.2

SPF

LUMBER

No.2

SPF

B - C

2x4

DRY

No.2

SPF

LUMBER

No.2

SPF

A - C

2x4

DRY

No.2

SPF

ALL WEBS

2x3

DRY

No.2

SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE

PLATES

W

LEN

Y

X

A

TBM1-h

MT20

3.0

4.0

B

TTW-p

MT20

4.0

4.0

2.25

2.00

C

TBM1-h

MT20

3.0

4.0

D

BMW1+w

MT20

2.0

4.0

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

BEARINGS

FACTORED

GROSS REACTION

MAXIMUM FACTORED

GROSS REACTION

INPUT

BRG

REQ'D

BRG

JT

VERT

HORZ

DOWN

HORZ

UPLIFT

IN-SX

IN-SX

A

96

0

96

0

0

6-4-14

6-4-14

C

96

0

96

0

0

6-4-14

6-4-14

D

708

0

708

0

0

6-4-14

6-4-14

UNFACTORED REACTIONS

1ST LCASE

MAX/MIN COMPONENT REACTIONS

JT

COMBINED

SNOW

LIVE

PERM.LIVE

WIND

DEAD

SOIL

A

71

41/0

13/0

0/0

0/0

17/0

0/0

C

71

41/0

13/0

0/0

0/0

17/0

0/0

D

530

280/0

108/0

0/0

0/0

132/0

0/0

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS

MAX. FACTORED

FACTORED

VERT. LOAD

LC1

MAX

MAX.

MEMB.

MAX. FACTORED

FORCE

MAX.

CS1 (LC)

FR-TO

FROM TO

CS1 (LC)

UNBRAC

LENGTH

FR-TO

FROM TO

CS1 (LC)

A-F

0/181

-102.1

-102.1

0.04 (1)

10.00

D-B

-477/10

0.07 (1)

F-B

0/191

-102.1

-102.1

0.13 (1)

10.00

E-F

-147/11

0.00 (1)

B-H

0/191

-102.1

-102.1

0.13 (1)

10.00

G-H

-147/11

0.00 (1)

H-C

0/181

-102.1

-102.1

0.04 (1)

10.00

WEBS

MAX. FACTORED

FORCE

MAX.

CS1 (LC)

A-E

-179/0

-38.5

-38.5

0.11 (1)

6.25

E-D

-155/0

-38.5

-38.5

0.12 (1)

6.25

D-G

-155/0

-38.5

-38.5

0.12 (1)

6.25

G-C

-170/0

-38.5

-38.5

0.11 (1)

6.25

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF

DL = 6.0 PSF

BOT CH. LL = 10.5 PSF

DL = 7.0 PSF

TOTAL LOAD = 52.5 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

- CSA 088-09, CSA 088-14

- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.13/1.00 (B-F:1), BC=0.12/1.00 (D-E:1), WB=0.07/1.00 (B-D:1), SSI=0.09/1.00 (A-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

MAX MIN MAX MIN MAX MIN

MT20 618 354 1667 768 1987 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.43 (B) (INPUT = 0.80)

JSI METAL= 0.14 (B) (INPUT = 1.00)

LICENSED PROFESSIONAL ENGINEER

04/05/10

H. J. G. ALVES

100009024

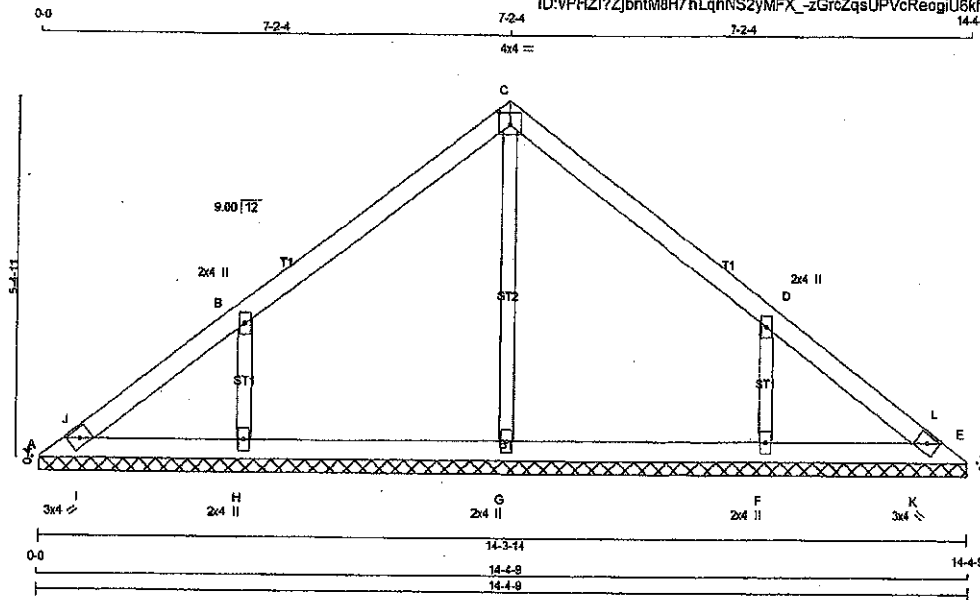
PROVINCE OF ONTARIO

DWG NO. TAM 71907784

STRUCTURAL

CONSENT ONLY

JOB NAME 402113	TRUSS NAME V8	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	
Version 8.230 S Nov 17 2018 Mitok Industries, Inc. Fri Apr 5 14:28:26 2019 Page 1					ID:VPHZI?ZjntM8H7hLqHNS2yMFX_zGrcZqsUPVcReogiU6kf8dBEhB9noUU8gbqEkzTgh
					Scale: 3/8"=1'



TOTAL WEIGHT = 42 lb

LUMBER
N.L.G.A. RULES
CHORDS SIZE
A - C 2x4 DRY
C - E 2x4 DRY
A - E 2x4 DRY
ALL WEBS 2x3 DRY
DRY: SEASONED LUMBER.

LUMBER
No.2
SPF
SPF
SPF

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

JT	FACTORED		MAXIMUM FACTORED		INPUT	REQD
	GROSS REACTION	GROSS REACTION	GROSS REACTION	GROSS REACTION		
	VERT	HORZ	DOWN	HORZ	UPLIFT	BRG
A	164	0	164	0	0	14-3-14
E	164	0	164	0	0	14-3-14
G	470	0	470	0	0	14-3-14
H	607	0	607	0	0	14-3-14
F	607	0	607	0	0	14-3-14

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. O.C.

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

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

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.24/1.00 (D-L-1), BC=0.10/1.00 (G-H-3), WB=0.13/1.00 (C-G-1), SS=0.16/1.00 (B-C-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1687 788 1987 1655

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.32 (D) (INPUT = 0.60)
JSI METAL= 0.24 (D) (INPUT = 1.00)

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TBM1-h	MT20	3.0	4.0		
B	TMW+w	MT20	2.0	4.0		
C	TTW-p	MT20	4.0	4.0	2.25	2.00
D	TMW+w	MT20	2.0	4.0		
E	TBM1-h	MT20	3.0	4.0		
F, G, H						
F	BMW1+w	MT20	2.0	4.0		

UNFACTORED REACTIONS

JT	1ST LCASE		MAX/MIN. COMPONENT REACTIONS		PERM. LIVE	WIND	DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM. LIVE				
A	121	73/0	18/0	0/0	0/0	28/0	0/0	0/0
E	121	73/0	18/0	0/0	0/0	28/0	0/0	0/0
G	363	185/0	99/0	0/0	0/0	100/0	0/0	0/0
H	450	280/0	82/0	0/0	0/0	108/0	0/0	0/0
F	450	280/0	82/0	0/0	0/0	108/0	0/0	0/0

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

BRACING

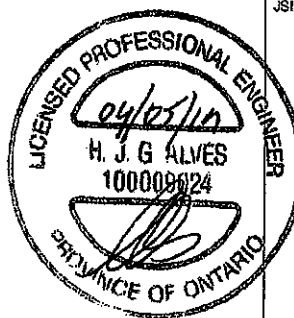
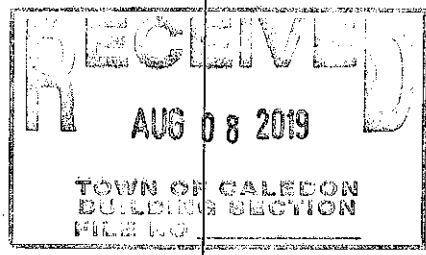
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 6.25 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS		FACTORED		WEBS		FACTORED	
	FORCE (LBS)	VERT. LOAD LC1	MAX	MAX	MEMB.	FORCE (LBS)	MAX	MAX
FR-TO		FROM TO	CSI (LC)	UNBRAC	FR-TO		CSI (LC)	UNBRAC
A-J	-59/2	-102.1 -102.1	0.05 (1)	6.25	G-C	-319/0	0.13 (1)	
J-B	0/29	-102.1 -102.1	0.24 (1)	10.00	H-B	-446/0	0.07 (1)	
B-C	-38/18	-102.1 -102.1	0.23 (1)	6.25	F-D	-446/0	0.07 (1)	
C-D	-39/16	-102.1 -102.1	0.23 (1)	6.25	I-J	-20/27	0.00 (1)	
D-L	0/29	-102.1 -102.1	0.24 (1)	10.00	K-L	-20/27	0.00 (1)	
L-E	-59/2	-102.1 -102.1	0.05 (1)	6.25				
A-I	-17/20	-38.5 -38.5	0.05 (1)	6.25				
I-H	-13/30	-38.5 -38.5	0.09 (2)	6.25				
H-G	-16/10	-38.5 -38.5	0.10 (3)	6.25				
G-F	-16/10	-38.5 -38.5	0.10 (3)	6.25				
F-K	-13/30	-38.5 -38.5	0.09 (2)	6.25				
K-E	-17/20	-38.5 -38.5	0.05 (1)	6.25				



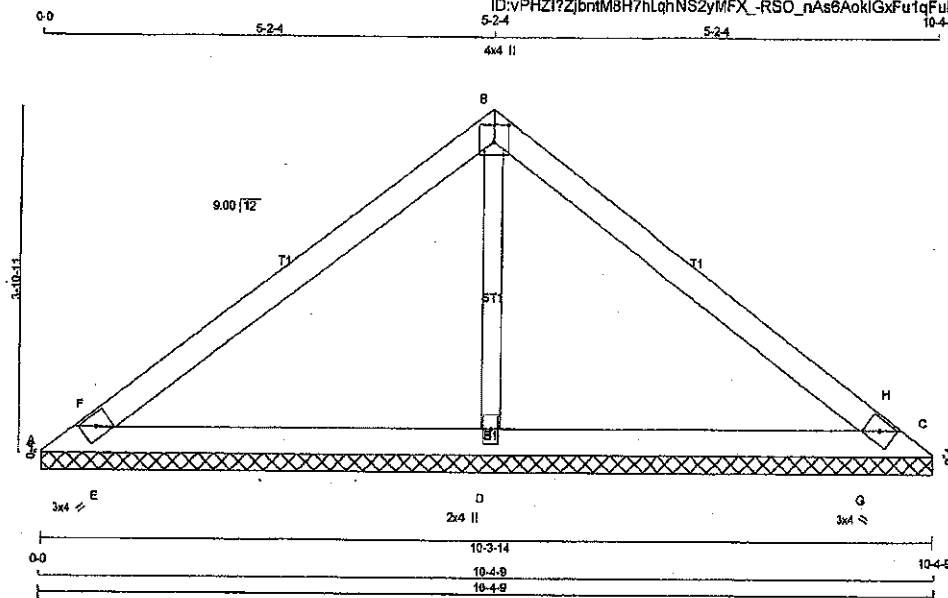
DRWG NO. TAM 8207785
STRUCTURAL
COMMENT ONLY

JOB NAME 402113	TRUSS NAME V9	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Fri Apr 5 14:28:27 2018 Page 1

ID: VPHZ1?ZjbnTm8H7hLqhNS2yMFX_RSO_nAs6AokIGxFu1qFuhqkNa5UQWVE?dNKLNmAzTgg

Scale: 1/2"=1'



TOTAL WEIGHT = 28 lb

LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - B 2x4 DRY

B - C 2x4 DRY

A - C 2x4 DRY

ALL WEBS 2x3 DRY

DRY: SEASONED LUMBER

LUMBER

No.2

No.2

No.2

No.2

DESCR.

