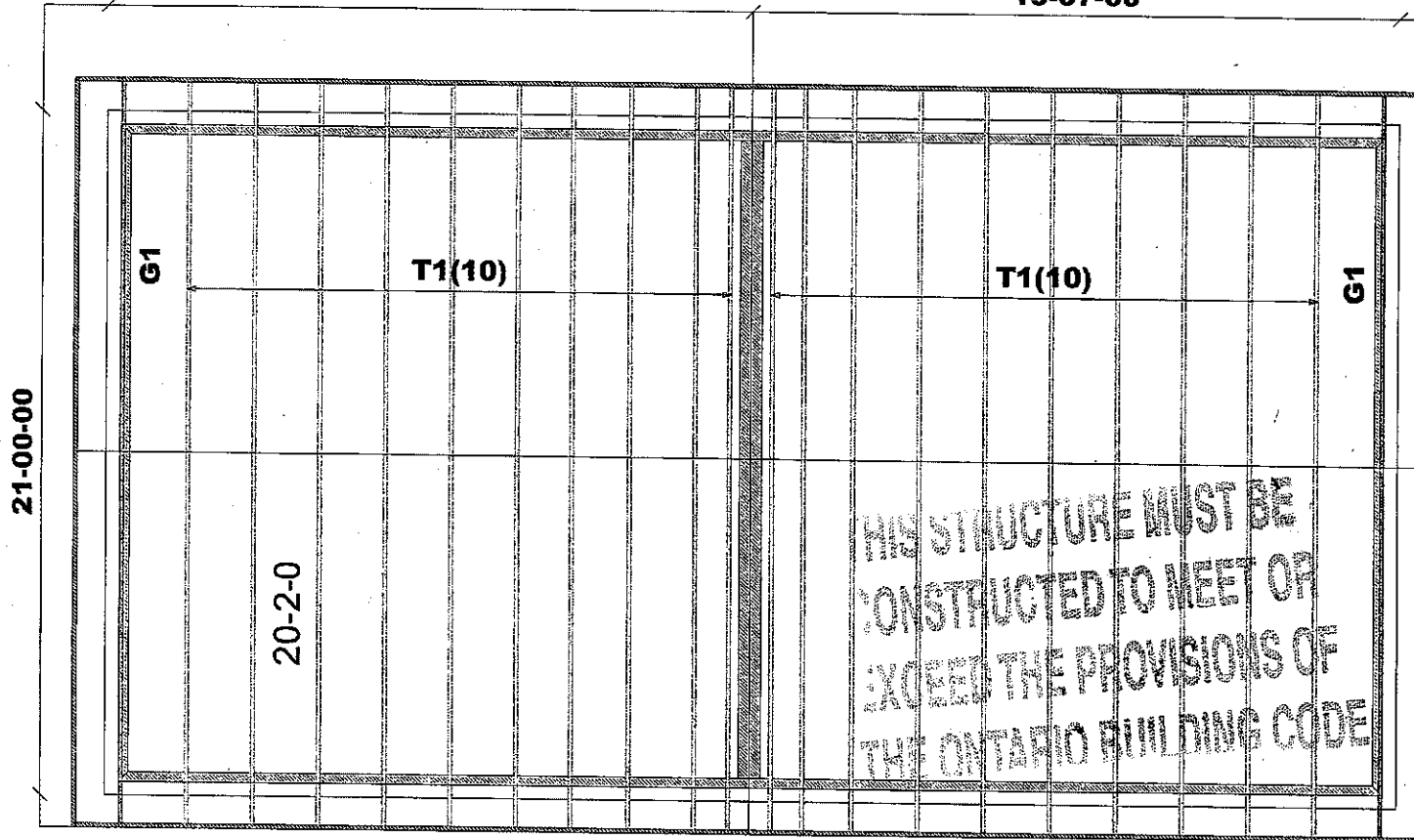


GALE 1B
TH 95-2 / 1
TH 96-3 / 1
401786
19-07-00

GALE 1B
TH 95-1 / 1
TH 96-2 / 1
401787
19-07-00

ASPHALT SHINGLES
 12" FINISHED OH.
 STD HEEL
 2X4 EXTERIOR WALLS
 2X6 FASCIA BOARD

DESIGN CONFORMS
 WITH O.B.C.2012 PART 9
 DESIGN LOADS:
 SNOW LOAD 29.02 PSF
 TC DEAD 6 PSF
 BC LIVE 10.5 PSF
 BC DEAD 7 PSF

