

ENGINEERING NOTE PAGE (ENP-1)
PLEASE READ PRIOR TO INSTALLATION

NE0818-100
GREENPARK-MINNISALE
HOMES-HEMLOCK 4 EL 1

LOT 35 R

RESPONSIBILITIES

THIS DESIGN IS FOR AN INDIVIDUAL BUILDING COMPONENT AND HAS BEEN BASED ON INFORMATION PROVIDED BY THE DESIGN OFFICE OF KOTT LUMBER. THE UNDERSIGNED ENGINEER DISCLAIMS ANY RESPONSIBILITY FOR DAMAGES AS A RESULT OF FAULTY OR INCORRECT INFORMATION, SPECIFICATION AND/OR DESIGNS FURNISHED TO THE ENGINEER. THE UNDERSIGNED ENGINEER IS ONLY RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF THIS BUILDING COMPONENT FOR THE CONDITIONS AND LOADS SHOWN ON THIS DRAWING. THE STRUCTURAL INTEGRITY OF THE BUILDING AND THE VERIFICATION OF THE DIMENSIONS AND THE DESIGN LOADS USED ARE THE RESPONSIBILITY OF THE BUILDING DESIGNER.

TRUSSES ARE DESIGNED IN CONFORMANCE WITH THE RELEVANT SECTIONS OF THE NATIONAL BUILDING CODE OF CANADA OR THE CANADIAN CODE FOR FARM BUILDINGS, WHICHEVER APPLIES TO THE BUILDING TYPE INDICATED ON THE DRAWING

IT IS THE RESPONSIBILITY OF KOTT LUMBER TO ENSURE THAT TRUSSES ARE MANUFACTURED IN CONFORMANCE WITH THESE DESIGNS AND WITH THE SPECIFICATIONS OUTLINED BELOW. THE UNDERSIGNED ENGINEER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

USE AND OCCUPANCY

- The building is of the type indicated on the drawing

LOADING

- The truss loading intensity and distribution as well as load transfer mechanism is that indicated on the drawing
- No buildings, trees, parapets or other projections higher than the roof for which the trusses are used are located within a distance less than ten (10) times the difference in height, or five metres (16 ft) whichever is greater, unless the drawing indicates that the snow drifting has been taken into account

HANDLING, INSTALLATION AND BRACING

- The trusses must be handled and installed by a qualified professional as per the supplied document titled *Information for Truss Installers* and the BCSI-B1 and BCSI-B3 Summary Sheets
- The compression chords are laterally braced by continuous rigid diaphragm sheathing or as specified on the drawing
- Temporary and permanent bracing must be installed as indicated on the truss drawing and according to the BCSI-B1 and BCSI-B3 Summary Sheets. Bracing for the lateral stability of the truss is to be provided by the building designer
- **It is recommended that a Professional Engineer's advice be obtained for the bracing of trusses spanning more than 12.37m (40'-7")**

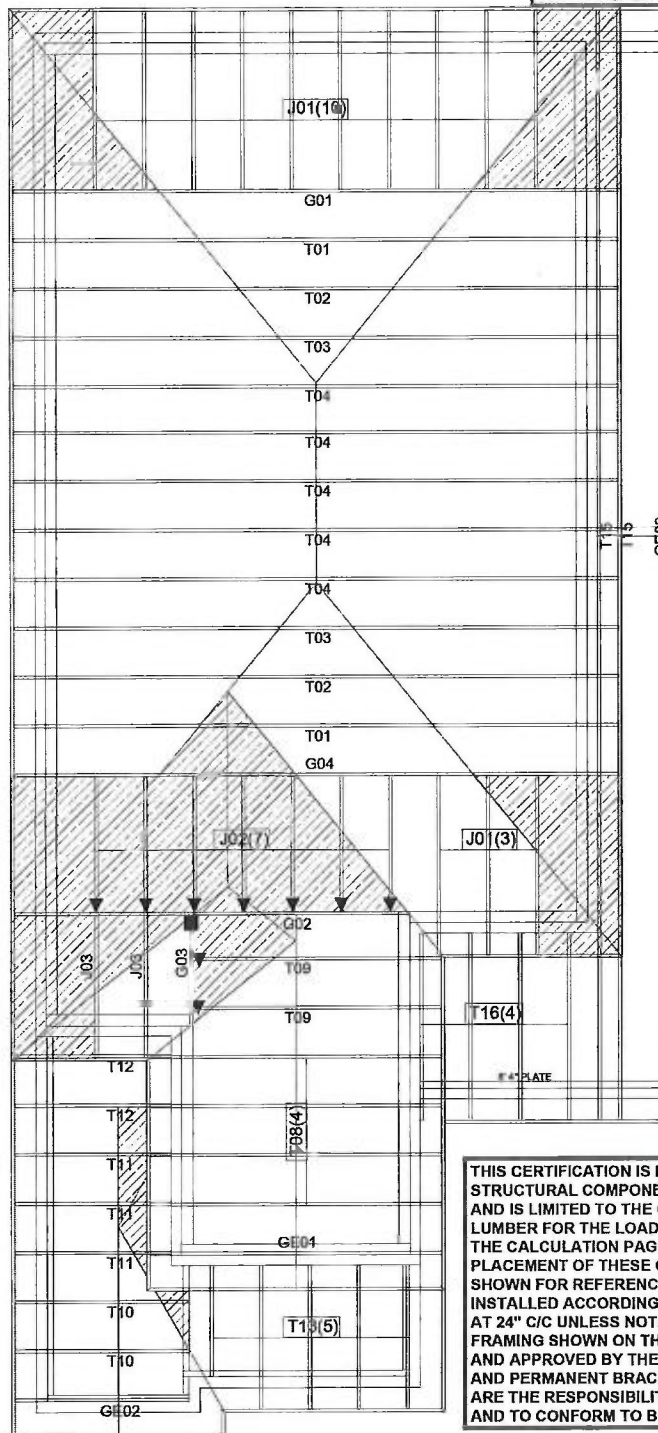
SUPPORTS

- The trusses are to be supported at the bearing points indicated and anchored to the supports where considered necessary by the designer of the overall structure
- Bearing sizes shown are the minimum required to prevent crushing of the truss members and do not necessarily take into account stability of the overall building structure
- Elevation of bearings must be carefully checked and shimmed to alignment for solid bearings
- Adequate wood truss bearing is the responsibility of the building designer.

DIMENSIONS

- Geometry of the truss and dimensions indicated on the drawing are identical to those of the installed truss.

READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.



See attached layout

THIS CERTIFICATION IS FOR THE ENGINEERING REVIEW OF STRUCTURAL COMPONENTS SHOWN ON THIS DRAWING AND IS LIMITED TO THE COMPONENTS SUPPLIED BY KOTT LUMBER FOR THE LOADS AND CONDITIONS SHOWN ON THE CALCULATION PAGE OF EACH COMPONENT. THE PLACEMENT OF THESE COMPONENTS ON THIS LAYOUT IS SHOWN FOR REFERENCE ONLY. ROOF TRUSSES MUST BE INSTALLED ACCORDING TO MANUFACTURER'S GUIDELINES AT 24" C/C UNLESS NOTED OTHERWISE. CONVENTIONAL FRAMING SHOWN ON THE LAYOUT MUST BE DESIGNED AND APPROVED BY THE PROJECT ENGINEER. TEMPORARY AND PERMANENT BRACINGS OF THE ROOF AND BUILDING ARE THE RESPONSIBILITY OF THE PROJECT ENGINEER AND TO CONFORM TO BCSI GUIDELINES.

Architectural Drawing Info:
Date: JULY 23, 2018
Project number: 16012
Model: HEMLOCK 4



CONVENTIONAL FRAMING BY OTHERS

ALL CONVENTIONAL FRAMING TO CONFORM WITH PART 9 OF THE O.B.C. ROOF RAFTERS THAT CROSS MEET OVER TRUSSES TO BE 2x4 E.P.F. @ 24"OC WITH A 2x4 VERTICAL POST TO THE TRUSS UNDER EACH CROSS POINT. VERTICAL POST LONGER THAN 8' TO HAVE LATERAL BRACING SO THAT THE DISTANCE BETWEEN END POINT AND BETWEEN ROWS OF BRACING DOES NOT EXCEED 8'.

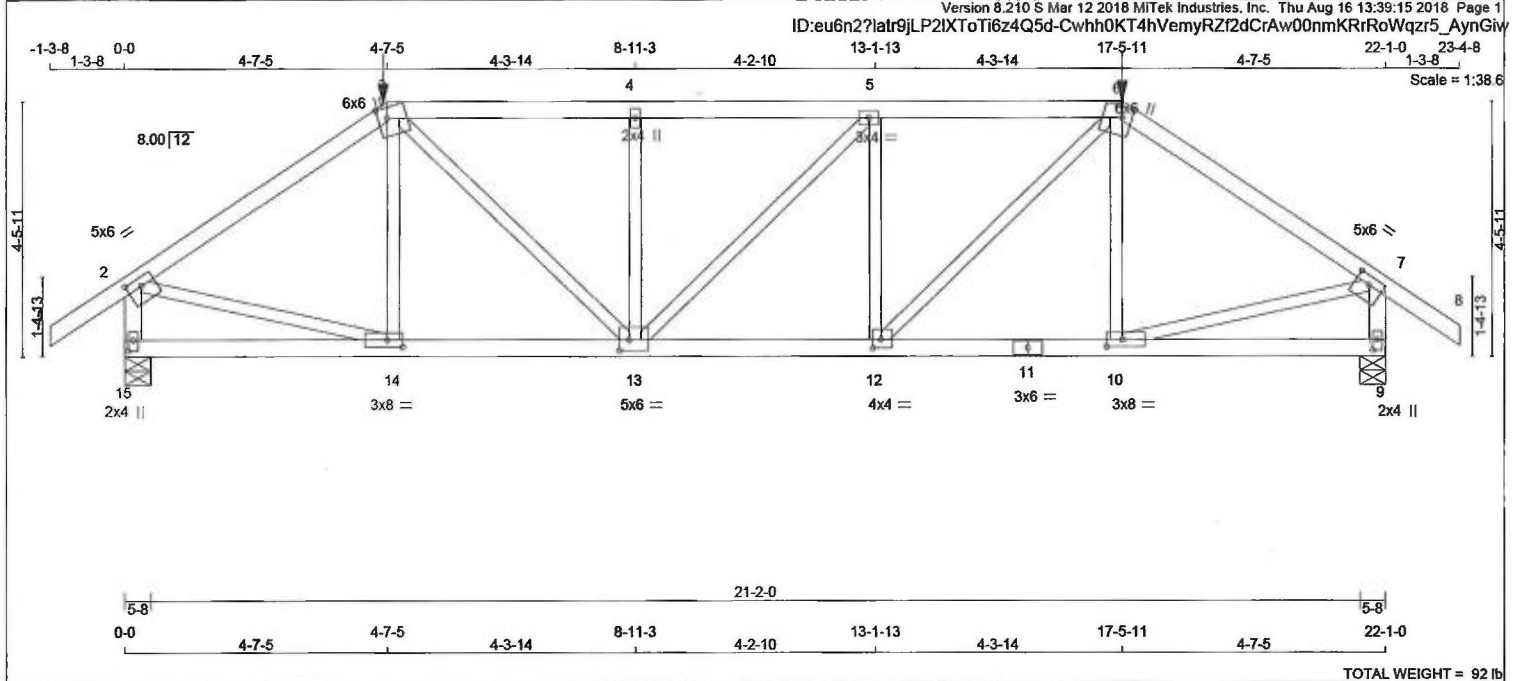
SIZE AND LOCATION OF CONVENTIONAL FRAMING IS APPROXIMATE. ALL AREAS MAY NOT BE SHOWN. REFER TO ARCHITECTURAL PLANS FOR DETAILS.

HANGER LEGEND:

- ▼ LUS24
- LUS26DS
- HGUS26
- ✕ HGUS26-2

DESIGN CRITERIA:
SAP-CALCULATED LOADS:
TOP CH. LL = 21.3 PSF
DA = 5 PSF
BOY CH. LL = 8 PSF
DA = 7 PSF
TOTAL LOAD = 33.3 PSF
SPACING = 24" OC.
THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2012
THIS DESIGN COMPLETES WITH:
PART 9 OF NBC 2012, CBC 2012, AND 2014
CSA S5-S6
1963/2011

Model: HEMLOCK 4 EL 1
Customer: GREENPARK
Project: MINNISALE HOMES
Location: BRAMPTON
Date: 6/20/2018 Drawn by: BB



LUMBER	N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
1 - 3	2x4	DRY	No.2	SPF		
3 - 6	2x4	DRY	No.2	SPF		
6 - 8	2x4	DRY	No.2	SPF		
15 - 2	2x4	DRY	No.2	SPF		
9 - 7	2x4	DRY	No.2	SPF		
15 - 11	2x4	DRY	No.2	SPF		
11 - 9	2x4	DRY	No.2	SPF		

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
2	TMVW-1	MT20	5.0	6.0	1.75	3.00
3	TTWW+m	MT20	6.0	6.0	2.25	2.00
4	TMVW+w	MT20	2.0	4.0		
5	TMVW-1	MT20	3.0	4.0		
6	TTWW+m	MT20	6.0	6.0	2.25	2.00
7	TMVW-1	MT20	5.0	6.0	1.75	3.00
9	BMV1+p	MT20	2.0	4.0	2.25	1.00
10	BMVW-1	MT20	3.0	8.0	1.50	3.25
11	BS-1	MT20	3.0	6.0		
12	BMVW-1	MT20	4.0	4.0	1.75	1.75
13	BMVW-1	MT20	5.0	6.0	2.25	2.00
14	BMVW-1	MT20	3.0	8.0	1.50	3.25
15	BMV1+p	MT20	2.0	4.0	2.25	1.00

HANGERS NOTES

1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 267.4 lbs FACTORED DOWN AT 17-5-11, AND 267.4 lbs FACTORED DOWN AT 4-7-5 ON TOP CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
15	2033	0	2033	0	0	5-8	5-8
9	2033	0	2033	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN	COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
15	1425	1004 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	421 / 0	0 / 0
9	1425	1004 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	421 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 15, 9

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED		WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT. LOAD	LC1 MAX	MAX. UNBRAC	MEMB.	FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM	TO	LENGTH	FR-TO		
1-2	0 / 29	-77.4	-77.4 0.11 (1)	10.00	14-3	-259 / 65	0.08 (1)
2-3	-2255 / 0	-77.4	-77.4 0.45 (1)	4.08	3-13	0 / 1152	0.29 (1)
3-4	-2697 / 0	-145.9	-145.9 0.51 (1)	3.63	13-4	-669 / 0	0.21 (1)
4-5	-2697 / 0	-145.9	-145.9 0.52 (1)	3.62	13-5	-4 / 0	0.00 (1)
5-6	-2700 / 0	-145.9	-145.9 0.52 (1)	3.61	12-5	-670 / 0	0.21 (1)
6-7	-2255 / 0	-77.4	-77.4 0.45 (1)	4.08	12-6	0 / 1157	0.29 (1)
7-8	0 / 29	-77.4	-77.4 0.11 (1)	10.00	10-6	-261 / 65	0.08 (1)
15-2	-1969 / 0	0.0	0.0 0.22 (1)	5.95	2-14	0 / 1922	0.48 (1)
9-7	-1968 / 0	0.0	0.0 0.22 (1)	5.96	10-7	0 / 1922	0.48 (1)
15-14	0 / 0	-33.0	-33.0 0.18 (4)	10.00			
14-13	0 / 1867	-33.0	-33.0 0.43 (1)	10.00			
13-12	0 / 2700	-33.0	-33.0 0.55 (1)	10.00			
12-11	0 / 1867	-33.0	-33.0 0.43 (1)	10.00			
11-10	0 / 1867	-33.0	-33.0 0.43 (1)	10.00			
10-9	0 / 0	-33.0	-33.0 0.18 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
3	4-7-5	-267	-267	---	FRONT	VERT	TOTAL
6	17-5-11	-267	-267	---	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 23.3 PSF
DL = 3.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 33.3 PSF

SPACING = 24.0 IN. C/C

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

GIRDER TYPE: CPrimeHip
SIDE SETBACK = 4-7-5
END SETBACK = 6-0-0
END WALL WIDTH = 5-8
CORNER FRAMING TYPE: CONVENTIONAL
END JACK TYPE: CONVENTIONAL
APPLIED TO FRONT SIDE
- ADD'L LOADS BASED ON 55 % OF GSL.