SPF

SPF

SPF

SPF

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

BUILDING DESIGNER

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ UPLIFT		
A	18	0	18	0	10-3-14	10-3-14
C	18	0	18	0	10-3-14	10-3-14
D	1413	0	1413	0	10-3-14	10-3-14

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS				WIND	DEAD	SOIL
		SNOW	LIVE	PERM.LIVE	WIND			
A	15	6/0	5/0	0/0	0/0	4/0	0/0	0/0
C	15	6/0	5/0	0/0	0/0	4/0	0/0	0/0
D	1054	588/0	207/0	0/0	0/0	280/0	0/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	FR-TO	CHORDS		MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED VERT. LOAD LC1 (LC)	MAX. UNBRACED LENGTH	MEMB.	FR-TO	WEBS		MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED VERT. LOAD LC1 (LC)
		MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)							MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)			
A-F	0/555	-102.1	-102.1	0.21 (1)	10.00	D-B	-1072/0	0.25 (1)						
F-B	0/537	-102.1	-102.1	0.37 (1)	10.00	E-F	-310/29	0.00 (1)						
B-H	0/537	-102.1	-102.1	0.37 (1)	10.00	G-H	-310/29	0.00 (1)						
H-C	0/555	-102.1	-102.1	0.21 (1)	10.00									
A-E	-495/0	-38.5	-38.5	0.24 (1)	6.25									
E-D	-440/0	-38.5	-38.5	0.29 (1)	6.25									
D-G	-440/0	-38.5	-38.5	0.29 (1)	6.25									
G-C	-495/0	-38.5	-38.5	0.24 (1)	6.25									

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF

DL = 6.0 PSF

BOT CH. LL = 10.5 PSF

DL = 7.0 PSF

TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. G/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, OBC 2012

- CSA 088-08, CSA 088-14

- TPIC 2011, TPIC 2014

(55% OF 37.8 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.37/1.00 (B-H:1), BC=0.28/1.00 (D-G:1), WB=0.25/1.00 (B-D:1), SSI=0.19/1.00 (C-G:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

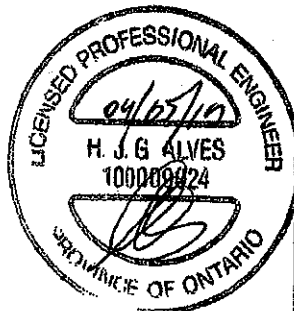
MT20 618 354 1887 788 1887 1856

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

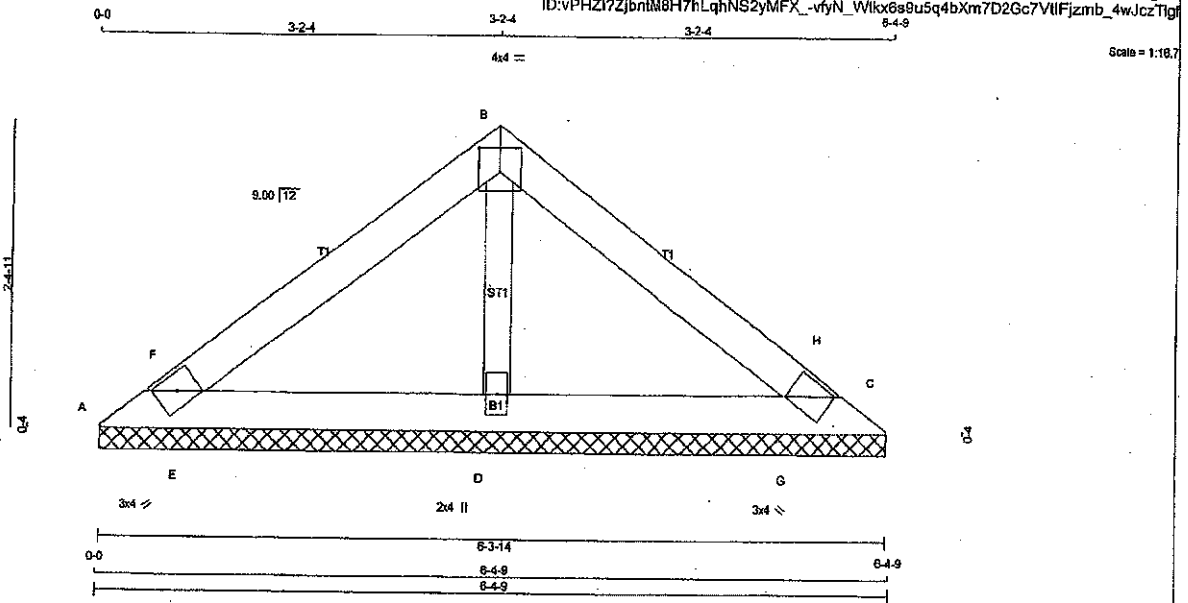
JSI GRIP= 0.77 (B) (INPUT = 0.90)

JSI METAL= 0.25 (B) (INPUT = 1.00)

DWG NO. TAM 17902786
STRUCTURAL
COMPONENT ONLY

JOB NAME 402113	TRUSS NAME V10	QUANTITY 1	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.230 S Nov 17 2018 MiTek Industries, Inc. Fri Apr 5 14:26:26 2019 Page 1
ID:vPHZI7ZjbntM8H7hLqhNS2yMFX_vfyN_Vlkx6s8u5q4bXm7D2Gc7Vilfjzmb_4wJczTig



TOTAL WEIGHT = 17 lb

LUMBER

N.L.G.A. RULES

CHORDS SIZE

A - B 2x4 DRY No.2

B - C 2x4 DRY No.2

A - C 2x4 DRY No.2

ALL WEBS 2x3 DRY No.2

DRY: SEASONED LUMBER.

LUMBER

DESCR.

SPF

SPF

SPF

PLATES (table is in inches)

JT TYPE PLATES

A TBM1-h MT20 3.0 4.0

B TTW-p MT20 4.0 4.0 2.25 2.00

C TBM1-h MT20 3.0 4.0

D BMW1-w MT20 2.0 4.0

W

LEN

Y

X

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
A	97	0	97	0
C	97	0	97	0
D	696	0	696	0

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
A	72	41/0 13/0 0/0 0/0 17/0 0/0
C	72	41/0 13/0 0/0 0/0 17/0 0/0
D	521	284/0 107/0 0/0 0/0 130/0 0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
A-F	0/175	-102.1 -102.1	0.04 (1)	10.00	D-B	-466/0	0.07 (1)
F-B	0/185	-102.1 -102.1	0.13 (1)	10.00	E-F	-144/11	0.00 (1)
B-H	0/185	-102.1 -102.1	0.13 (1)	10.00	G-H	-144/11	0.00 (1)
H-C	0/175	-102.1 -102.1	0.04 (1)	10.00			
A-E	-174/0	-38.5 -38.5	0.11 (1)	6.25			
E-D	-150/0	-38.5 -38.5	0.12 (1)	6.25			
D-G	-150/0	-38.5 -38.5	0.12 (1)	6.25			
G-C	-174/0	-38.5 -38.5	0.11 (1)	6.25			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF

DL = 6.0 PSF

BOT CH. LL = 10.5 PSF

DL = 7.0 PSF

TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF NBCC 2018, CBC 2012

- CSA 086-09, CSA 086-14

- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.I. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.13/1.00 (B-F:1), BC=0.12/1.00 (D-E:1), WB=0.07/1.00 (B-D:1), SS=0.08/1.00 (A-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

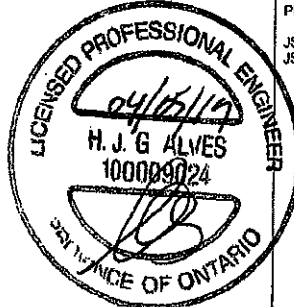
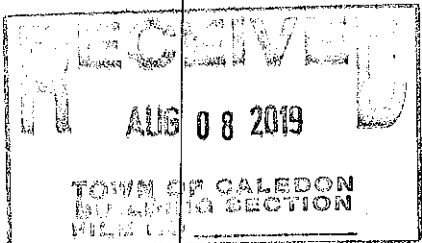
MT20 618 354 1667 788 1987 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP= 0.42 (B) (INPUT = 0.90)

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

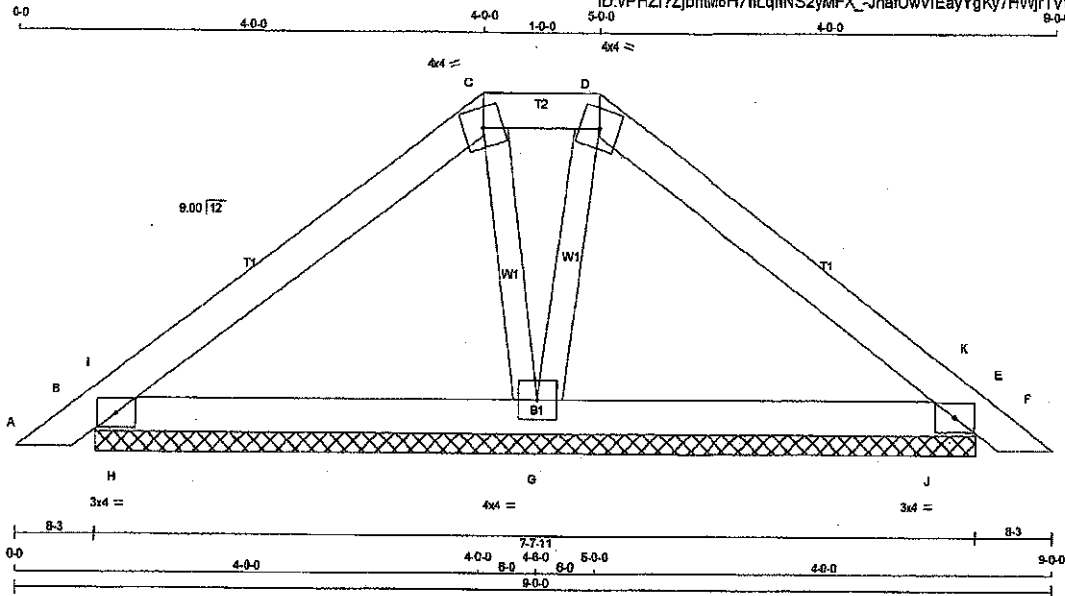


DWG NO. TAM 1907787
STRUCTURAL
COMPLEMENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
402113	PB1	2	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington				TRUSS DESC.	