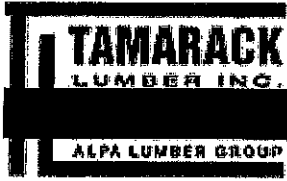


ALL CONV. FRAMING TO CONFORM WITH PART 9 OF O.B.C.2012
 ROOF RAFTERS THAT CROSS MEET OVER TRUSSES TO BE 2X4
 SPF @ 24" O.C. WITH A 2X4 VERT. POST TO THE TRUSS
 UNDERNEATH AT EACH CROSS PT. VERT. POST LONGER THAN 6"
 TO HAVE LATERAL BRACING TO THE TRUSS. THE DISTANCE BETWEEN
 END OF A BETWEEN ROWS OF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

RECEIVED
 AUG 15 2019

	Job Track: 50033	Builder / Location: GREEN PARK HOMES / CALEDON		Model / Elevation: GALE 1B / 1	Block 95-2
	Plan Log: 200645	Project: LAMBERT LANE PH.2		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.	
	Layout ID: 401785	Date: 3/8/2019	Sales: Mario DiCano	Designer: AC	Mitek ver 8.2.3.229

DELIVERY SHIPLIST



Lumber Yard: TAMARACK LUMBER
 Builder: GREEN PARK HOMES
 Project: LAMBERT LANE PH.2
 Location: CALEDON
 Model: GALE 1B
 Lot #:
 Elevation: TH95-2 / 1

Job Track: 50033
 PlanLog: 200645
 Layout ID: 401787
 Ref #
 Page: 1 of 1
 Date: 03/09/2019
 Designer: Andrew Conway
 Sales Rep: Mario DiCano

Roof Trusses

PROFILE	QTY PLY	MARK TYPE	PITCH	SPAN	HEIGHT	LUMBER	OVERHANG LEFT RIGHT	HEEL HEIGHT LEFT RIGHT	LBS. BFT.	BUNDLE # STACK #	LOAD BY REMARKS
	10	T1 Common	8/12	20-02-00	7-11-03	2 x 4	1-03-08 1-03-08	4-07 4-07	722.64 446.67		
	1	G1 GABLE	8/12	20-02-00	7-11-03	2 x 4	1-03-08 1-03-08	4-07 4-07	80.64 51.17		

TOTAL # TRUSS= 11

TOTAL BFT OF ALL TRUSSES= 497.84

BFT. TOTAL WEIGHT OF ALL TRSSES 803.28 LBS

THIS STRUCTURE MUST BE
 CONSTRUCTED TO MEET OR
 EXCEED THE PROVISIONS OF
 THE ONTARIO BUILDING CODE

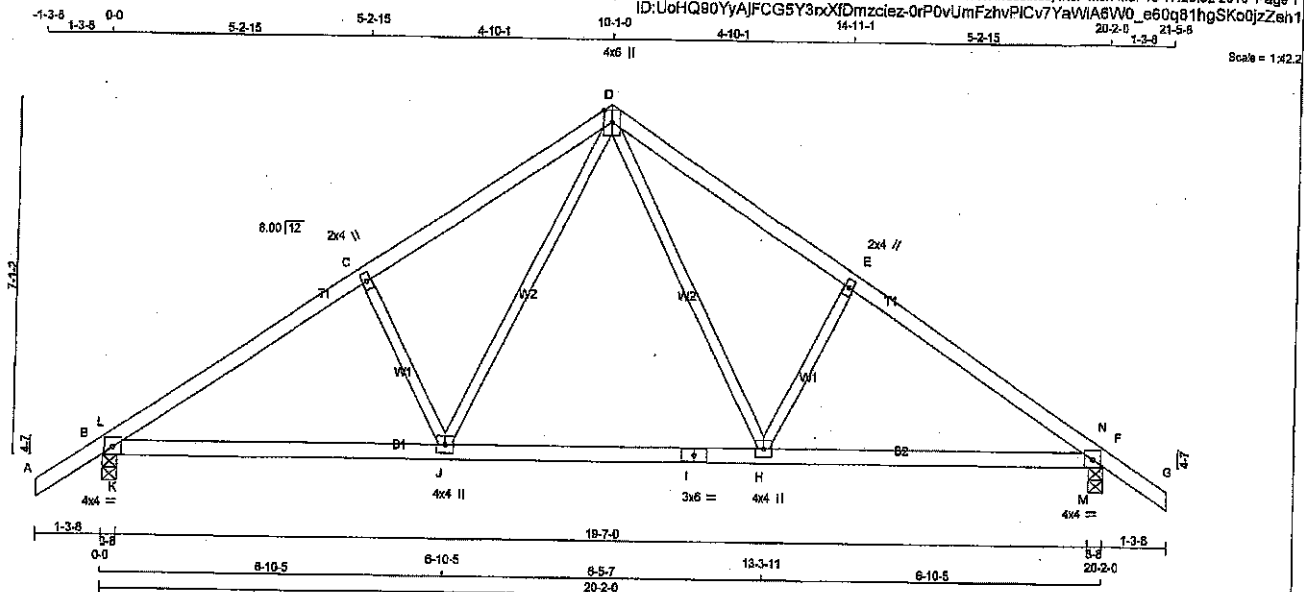
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TOWN OF CALEDON
 BUILDING SECTION
 FILE NO