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

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

(55 % OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.74")
CALCULATED VERT. DEFL.(LL)= L/999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.74")
CALCULATED VERT. DEFL.(TL)= L/999 (0.17")

CSI: TC=0.52/1.00 (5-6:1), BC=0.55/1.00 (12-13:1), WB=0.48/1.00 (2-14:1), SSI=0.32/1.00 (5-6:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
	MAX	MIN	MAX
MT20	618	354	1667
	822	2284	1656

CONTINUED ON PAGE 2



READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.

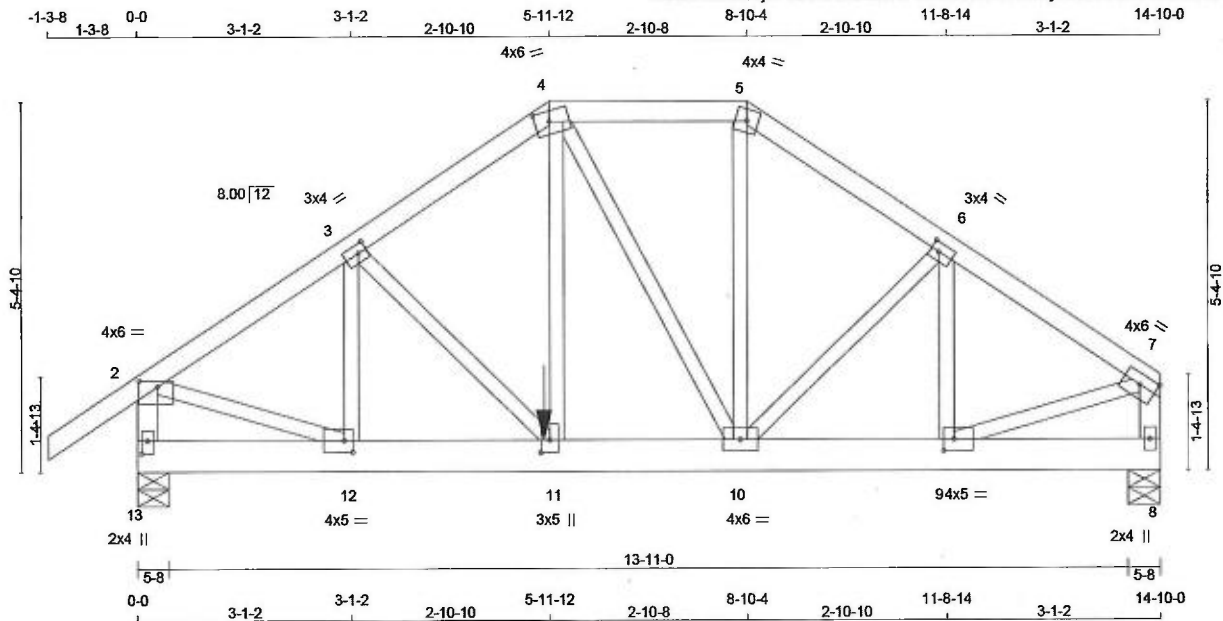
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
NE0818-100	G01	1	1	GREENPARK-MINNISALE HOMES-HEMLOCK 4 EL 1	PAGE 4 OF 31

Version 8.210 S Mar 12 2018 MiTek Industries, Inc. Thu Aug 16 13:39:15 2018 Page 2
ID:eu6n2?latr9jLP2IXToTi6z4Q5d-Cwhh0KT4hVemyRZf2dCrAw00nmKRrRoWqzr5_AynGiv

PLATE PLACEMENT TOL. = 0.250 inches
PLATE ROTATION TOL. = 5.0 Deg.
JSI GRIP= 0.89 (14) (INPUT = 0.90)
JSI METAL= 0.60 (2) (INPUT = 1.00)

READ ALL NOTES ON THIS PAGE AND ON
ENGINEERING NOTE PAGE ENP-1. THIS
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THE DESIGN OF THIS COMPONENT.





TOTAL WEIGHT = 77 lb
[M]

LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
1 - 4	2x4	DRY	No.2
4 - 5	2x4	DRY	No.2
5 - 7	2x4	DRY	No.2
13 - 2	2x4	DRY	No.2
8 - 7	2x4	DRY	No.2
13 - 8	2x6	DRY	No.2

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
1	TMVW-p	MT20	4.0	6.0	1.00	3.25
3	TMVW-t	MT20	3.0	4.0	1.50	1.50
4	TTWW-m	MT20	4.0	6.0	1.75	2.50
5	TTWW-m	MT20	4.0	4.0		
6	TMVW-t	MT20	3.0	4.0	1.50	1.50
7	TMVW-t	MT20	4.0	6.0	1.75	Edge
8	BMV1+p	MT20	2.0	4.0		
9	BMVW-t	MT20	4.0	5.0	2.00	1.75
10	BMVW-t	MT20	4.0	6.0		
11	BMVW-t	MT20	3.0	5.0	2.25	1.50
12	BMVW-t	MT20	4.0	5.0	2.00	1.50
13	BMV1+p	MT20	2.0	4.0	2.25	1.00

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

HANGERS NOTES

- SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 555.7 lbs FACTORED DOWN AT 5-10-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT		REQD	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	BRG	IN-SX	BRG
13	1992	0	1992	0	0	5-8	5-8		
8	1613	0	1613	0	0	5-8	5-8		

UNFACTORED REACTIONS

JT	1ST LCASE		MAX/MIN COMPONENT REACTIONS				
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
13	1396	990 / 0	0 / 0	0 / 0	0 / 0	406 / 0	0 / 0
8	1132	792 / 0	0 / 0	0 / 0	0 / 0	340 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 13, 8

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.64 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM TO		FR-TO			
1-2	0 / 29	-77.4 -77.4	0.11 (1)	10-00	12-3	-151 / 32	0.03 (1)
2-3	-1900 / 0	-116.8 -116.8	0.21 (1)	4.64	3-11	-233 / 0	0.07 (1)
3-4	-1747 / 0	-116.8 -116.8	0.20 (1)	4.82	11-4	0 / 957	0.24 (1)
4-5	-1322 / 0	-77.4 -77.4	0.14 (1)	5.44	4-10	-272 / 0	0.15 (1)
5-6	-1588 / 0	-77.4 -77.4	0.13 (1)	5.08	10-5	0 / 678	0.17 (1)
6-7	-1642 / 0	-77.4 -77.4	0.14 (1)	5.02	10-6	-98 / 0	0.03 (1)
13-2	-1832 / 0	0.0 0.0	0.20 (1)	6.13	9-6	-166 / 0	0.03 (1)
8-7	-1459 / 0	0.0 0.0	0.16 (1)	6.73	2-12	0 / 1677	0.42 (1)
					9-7	0 / 1446	0.36 (1)
13-12	0 / 0	-110.4 -110.4	0.09 (1)	10.00			
12-11	0 / 1597	-110.4 -110.4	0.29 (1)	10.00			
11-10	0 / 1454	-101.5 -101.5	0.27 (1)	10.00			
10-9	0 / 1376	-101.5 -101.5	0.26 (1)	10.00			
9-8	0 / 0	-101.5 -101.5	0.09 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
11	5-10-12	-556	-556		FRONT	VERT	TOTAL

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	= 23.3 PSF
	DL	= 3.0 PSF
BOT CH.	LL	= 0.0 PSF
	DL	= 7.0 PSF
TOTAL LOAD	=	33.3 PSF

SPACING = 24.0 IN./C/C

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

GIRDER TYPE: CPrimeHip
SIDE SETBACK = 0-0
END SETBACK = 4-6-0
END WALL WIDTH = 5-8
CORNER FRAMING TYPE: CONVENTIONAL
END JACK TYPE: CONVENTIONAL
APPLIED TO FRONT SIDE
- ADDTL LOADS BASED ON 55% OF GSL.
LOADS APPLIED TO FIRST 5-10-12 OF SPAN MEASURED FROM THE LEFT.

GIRDER TYPE: CSldGirder
START DISTANCE = 0-0
START SPAN CARRIED = 5-6-8
END DISTANCE = 14-10-0
END SPAN CARRIED = 5-6-8
END WALL WIDTH = 0-0
APPLIED TO BACK SIDE OF BOTTOM CHORD.
- ADDTL LOADS BASED ON 55% OF GSL.

*** 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

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

(55% OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= 1/360 (0.49")
CALCULATED VERT. DEFL.(LL)= 1/999 (0.03")
ALLOWABLE DEFL.(TL)= 1/360 (0.49")
CALCULATED VERT. DEFL.(TL)= 1/999 (0.06")

CONTINUED ON PAGE 2



READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.

CSI: TC=0.21/1.00 (2-3:1) , BC=0.29/1.00 (11-12:1)
 , WB=0.42/1.00 (2-12:1) , SSI=0.15/1.00 (2-3:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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	1667 822 2284 1656

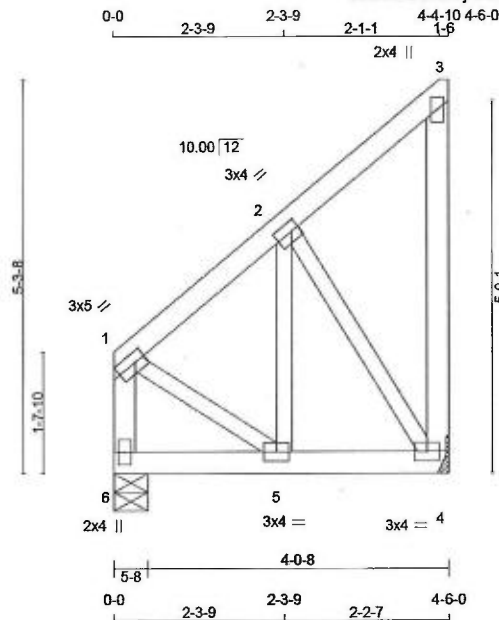
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (2) (INPUT = 0.90)
 JSI METAL= 0.48 (12) (INPUT = 1.00)

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 THIS DRAWING AS IT CONTAINS
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 THE DESIGN OF THIS COMPONENT.





Scale = 1:29.5

TOTAL WEIGHT = 26 lb [M]

LUMBER				DESCR.	
N. L. G. A. RULES	CHORDS	SIZE	LUMBER		
1 - 3	2x4	DRY	No.2	SPF	
4 - 3	2x4	DRY	No.2	SPF	
6 - 1	2x4	DRY	No.2	SPF	
6 - 4	2x4	DRY	No.2	SPF	
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
1	TMVW-t	MT20	3.0	5.0	1.50	1.75
2	TMVW-t	MT20	3.0	4.0	1.50	1.25
3	TMV+p	MT20	2.0	4.0		
4	BMVW1-t	MT20	3.0	4.0		
5	BMVW-t	MT20	3.0	4.0		
6	BMV1+p	MT20	2.0	4.0		

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

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQRD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
4	556	0	556	0	0	5-8	5-8
6	556	0	556	0	0	5-8	5-8

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT 4 TO RESIST THE MAX FACTORED REACTIONS.

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
4	390	273 / 0	0 / 0	0 / 0	0 / 0	117 / 0	0 / 0
6	390	273 / 0	0 / 0	0 / 0	0 / 0	117 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 6

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. (PLF)	FACTORED LC1 MAX (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. (PLF)	FACTORED LC1 MAX (LC)
FR-TO		FROM TO		FR-TO		FROM TO	
1-2	-296 / 0	-77.4 -77.4	0.07 (1)	6-5	0 / 329	0.08 (1)	
2-3	-13 / 0	-77.4 -77.4	0.07 (1)	6-5	-418 / 0	0.11 (1)	
4-3	-65 / 0	0.0 0.0	0.03 (1)	5-4	0 / 272	0.07 (1)	
6-1	-401 / 0	0.0 0.0	0.05 (1)				
6-5	0 / 0	-169.7 -169.7	0.14 (1)	10.00			
5-4	0 / 236	-169.7 -169.7	0.18 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 23.3 PSF
DL = 3.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 33.3 PSF

SPACING = 24.0 IN. C/C

GIRDER TYPE: CStd Girder
START DISTANCE = 0-0
START SPAN CARRIED = 8-10-8
END DISTANCE = 4-6-0
END SPAN CARRIED = 8-10-8
END WALL WIDTH = 5-8
APPLIED TO FRONT SIDE OF BOTTOM CHORD.
- ADD'L LOADS BASED ON 55 % OF GSL.

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

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

(55 % OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.07/1.00 (1-2:1), BC=0.18/1.00 (4-5:1), WB=0.11/1.00 (2-4:1), SSI=0.20/1.00 (5-6:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

CONTINUED ON PAGE 2



READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.