Version 8.230 S Nov 17 2018 Mitak Industries, Inc. Fri Apr 5 14:25:57 2019 Page 1
ID: vPHZi?ZjbnM8H7hLqhNS2yMFX~JhafUwVIEayYgKy7HWjrTVUig7HOuJ4CTf3ojvzTih8

Scale = 1:18.0



TOTAL WEIGHT = 2 X 25 = 50 lb

LUMBER

N.L.G.A. RULES

CHORDS SIZE

A - C 2x4 DRY

C - D 2x4 DRY

D - F 2x4 DRY

B - E 2x4 DRY

ALL WEBS 2x3 DRY

DRY: SEASONED LUMBER.

LUMBER

No.2

No.2

No.2

No.2

No.2

No.2

DESCR.

SPF

SPF

SPF

SPF

SPF

SPF

PLATES (table in inches)

JT TYPE PLATES

B TMB1-I MT20 3.0 4.0

C TTVW-m MT20 4.0 4.0

D TTVW-m MT20 4.0 4.0

E TMB1-I MT20 3.0 4.0

G BMVWV1-I MT20 4.0 4.0

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

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
B	385	0	385	0
E	354	0	354	0
G	476	0	476	0

UNFACTORED REACTIONS

	1ST LOASE COMBINED	MAX/MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
JT	SNOW	LIVE	0/0	0/0	0/0	0/0
B	286	167/0	39/0	0/0	60/0	0/0
E	258	163/0	37/0	0/0	58/0	0/0
G	361	183/0	85/0	0/0	94/0	0/0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED MAX. LOAD LC1 (LC)	MAX. UNBRACED LENGTH	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO	A-B	0/17	-102.1	-102.1	0.03 (1)	10.00	C-G	-119/0	0.02 (1)
	B-I	-102/0	-102.1	-102.1	0.04 (1)	6.25	G-D	-121/0	0.02 (1)
	I-C	-141/0	-102.1	-102.1	0.14 (1)	6.25	H-J	-254/64	0.00 (1)
	C-D	-82/0	-102.1	-102.1	0.02 (1)	6.25	J-K	-276/45	0.00 (1)
	D-K	-133/0	-102.1	-102.1	0.14 (1)	6.25			
	K-E	-86/0	-102.1	-102.1	0.04 (1)	6.25			
	E-F	0/17	-102.1	-102.1	0.03 (1)	10.00			
	B-H	0/108	-38.5	-38.5	0.12 (1)	10.00			
	H-G	0/108	-38.5	-38.5	0.16 (2)	10.00			
	G-J	0/101	-38.5	-38.5	0.16 (2)	10.00			
	J-E	0/101	-38.5	-38.5	0.12 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF

DL = 6.0 PSF

BOT CH. LL = 10.5 PSF

DL = 7.0 PSF

TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. CC

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

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

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

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.14/1.00 (C-I), BC=0.16/1.00 (G-H2), WB=0.02/1.00 (D-G:1), SSI=0.23/1.00 (E-J:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

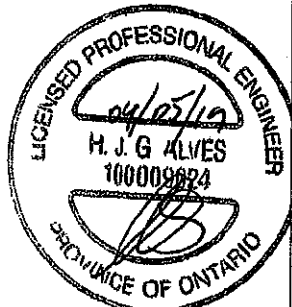
PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	618	354	1667
	788	1987	1656

PLATE PLACEMENT TOL. = 0.260 inches

PLATE ROTATION TOL. = 5.0 Deg.

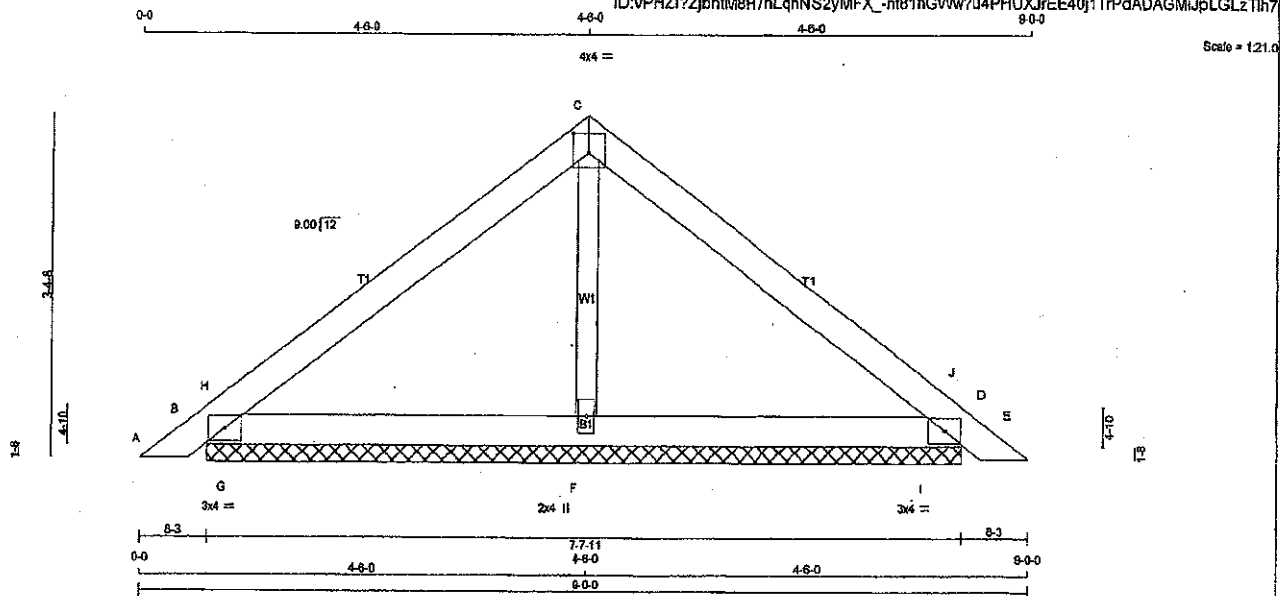
JSI GRIP= 0.27 (E) (INPUT = 0.90)

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



DRWG NO. TAM 17907788
STRUCTURAL
COMPONENT ONLY

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
402113	PB2	7	1	GREEN PARK HOMES	
Tamarack Roof Truss, Burlington		Version 6.230 S Nov 17 2018 Mitek Industries, Inc. Fri Apr 5 14:25:58 2018 Page 1			
		ID: vPHZ1?ZjbnlM8H7hLqhNS2yMFX_-nt81hGVWw7u4PHUXJrEE40j1TrPdADAGMIJpLGLzTih7			



TOTAL WEIGHT = 7 X 24 = 168 lb

LUMBER

N. L. G. A. RULES

CHORDS SIZE

A - C 2x4 DRY

C - E 2x4 DRY

B - D 2x4 DRY

ALL WEBS 2x3 DRY

DRY; SEASONED LUMBER.

LUMBER

No.2

No.2

No.2

No.2

No.2

DESCR.

SPF

SPF

SPF

SPF

SPF

PLATES (table in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	3.0	4.0		
C	TTW-p	MT20	4.0	4.0	2.25	2.00
D	TMB1-I	MT20	3.0	4.0		
F	BMW1-w	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
B	397	0	0	0
D	397	0	0	0
F	402	0	0	0

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	PERM. LIVE	WIND	DEAD	SOIL
B	288	186 / 0	38 / 0	0 / 0	64 / 0	0 / 0
D	288	186 / 0	38 / 0	0 / 0	64 / 0	0 / 0
F	310	141 / 0	85 / 0	0 / 0	85 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	
FR-TO				FR-TO			
A-B	0 / 17	-102.1	0.03 (1)	F-C	-133 / 0	0.02 (1)	
B-H	-81 / 0	-102.1	0.09 (1)	G-H	-404 / 26	0.00 (1)	
H-C	-174 / 0	-102.1	0.18 (1)	I-J	-404 / 26	0.00 (1)	
C-J	-174 / 0	-102.1	0.18 (1)				
J-D	-81 / 0	-102.1	0.08 (1)				
D-E	0 / 17	-102.1	0.03 (1)				
B-G	0 / 131	-38.5	0.17 (1)				
G-F	0 / 131	-38.5	0.19 (1)				
F-I	0 / 131	-38.5	0.19 (1)				
I-D	0 / 131	-38.5	0.17 (1)				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 20.0 PSF
DL	= 8.0 PSF
BOT CH. LL	= 10.5 PSF
DL	= 7.0 PSF
TOTAL LOAD	= 52.5 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 BCBC 2018, OSC 2012
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.18/1.00 (C-J:1), BC=0.19/1.00 (F-G:1), WB=0.02/1.00 (C-F:1), SS=0.32/1.00 (D-I:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

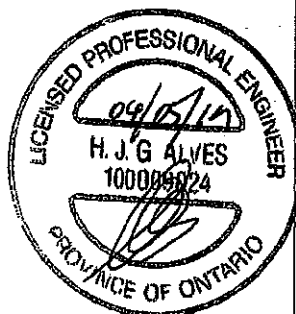
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PL)	(PL)	(PL)
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= 0.32 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)



DRWG NO. TAM 7907789
STRUCTURAL
GOLFPOWENT ONLY

JOB NAME

402113

TRUSS NAME

J1

QUANTITY

5

PLY

1

JOB DESC.

GREEN PARK HOMES

DRWG NO.

Tamarack Roof Truss, Burlington

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ID:vPHZI?ZjbntM8H7hLqhNS2yMFX_-QwL8eYSnAMR6BJfM2hevJfJcmOxMYvPdY25aa8zTlhC

Scale = 1:16.7

LUMBER

N.L.G.A. RULES

CHORDS

SIZE

DRY

No.2

SPF

SPF

SPF

ALL WEBS

2x3

DRY

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

2.0

4.0

F

BMV1+p

MT20

3.0

4.0

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

BEARINGS

	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD BRG
	VERT	HORZ	DOWN	HORZ		
JT	284	0	284	0	5-8	5-8
F	104	0	104	0	1-8	1-8
C	39	0	50	0	1-8	1-8

SEE MITEK STANDARD DETAIL B37821H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS

	1ST CASE		MAX./MIN. COMPONENT REACTIONS		DEAD	SOIL
	COMBINED	SNOW	LIVE	PERM.LIVE		
JT	204	139/0	21/0	0/0	43/0	0/0
F	72	58/0	0/0	0/0	12/0	0/0
C	36	0/0	21/0	0/0	14/0	0/0

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (3)

MEMB.	CHORDS		FACTORED		MAX. UNBRACED LENGTH	WEBS	MAX. FACTORED	
	FORCE (LBS)	VERT. LOAD (PLF)	CS1 (LC)	CS2 (LC)			FORCE (LBS)	CS1 (LC)
FR-TO								
F-B	-245/0	0.0	0.0	0.03 (1)	7.81	B-E	0/0	0.00 (1)
A-B	0/42	-102.1	-102.1	0.14 (1)	10.00			
B-C	0/0	-102.1	-102.1	0.07 (1)	10.00			
F-E	0/0	-38.5	-38.5	0.04 (3)	10.00			
E-D	0/0	-38.5	-38.5	0.03 (3)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 29.0 PSF