JOB NAME 401788	TRUSS NAME T1	QUANTITY 10	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
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Tamarack Roof Truss, Burlington

Version 8.230 3 Nov 17 2018 Mtek Industries, Inc. Mon Mar 18 17:29:32 2019 Page 1
ID:UoHQ90YyAJFCG5Y3nxIDmzciez-OrP0vUmFzhvPICv7YaWIA6W0_e60q81hgSKo0zZeh1



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

TOTAL WEIGHT = 10 X 72 = 720 lb

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MT20	4.0	4.0	1.75 2.00
C	TMB1-W	MT20	2.0	4.0	
D	TTW1-W	MT20	4.0	6.0	Edge
E	TMB1-W	MT20	2.0	4.0	
F	TMB1-I	MT20	4.0	4.0	1.75 2.00
H	BMW1-W	MT20	4.0	4.0	
I	BS-I	MT20	3.0	6.0	
J	BMW1-W	MT20	4.0	4.0	

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

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

BEARINGS		FACTORED		MAXIMUM FACTORED		INPUT		REQD	
JT	GROSS REACTION	VERT	HORZ	GROSS REACTION	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
B	1356	0	0	1356	0	0	3-8	3-8	3-8
F	1356	0	0	1356	0	0	3-8	3-8	3-8

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	952	665 / 0	0 / 0	0 / 0	0 / 0	287 / 0	0 / 0
F	952	665 / 0	0 / 0	0 / 0	0 / 0	287 / 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 = 4.80 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)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRAC LENGTH FR-TO	MAX. FACTORED CSI (LC)
FR-TO		FROM TO		FR-TO			
A-B	0 / 37	-102.1 -102.1	0.14 (1)	10.00	D-H	0 / 661	0.15 (1)
B-L	-1747 / 0	-102.1 -102.1	0.07 (1)	5.00	H-E	-508 / 0	0.13 (1)
L-C	-1686 / 0	-102.1 -102.1	0.34 (1)	4.80	J-D	0 / 661	0.15 (1)
C-D	-1458 / 0	-102.1 -102.1	0.33 (1)	5.07	C-J	-508 / 0	0.13 (1)
D-E	-1458 / 0	-102.1 -102.1	0.33 (1)	5.07	K-L	-117 / 132	0.00 (1)
E-N	-1686 / 0	-102.1 -102.1	0.34 (1)	4.80	M-N	-117 / 132	0.00 (1)
N-F	-1747 / 0	-102.1 -102.1	0.07 (1)	5.00			
F-G	0 / 37	-102.1 -102.1	0.14 (1)	10.00			
B-K	0 / 1409	-18.5 -18.5	0.29 (1)	10.00			
K-J	0 / 1409	-18.5 -18.5	0.35 (1)	10.00			
J-I	0 / 803	-18.5 -18.5	0.25 (1)	10.00			
I-H	0 / 803	-18.5 -18.5	0.25 (1)	10.00			
H-M	0 / 1409	-18.5 -18.5	0.35 (1)	10.00			
M-F	0 / 1409	-18.5 -18.5	0.29 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 29.0 PSF
DL = 6.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.4 PSF
TOTAL LOAD = 42.4 PSF