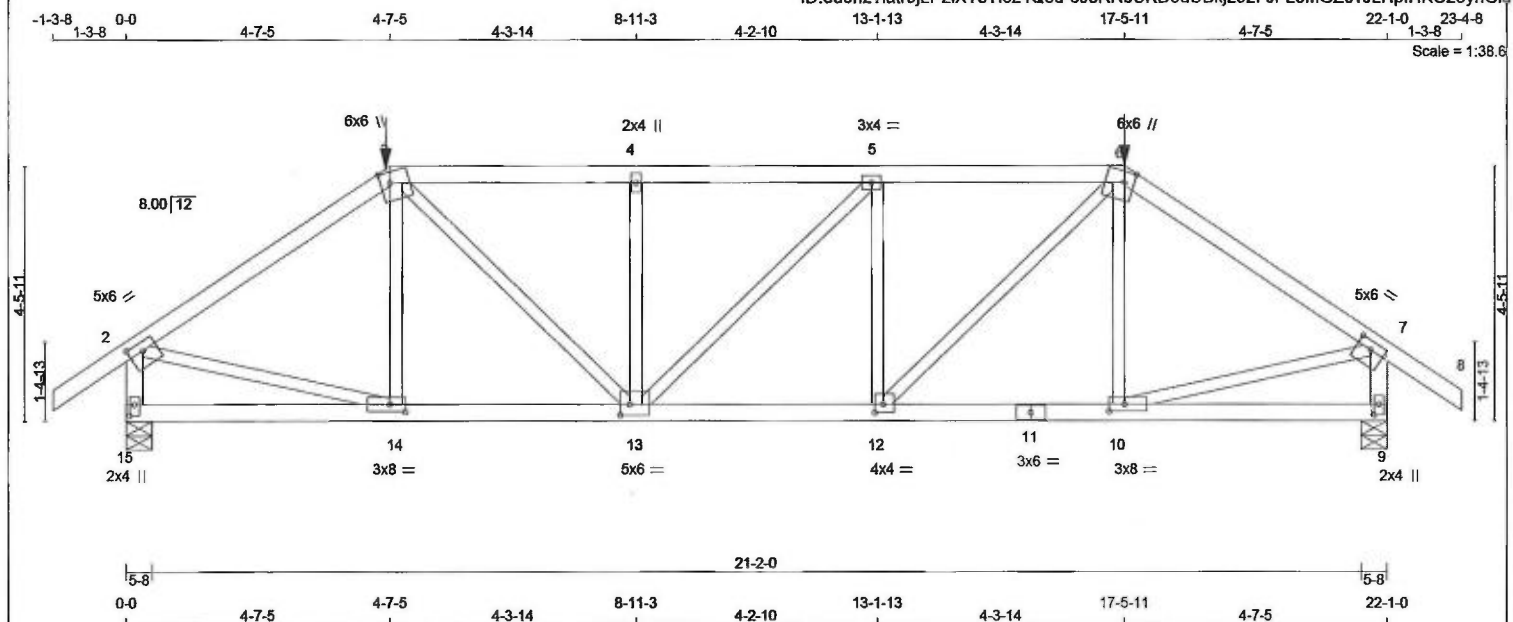
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
NE0818-100	G03	1	1	GREENPARK-MINNISALE HOMES-HEMLOCK 4 EL 1	PAGE 8 OF 31
		TRUSS DESC.			

Version 8.210 S Mar 12 2018 MiTek Industries, Inc. Thu Aug 16 13:39:16 2018 Page 2
ID:eu6n2?latr9jLP2lXTToTi6z4Q5d-g6F3DgTiSomdab8rcLj4j8ZleAmQa_jg3dafWdynGiv

JSI GRIP= 0.66 (5) (INPUT = 0.90)
JSI METAL= 0.12 (5) (INPUT = 1.00)

READ ALL NOTES ON THIS PAGE AND ON
ENGINEERING NOTE PAGE ENP-1. THIS
NOTE PAGE IS AN INTEGRAL PART OF
THIS DRAWING AS IT CONTAINS
SPECIFICATIONS AND CRITERIA USED IN
THE DESIGN OF THIS COMPONENT.





TOTAL WEIGHT = 92 lb [M]

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
1 - 3	2x4	DRY	No.2	SPF	
3 - 6	2x4	DRY	No.2	SPF	
6 - 8	2x4	DRY	No.2	SPF	
15 - 2	2x4	DRY	No.2	SPF	
9 - 7	2x4	DRY	No.2	SPF	
15 - 11	2x4	DRY	No.2	SPF	
11 - 9	2x4	DRY	No.2	SPF	

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
2	TMVW-I	MT20	5.0	6.0	1.75	3.00
3	TTWW+m	MT20	6.0	6.0	2.25	2.00
4	TMW+w	MT20	2.0	4.0		
5	TMWW-I	MT20	3.0	4.0		
6	TTWW+m	MT20	6.0	6.0	2.25	2.00
7	TMVW-I	MT20	5.0	6.0	1.75	3.00
9	BMV1+p	MT20	2.0	4.0	2.25	1.00
10	BMWW-I	MT20	3.0	8.0	1.50	3.25
11	BS-I	MT20	3.0	6.0		
12	BMWW-I	MT20	4.0	4.0	1.75	1.75
13	BMWWW-I	MT20	5.0	6.0	2.25	2.00
14	BMWW-I	MT20	3.0	8.0	1.50	3.25
15	BMV1+p	MT20	2.0	4.0	2.25	1.00

HANGERS NOTES

- SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 267.4 lbs FACTORED DOWN AT 17-5-11, AND 267.4 lbs FACTORED DOWN AT 4-7-5 ON TOP CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER.

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

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQRD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
15	2033	0	2033	0	0	5-8	5-8
9	2033	0	2033	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN	COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
15	1425	1004 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	421 / 0	0 / 0
9	1425	1004 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	421 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 15, 9

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX LC1 MAX CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX LC1 MAX CSI (LC)	MAX UNBRACED LENGTH
FR-TO		FROM TO		FR-TO			
1-2	0 / 29	-77.4 -77.4	0.11 (1)	10-0	14-3	-259 / 65	0.08 (1)
2-3	-2255 / 0	-77.4 -77.4	0.45 (1)	4-08	3-13	0 / 1152	0.29 (1)
3-4	-2697 / 0	-145.9 -145.9	0.51 (1)	3-63	13-4	-669 / 0	0.21 (1)
4-5	-2697 / 0	-145.9 -145.9	0.52 (1)	3-62	13-5	-4 / 0	0.00 (1)
5-6	-2700 / 0	-145.9 -145.9	0.52 (1)	3-61	12-5	-670 / 0	0.21 (1)
6-7	-2255 / 0	-77.4 -77.4	0.45 (1)	4-08	12-6	0 / 1157	0.29 (1)
7-8	0 / 29	-77.4 -77.4	0.11 (1)	10-0	10-6	-261 / 65	0.08 (1)
15-2	-1969 / 0	0.0 0.0	0.22 (1)	5-95	2-14	0 / 1922	0.48 (1)
9-7	-1968 / 0	0.0 0.0	0.22 (1)	5-96	10-7	0 / 1922	0.48 (1)
15-14	0 / 0	-33.0 -33.0	0.18 (4)	10-00			
14-13	0 / 1867	-33.0 -33.0	0.43 (1)	10-00			
13-12	0 / 2700	-33.0 -33.0	0.55 (1)	10-00			
12-11	0 / 1867	-33.0 -33.0	0.43 (1)	10-00			
11-10	0 / 1867	-33.0 -33.0	0.43 (1)	10-00			
10-9	0 / 0	-33.0 -33.0	0.18 (4)	10-00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE
3	4-7-5	-267	-267	---	FRONT	VERT	TOTAL
6	17-5-11	-267	-267	---	FRONT	VERT	TOTAL

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	23.3	PSF
	DL =	3.0	PSF
BOT CH.	LL =	0.0	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	33.3	PSF

SPACING = 24.0 IN. C/C

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

GIRDER TYPE: CPrimeHlp
SIDE SETBACK = 4-7-5
END SETBACK = 6-0-0
END WALL WIDTH = 5-8
CORNER FRAMING TYPE: CONVENTIONAL
END JACK TYPE: CONVENTIONAL
APPLIED TO FRONT SIDE
- ADDTL. LOADS BASED ON 55 % OF GSL.

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

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

(55 % OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.74")
CALCULATED VERT. DEFL.(LL)= L/999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.74")
CALCULATED VERT. DEFL.(TL)= L/999 (0.17")

CSI: TC=0.52/1.00 (5-6:1), BC=0.55/1.00 (12-13:1), WB=0.48/1.00 (2-14:1), SSI=0.32/1.00 (5-6:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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 822 2284 1656

CONTINUED ON PAGE 2



READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.

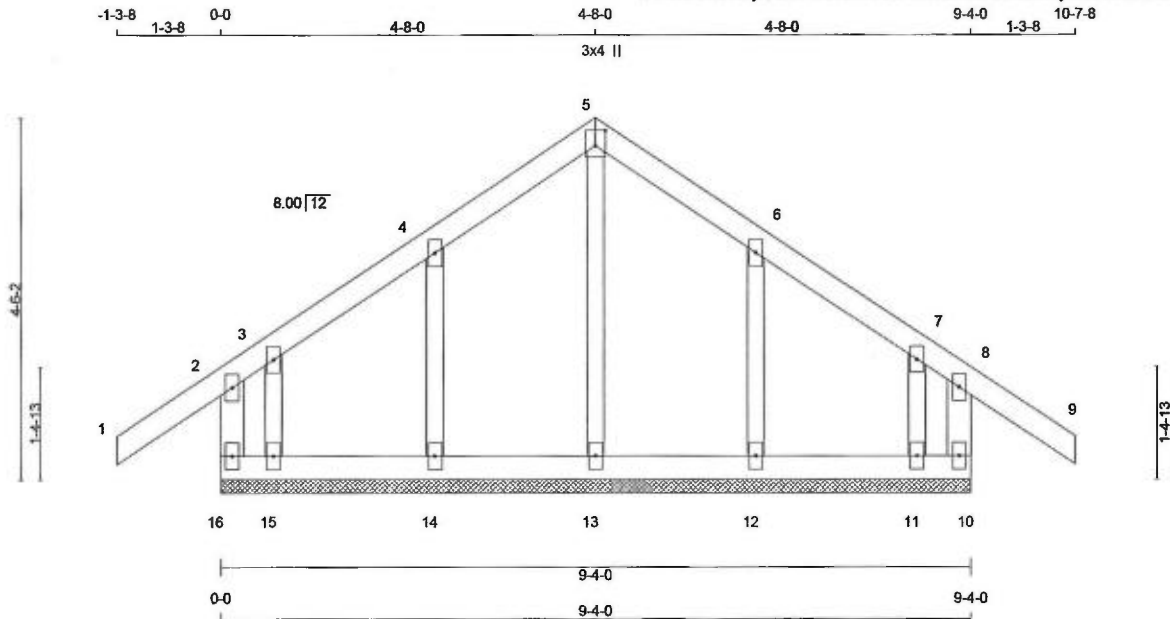
JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
NE0818-100	G04	1	1	GREENPARK-MINNISALE HOMES-HEMLOCK 4 EL 1	PAGE 10 OF 31

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ID:eu6n2?latr9jLP2lXTi6z4Q5d-8JoRR0UKD6uUBkj292FJFL5MGZ0vJLHplHKC23ynGiu

PLATE PLACEMENT TOL. = 0.250 inches
PLATE ROTATION TOL. = 5.0 Deg.
JSI GRIP= 0.89 (14) (INPUT = 0.90)
JSI METAL= 0.60 (2) (INPUT = 1.00)

READ ALL NOTES ON THIS PAGE AND ON
ENGINEERING NOTE PAGE ENP-1. THIS
NOTE PAGE IS AN INTEGRAL PART OF
THIS DRAWING AS IT CONTAINS
SPECIFICATIONS AND CRITERIA USED IN
THE DESIGN OF THIS COMPONENT.





Scale = 1:27.4

TOTAL WEIGHT = 39 lb

LUMBER					DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER		DESIGN CRITERIA	
N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.	BEARINGS		SPECIFIED LOADS:	
16 - 2	2x4	DRY	No.2	SPF	THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.		TOP CH. LL =	23.3 PSF
1 - 5	2x4	DRY	No.2	SPF	THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.		DL =	3.0 PSF
5 - 9	2x4	DRY	No.2	SPF	BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S)		BOT CH. LL =	0.0 PSF
10 - 8	2x4	DRY	No.2	SPF	BRACING		DL =	7.0 PSF
16 - 10	2x4	DRY	No.2	SPF	TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.		TOTAL LOAD =	33.3 PSF
ALL WEBS	2x3	DRY	No.2	SPF	MAX. UNBRACED BOTTOM CHORD LENGTH = 6.25 FT OR RIGID CEILING DIRECTLY		SPACING = 24.0 IN. C/C	
ALL GABLE WEBS	2x3	DRY	No.2	SPF	LOADING		THIS TRUSS IS DESIGNED FOR RESIDENTIAL	
DRY: SEASONED LUMBER.					TOTAL LOAD CASES: (4)		- PART 9 OF OBC 2012, BCBC 2012, ABC 2014	
GABLE STUDS SPACED AT 2-0-0 OC.					ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.			

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
2	TMV+p	MT20	2.0	4.0		
3, 4, 6, 7						
3	TMW+w	MT20	2.0	4.0		
5	TTW+p	MT20	3.0	4.0	2.25	1.50
8	TMV+p	MT20	2.0	4.0		
10	BMV1+p	MT20	2.0	4.0		
11, 12, 13, 14, 15						
11	BMW1+w	MT20	2.0	4.0		
16	BMV1+p	MT20	2.0	4.0		

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			
16-2	-176 / 0	0.0	0.03 (1)	7.81	13-5	-189 / 0	0.06 (1)
1-2	0 / 29	-77.4	-77.4 0.10 (1)	10.00	14-4	-164 / 0	0.03 (1)
2-3	-11 / 0	-77.4	-77.4 0.07 (1)	6.25	15-3	-33 / 0	0.00 (1)
3-4	0 / 27	-77.4	-77.4 0.04 (1)	10.00	12-6	-164 / 0	0.03 (1)
4-5	0 / 28	-77.4	-77.4 0.04 (1)	10.00	11-7	-33 / 0	0.00 (1)
5-6	0 / 28	-77.4	-77.4 0.04 (1)	10.00			
6-7	0 / 27	-77.4	-77.4 0.04 (1)	10.00			
7-8	-11 / 0	-77.4	-77.4 0.07 (1)	6.25			
8-9	0 / 29	-77.4	-77.4 0.10 (1)	10.00			
10-8	-176 / 0	0.0	0.03 (1)	7.81			
16-15	-18 / 0	-17.5	-17.5 0.01 (4)	6.25			
15-14	-20 / 0	-17.5	-17.5 0.01 (4)	6.25			
14-13	-24 / 0	-17.5	-17.5 0.01 (4)	6.25			
13-12	-24 / 0	-17.5	-17.5 0.01 (4)	6.25			
12-11	-20 / 0	-17.5	-17.5 0.01 (4)	6.25			
11-10	-18 / 0	-17.5	-17.5 0.01 (4)	6.25			

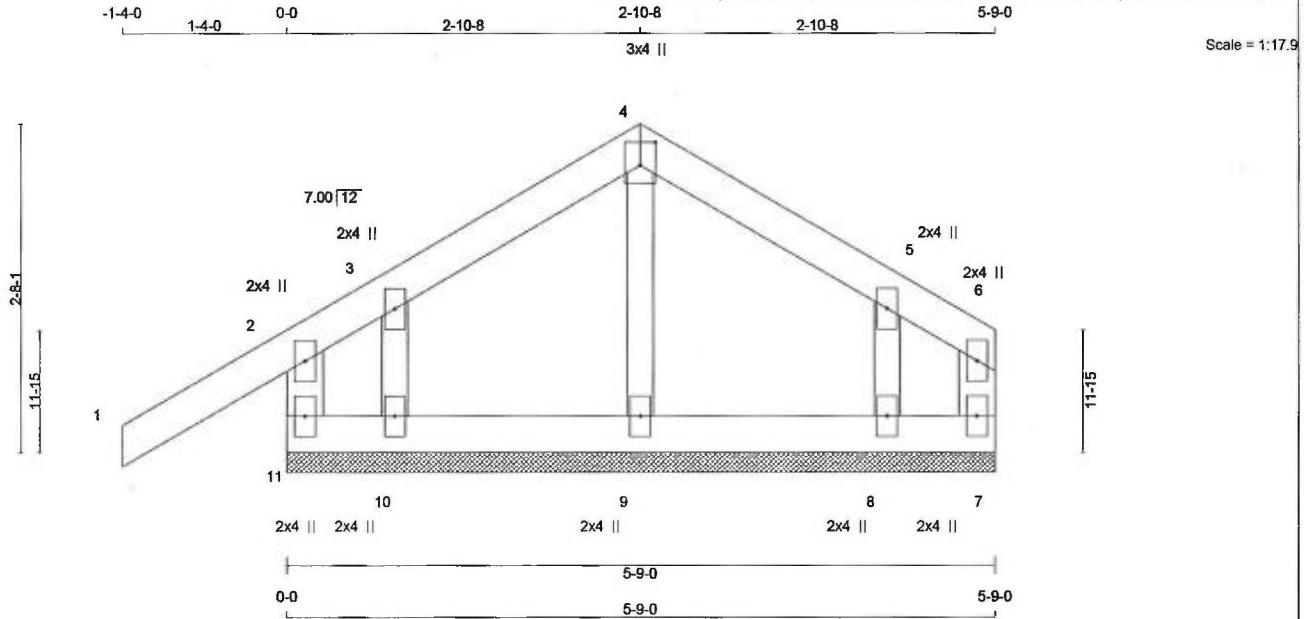
DESIGN ASSUMPTIONS
- OVERHANG NOT TO BE ALTERED OR CUT OFF.
(55% OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD
CSI: TC=0.10/1.00 (8-9:1), BC=0.01/1.00 (13-14:4), WB=0.06/1.00 (5-13:1), SSI=0.07/1.00 (8-9:1)
DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10
COMPANION LIVE LOAD FACTOR = 0.50
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 822 2284 1656
PLATE PLACEMENT TOL. = 0.250 inches
PLATE ROTATION TOL. = 5.0 Deg.
JSI GRIP= 0.13 (5) (INPUT = 0.90)
JSI METAL= 0.06 (5) (INPUT = 1.00)



READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.