DL = 6.0 PSF

BOT CH. LL = 10.5 PSF

DL = 7.0 PSF

TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BOBC 2018

- CSA C86-14

- TPIC 2014

(55% OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

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

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

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

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

CSI: TC=0.14/1.00 (A-B:1), BC=0.04/1.00 (E-F:3), WB=0.00/1.00 (B-E:1), SS=0.09/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

MT20 650 371 1747 788 1887 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.19 (B) (INPUT = 0.90)

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

DWG NO. TAM 77907790

STRUCTURAL

COMPONENT ONLY

[illegible]

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

<u>PLATES (table is in inches)</u>					
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

FACTORED			MAXIMUM FACTORED			INPUT	REQD
GROSS REACTION			GROSS REACTION			BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
C	274	0	274	0	0	5-0	5-0
B	509	0	509	0	0	3-8	3-8
D	145	0	158	0	0	5-8	5-8

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS
CHORD AT JT/SE C

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
C	192	148 / 0	9 / 0	0 / 0	0 / 0	36 / 0	0 / 0
B	375	224 / 0	63 / 0	0 / 0	0 / 0	68 / 0	0 / 0
D	121	27 / 0	53 / 0	0 / 0	0 / 0	41 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX CSI (LC)	MAX. UNBRAC	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM TO		LENGTH	FR-TO		
A-B	0/13	-102.1 -102.1	0.06 (1)	10.00	E-F	-298/143	0.00 (1)
B-F	-60.0/0	-102.1 -102.1	0.11 (3)	6.25			
F-C	0/0	-102.1 -102.1	0.50 (1)	10.00			
E-E	0/0	-38.5 -38.5	0.31 (1)	10.00			
E-D	0/0	-38.5 -38.5	0.37 (1)	10.00			



DESIGN CRITERIA

SPECIFIED LOADS:			
TOP CH.	LL =	29.0	PSF
	DL =	6.0	PSF
BOT CH.	LL =	10.5	PSF
	DL =	7.0	PSF
TOTAL LOAD =		52.5	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
- CSA 086-09, CSA 086-14
- TPIC 2011, TPIC 2014

(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/853 (0.11")
ALLOWABLE DEFL.(TL)= L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/379 (0.10")

CSI: TC=0.50/1.00 (C-F:1), BC=0.37/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SSI=0.30/1.00 (B-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

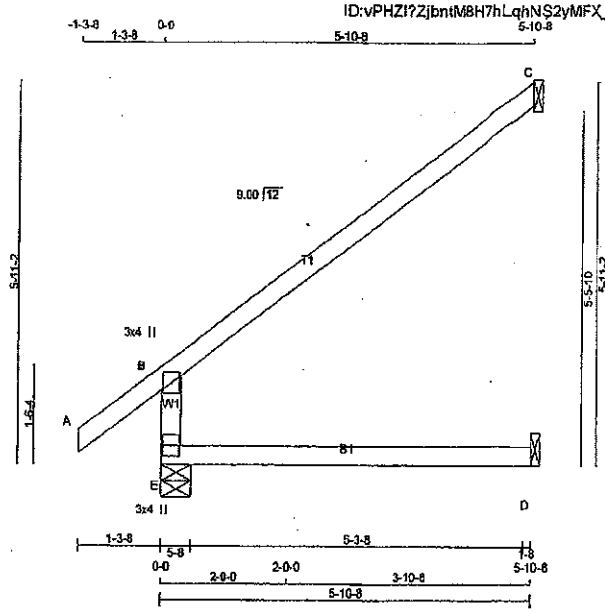
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

DWG NO. TAM 77907791
STRUCTURAL
COMPONENT ONLY

JOB NAME 402113	TRUSS NAME J9	QUANTITY 18	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO. J9
Tamarack Roof Truss, Burlington				TRUSS DESC.	



LUMBER
N. L. G. A. RULES

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

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

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	RECORD BRG
	VERT	HORZ	DOWN	HORZ		
E	646	0	646	0	5-8	5-8
C	225	0	225	0	1-8	1-8
D	96	0	122	0	1-8	1-8

SEE MITEK STANDARD DETAIL B37821H FOR CONNECTION TO JOINT(S) C, D

UNFACTORED REACTIONS							
JT	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	473	293 / 0	71 / 0	0 / 0	0 / 0	108 / 0	0 / 0
C	154	128 / 0	0 / 0	0 / 0	0 / 0	28 / 0	0 / 0
D	87	0 / 0	52 / 0	0 / 0	0 / 0	35 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS					WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX. CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO			FR-TO			
E-B	-516 / 0	0.0	0.0	0.19 (3)	7.81			
A-B	0 / 42	-102.1	-102.1	0.14 (1)	10.00			
B-C	-45 / 0	-102.1	-102.1	0.60 (1)	6.25			
E-D	0 / 0	-38.5	-38.5	0.22 (3)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF NBCC 2015
- CSA 086-14
- TPIC 2014

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

(55 % OF 37.8 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.20")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.05")
ALLOWABLE DEFL.(TL) = $L/360$ (0.20")
CALCULATED VERT. DEFL.(TL) = $L/878$ (0.08")

CSI: TC=0.60/1.00 (B-C:1), BC=0.22/1.00 (D-E:3), WE=0.00/1.00 (A-B:0), SS=0.23/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

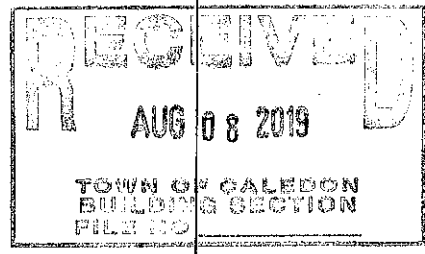
PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	650	371	1747 788 1887 1873

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

JSI GRIP=0.22 (B) (INPUT = 0.90)
JSI METAL=0.18 (B) (INPUT = 1.00)

DRWG NO. TAM 71907792
STRUCTURAL
COMPONENT ONLY

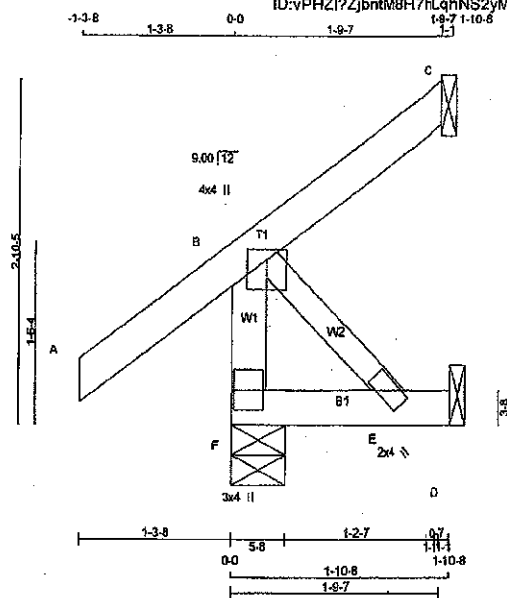


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
402113	C1	2	1	GREEN PARK HOMES	C1
Tamarack Roof Truss, Burlington					

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ID: vPHZ1?ZjbnM8H7hLqhNS2yMFX-1_kMY7KWXHXB_BuRSaTZyYvIMX7COx8Fug2EjzTHM

Scale = 1:17.7



TOTAL WEIGHT = 2 X 9 = 18 lb

LUMBER

N. L. G. A. RULES

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

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

LUMBER

DESCR.

SPF
SPF
SPF

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

BEARINGS

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG IN-SX	REQD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
F	322	0	322	0	5-8	5-8
C	37	0	37	0	-45	1-8
D	36	0	46	0	1-8	1-8

SEE MITEK STANDARD DETAIL B37821H FOR CONNECTION TO JOINT(S) C, D

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

JT	COMBINED	1ST LCASE		MAX. MIN. COMPONENT REACTIONS		WIND	DEAD	SOIL
		SNOW	LIVE	PERM. LIVE	LIVE			
F	228	163/0	20/0	0/0	0/0	47/0	0/0	0/0
C	25	21/-31	0/0	0/0	0/0	4/0	0/0	0/0
D	33	0/0	20/0	0/0	0/0	13/0	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					WEBS			
MEMB.	MAX. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1	MAX. CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FORCE (LBS)	FACTORED MAX. CSI (LC)
FR-TO		FROM	TO			FR-TO		
F-B	-266 / 0	0.0	0.0	0.03 (1)	7.61	B-E	0 / 0	0.00 (1)
A-B	0 / 42	-102.1	-102.1	0.14 (1)	10.00			
B-C	-33 / 0	-102.1	-102.1	0.13 (1)	6.25			
F-E	0 / 0	-38.5	-38.5	0.03 (3)	10.00			
E-D	0 / 0	-38.5	-38.5	0.03 (3)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018
- CBA 086-14
- TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55% OF 37.8 P.S.F. G.S.L. PLUS 6.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CS1: TC=0.14/1.00 (A-B-1), BC=0.03/1.00 (E-F-3), 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.

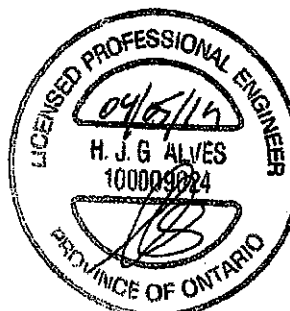
NAIL VALUES

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

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

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



DWG NO. TAM 11907193
STRUCTURAL
COMPONENT ONLY

JOB NAME 402113	TRUSS NAME C2	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Fri Apr 5 14:25:44 2019 Page 1
ID: vPHZl?ZjntM8H7hLqhNS2yMFx_-BBIkTL8lbJOCkTdD_oRmS3KmtJxrBU8Qbm9ztIhl
Scale = 1/25.6

LUMBER

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

ALL WEBS 2x3 DRY No.2
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	2.0	4.0		
F BMV1+p	MT20	3.0	4.0		

TOTAL WEIGHT = 2 X 12 = 24 lb

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	REQRD BRG IN-SX
	VERT	HORZ	DOWN	HORZ		
JT F	370	0	370	0	5-8	5-8
C	193	0	193	0	1-8	1-8
D	35	0	45	0	1-8	1-8

SEE MITEK STANDARD DETAIL B37821H FOR CONNECTION TO JOINT(S) C , D

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS					
		SNOW	LIVE	PERM.	LIVE	WIND	DEAD
F	252	190 / 0	20 / 0	0 / 0	0 / 0	52 / 0	0 / 0
C	133	110 / 0	0 / 0	0 / 0	0 / 0	23 / 0	0 / 0
D	33	0 / 0	-20 / 0	0 / 0	0 / 0	13 / 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)

MEMB.	CHORDS				WEBS			
	MAX. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	LC2 MAX	MEMB. FORCE (LBS)	MAX. FORCE (LBS)	LC1 MAX	LC2 MAX
FR-TO		FROM TO			FR-TO			
F-B	-334 / 0	0.0	0.0	0.03 (1)	7.81	0 / 0	0.00 (1)	
A-B	0 / 42	-102.1	-102.1	0.14 (1)	10.00			
B-C	0 / 0	-102.1	-102.1	0.25 (1)	10.00			
F-E	0 / 0	-38.5	-38.5	0.04 (3)	10.00			
E-D	0 / 0	-38.5	-38.5	0.03 (3)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 10.5 PSF
DL = 7.0 PSF
TOTAL LOAD = 52.5 PSF