SPACING = 24.0 IN. G/C

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBC 2018, CBC 2012
- CSA 086-08, CSA 086-14
- TRC 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) = $L/360$ (0.67")
CALCULATED VERT. DEFL. (LL) = $L/999$ (0.08")
ALLOWABLE DEFL. (TL) = $L/360$ (0.67")
CALCULATED VERT. DEFL. (TL) = $L/999$ (0.12")

CSI: TC=0.34/1.00 (C-L:1), BC=0.35/1.00 (J-K:1), WB=0.15/1.00 (D-J:1), SSI=0.20/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

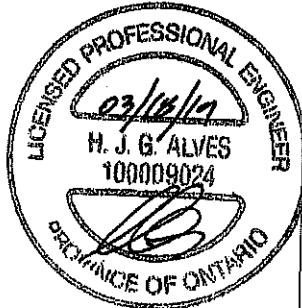
NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 618 354 1667 788 1987 1656

PLATE PLACEMENT TOL = 0.250 inches

PLATE ROTATION TOL = 5.0 Deg.

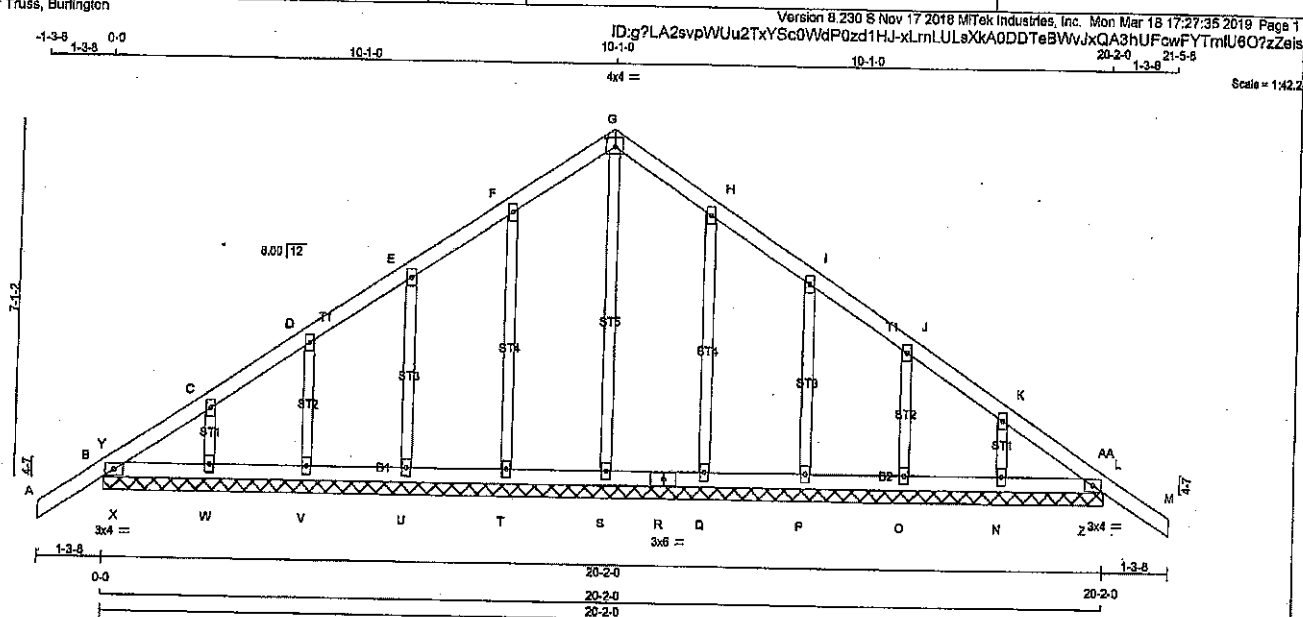
JSI GRIP= 0.80 (F) (INPUT = 0.90)
JSI METAL= 0.68 (B) (INPUT = 1.00)

THIS STRUCTURE MUST BE
CONSTRUCTED TO MEET OR
EXCEED THE PROVISIONS OF
THE ONTARIO BUILDING CODE



DWG NO. TAM 7905975
STRUCTURAL
COMPONENT ONLY

JOB NAME 401785	TRUSS NAME G1	QUANTITY 2	PLY 1	JOB DESC. GREEN PARK HOMES	DRWG NO.
Tamarack Roof Truss, Burlington					