TOTAL WEIGHT = 21 lb
(M)

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
11 - 2	2x4	DRY	No.2	SPF
1 - 4	2x4	DRY	No.2	SPF
4 - 6	2x4	DRY	No.2	SPF
7 - 6	2x4	DRY	No.2	SPF
11 - 7	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.

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.

BRACING
PROVIDE ANCHORAGE AT BEARING JOINT 7 FOR 150 LBS FACTORED UPLIFT
BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S).

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)	LC1 MAX CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED LENGTH (FR-TO)	MAX CSI (LC)
11-2	-182 / 0	0.0	0.0 0.03 (1)	7-8	-190 / 0	0.03 (1)	0.03 (1)
1-2	0 / 27	-77.4	-77.4 0.11 (1)	10-3	-52 / 0	0.01 (1)	0.01 (1)
2-3	-11 / 0	-77.4	-77.4 0.07 (1)	8-5	-130 / 0	0.02 (1)	0.02 (1)
3-4	0 / 21	-77.4	-77.4 0.05 (1)				
4-5	0 / 20	-77.4	-77.4 0.04 (1)				
5-6	0 / 22	-77.4	-77.4 0.03 (1)				
7-6	0 / 0	0.0	0.0 0.00 (1)				
11-10	-11 / 0	-17.5	-17.5 0.02 (1)				
10-9	-15 / 0	-17.5	-17.5 0.02 (4)				
9-8	-15 / 0	-17.5	-17.5 0.02 (4)				
8-7	-7 / 0	-17.5	-17.5 0.01 (4)				

DESIGN CRITERIA

SPECIFIED LOADS:
TOP CH. LL = 23.3 PSF
DL = 3.0 PSF
BOT CH. LL = 0.0 PSF
DL = 7.0 PSF
TOTAL LOAD = 33.3 PSF

SPACING = 24.0 IN. C/C

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

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

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

(55% OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.11/1.00 (1-2:1), BC=0.02/1.00 (10-11:1), WB=0.03/1.00 (4-9:1), SS=0.07/1.00 (1-2:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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 822 2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.12 (4) (INPUT = 0.90)
JSI METAL= 0.07 (4) (INPUT = 1.00)

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
2	TMV+p	MT20	2.0	4.0		
3	TMW+w	MT20	2.0	4.0		
4	TTW+p	MT20	3.0	4.0	2.25	1.50
5	TMW+w	MT20	2.0	4.0		
6	TMV+p	MT20	2.0	4.0		
7	BMV1+p	MT20	2.0	4.0		
8, 9, 10						
8	BMW1+w	MT20	2.0	4.0		
11	BMV1+p	MT20	2.0	4.0		



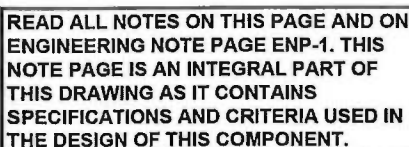
READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.



Version 8.210 S Mar 12 2018 MiTek Industries, Inc. Thu Aug 16 13:39:19 2018 Page 1

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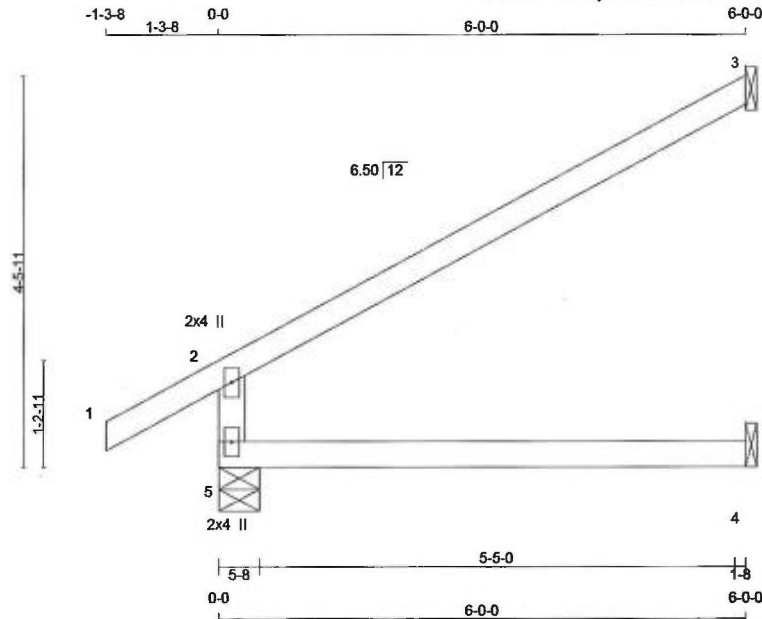
LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MAX. FACTORED	FACTORED			MAX. FACTORED	FACTORED		
MEMB.	FORCE	VERT. LOAD	LC1 MAX	MEMB.	FORCE	MAX	
	(LBS)	(PLF)	CSI (LC)		(LBS)	CSI (LC)	
FR-TO		FROM	TO	LENGTH	FR-TO		
42-41	-4 / 0	-17.5	-17.5 0.01 (4)	10.00			
41-40	-3 / 0	-17.5	-17.5 0.01 (4)	10.00			
40-39	-2 / 1	-17.5	-17.5 0.01 (4)	10.00			
39-38	0 / 1	-17.5	-17.5 0.01 (4)	10.00			
38-37	0 / 1	-17.5	-17.5 0.01 (4)	10.00			
37-36	0 / 4	-17.5	-17.5 0.01 (4)	10.00			
36-35	0 / 6	-17.5	-17.5 0.01 (4)	10.00			
35-34	0 / 8	-17.5	-17.5 0.01 (4)	10.00			
33-34	-40 / 7	0.0	0.0 0.01 (1)	7.81			
34-23	-65 / 0	0.0	0.0 0.01 (1)	7.81			
33-32	0 / 8	-17.5	-17.5 0.01 (4)	10.00			
32-31	0 / 11	-17.5	-17.5 0.02 (4)	10.00			
31-30	0 / 16	-17.5	-17.5 0.02 (4)	10.00			
30-29	0 / 16	-17.5	-17.5 0.03 (1)	10.00			

READ ALL NOTES ON THIS PAGE AND ON
 ENGINEERING NOTE PAGE ENP-1. THIS
 NOTE PAGE IS AN INTEGRAL PART OF
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 SPECIFICATIONS AND CRITERIA USED IN
 THE DESIGN OF THIS COMPONENT.





TOTAL WEIGHT = 13 X 17 = 225 lb [M]

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
5 - 2	2x4	DRY	No.2	SPF	
1 - 3	2x4	DRY	No.2	SPF	
5 - 4	2x4	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
2	TMV+p	MT20	2.0	4.0		
5	BMV1+p	MT20	2.0	4.0		

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD BRG
	VERT	HORZ	DOWN	HORZ		
5	457	0	457	0	5-8	5-8
3	174	0	174	0	1-8	1-8
4	43	0	49	0	1-8	1-8

SEE MITEK STANDARD DETAIL B37579H FOR CONNECTION TO JOINT(S) 3, 4

UNFACTORED REACTIONS

1ST LCASE		MAX/MIN COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
5	318	238 / 0	0 / 0	0 / 0	0 / 0	80 / 0	0 / 0
3	118	105 / 0	0 / 0	0 / 0	0 / 0	14 / 0	0 / 0
4	35	0 / 0	0 / 0	0 / 0	0 / 0	35 / 0	0 / 0

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

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. UNBRAC	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM TO		LENGTH	FR-TO		
5-2	-395 / 0	0.0	0.0	0.13 (4)	7.81		
1-2	0 / 25	-77.4	-77.4	0.10 (1)	10.00		
2-3	-28 / 0	-77.4	-77.4	0.47 (1)	6.25		
5-4	0 / 0	-17.5	-17.5	0.13 (4)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 23.3 PSF
	DL = 3.0 PSF
BOT CH.	LL = 0.0 PSF
	DL = 7.0 PSF
TOTAL LOAD	= 33.3 PSF

SPACING = 24.0 IN./C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55% OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.47/1.00 (2-3:1), BC=0.13/1.00 (4-5:4),
WB=0.00/1.00 (n/a:0), SSI=0.20/1.00 (2-3:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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
	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

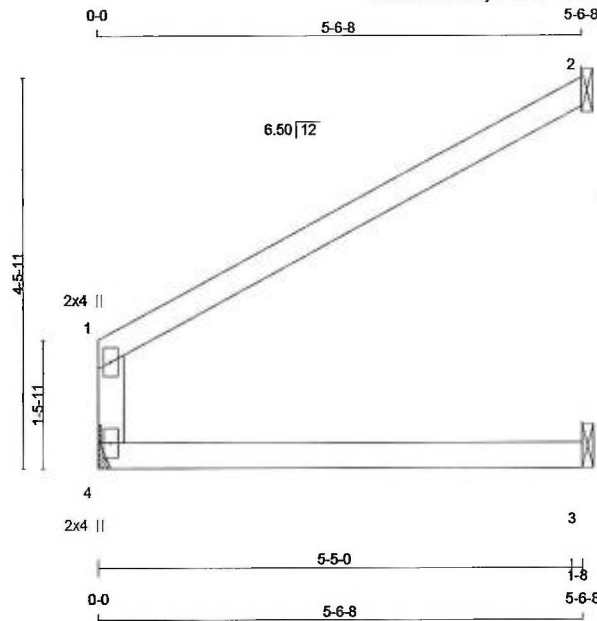
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.23 (2) (INPUT = 0.90)
JSI METAL= 0.09 (2) (INPUT = 1.00)



READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.





Scale = 1:25.2

TOTAL WEIGHT = 7 X 15 = 104 lb [M][F]

LUMBER			
N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.
4 - 1	2x4	DRY	No.2
1 - 2	2x4	DRY	No.2
4 - 3	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
1	TMV+p	MT20	2.0	4.0		
4	BMV1+p	MT20	2.0	4.0		

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD BRG
	VERT	HORZ	DOWN	HORZ		
4	263	0	263	0	MECHANICAL	
2	197	0	197	0	1-8	1-8
3	66	0	66	0	1-8	1-8

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT 4 TO RESIST THE MAX FACTORED REACTIONS.

SEE MITEK STANDARD DETAIL B37579H FOR CONNECTION TO JOINT(S) 2, 3

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN COMPONENT REACTIONS					
		COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD
4	184	129 / 0	0 / 0	0 / 0	0 / 0	0 / 0	55 / 0
2	134	116 / 0	0 / 0	0 / 0	0 / 0	0 / 0	18 / 0
3	50	13 / 0	0 / 0	0 / 0	0 / 0	0 / 0	37 / 0

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)

FR-TO	CHORDS			WEBS		
	MAX. FACTORED MEMB. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MAX. MEMB. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)
4-1	-232 / 0	0.0	0.0	0.12 (1)	7.81	
1-2	-8 / 1	-77.4	-77.4	0.34 (1)	10.00	
4-3	0 / 0	-17.5	-17.5	0.17 (1)	10.00	

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 23.3	PSF
	DL = 3.0	PSF
BOT CH.	LL = 0.0	PSF
	DL = 7.0	PSF
TOTAL LOAD	= 33.3	PSF

SPACING = 24.0 IN./C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55% OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL)= L/ 999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL)= L/ 829 (0.08")

CSI: TC=0.34/1.00 (1-2:1), BC=0.17/1.00 (3-4:1),
WB=0.00/1.00 (n/a:0), SSI=0.16/1.00 (1-2:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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 822	2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

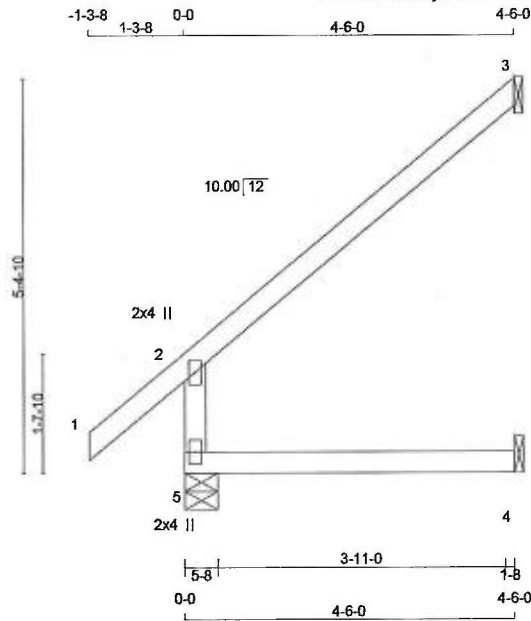
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.14 (1) (INPUT = 0.90)
JSI METAL = 0.05 (1) (INPUT = 1.00)



READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.