SPACING = 24.0 IN OC

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF BCBC 2018
- CSA 086-14
- TPIC 2014

(55 % OF 37.8 P.S.F. G.S.L PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/888 (0.00")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/888 (0.00")

CSI: TC=0.25/1.00 (B-C:1), BC=0.04/1.00 (E-F:3), WB=0.00/1.00 (B-E:1), SSI=0.12/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

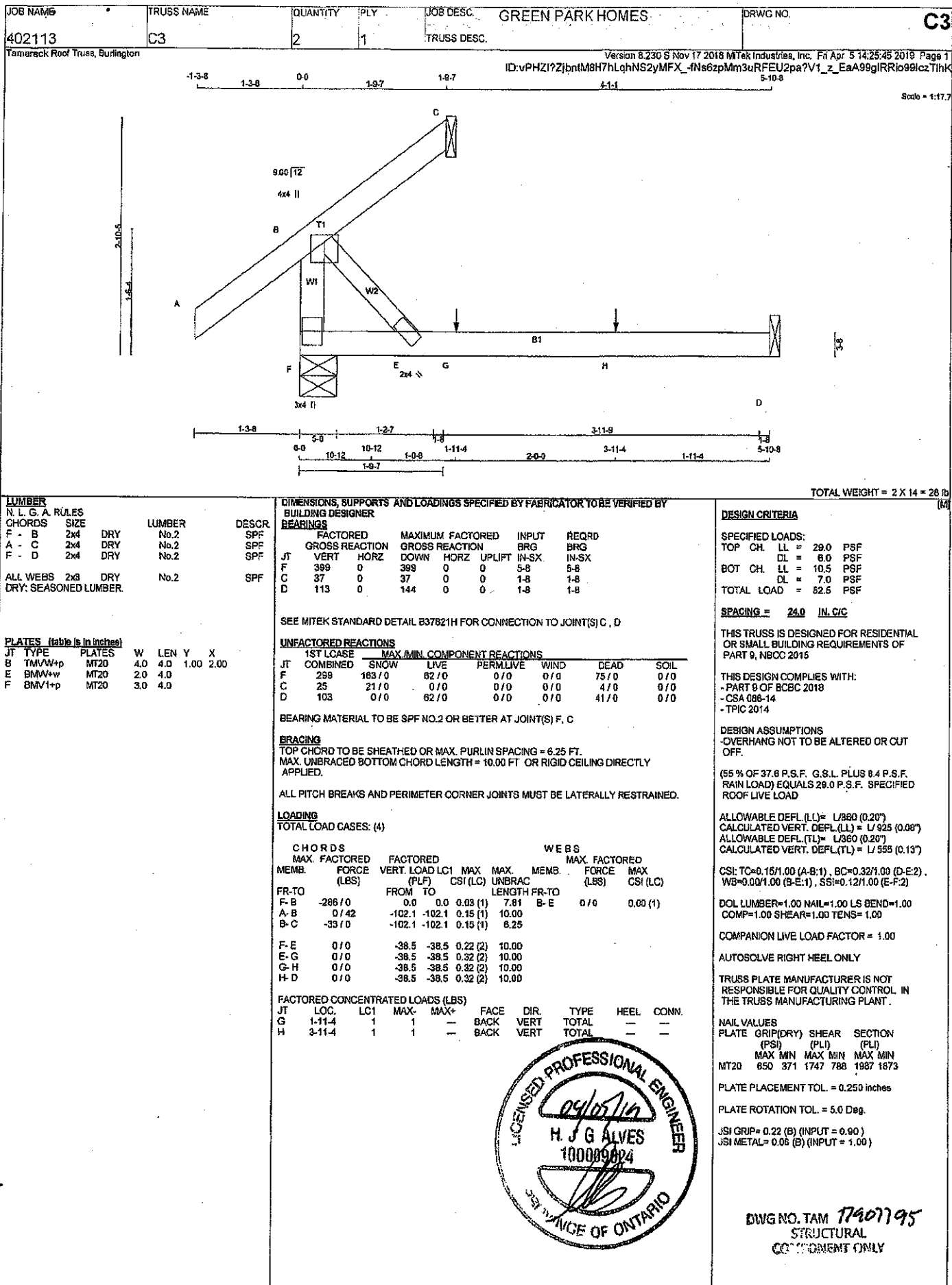
PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)	MAX MIN	MAX MIN
MT20	650	371	1747	788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.25 (B) (INPUT = 0.90)
JSI METAL= 0.07 (B) (INPUT = 1.00)

DWG NO. TAM **17907794**
STRUCTURAL
COMPONENT ONLY



JOB NAME 402113	TRUSS NAME C4	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.	C4
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Tamarack Roof Truss, Burlington

Version 8.230 S Nov 17 2018 Mitek Industries, Inc. Fri Apr 5 14:25:47 2019 Page 1
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Scale = 1/25.3

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

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER									
BEARINGS									
JT	FACTORED GROSS REACTION VERT	HORIZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORIZ	INPUT BRG UPLIFT IN-SX	REQD BRG IN-SX			
F	447	0	447	0	5-8	5-8			
C	193	0	193	0	1-8	1-8			
D	113	0	144	0	1-8	1-8			

SEE MITEK STANDARD DETAIL B37821H FOR CONNECTION TO JOINT(S) F, C

UNFACTORED REACTIONS							
JT	1ST LOASE COMBINED	SNOW	LIVE	PERMLIVE	WIND	DEAD	SOIL
F	332	180 / 0	62 / 0	0 / 0	0 / 0	80 / 0	0 / 0
C	133	110 / 0	0 / 0	0 / 0	0 / 0	23 / 0	0 / 0
D	103	0 / 0	62 / 0	0 / 0	0 / 0	41 / 0	0 / 0

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

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

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD LC1	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM	TO	FR-TO			
F-B	-334 / 0	0.0	0.03 (1)	B-E	0 / 0	0.00 (1)	
A-B	0 / 42	-102.1	-102.1 0.14 (1)				
B-C	0 / 0	-102.1	-102.1 0.25 (1)				
F-E	0 / 0	-38.5	-38.5 0.23 (3)				
E-D	0 / 0	-38.5	-38.5 0.30 (3)				

DESIGN CRITERIA			
SPECIFIED LOADS:			
TOP CH. LL	=	29.0 PSF	
DL	=	6.0 PSF	
BOT CH. LL	=	10.5 PSF	
DL	=	7.0 PSF	
TOTAL LOAD	=	52.5 PSF	
SPACING = 24.0 IN.C/C			
THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2015			
THIS DESIGN COMPLIES WITH: - PART 9 OF BCBC 2018 - CSA 086-14 - TPIC 2014			
(55 % OF 37.6 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 29.0 P.S.F. SPECIFIED ROOF LIVE LOAD			
ALLOWABLE DEFL.(LL)= L/360 (0.20") CALCULATED VERT. DEFL.(LL) = L/925 (0.08") ALLOWABLE DEFL.(TL)= L/360 (0.20") CALCULATED VERT. DEFL.(TL) = L/555 (0.13")			
CSI: TC=0.25/1.00 (B-C:1), BC=0.30/1.00 (D-E:3), WB=0.00/1.00 (B-E:1), SSI=0.12/1.00 (B-C:1)			
DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10			
COMPANION LIVE LOAD FACTOR = 1.00			
AUTOSOLVE RIGHT HEEL ONLY			
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.			
NAIL VALUES			
PLATE GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)	
	MAX MIN	MAX MIN	
MT20	850 371	1747 788	1687 1873
PLATE PLACEMENT TOL. = 0.250 inches			
PLATE ROTATION TOL. = 5.0 Deg.			
JSI GRIP= 0.25 (B) (INPUT = 0.00)			
JSI METAL= 0.07 (B) (INPUT = 1.00)			

DRWG NO. TAM **P907756**
STRUCTURAL
 COMPONENT ONLY



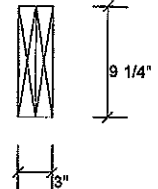
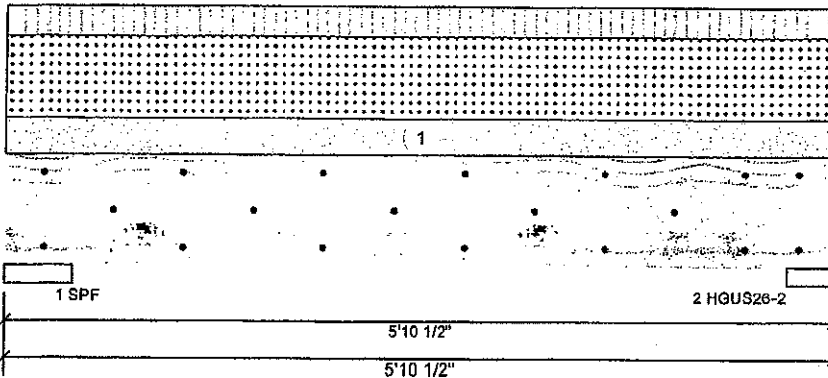
isDesign™

Client:
Project:
Address:Date: 4/5/2019
Designer:
Job Name: 200778
Project #:

Page 1 of 14

BM1 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

**Member Information**

Type: Girder
Plies: 2
Moisture Condition: Dry
Deflection LL: 360
Deflection TL: 360
Importance: Normal

Application: Roof (Residential)
Slope: 0/12
Design Method: LSD
Building Code: NBCC 2015
Load Sharing: No
Deck: Not Checked
Vibration: Not Checked

Unfactored Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind
1	265	328	733	0
2	254	315	703	0

Bearings and Factored Reactions

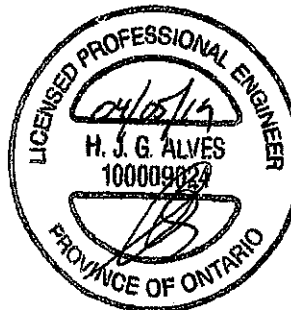
Bearing	Length	Cap. React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	5.500"	18%	410 / 1365	1775 L	1.25D+1.5S +L
2 - HGUS...	4.000"	23%	393 / 1308	1701 L	1.25D+1.5S +L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	2007 ft-lb	3'	6039 ft-lb	0.332 (33%)	1.25D+1.5S +L	L
Unbraced	2007 ft-lb	3'	6236 ft-lb	0.383 (38%)	1.25D+1.5S +L	L
Shear	1541 lb	12"	3964 lb	0.387 (39%)	1.25D+1.5S +L	L
LL Defl inch	0.018 (L/3566)	3'	0.174 (L/360)	0.100 (10%)	S+0.5L	L
TL Defl inch	0.024 (L/2585)	3'	0.174 (L/360)	0.140 (14%)	D+S+0.5L	L

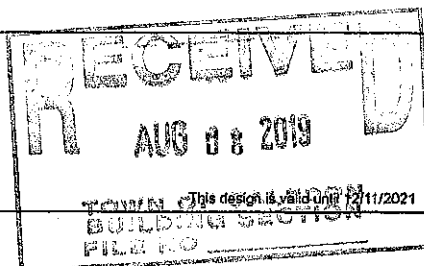
Design Notes

- 1 Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings.
- 6 Lateral slenderness ratio based on single ply width.