LUMBER			DESIGN CRITERIA		
N. L. G. A. RULES			SPECIFIED LOADS:		
CHORDS	SIZE	LUMBER	TOP CH. LL	=	29.0 PSF
A - G	2x4	DRY No.2	DL	=	6.0 PSF
G - M	2x4	DRY No.2	BOT CH. LL	=	0.0 PSF
B - R	2x4	DRY No.2	DL	=	7.4 PSF
R - L	2x4	DRY No.2	TOTAL LOAD	=	42.4 PSF
ALL WEBS	2x3	DRY No.2	SPACING = 24.0 IN. C/C		
ALL GABLE WEBS	2x3	DRY No.2	THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2010, NBCC 2015		
DRY: SEASONED LUMBER.			THIS DESIGN COMPLIES WITH:		

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

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B TMB-I	MT20	3.0	4.0		
C, D, E, F, H, I, J, K					
C TMW-w	MT20	2.0	4.0		
G TTW-p	MT20	4.0	4.0	2.25	2.00
L TMB-I	MT20	3.0	4.0		
N, O, P, Q, S, T, U, V, W					
N BMW1+w	MT20	2.0	4.0		
R BS-t	MT20	3.0	6.0		

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

BEARINGS

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

BRACING

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

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

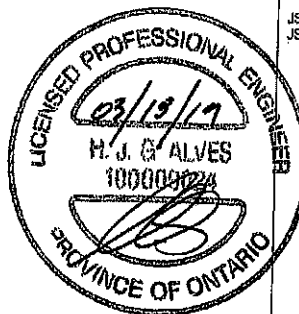
LOADING

TOTAL LOAD CASES: (4)

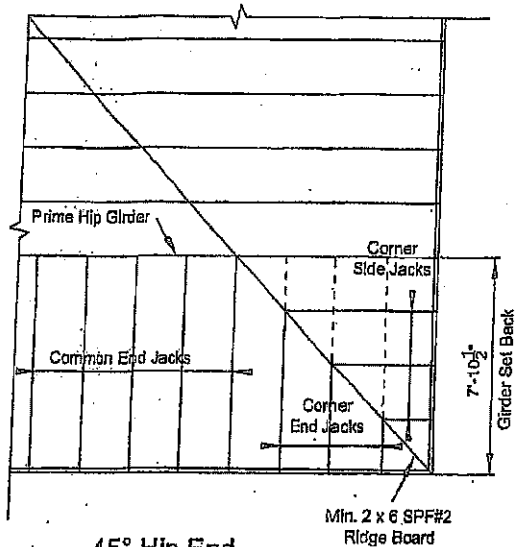
CHORDS			WEBS		
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 MAX (PLF) CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO	FR-TO		
A-B	0/37	-102.1 -102.1 0.14 (1)	S-G	-138/0	0.12 (1)
B-Y	-87/0	-102.1 -102.1 0.01 (4)	T-F	-232/0	0.12 (1)
Y-C	-48/0	-102.1 -102.1 0.05 (1)	U-E	-196/0	0.05 (1)
C-D	-47/0	-102.1 -102.1 0.05 (1)	V-O	-199/0	0.04 (1)
D-E	-39/0	-102.1 -102.1 0.05 (1)	W-C	-205/0	0.03 (1)
E-F	-31/0	-102.1 -102.1 0.06 (1)	Q-H	-232/0	0.12 (1)
F-G	-41/0	-102.1 -102.1 0.06 (1)	P-I	-196/0	0.06 (1)
G-H	-41/0	-102.1 -102.1 0.06 (1)	Q-J	-199/0	0.04 (1)
H-I	-31/0	-102.1 -102.1 0.06 (1)	N-K	-205/0	0.03 (1)
I-J	-39/0	-102.1 -102.1 0.05 (1)	X-Y	-98/2	0.00 (1)
J-K	-47/0	-102.1 -102.1 0.05 (1)	Z-AA	-98/2	0.00 (1)
K-AA	-48/0	-102.1 -102.1 0.05 (1)			
AA-L	-87/0	-102.1 -102.1 0.14 (1)			
L-M	0/37	-102.1 -102.1 0.14 (1)			
B-X	0/50	-18.5 -18.5 0.04 (1)			
X-W	0/50	-18.5 -18.5 0.04 (1)			
W-V	0/39	-18.5 -18.5 0.02 (1)			
V-U	0/32	-18.5 -18.5 0.02 (4)			
U-T	0/28	-18.5 -18.5 0.02 (4)			
T-S	0/25	-18.5 -18.5 0.02 (4)			
S-R	0/25	-18.5 -18.5 0.02 (4)			
R-Q	0/25	-18.5 -18.5 0.02 (4)			
Q-P	0/28	-18.5 -18.5 0.02 (4)			
P-O	0/32	-18.5 -18.5 0.02 (4)			
O-N	0/38	-18.5 -18.5 0.02 (1)			
N-Z	0/50	-18.5 -18.5 0.04 (1)			
Z-L	0/50	-18.5 -18.5 0.04 (1)			