TOTAL WEIGHT = 2 X 15 = 31 lb
[M]

LUMBER				
N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
5 - 2	2x4	DRY	No.2	SPF
1 - 3	2x4	DRY	No.2	SPF
5 - 4	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
2	TMV+p	MT20	2.0	4.0	
5	BMV1+p	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		REQRD BRG	
JT		VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
5		369	0	369	0	0	5-8	5-8	
3		131	0	131	0	0	1-8	1-8	
4		34	0	38	0	0	1-8	1-8	

SEE MITEK STANDARD DETAIL B37579H FOR CONNECTION TO JOINT(S) 3, 4

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
5	256	195 / 0	0 / 0	0 / 0	0 / 0	61 / 0	0 / 0
3	89	79 / 0	0 / 0	0 / 0	0 / 0	10 / 0	0 / 0
4	27	0 / 0	0 / 0	0 / 0	0 / 0	27 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 5, 3

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS		FACTORED				WEBS		FACTORED	
MEMB.	FORCE (LBS)	VERT.	LOAD (PLF)	LC1 MAX	CS1 (LC)	MEMB.	FORCE (LBS)	MAX	CS1 (LC)
FR-TO		FROM TO		LENGTH FR-TO		LENGTH FR-TO			
5-2	-325 / 0	0.0	0.0	0.06 (4)	7.81				
1-2	0 / 34	-77.4	-77.4	0.11 (1)	10.00				
2-3	-28 / 0	-77.4	-77.4	0.27 (1)	6.25				
5-4	0 / 0	-17.5	-17.5	0.08 (4)	10.00				

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	23.3	PSF
	DL =	3.0	PSF
BOT CH.	LL =	0.0	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	33.3	PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55% OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.27/1.00 (2-3:1), BC=0.08/1.00 (4-5:4),
WB=0.00/1.00 (n/a:0), SSI=0.13/1.00 (2-3:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MT20	618	354	1667
	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

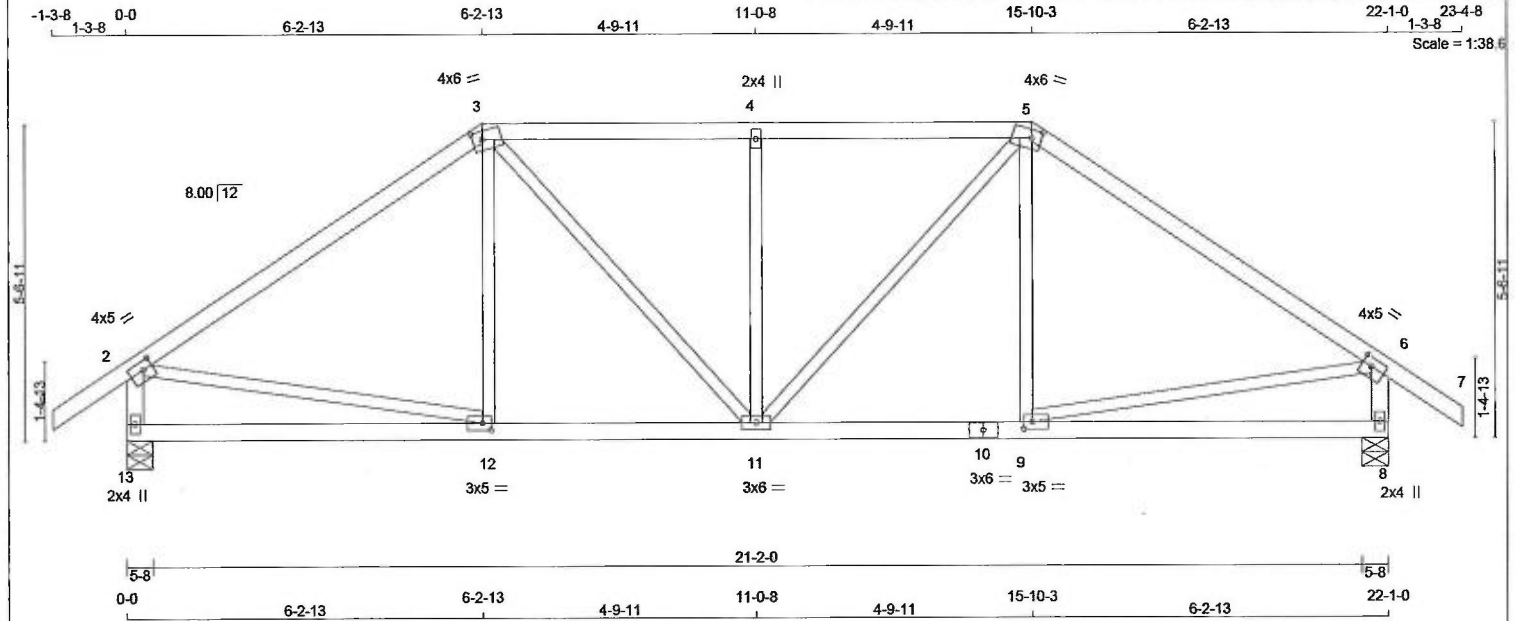
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.23 (2) (INPUT = 0.90)
JSI METAL= 0.09 (2) (INPUT = 1.00)



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TOTAL WEIGHT = 2 X 92 = 185 (M)

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
1 - 3	2x4	DRY	No.2	SPF	
3 - 5	2x4	DRY	No.2	SPF	
5 - 7	2x4	DRY	No.2	SPF	
13 - 2	2x4	DRY	No.2	SPF	
8 - 6	2x4	DRY	No.2	SPF	
13 - 10	2x4	DRY	No.2	SPF	
10 - 8	2x4	DRY	No.2	SPF	
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

PLATES (table is in inches)							
JT	TYPE	PLATES	W	LEN	Y	X	
2	TMVW-t	MT20	4.0	5.0	1.75	2.00	
3	TTWW-m	MT20	4.0	6.0	1.75	2.00	
4	TMW+w	MT20	2.0	4.0			
5	TTWW-m	MT20	4.0	6.0	1.75	2.00	
6	TMVW-t	MT20	4.0	5.0	1.75	2.00	
8	BMVt+p	MT20	2.0	4.0			
9	BMWW-t	MT20	3.0	5.0	1.50	1.75	
10	BS-t	MT20	3.0	6.0			
11	BMWWWW-t	MT20	3.0	6.0			
12	BMWW-t	MT20	3.0	5.0	1.50	1.75	
13	BMVt+p	MT20	2.0	4.0			

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

BEARINGS		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX	IN-SX
13	1154	0	1154	0	0	5-8	5-8	5-8	5-8
8	1154	0	1154	0	0	5-8	5-8	5-8	5-8

UNFACTORED REACTIONS		1ST LCASE		MAX/MIN COMPONENT REACTIONS		WIND		DEAD		SOIL	
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	JT	COMBINED	SNOW	LIVE
13	807	578 / 0	0 / 0	0 / 0	0 / 0	229 / 0	0 / 0	13	807	578 / 0	0 / 0
8	807	578 / 0	0 / 0	0 / 0	0 / 0	229 / 0	0 / 0	8	807	578 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 13, 8

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.53 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1) (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC1) (LBS)	MAX. FACTORED VERT. LOAD (LC1) (LBS)
FR-TO				FR-TO			
1-2	0 / 29	-77.4	-77.4 0.10 (1)	10-0	12-3	-36 / 85	0.03 (4)
2-3	-1090 / 0	-77.4	-77.4 0.42 (1)	5.53	3-11	0 / 347	0.08 (1)
3-4	-1140 / 0	-77.4	-77.4 0.24 (1)	5.68	11-4	-453 / 0	0.21 (1)
4-5	-1140 / 0	-77.4	-77.4 0.24 (1)	5.68	11-5	0 / 347	0.08 (1)
5-6	-1090 / 0	-77.4	-77.4 0.42 (1)	5.53	9-5	-36 / 85	0.03 (4)
6-7	0 / 29	-77.4	-77.4 0.10 (1)	10.00	2-12	0 / 919	0.21 (1)
13-2	-1108 / 0	0.0	0.0 0.11 (1)	7.52	9-6	0 / 919	0.21 (1)
8-6	-1108 / 0	0.0	0.0 0.11 (1)	7.52			
13-12	0 / 0	-17.5	-17.5 0.15 (4)	10.00			
12-11	0 / 906	-17.5	-17.5 0.23 (1)	10.00			
11-10	0 / 906	-17.5	-17.5 0.23 (1)	10.00			
10-9	0 / 906	-17.5	-17.5 0.23 (1)	10.00			
9-8	0 / 0	-17.5	-17.5 0.15 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	23.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD	=	33.3	PSF	

SPACING = 24.0 IN. C/C

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

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

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

(55 % OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.74")
CALCULATED VERT. DEFL.(LL)= L/ 999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.74")
CALCULATED VERT. DEFL.(TL)= L/ 999 (0.07")

CSI: TC=0.42/1.00 (2-3:1), BC=0.23/1.00 (11-12:1), WB=0.21/1.00 (4-11:1), SSI=0.18/1.00 (3-4:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES		PLATE GRIP(DRY) SHEAR SECTION	
(PSI)	(PLI)	(PSI)	(PLI)
MAX	MIN	MAX	MIN
MT20	618	354	1667
	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

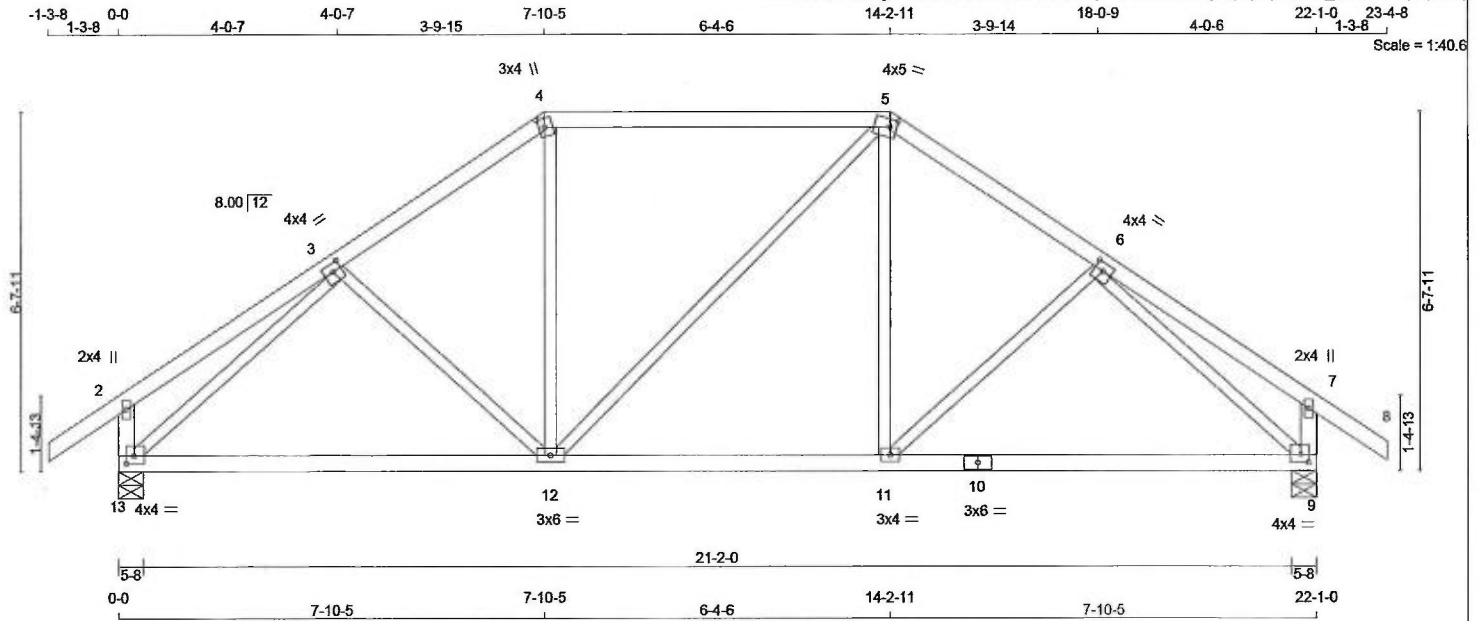
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (12) (INPUT = 0.90)
JSI METAL= 0.38 (2) (INPUT = 1.00)



READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.





TOTAL WEIGHT = 2 X 94 = 187 lb [M/JF]

LUMBER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER
1 - 4	2x4	DRY	No.2
4 - 5	2x4	DRY	No.2
5 - 8	2x4	DRY	No.2
13 - 2	2x4	DRY	No.2
9 - 7	2x4	DRY	No.2
13 - 10	2x4	DRY	No.2
10 - 9	2x4	DRY	No.2
ALL WEBS EXCEPT	2x3	DRY	No.2

SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
2	TMV+p	MT20	2.0	4.0	
3	TMWW-l	MT20	4.0	4.0	1.75 2.00
4	TTW+m	MT20	3.0	4.0	2.00 1.25
5	TTWW-m	MT20	4.0	5.0	1.75 1.50
6	TMWW-l	MT20	4.0	4.0	1.75 2.00
7	TMV+p	MT20	2.0	4.0	
9	BMVW1-l	MT20	4.0	4.0	1.75 1.75
10	BS-l	MT20	3.0	6.0	
11	BMWW-l	MT20	3.0	4.0	
12	BMWWW-l	MT20	3.0	6.0	
13	BMVW1-l	MT20	4.0	4.0	1.75 1.75

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

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQRD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
13	1154	0	1154	0	0	5-8	5-8
9	1154	0	1154	0	0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
13	807	578 / 0	0 / 0	0 / 0	0 / 0	229 / 0	0 / 0
9	807	578 / 0	0 / 0	0 / 0	0 / 0	229 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 13, 9

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.99 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.

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 (LC)	
FR-TO		FROM	TO	FR-TO		FROM	TO
1-2	0 / 29	-77.4	-77.4 0.10 (1)	10.00	3-12	-103 / 23	0.05 (1)
2-3	0 / 19	-77.4	-77.4 0.19 (1)	10.00	12-4	0 / 204	0.05 (4)
3-4	-1041 / 0	-77.4	-77.4 0.15 (1)	5.99	12-5	0 / 0	0.00 (1)
4-5	-852 / 0	-77.4	-77.4 0.41 (1)	6.04	11-5	0 / 204	0.05 (4)
5-6	-1040 / 0	-77.4	-77.4 0.15 (1)	5.99	11-6	-103 / 23	0.05 (1)
6-7	0 / 19	-77.4	-77.4 0.19 (1)	10.00	13-3	-1271 / 0	0.60 (1)
7-8	0 / 29	-77.4	-77.4 0.10 (1)	10.00	6-9	-1270 / 0	0.60 (1)
13-2	-224 / 0	0.0	0.0 0.02 (1)	7.81			
9-7	-224 / 0	0.0	0.0 0.02 (1)	7.81			
13-12	0 / 925	-17.5	-17.5 0.29 (4)	10.00			
12-11	0 / 852	-17.5	-17.5 0.28 (4)	10.00			
11-10	0 / 925	-17.5	-17.5 0.29 (4)	10.00			
10-9	0 / 925	-17.5	-17.5 0.29 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	23.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	33.3	PSF

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55% OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.74")
CALCULATED VERT. DEFL.(LL)= L/999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.74")
CALCULATED VERT. DEFL.(TL)= L/999 (0.13")

CSI: TC=0.41/1.00 (4-5:1), BC=0.29/1.00 (9-11:4), WB=0.60/1.00 (3-13:1), SSI=0.19/1.00 (4-5:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES					
PLATE	GRIP(DRY)	SHEAR	SECTION	(PSI)	(PLI)
	MAX	MIN	MAX	MIN	MAX
MT20	618	354	1667	822	2284