CHKG NO. TAM 71907829
STRUCTURAL
COST ESTIMATE 1/12

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Uniform		8-5-0	Near Face	13 PSF	10.5 PSF	29 PSF	0 PSF	

**Manufacturer Info**

Tamarack Roof Trusses
3289 North Service Rd., ON
Canada
L7N3G2
(905) 335-1115





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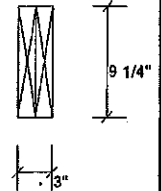
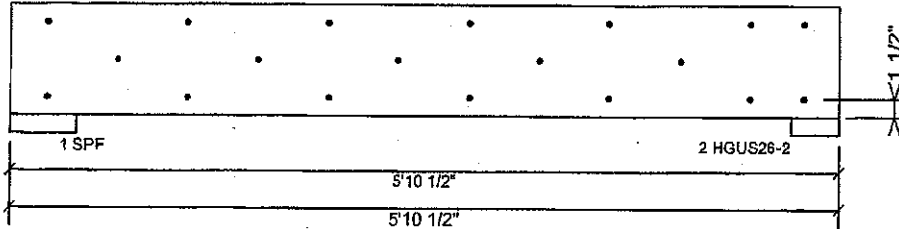
Client:
Project:
Address:

Date: 4/5/2019
Designer:
Job Name: 200778
Project #:

Page 2 of 14

BM1 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

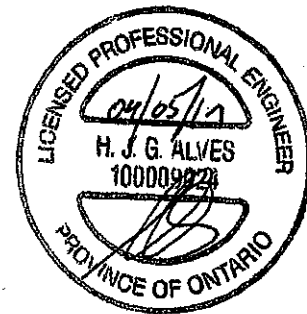
Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c., Maximum end distance not to exceed 6"

Capacity	87.0 %
Load	295.9 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S+L
Duration Factor	1.00



CHS NO. TAM 17401829
STRUCTURAL
C/O. CLIENT ONLY 3/2

Manufacturer Info	Tamarack Roof Trusses 3289 North Service Rd. ON Canada L7N3G2 (905) 335-1115
	TAMARACK LUMBER INC ALPHA LUMBER GROUP

This design is valid until 12/11/2021





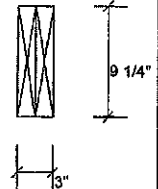
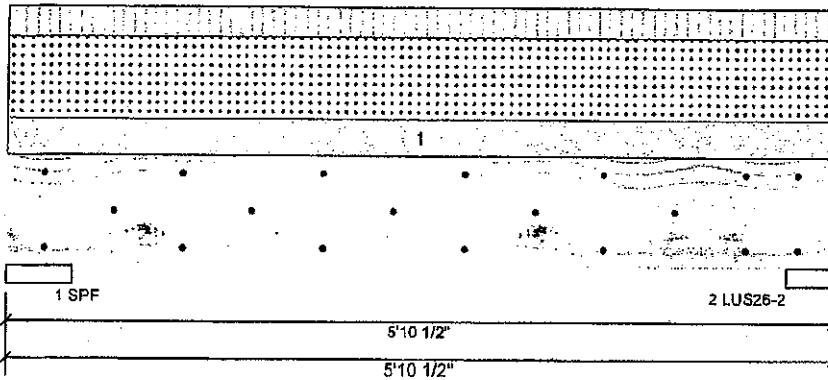
isDesign™

Client:
Project:
Address:Date: 4/5/2019
Designer:
Job Name: 200778
Project #:

Page 3 of 14

BM2 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

**Member Information**

Type: Girder
Piles: 2
Moisture Condition: Dry
Deflection LL: 360
Deflection TL: 360
Importance: Normal

Application: Roof (Residential)
Slope: 0/12
Design Method: LSD
Building Code: NBCC 2015
Load Sharing: No
Deck: Not Checked
Vibration: Not Checked

Unfactored Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind
1	203	252	563	0
2	195	241	539	0

Bearings and Factored Reactions

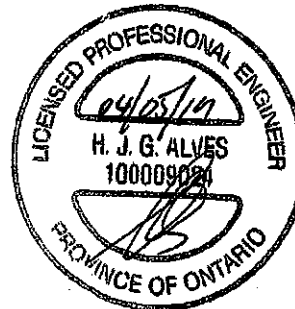
Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5.500"	13%	315 / 1047	1362 L
2 - LUS26-2	4.000"	18%	302 / 1004	1305 L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1540 ft-lb	3'	6039 ft-lb	0.255 (25%)	1.25D+1.5S +L	L
Unbraced	1540 ft-lb	3'	5236 ft-lb	0.294 (29%)	1.25D+1.5S +L	L
Shear	1183 lb	1'2"	3984 lb	0.297 (30%)	1.25D+1.5S +L	L
LL Defl inch	0.013 (L/4646)	3'	0.174 (L/360)	0.080 (8%)	S+0.5L	L
TL Defl inch	0.019 (L/3369)	3'	0.174 (L/360)	0.110 (11%)	D+S+0.5L	L

Design Notes

- 1 Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings.
- 6 Lateral slenderness ratio based on single ply width.



ENG. NO. TAM 11901830
STRUCTURAL
CONCRETE ONLY 1/2

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Uniform		6-5-8	Near Face	13 PSF	10.5 PSF	29 PSF	0 PSF	

Manufacturer Info

Tamarack Roof Trusses
3289 North Service Rd., ON
Canada
L7N3G2
(905) 335-1115



This design is valid until 12/11/2021





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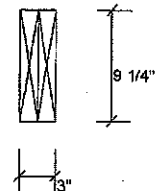
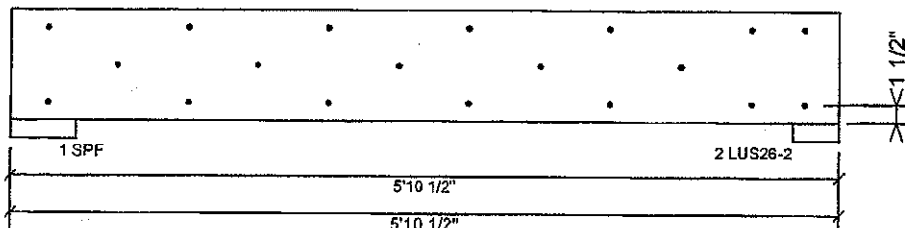
Client:
Project:
Address:

Date: 4/5/2019
Designer:
Job Name: 200778
Project #:

Page 4 of 14

BM2 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6"

Capacity	66.8 %
Load	227.0 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	g
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S+L
Duration Factor	1.00



DWG NO. TAM 11907830
STRUCTURAL
CALCULATIONS ONLY 2/2

Manufacturer Info

Tamarack Roof Trusses
3289 North Service Rd., ON
Canada
L7N3G2
(905) 336-1115



This design is valid until 12/11/2021





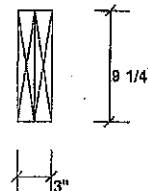
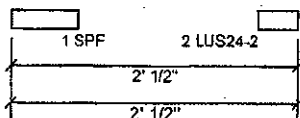
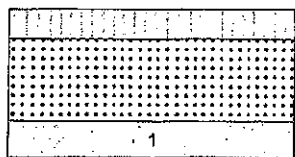
isDesign™

Client:
Project:
Address:Date: 4/5/2019
Designer:
Job Name: 200778
Project #:

Page 6 of 14

BM3 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level

**Member Information**

Type:	Girder	Application:	Roof (Residential)
Piles:	2	Slope:	0/12
Moisture Condition:	Dry	Design Method:	LSD
Deflection LL:	380	Building Code:	NBCC 2015
Deflection TL:	380	Load Sharing:	No
Importance:	Normal	Deck:	Not Checked
		Vibration:	Not Checked

Unfactored Reactions UNPATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind
1	97	120	267	0
2	82	102	227	0

Bearings and Factored Reactions

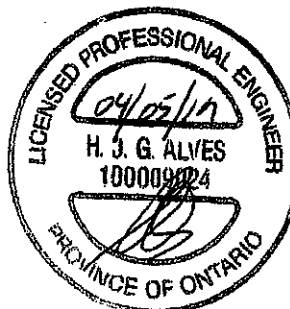
Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	5.500"	6%	150 / 497	847 L
				1.25D+1.5S +L
2 - LUS24-2	3.500"	9%	127 / 422	649 L
				1.25D+1.5S +L

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	147 ft-lb	1'1 1/4"	6038 ft-lb	0.024 (2%)	1.25D+1.5S +L	L
Unbraced	147 ft-lb	1'1 1/4"	5979 ft-lb	0.026 (2%)	1.25D+1.5S +L	L
Shear	415 lb	1'2"	3984 lb	0.104 (10%)	1.25D+1.5S +L	L
LL Defl inch	0.000 (L/999)	0	999.000 (L/0)	0.000 (0%)		
TL Defl inch	0.000 (L/999)	0	999.000 (L/0)	0.000 (0%)		

Design Notes

- 1 Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings.
- 6 Lateral slenderness ratio based on single ply width.



ENG NO. TAM 1907831
STRUCTURAL
C/S - CABINET ONLY 1/2

ID	Load Type	Location	Trib Width	Side	Dead	Live	Snow	Wind	Comments
1	Uniform		8-4-0	Near Face	13 PSF	10.5 PSF	29 PSF	0 PSF	

RECEIVED

Manufacturer Info

AUG 08

TOWN OF CALE
BUILDING DEPT
FILE NO.Tamarack Roof Trusses
3289 North Service Rd. ON
Canada
L7N 6E2
(905) 498-1115**TAMARACK**
LUMBER INC
ALPHA LUMBER GROUP

This design is valid until 12/11/2021





isDesign™

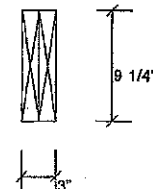
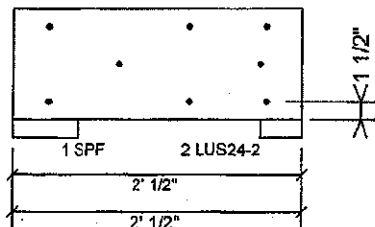
Client:
Project:
Address:

Date: 4/5/2019
Designer:
Job Name: 200778
Project #:

Page 6 of 14

BM3 S-P-F #2 2.000" X 10.000" 2-Ply - PASSED

Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of Pneumatic Gun Nail (.120x3.25") at 12" o.c.. Maximum end distance not to exceed 6"

Capacity	86.2 %
Load	293.0 PLF
Yield Limit per Foot	340.0 PLF
Yield Limit per Fastener	113.3 lb.
Yield Mode	9
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	1.25D+1.5S+L
Duration Factor	1.00



ENGINEER 7901821
STRUCTURAL
CO. OF ONTARIO 2/2

Manufacturer Info

Tamarack Roof Trusses
3289 North Service Rd., ON
Canada
L7N3G2
(905) 335-1115



This design is valid until 12/11/2021



LUL/LUS/LJS/HUS/HHUS/HGUS

HHUS/HGUS

See Hanger Options information on pp. 125–127.