RECEIVED
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TOWN OF BUILDING SECTION
FILE NO.



DRWG NO. TAM T1903473
STRUCTURAL
(COMPARTMENT ONLY)



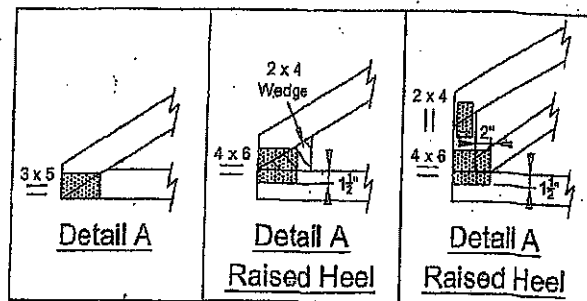
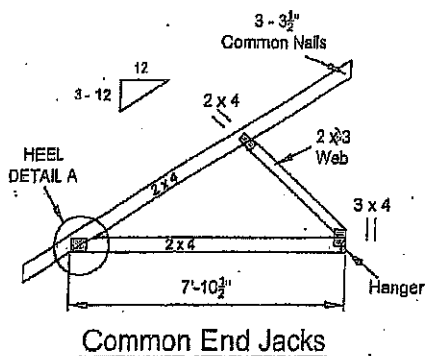
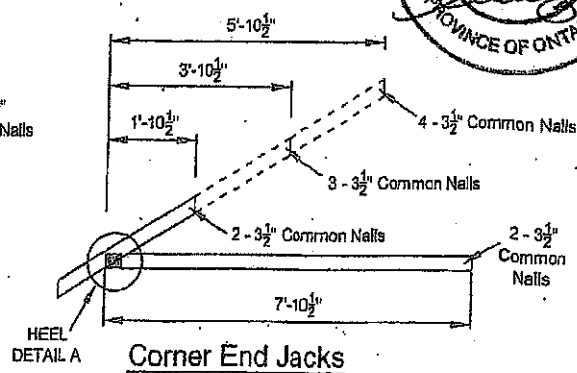
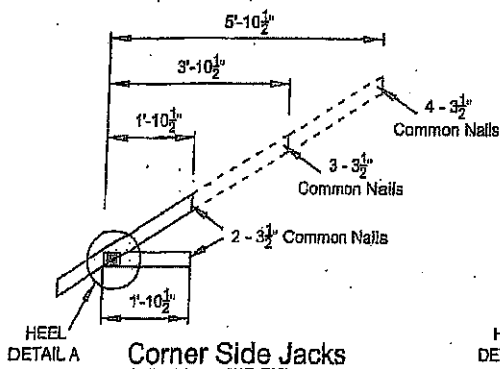
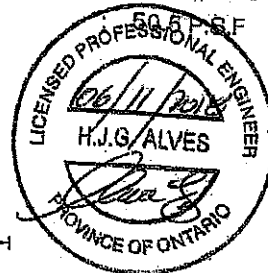
LUMBER SPECIFICATION

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.