PLATE PLACEMENT TOL. = 0.250 inches

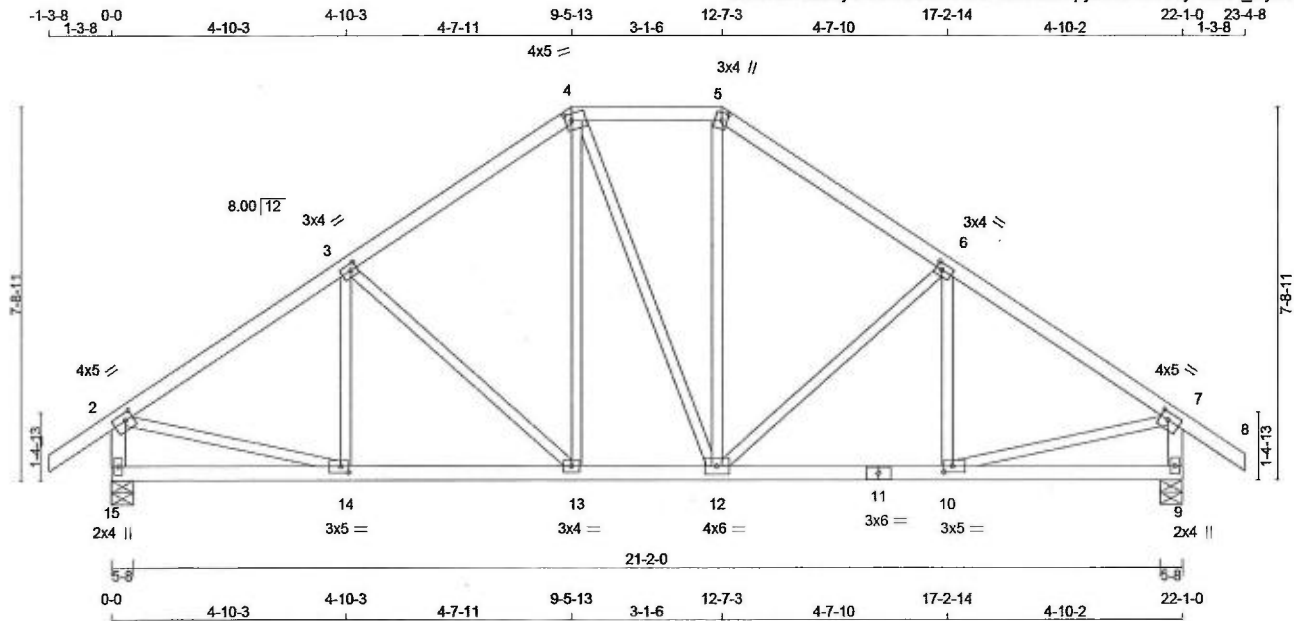
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (3) (INPUT = 0.90)
JSI METAL= 0.46 (3) (INPUT = 1.00)



READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.





TOTAL WEIGHT = 2 X 103 = 205 [M]

LUMBER	N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
1 - 4	2x4	DRY	No.2	SPF	
4 - 5	2x4	DRY	No.2	SPF	
5 - 8	2x4	DRY	No.2	SPF	
15 - 2	2x4	DRY	No.2	SPF	
9 - 7	2x4	DRY	No.2	SPF	
15 - 11	2x4	DRY	No.2	SPF	
11 - 9	2x4	DRY	No.2	SPF	

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
2	TMVW-t	MT20	4.0	5.0	1.75	2.00
3	TMWW-t	MT20	3.0	4.0	1.50	1.50
4	TTWW-m	MT20	4.0	5.0	1.75	1.50
5	TTW+m	MT20	3.0	4.0	2.00	1.25
6	TMWW-t	MT20	3.0	4.0	1.50	1.50
7	TMVW-t	MT20	4.0	5.0	1.75	2.00
9	BMV1+p	MT20	2.0	4.0		
10	BMWW-t	MT20	3.0	5.0	1.50	2.00
11	BS-t	MT20	3.0	6.0		
12	BMWWW-t	MT20	4.0	6.0		
13	BMWW-t	MT20	3.0	4.0		
14	BMWW-t	MT20	3.0	5.0	1.50	2.00
15	BMV1+p	MT20	2.0	4.0		

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

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQRD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
15	1154	0	1154	0	0	5-8	5-8
9	1154	0	1154	0	0	5-8	5-8

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN	COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
15	807	578 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	229 / 0	0 / 0
9	807	578 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	229 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 15, 9

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.67 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH	MEMB.	FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH
FR-TO		FROM TO		FR-TO		FROM TO	
1-2	0 / 29	-77.4 -77.4	0.10 (1)	10.00	14-3	-123 / 45	0.04 (1)
2-3	-1148 / 0	-77.4 -77.4	0.24 (1)	5.67	3-13	-286 / 0	0.21 (1)
3-4	-943 / 0	-77.4 -77.4	0.23 (1)	6.11	13-4	0 / 254	0.06 (1)
4-5	-768 / 0	-77.4 -77.4	0.10 (1)	6.25	4-12	0 / 3	0.00 (1)
5-6	-944 / 0	-77.4 -77.4	0.23 (1)	6.11	12-5	0 / 257	0.06 (1)
6-7	-1148 / 0	-77.4 -77.4	0.24 (1)	5.68	12-6	-285 / 0	0.21 (1)
7-8	0 / 29	-77.4 -77.4	0.10 (1)	10.00	10-6	-125 / 44	0.04 (1)
15-2	-1118 / 0	0.0 0.0	0.12 (1)	7.49	2-14	0 / 999	0.22 (1)
9-7	-1118 / 0	0.0 0.0	0.12 (1)	7.50	10-7	0 / 999	0.22 (1)
15-14	0 / 0	-17.5 -17.5	0.10 (4)	10.00			
14-13	0 / 975	-17.5 -17.5	0.20 (1)	10.00			
13-12	0 / 767	-17.5 -17.5	0.16 (1)	10.00			
12-11	0 / 975	-17.5 -17.5	0.20 (1)	10.00			
11-10	0 / 975	-17.5 -17.5	0.20 (1)	10.00			
10-9	0 / 0	-17.5 -17.5	0.10 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	23.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD	=	33.3	PSF	

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55 % OF 27.2 P.S.F. G.S.I. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.74")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.74")
CALCULATED VERT. DEFL.(TL) = L/999 (0.06")

CSI: TC=0.24/1.00 (2-3:1), BC=0.20/1.00 (13-14:1), WB=0.22/1.00 (2-14:1), SSI=0.15/1.00 (2-3:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
	MAX	MIN	MAX
MT20	618	354	1667
	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

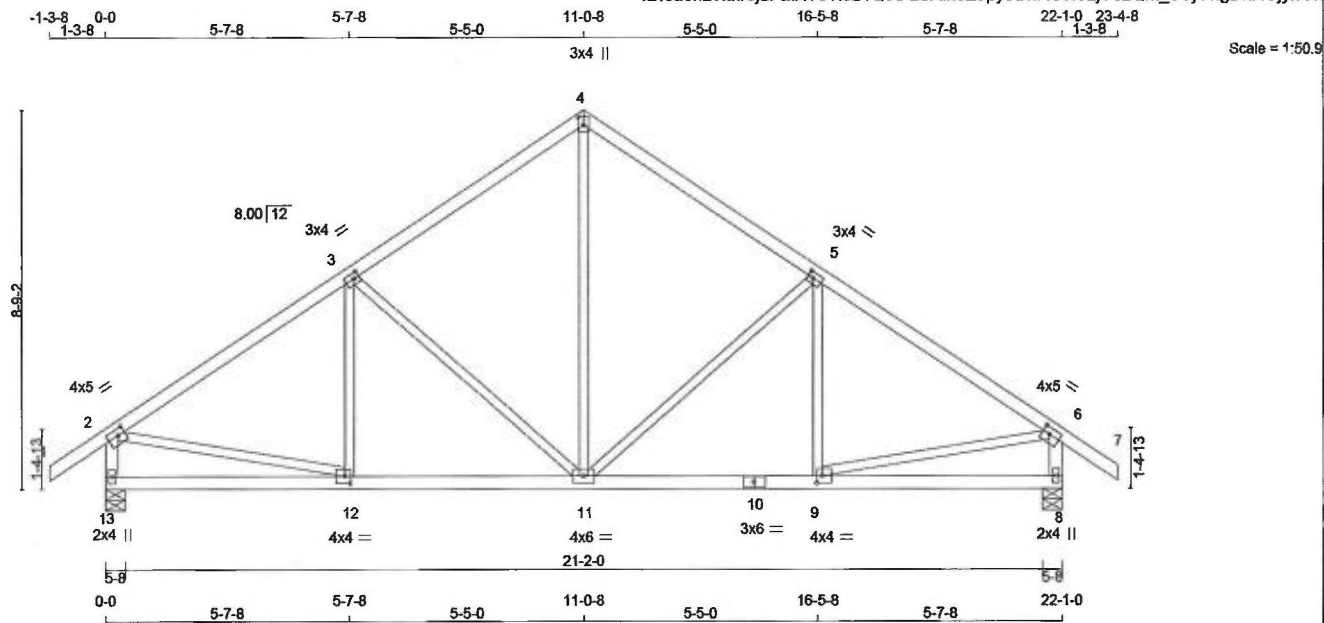
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (5) (INPUT = 0.90)
JSI METAL= 0.39 (2) (INPUT = 1.00)



READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.





TOTAL WEIGHT = 5 X 96 = 478 lb

LUMBER					
N. L. G. A. RULES					
CHORDS	SIZE		LUMBER	DESCR.	
1 - 4	2x4	DRY	No.2	SPF	
4 - 7	2x4	DRY	No.2	SPF	
13 - 2	2x4	DRY	No.2	SPF	
8 - 6	2x4	DRY	No.2	SPF	
13 - 10	2x4	DRY	No.2	SPF	
10 - 8	2x4	DRY	No.2	SPF	

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
2	TMVW-I	MT20	4.0	5.0	1.75	2.00
3	TMVW-I	MT20	3.0	4.0	1.50	1.50
4	TTW+p	MT20	3.0	4.0	2.25	1.50
5	TMVW-I	MT20	3.0	4.0	1.50	1.50
6	TMVW-I	MT20	4.0	5.0	1.75	2.00
8	BMV1+p	MT20	2.0	4.0		
9	BMVW-I	MT20	4.0	4.0	2.00	1.50
10	BS-I	MT20	3.0	6.0		
11	BMVW-I	MT20	4.0	6.0		
12	BMVW-I	MT20	4.0	4.0	2.00	1.50
13	BMV1+p	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		REQRD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	IN-SX	IN-SX
13	1154	0	1154	0	0	5-8	5-8		
8	1154	0	1154	0	0	5-8	5-8		

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN	COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
13	807	578 / 0	0 / 0	0 / 0	0 / 0	0 / 0	229 / 0	0 / 0	0 / 0
8	807	578 / 0	0 / 0	0 / 0	0 / 0	0 / 0	229 / 0	0 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 13, 8

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.55 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX (LC)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. (LC)
FR-TO		FROM TO			FR-TO		
1-2	0 / 29	-77.4	-77.4 0.10 (1)	10.00	11-4	0 / 605	0.14 (1)
2-3	-1147 / 0	-77.4	-77.4 0.33 (1)	5.55	11-5	-386 / 0	0.39 (1)
3-4	-858 / 0	-77.4	-77.4 0.31 (1)	6.20	9-5	-81 / 68	0.03 (1)
4-5	-858 / 0	-77.4	-77.4 0.31 (1)	6.20	3-11	-386 / 0	0.39 (1)
5-6	-1147 / 0	-77.4	-77.4 0.33 (1)	5.55	12-3	-81 / 68	0.03 (1)
6-7	0 / 29	-77.4	-77.4 0.10 (1)	7.51	2-12	0 / 995	0.22 (1)
13-2	-1113 / 0	0.0	0.0 0.11 (1)	7.51	9-6	0 / 995	0.22 (1)
8-6	-1113 / 0	0.0	0.0 0.11 (1)	7.51			
13-12	0 / 0	-17.5	-17.5 0.13 (4)	10.00			
12-11	0 / 977	-17.5	-17.5 0.22 (1)	10.00			
11-10	0 / 977	-17.5	-17.5 0.22 (1)	10.00			
10-9	0 / 977	-17.5	-17.5 0.22 (1)	10.00			
9-8	0 / 0	-17.5	-17.5 0.13 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	23.3 PSF
	DL =	3.0 PSF
BOT CH.	LL =	0.0 PSF
	DL =	7.0 PSF
TOTAL LOAD =		33.3 PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55% OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.74")
CALCULATED VERT. DEFL.(LL)= L/999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.74")
CALCULATED VERT. DEFL.(TL)= L/999 (0.07")

CSI: TC=0.33/1.00 (2-3:1), BC=0.22/1.00 (11-12:1), WB=0.39/1.00 (3-11:1), SSI=0.17/1.00 (2-3:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)	MAX MIN	MAX MIN	MAX MIN
MT20	618	354	1667	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

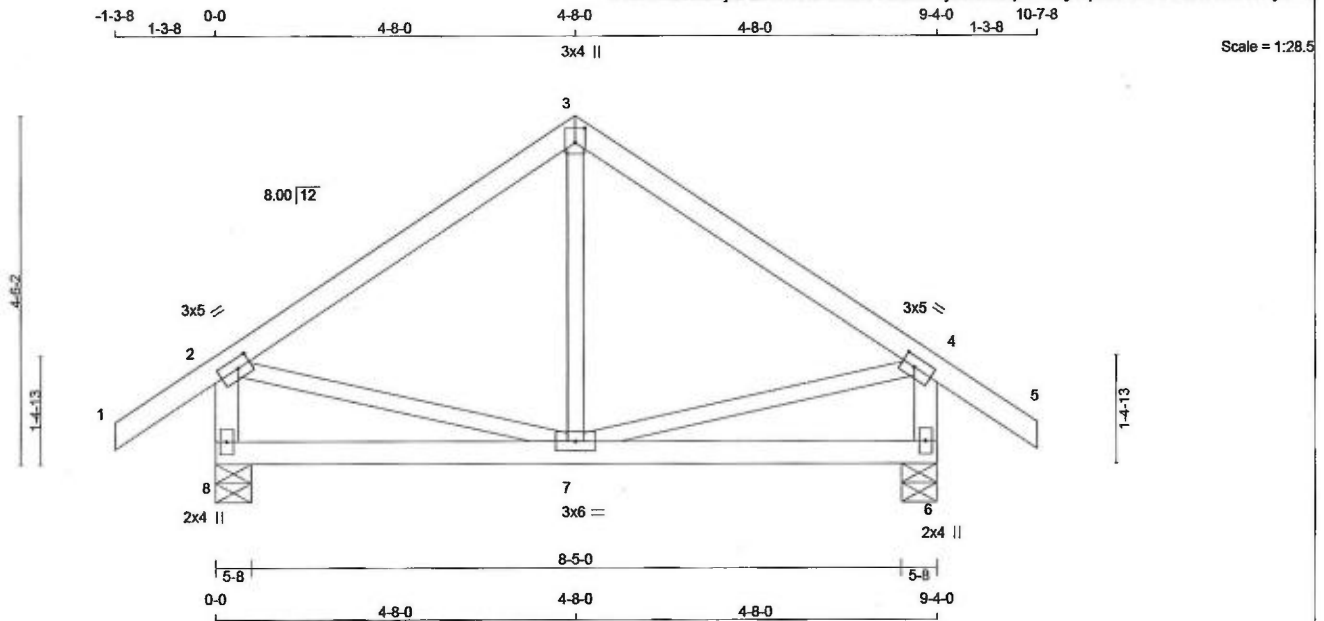
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.82 (9) (INPUT = 0.90)
JSI METAL= 0.40 (6) (INPUT = 1.00)



READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.