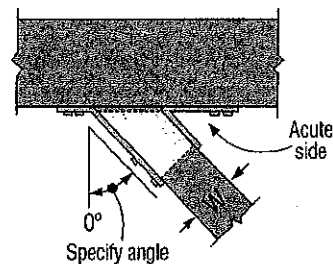
HHUS — Sloped and/or Skewed Seat

- HHUS hangers can be skewed to a maximum of 45° and/or sloped to a maximum of 45°
- For skew only, maximum factored down resistance is 0.85 of the table value
- For sloped only or sloped and skewed hangers, the maximum factored down resistance is 0.72 of the table value
- Uplift resistances for sloped/skewed conditions are 0.62 of the table value
- The joist must be bevel-cut to allow for double-shear nailing

HGUS — Skewed Seat

- HGUS hangers can be skewed only to a maximum of 45°. Factored resistances are:

HGUS Seat Width	Joist	Down Resistance	Uplift
W < 2"	Bevel or square cut	0.62 of table value	0.46 of table value
2" < W < 6"	Bevel cut	0.67 of table value	0.41 of table value
2" < W < 6"	Square cut	0.46 of table value	0.41 of table value
W > 6"	Bevel cut	0.75 of table value	0.41 of table value



Top View HHUS Hanger
Skewed Right
(joist must be bevel cut)
All joist nails installed on the
outside angle (non-acute side).

Standard and Double-Shear Joist Hangers (cont.)

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

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

Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance			
		W	H	B	d _e ³	Header	Joist	D.Fir-L		S-P-F	
								Uplift (K _D = 1.15)	Normal (K _D = 1.00)	Uplift (K _D = 1.15)	Normal (K _D = 1.00)
								lb.	lb.	lb.	lb.
								kN	kN	kN	kN
Single 2x Sizes											
LUS24	18	1 1/8	3 1/2	1 1/4	2 1/4	(4) 10d	(2) 10d	710	1625	645	1155
LU24L	22	1 1/8	3	1 1/4	2 1/8	(4) 10d	(2) 10d x 1 1/2"	316	723	287	514
LU24L	22	1 1/8	3	1 1/4	2 1/8	(4) 10d	(2) 10d x 1 1/2"	360	1020	320	725
LU26L	22	1 1/8	5	1 1/4	4 3/4	(6) 10d	(4) 10d x 1 1/2"	160	464	142	322
LU26L	22	1 1/8	5	1 1/4	4 3/4	(6) 10d	(4) 10d x 1 1/2"	720	1605	645	1140
LUS26	18	1 1/8	4 3/4	1 1/4	3 3/4	(4) 10d	(4) 10d	320	714	287	507
LUS26	18	1 1/8	4 3/4	1 1/4	3 3/4	(4) 10d	(4) 10d	1420	2170	1290	1630
HUS26	16	1 1/8	5 3/4	3	3 1/8	(14) 16d	(6) 16d	632	965	574	725
HUS26	16	1 1/8	5 3/4	3	3 1/8	(14) 16d	(6) 16d	2705	4940	2065	3875
LJS26DS	18	1 1/8	5	3 1/2	4 3/4	(16) 16d	(6) 16d	1130	2197	920	1724
LJS26DS	18	1 1/8	5	3 1/2	4 3/4	(16) 16d	(6) 16d	2055	4265	1460	4115
HGUS26	12	1 1/8	5 3/4	5	4 1/4	(20) 16d	(8) 16d	914	1897	649	1831
HGUS26	12	1 1/8	5 3/4	5	4 1/4	(20) 16d	(8) 16d	2685	6625	2685	5700
LU28L	20	1 1/8	6 3/4	1 1/4	5 1/4	(8) 10d	(6) 10d x 1 1/2"	1196	2951	1196	2535
LU28L	20	1 1/8	6 3/4	1 1/4	5 1/4	(8) 10d	(6) 10d x 1 1/2"	1140	2185	1020	1550
LUS28	18	1 1/8	6 3/4	1 1/4	3 3/4	(6) 10d	(4) 10d	507	972	454	689
LUS28	18	1 1/8	6 3/4	1 1/4	3 3/4	(6) 10d	(4) 10d	1420	2520	1290	1790
HUS28	16	1 1/8	7 1/4	3	6 1/8	(22) 16d	(8) 16d	632	1121	574	796
HUS28	16	1 1/8	7 1/4	3	6 1/8	(22) 16d	(8) 16d	3605	5365	2675	4345
HGUS28	12	1 1/8	7 1/4	5	6 1/4	(36) 16d	(12) 16d	1604	2386	1190	1933
HGUS28	12	1 1/8	7 1/4	5	6 1/4	(36) 16d	(12) 16d	3310	7675	3310	6900
LU210L	20	1 1/8	8	1 1/4	7 3/4	(10) 10d	(6) 10d x 1 1/2"	474	3439	1474	3073
LU210L	20	1 1/8	8	1 1/4	7 3/4	(10) 10d	(6) 10d x 1 1/2"	1140	2495	1020	1770
LUS210	18	1 1/8	7 1/4	1 1/4	3 3/4	(8) 10d	(4) 10d	507	1110	454	787
LUS210	18	1 1/8	7 1/4	1 1/4	3 3/4	(8) 10d	(4) 10d	1420	2785	1290	2210
LUS210	18	1 1/8	7 1/4	1 1/4	3 3/4	(8) 10d	(4) 10d	632	1239	574	983

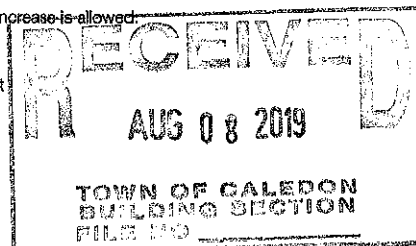
1. Factored uplift resistances have been increased 15% for wind or earthquake loading; no further increase is allowed.

2. Designer must ensure that hanger is compatible with truss when reduced heel height is used.

3. d_e is the distance from the bearing seat to the top joist nail.

4. Resistances shown require a minimum 2-ply girder truss. For fastening to single-ply truss request technical bulletin T-C-N10TRSSON and/or see installation notes.

5. Nails: 16d = 0.162" dia. x 3 1/2" long. See pp. 27–28 for other nail sizes and information.



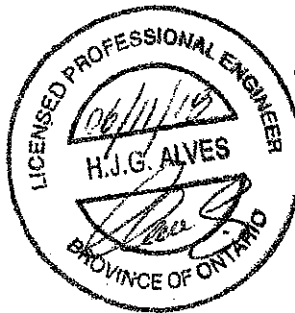
Face-Mount Hangers

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

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

Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance			
		W	H	B	d _e ³	Header	Joist	D-Fir-L		S-P-F	
								Uplift	Normal	Uplift	Normal
								(K _D = 1.15)	(K _D = 1.00)	(K _D = 1.15)	(K _D = 1.00)
								lb.	lb.	lb.	lb.
								kN	kN	kN	kN
Double 2x Sizes											
LUS24-2	18	3 1/8	3 1/8	2	1 1/2	(4) 16d	(2) 16d	835	2020	590	1435
SS LUS26-2	18	3 1/8	4 1/8	2	4	(4) 16d	(4) 16d	1720	2595	1545	1920
HHUS26-2	14	3 1/8	5 1/8	3	3 1/8	(14) 16d	(6) 16d	2850	7335	2065	5205
HGUS26-2	12	3 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355
SS LUS28-2	18	3 1/8	7	2	4	(6) 16d	(4) 16d	1720	3325	1545	2575
HHUS28-2	14	3 1/8	7 1/8	3	6 1/8	(22) 16d	(8) 16d	3765	8940	2675	6345
HGUS28-2	12	3 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d	6070	12980	4310	9215
SS LUS210-2	18	3 1/8	9	2	6	(8) 16d	(6) 16d	2580	4500	2320	3195
HHUS210-2	14	3 1/8	9 1/8	3	8	(30) 16d	(10) 16d	4670	9660	4235	7000
HGUS210-2	12	3 1/8	9 1/8	4	8 1/8	(46) 16d	(16) 16d	6840	14015	4855	10270
Triple 2x Sizes											
HGUS26-3	12	4 1/8	5 1/2	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355
HGUS28-3	12	4 1/8	7 1/4	4	6 3/8	(36) 16d	(12) 16d	6070	12980	4310	9215
HHUS210-3	14	4 1/8	9	3	7 1/8	(30) 16d	(10) 16d	4670	9670	4235	6865
HGUS210-3	12	4 1/8	9 1/4	4	8 3/8	(46) 16d	(16) 16d	6840	14645	4855	10400
Quadruple 2x Sizes											
HGUS26-4	12	6 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355
HGUS28-4	12	6 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d	6070	12980	4310	9215
HHUS210-4	14	6 1/8	8 1/8	3	7 1/8	(30) 16d	(10) 16d	4670	10155	4235	7210
HGUS210-4	12	6 1/8	9 1/8	4	8 1/8	(46) 16d	(16) 16d	6840	14645	4855	10400
HGUS212-4	12	6 1/8	10 1/8	4	10 1/8	(56) 16d	(20) 16d	7640	14995	5425	10845
HGUS214-4	12	6 1/8	12 1/8	4	11 1/8	(66) 16d	(22) 16d	10130	16400	7195	11645
4x Sizes											
LUS46	18	3 1/8	4 1/8	2	3 1/8	(4) 16d	(4) 16d	1720	2595	1545	1920
HHUS46	14	3 1/8	5 1/8	3	3 1/8	(14) 16d	(6) 16d	2850	7335	2065	5205
HGUS46	12	3 1/8	5 1/8	4	4 1/8	(20) 16d	(8) 16d	4385	8950	3110	6355
LUS48	18	3 1/8	6 1/8	2	3 1/8	(6) 16d	(4) 16d	1720	3325	1545	2575
HHUS48	14	3 1/8	7 1/8	3	6 1/8	(22) 16d	(8) 16d	3765	8940	2675	6345
HGUS48	12	3 1/8	7 1/8	4	6 1/8	(36) 16d	(12) 16d	6070	12980	4310	9215
LUS410	18	3 1/8	8 1/8	2	5 1/8	(8) 16d	(6) 16d	2580	4500	2320	3195
HGUS410	12	3 1/8	9	4	8 1/8	(46) 16d	(16) 16d	6840	14015	4855	10270
HGUS412	12	3 1/8	10 1/8	4	10 1/8	(56) 16d	(20) 16d	7640	14995	5425	10845
HGUS414	12	3 1/8	12 1/8	4	11 1/8	(66) 16d	(22) 16d	10130	16400	7195	11645

See footnotes on p. 258.



Alves Engineering Services Inc.