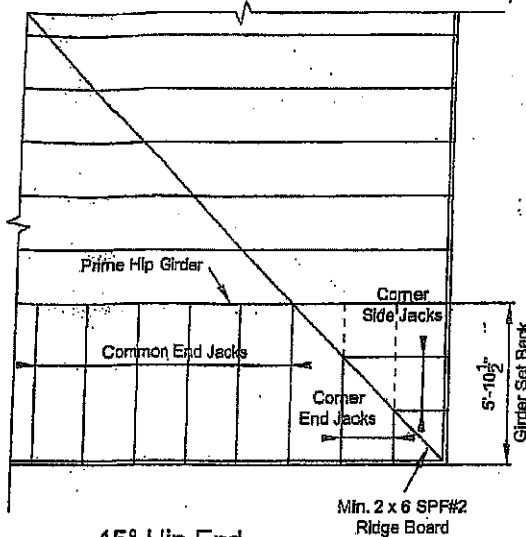
TOTAL LOAD



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

T-1800217

THIS STRUCTURE MUST BE
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THE ONTARIO BUILDING CODE



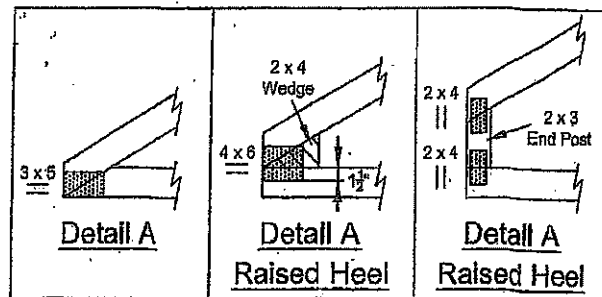
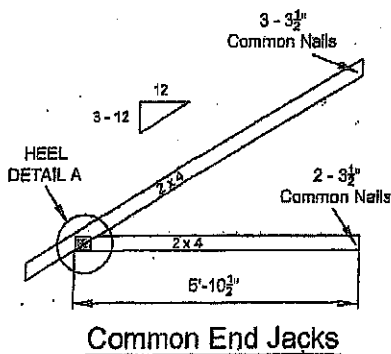
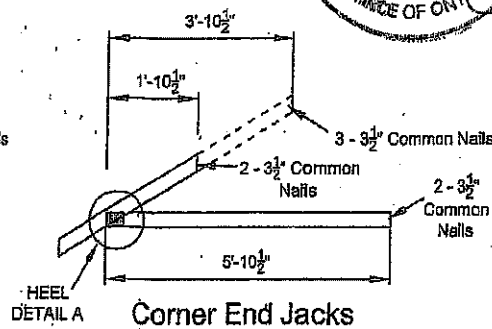
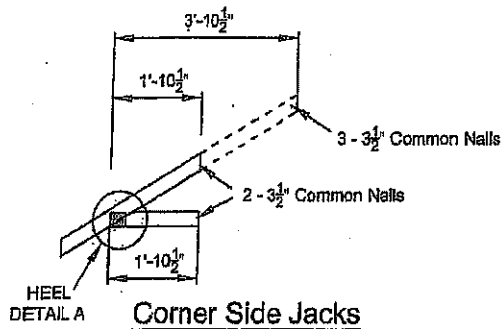
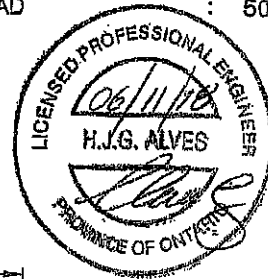
LUMBER SPECIFICATION

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

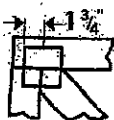


NOTE: DESIGN CONFORMS TO PART 9, O.B.C. 2012 (L.S.D. DESIGN)

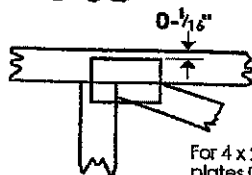
T-1800216

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 0-1/16" 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

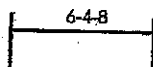


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

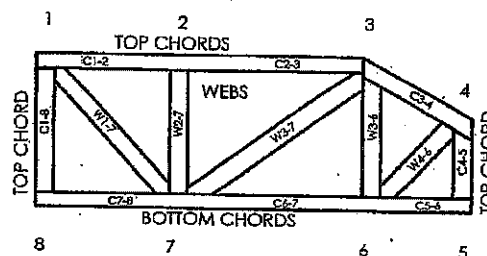
Industry Standards:

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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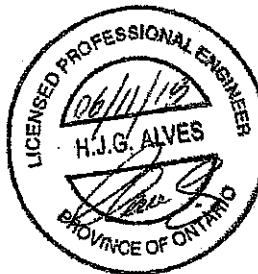
MiTek
POWER TO PERFORM.™

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.



Alves Engineering Services Inc.

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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

THIS STRUCTURE MUST BE

CONSTRUCTED TO MEET OR

EXCEED THE PROVISIONS OF

THE ONTARIO BUILDING CODE

F-1900218
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