TOTAL WEIGHT = 4 X 40 = 159 lb
[M][F]

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
1 - 3	2x4	DRY	No.2	SPF
3 - 5	2x4	DRY	No.2	SPF
8 - 2	2x4	DRY	No.2	SPF
6 - 4	2x4	DRY	No.2	SPF
8 - 6	2x4	DRY	No.2	SPF

ALL WEBS 2x3 DRY No.2 SPF
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
2	TMVW-I	MT20	3.0	5.0	1.50	2.00
3	TTW+p	MT20	3.0	4.0	2.25	1.50
4	TMVW-I	MT20	3.0	5.0	1.50	2.00
6	BMV1+p	MT20	2.0	4.0		
7	BMWWW-I	MT20	3.0	6.0		
8	BMV1+p	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	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
8	549	0	549	0
6	549	0	549	0

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	MAX / MIN SNOW	MAX / MIN LIVE	MAX / MIN PERM. LIVE	WIND	DEAD	SOIL
8	383	281 / 0	0 / 0	0 / 0	0 / 0	102 / 0	0 / 0
6	383	281 / 0	0 / 0	0 / 0	0 / 0	102 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 8, 6

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX LC1 CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX UNBRACED LENGTH	MAX LC1 CSI (LC)
FR-TO		FROM TO		FR-TO			
1-2	0 / 29	-77.4	-77.4 0.10 (1)	10.00	7-3	-19 / 74	0.03 (4)
2-3	-309 / 0	-77.4	-77.4 0.22 (1)	6.25	2-7	0 / 263	0.06 (1)
3-4	-309 / 0	-77.4	-77.4 0.22 (1)	6.25	7-4	0 / 263	0.06 (1)
4-5	0 / 29	-77.4	-77.4 0.10 (1)	10.00			
8-2	-517 / 0	0.0	0.0 0.05 (1)	7.81			
6-4	-517 / 0	0.0	0.0 0.05 (1)	7.81			
8-7	0 / 0	-17.5	-17.5 0.11 (4)	10.00			
7-6	0 / 0	-17.5	-17.5 0.11 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 23.3 PSF
	DL = 3.0 PSF
BOT CH.	LL = 0.0 PSF
	DL = 7.0 PSF
TOTAL LOAD	= 33.3 PSF

SPACING = 24.0 IN. C/C

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

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

(55% OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.31")
CALCULATED VERT. DEFL.(LL) = L/999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.31")
CALCULATED VERT. DEFL.(TL) = L/999 (0.01")

CSI: TC=0.22/1.00 (2-3:1), BC=0.11/1.00 (7-8:4),
WB=0.06/1.00 (2-7:1), SSI=0.12/1.00 (2-3:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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
	822	2284	1656

PLATE PLACEMENT TOL. = 0.250 inches

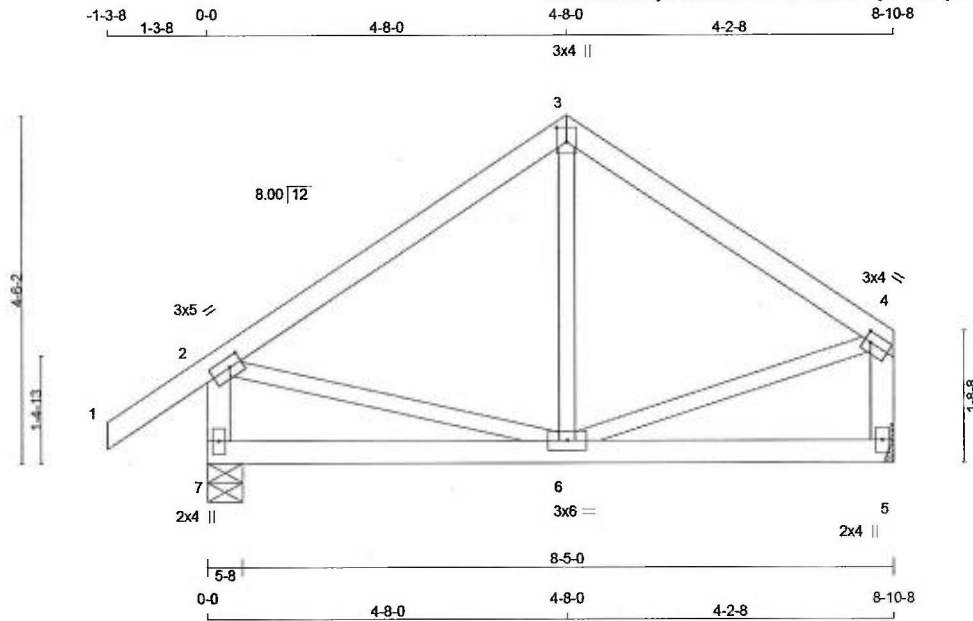
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.48 (7) (INPUT = 0.90)
JSI METAL= 0.14 (4) (INPUT = 1.00)



READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.





TOTAL WEIGHT = 2 X 37 = 74 lb
[M/J/F]

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	DRY	LUMBER	DESCR.
1 - 3	2x4	DRY	No.2	SPF	
3 - 4	2x4	DRY	No.2	SPF	
7 - 2	2x4	DRY	No.2	SPF	
5 - 4	2x4	DRY	No.2	SPF	
7 - 5	2x4	DRY	No.2	SPF	

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
2	TMVW-t	MT20	3.0	5.0	1.50	2.00
3	TTW+p	MT20	3.0	4.0	2.25	1.50
4	TMVW-t	MT20	3.0	4.0	1.50	1.00
5	BMV1+p	MT20	2.0	4.0		
6	BMVWW-t	MT20	3.0	6.0		
7	BMV1+p	MT20	2.0	4.0		

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

JT	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQD BRG
	VERT	HORZ	DOWN	HORZ		
7	527	0	527	0	5-8	5-8
5	421	0	421	0	MECHANICAL	

A SUITABLE MECHANICAL CONNECTION IS REQUIRED AT JOINT 5 TO RESIST THE MAX FACTORED REACTIONS.

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
7	368	271 / 0	0 / 0	0 / 0	0 / 0	97 / 0	0 / 0
5	295	207 / 0	0 / 0	0 / 0	0 / 0	89 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 7

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 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
1-2	0 / 29	-77.4 -77.4	0.10 (1)	10.00	6-3	-35 / 65	0.02 (4)
2-3	-278 / 0	-77.4 -77.4	0.22 (1)	6.25	2-6	0 / 238	0.05 (1)
3-4	-278 / 0	-77.4 -77.4	0.18 (1)	6.25	6-4	0 / 244	0.05 (1)
7-2	-495 / 0	0.0 0.0	0.05 (1)	7.81			
5-4	-393 / 0	0.0 0.0	0.04 (1)	7.81			
7-6	0 / 0	-17.5 -17.5	0.10 (4)	10.00			
6-5	0 / 0	-17.5 -17.5	0.10 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	23.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	33.3	PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55% OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.30")
CALCULATED VERT. DEFL.(LL)= L/999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.30")
CALCULATED VERT. DEFL.(TL)= L/999 (0.01")

CSI: TC=0.22/1.00 (2-3:1), BC=0.10/1.00 (5-6:4), WB=0.05/1.00 (4-6:1), SSI=0.12/1.00 (2-3:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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
	822	2284	1658

PLATE PLACEMENT TOL. = 0.250 inches

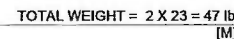
PLATE ROTATION TOL. = 5.0 Deg.

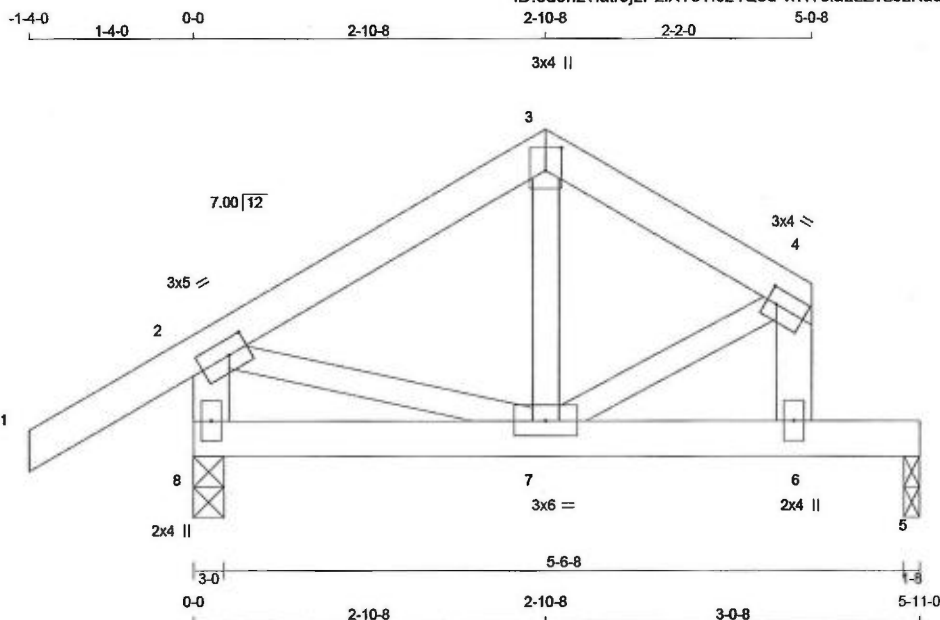
JSI GRIP= 0.79 (4) (INPUT = 0.90)
JSI METAL= 0.14 (4) (INPUT = 1.00)



READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.







Scale = 1:18.0

TOTAL WEIGHT = 3 X 23 = 68 lb

LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER			
N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT REQD
1 - 3	2x4	DRY	No.2	SPF	VERT	DOWN	BRG
3 - 4	2x4	DRY	No.2	SPF	HORZ	HORZ	IN-SX
8 - 2	2x4	DRY	No.2	SPF	UP	UP	IN-SX
6 - 4	2x4	DRY	No.2	SPF	DOWN	DOWN	IN-SX
8 - 5	2x4	DRY	No.2	SPF	UP	UP	IN-SX

ALL WEBS EXCEPT				UNFACTORED REACTIONS			
2x3	DRY	No.2	SPF	1ST LCASE	MAX/MIN	COMPONENT REACTIONS	
				JT	COMBINED	SNOW	LIVE
				8	271	203 / 0	0 / 0
				5	197	138 / 0	0 / 0

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
2	TMVW-I	MT20	3.0	5.0	1.50	2.00
3	TTW+p	MT20	3.0	4.0	2.25	1.50
4	TMVW-I	MT20	3.0	4.0	1.50	1.00
6	BMV+p	MT20	2.0	4.0		
7	BMVWW-I	MT20	3.0	6.0		
8	BMV1+p	MT20	2.0	4.0		

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.	FORCE	FACTORED	MAX	MEMB.	FORCE	MAX	
FR-TO	(LBS)	VERT. LOAD	CSI (LC)	FR-TO	(LBS)	CSI (LC)	
1-2	0 / 27	-77.4	-77.4 0.11 (1)	7-3	0 / 53	0.02 (4)	
2-3	-230 / 0	-77.4	-77.4 0.11 (1)	2-7	0 / 204	0.05 (1)	
3-4	-230 / 0	-77.4	-77.4 0.06 (1)	7-4	0 / 222	0.05 (1)	
8-2	-383 / 0	0.0	0.0 0.04 (1)				
6-4	-300 / 0	0.0	0.0 0.03 (1)				
8-7	0 / 0	-17.5	-17.5 0.07 (1)	10.00			
7-6	0 / 0	-17.5	-17.5 0.28 (1)	10.00			
6-5	0 / 0	-94.9	-94.9 0.28 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	23.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD	=	33.3	PSF	

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55% OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL)= L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/999 (0.04")

CSI: TC=0.11/1.00 (2-3:1), BC=0.28/1.00 (6-7:1), WB=0.05/1.00 (4-7:1), SSI=0.22/1.00 (5-6:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

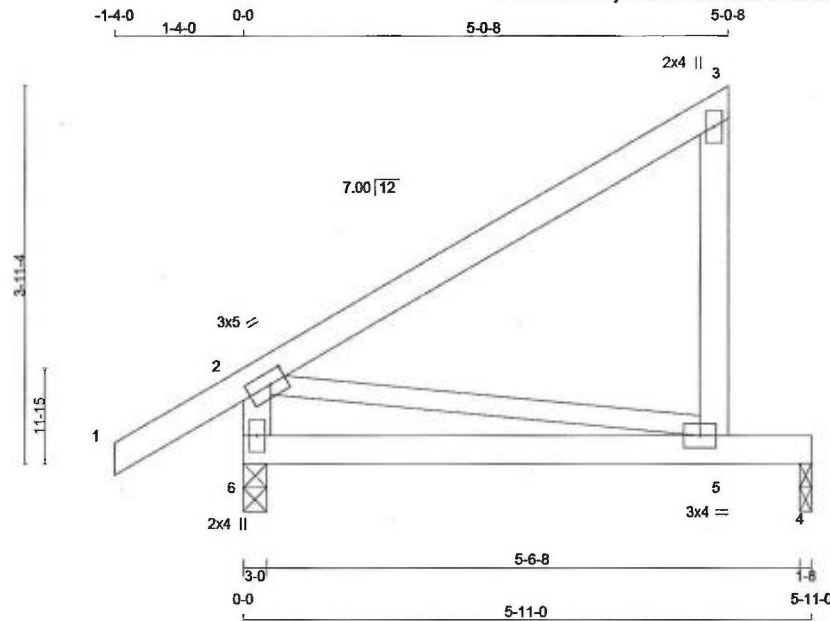
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.76 (4) (INPUT = 0.90)
JSI METAL= 0.10 (2) (INPUT = 1.00)



READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.