5208 Easton road
Burlington, Ontario L7L 6N6
(289) 259 5455

RESPONSABILITIES

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

SPECIFICATIONS

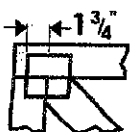
- 1-Truss components sealed by Alves Engineering Services Inc. conform to the relevant sections of the current Building Code of Ontario and Canada (part 4 or part 9) or the current Canadian code for Farm Buildings in accordance with the application specified on the sealed truss component drawing. All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

T-1300213

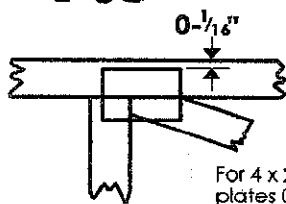
Feb 09, 2018

Symbols

PLATE LOCATION AND ORIENTATION



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



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



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

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

PLATE SIZE

4 x 4

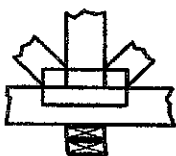
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

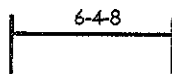


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

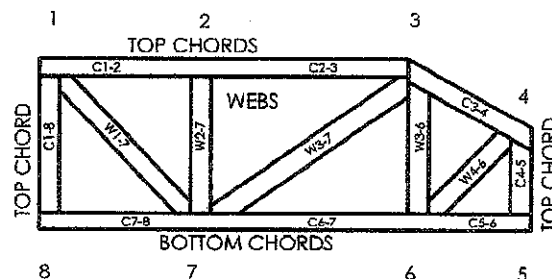
Industry Standards:

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

Numbering System



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



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

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

PRODUCT CODE APPROVALS

CCMC Reports:

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

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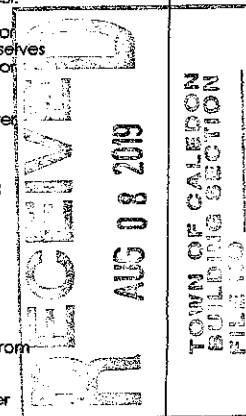
MiTek
POWER TO PERFORM.™

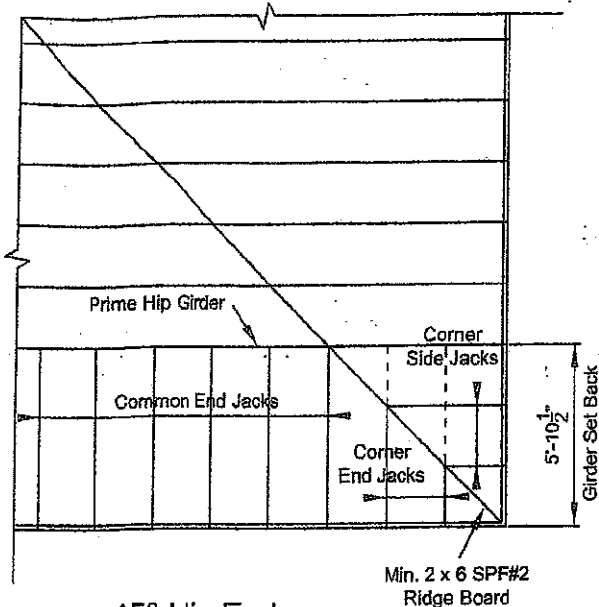
MiTek Engineering Reference Sheet: MII-7473C rev. 10-'08

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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





45° Hip End

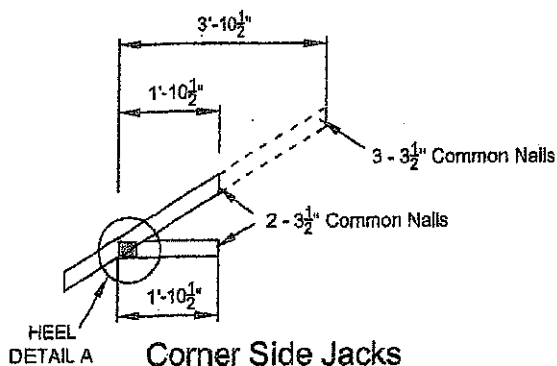
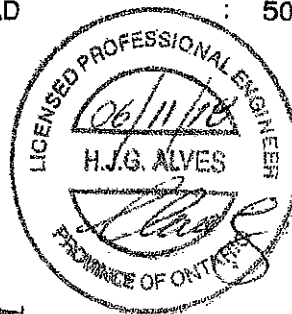
LUMBER SPECIFICATION

TOP CHORD : 2 x 4 SPF#2
 BOTTOM CHORD : 2 x 4 SPF#2
 WEBS : 2 x 3 SPF#2
 UNLESS OTHERWISE SHOWN

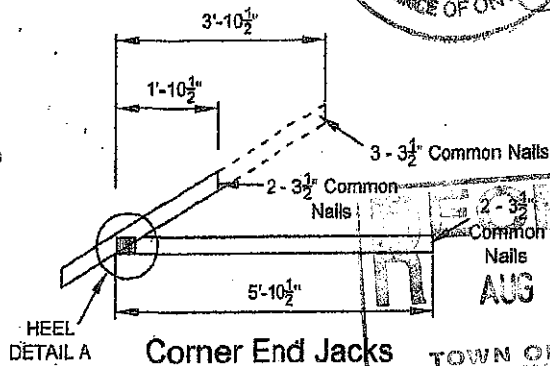
DESIGN LOAD

TOP CHORD SNOW LOAD : 40.5 P.S.F.
 TOP CHORD DEAD LOAD : 3.0 P.S.F.
 BOTTOM CHORD LIVE LOAD : 0.0 P.S.F.
 BOTTOM CHORD DEAD LOAD : 7.0 P.S.F.

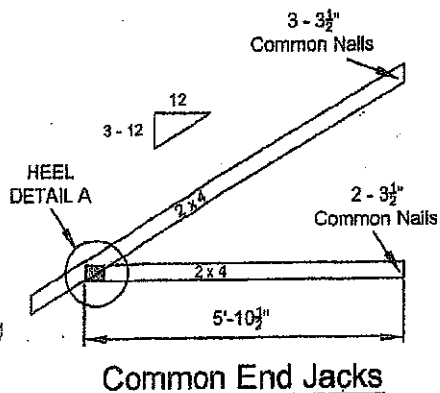
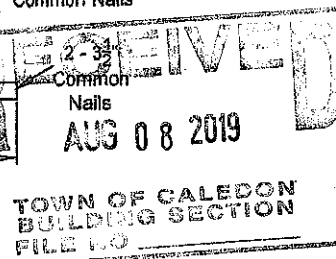
TOTAL LOAD : 50.5 P.S.F.



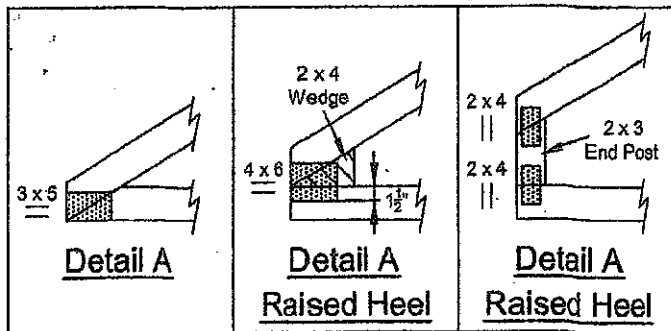
Corner Side Jacks



Corner End Jacks

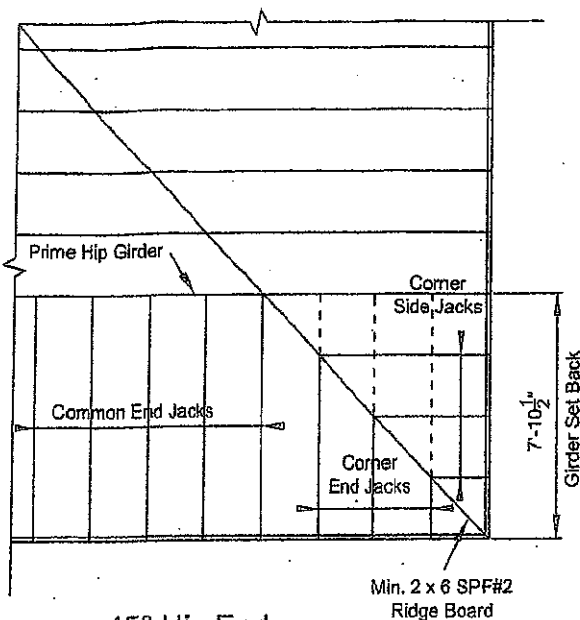


Common End Jacks



NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (L.S.D. DESIGN)

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45° Hip End

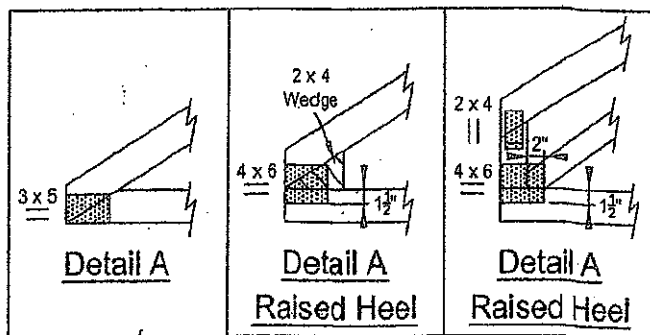
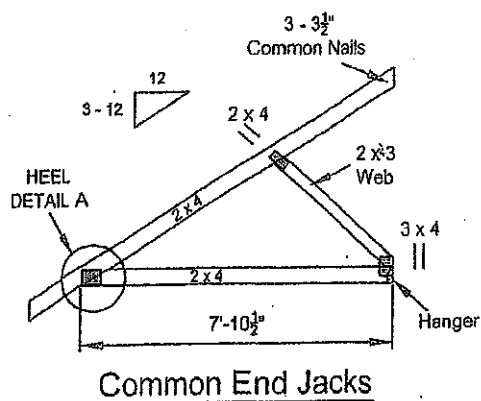
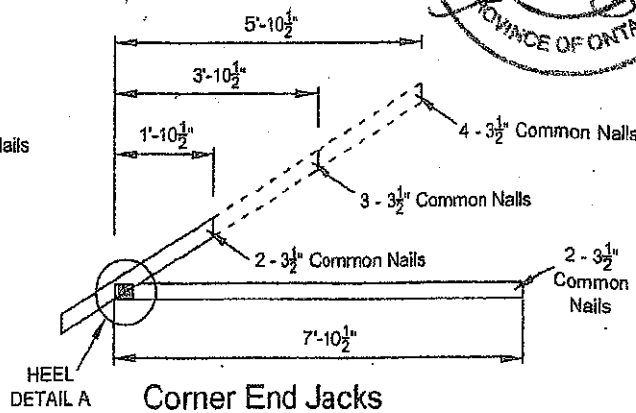
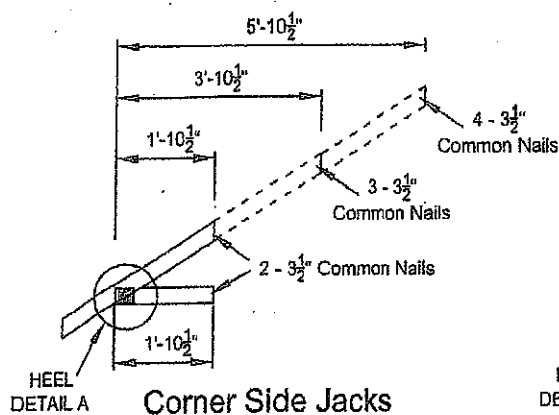
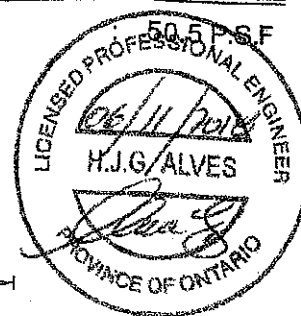
LUMBER SPECIFICATION

TOP CHORD : 2 x 4 SPF#2
 BOTTOM CHORD : 2 x 4 SPF#2
 WEBS : 2 x 3 SPF#2
 UNLESS OTHERWISE SHOWN

DESIGN LOAD

TOP CHORD SNOW LOAD : 40.5 P.S.F.
 TOP CHORD DEAD LOAD : 3.0 P.S.F.
 BOTTOM CHORD LIVE LOAD : 0.0 P.S.F.
 BOTTOM CHORD DEAD LOAD : 7.0 P.S.F.

TOTAL LOAD



NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (L.S.D. DESIGN)

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