TOTAL WEIGHT = 2 X 23 = 47 lb
[M]

LUMBER					DESCR.
N. L. G. A. RULES	CHORDS	SIZE	LUMBER		
1 - 3	2x4	DRY	No.2		SPF
5 - 3	2x4	DRY	No.2		SPF
6 - 2	2x4	DRY	No.2		SPF
6 - 4	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
2	TMVW-t	MT20	3.0	5.0	1.50	2.00
3	TMV+p	MT20	2.0	4.0		
5	BMVW-t	MT20	3.0	4.0		
6	BMV1+p	MT20	2.0	4.0		

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

		FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQRD BRG	
JT		VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	
6		384	0	384	0	0	3-0	3-0	
4		218	0	218	0	0	1-8	1-8	

UNFACTORED REACTIONS

		1ST LCASE		MAX/MIN. COMPONENT REACTIONS					
JT		COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	
6		268	200 / 0	0 / 0	0 / 0	0 / 0	67 / 0	0 / 0	
4		154	100 / 0	0 / 0	0 / 0	0 / 0	54 / 0	0 / 0	

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 6, 4

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

		CHORDS		WEBS			
MEMB.		MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)
FR-TO			FROM TO		FR-TO		
1-2		0 / 27	-77.4 -77.4	0.11 (1)	10.00	2-5	0 / 0
2-3		0 / 0	-77.4 -77.4	0.33 (1)	10.00		
5-3		-195 / 0	0.0 0.0	0.05 (1)	7.81		
6-2		-304 / 0	0.0 0.0	0.03 (1)	7.81		
6-5		0 / 0	-17.5 -17.5	0.25 (1)	10.00		
5-4		0 / 0	-17.5 -17.5	0.25 (1)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	23.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	33.3	PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55% OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 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/ 555 (0.13")

CSI: TC=0.33/1.00 (2-3:1), BC=0.25/1.00 (5-6:1), WB=0.00/1.00 (2-5:1), SSI=0.17/1.00 (4-5:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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
		822	2284
			1656

PLATE PLACEMENT TOL. = 0.250 inches

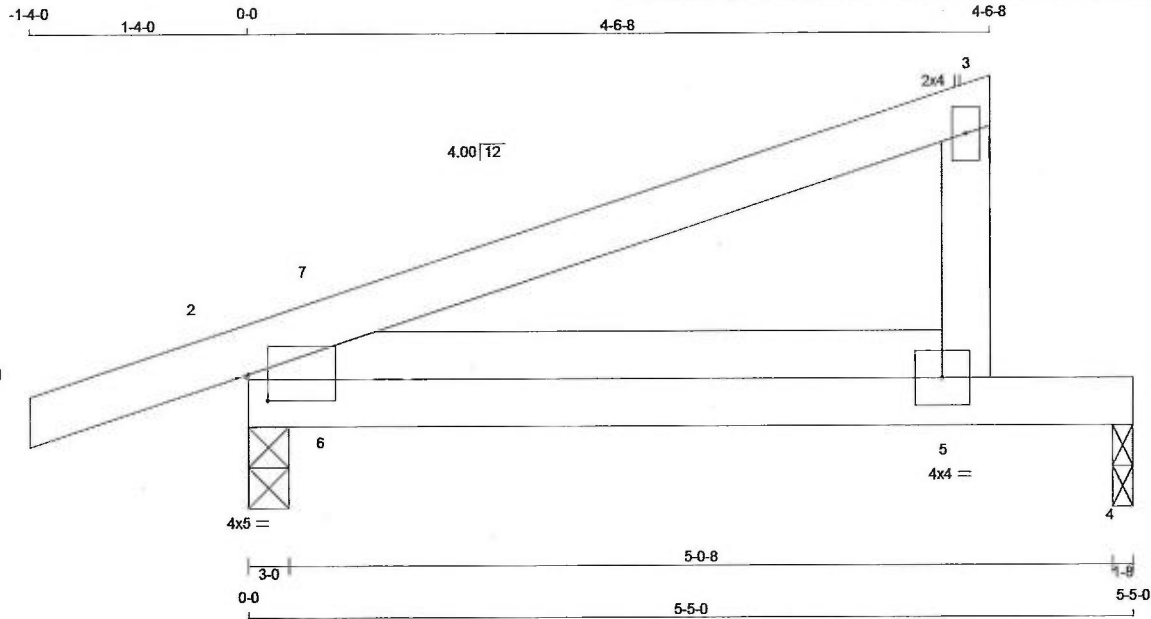
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.26 (2) (INPUT = 0.90)
JSI METAL= 0.06 (6) (INPUT = 1.00)



READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.





TOTAL WEIGHT = 5 X 20 = 100 lb [M]

LUMBER				DESCR.	
N. L. G. A. RULES	CHORDS	SIZE	LUMBER	SPF	
1 - 3	2x4	DRY	No.2	SPF	
5 - 3	2x4	DRY	No.2	SPF	
2 - 4	2x4	DRY	No.2	SPF	
REINFORCING MEMBERS				SPF	
HW1	2x4	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
2	TMBMW1-I	MT20	4.0	5.0	2.00	1.50
3	TMV+p	MT20	2.0	4.0		
5	BMVW-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	UPLIFT	IN-SX	IN-SX	
2		358	0	358	0	0	3-0	3-0	
4		195	0	195	0	0	1-8	1-8	

UNFACTORED REACTIONS

JT	1ST LCASE	MAX/MIN. COMPONENT REACTIONS							
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL		
2	249	187 / 0	0 / 0	0 / 0	0 / 0	62 / 0	0 / 0		
4	138	89 / 0	0 / 0	0 / 0	0 / 0	49 / 0	0 / 0		

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 2, 4

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 (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)	LC1 MAX (LC)
FR-TO		FROM TO		FR-TO			
1-2	0 / 5	-77.4	-77.4 0.10 (1)	10.00	5-7	-550 / 0	0.11 (1)
2-7	-617 / 0	-77.4	-77.4 0.12 (1)	6.25	6-7	0 / 209	0.00 (1)
7-3	0 / 4	-77.4	-77.4 0.15 (1)	10.00			
5-3	-135 / 0	0.0	0.0 0.02 (1)	7.81			
2-6	0 / 535	-17.5	-17.5 0.17 (1)	10.00			
6-5	0 / 535	-17.5	-17.5 0.34 (1)	10.00			
5-4	0 / 0	-17.5	-17.5 0.26 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL = 23.3	PSF
	DL = 3.0	PSF
BOT CH.	LL = 0.0	PSF
	DL = 7.0	PSF
TOTAL LOAD	= 33.3	PSF

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

(55% OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL)= L/999 (0.04")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL)= L/882 (0.07")

CSI: TC=0.15/1.00 (3-7:1), BC=0.34/1.00 (5-6:1), WB=0.11/1.00 (5-7:1), SSI=0.15/1.00 (4-5:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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 822	2284 1656

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

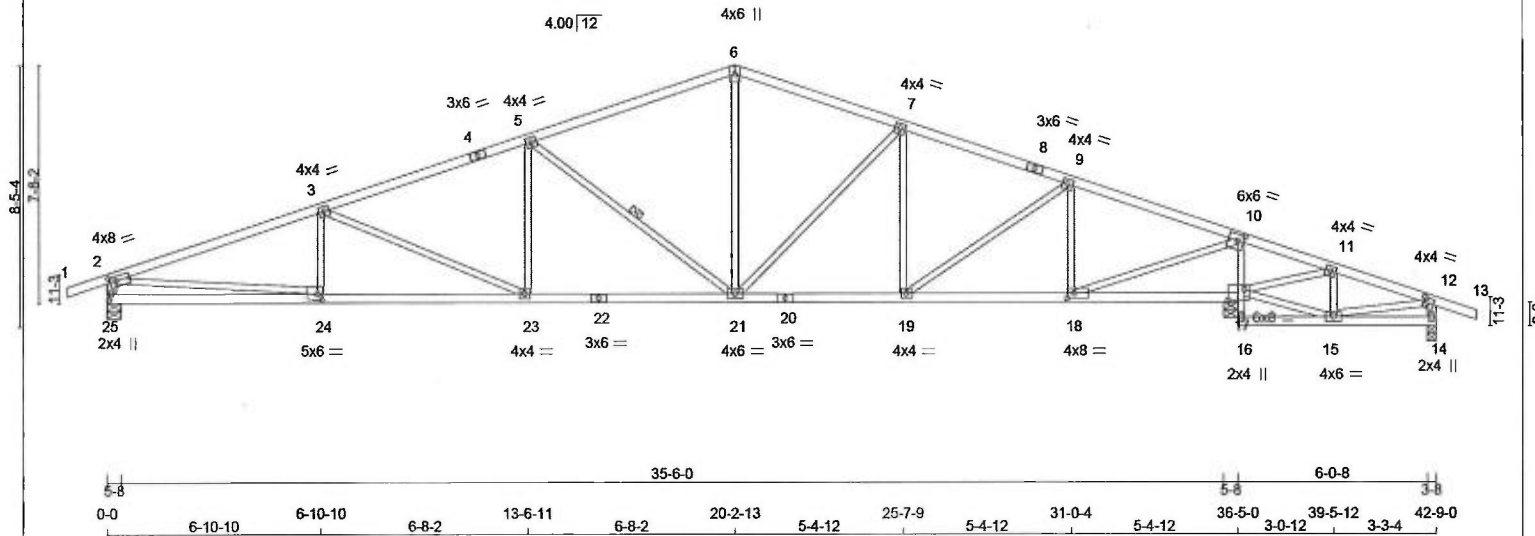
JSI GRIP= 0.53 (5) (INPUT = 0.90)
JSI METAL= 0.20 (5) (INPUT = 1.00)



READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.



-1-3-8 0-0 6-10-10 6-10-10 6-8-2 13-6-11 6-8-2 20-2-13 5-4-12 25-7-9 5-4-12 31-0-4 5-4-12 36-5-0 3-0-12 39-5-12 3-3-4 42-9-0 44-0-8 1-3-8
Scale = 1:71.0



TOTAL WEIGHT = 2 X 167 = 334 lb [M/JF]

LUMBER				N. L. G. A. RULES			
CHORDS	SIZE	LUMBER	DESCR.	CHORDS	SIZE	LUMBER	DESCR.
1 - 4	2x4	DRY	No.2	SPF			
4 - 6	2x4	DRY	No.2	SPF			
6 - 8	2x4	DRY	No.2	SPF			
8 - 13	2x4	DRY	No.2	SPF			
25 - 2	2x4	DRY	No.2	SPF			
14 - 12	2x4	DRY	No.2	SPF			
25 - 22	2x4	DRY	No.2	SPF			
22 - 20	2x4	DRY	No.2	SPF			
20 - 17	2x4	DRY	No.2	SPF			
16 - 10	2x3	DRY	No.2	SPF			
16 - 14	2x4	DRY	No.2	SPF			
ALL WEBS	2x3	DRY	No.2	SPF			
EXCEPT							

DRY: SEASONED LUMBER.

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
2	TMVW-t	MT20	4.0	8.0	1.75 2.50
3, 5, 7, 9, 11					
3	TMWW-t	MT20	4.0	4.0	
4	TS-t	MT20	3.0	6.0	
6	TTW+p	MT20	4.0	6.0	
8	TS-t	MT20	3.0	6.0	
10	TMVW-t	MT20	6.0	6.0	2.50 2.25
12	TMVW-t	MT20	4.0	4.0	2.00 1.50
14	BMV1+p	MT20	2.0	4.0	
15	BMVWW-t	MT20	4.0	6.0	
16	BMV+p	MT20	2.0	4.0	
17	BMVWW1-t	MT20	6.0	8.0	4.25 6.25
18	BMVWW-t	MT20	4.0	8.0	2.00 2.75
19	BMVWW-t	MT20	4.0	4.0	
20	BS-t	MT20	3.0	6.0	
21	BMVWW-t	MT20	4.0	6.0	
22	BS-t	MT20	3.0	6.0	
23	BMVWW-t	MT20	4.0	4.0	
24	BMVWW-t	MT20	5.0	6.0	2.25 1.75
25	BMV1+p	MT20	2.0	4.0	2.25 1.00

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

FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG		REQRD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
25	1780	0	1780	0	0	5-8	5-8
14	70	0	70	0	0	3-8	3-8
17	2413	0	2413	0	0	5-8	5-8

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
25	1247	885 / 0	0 / 0	0 / 0	0 / 0	361 / 0	0 / 0
14	47	46 / 0	0 / 0	0 / 0	0 / 0	1 / 0	0 / 0
17	1693	1185 / 0	0 / 0	0 / 0	0 / 0	508 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 25, 14, 17

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.19 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 4.78 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 - 1x4 LATERAL BRACE(S) AT 1/2 LENGTH OF 5-21. DBS = 20-0-0. CBF = 130 LBS.

DBS = DIAGONAL BRACE SPACING (MAX). CBF = CUMULATIVE BRACING FORCE (PER BRACE). FASTEN LATERAL BRACE(S) USING (0.122"x3") SPIRAL NAILS: 1 NAIL FOR 2x3 BRACE(S), 2 FOR 1x4, 2x4, 2x5, 3 FOR 2x6, 4 FOR 2x8, 5 FOR 2x10, AND 6 FOR 2x12.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX LC1 MAX CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX UNBRAC LENGTH	MAX FACTORED FORCE (LBS)
FR-TO		FROM TO		FR-TO			
1-2	0 / 16	-77.4 -77.4	0.10 (1)	10.00	24-3	-181 / 57	0.03 (1)
2-3	-3460 / 0	-77.4 -77.4	0.75 (1)	3.19	3-23	-548 / 0	0.57 (1)
3-4	-2945 / 0	-77.4 -77.4	0.57 (1)	3.62	23-5	0 / 339	0.08 (1)
4-5	-2945 / 0	-77.4 -77.4	0.57 (1)	3.62	5-21	-1038 / 0	0.50 (1)
5-6	-2095 / 0	-77.4 -77.4	0.50 (1)	4.20	21-6	0 / 940	0.21 (1)
6-7	-2093 / 0	-77.4 -77.4	0.33 (1)	4.41	21-7	-271 / 0	0.33 (1)
7-8	-2273 / 0	-77.4 -77.4	0.33 (1)	4.26	19-7	-215 / 12	0.12 (1)
8-9	-2273 / 0	-77.4 -77.4	0.33 (1)	4.26	19-9	0 / 525	0.12 (1)
9-10	-1827 / 0	-77.4 -77.4	0.28 (1)	4.71	18-9	-844 / 0	0.22 (1)
10-11	0 / 1099	-77.4 -77.4	0.46 (1)	10.00	18-10	0 / 2938	0.66 (1)
11-12	0 / 347	-77.4 -77.4	0.16 (1)	10.00	17-15	-294 / 0	0.06 (1)
12-13	0 / 16	-77.4 -77.4	0.10 (1)	10.00	17-11	-754 / 0	0.15 (1)
25-2	-1725 / 0	0.0 0.0	0.17 (1)	6.34	15-11	0 / 224	0.05 (1)
14-12	-46 / 25	0.0 0.0	0.01 (4)	7.81	2-24	0 / 3310	0.74 (1)
				15-12	-329 / 0		0.07 (1)
25-24	0 / 0	-17.5 -17.5	0.17 (4)	10.00			
24-23	0 / 3296	-17.5 -17.5	0.61 (1)	10.00			
23-22	0 / 2794	-17.5 -17.5	0.53 (1)	10.00			
22-21	0 / 2794	-17.5 -17.5	0.53 (1)	10.00			
21-20	0 / 2161	-17.5 -17.5	0.43 (1)	10.00			
20-19	0 / 2161	-17.5 -17.5	0.43 (1)	10.00			
19-18	0 / 1731	-17.5 -17.5	0.33 (1)	10.00			
18-17	-1039 / 0	-17.5 -17.5	0.10 (4)	6.09			
16-17	0 / 18	0.0 0.0	0.05 (1)	10.00			
17-10	-2289 / 0	0.0 0.0	0.19 (1)	4.78			
16-15	-20 / 0	-17.5 -17.5	0.04 (4)	6.25			
15-14	0 / 0	-17.5 -17.5	0.05 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	23.3	PSF
	DL	=	3.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD	=	33.3	PSF	

SPACING = 24.0 IN. C/C

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

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

(55% OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.22")
CALCULATED VERT. DEFL.(LL) = L/999 (0.23")
ALLOWABLE DEFL.(TL) = L/360 (1.22")
CALCULATED VERT. DEFL.(TL) = L/999 (0.41")

CSI: TC=0.75/1.00 (2-3:1), BC=0.61/1.00 (23-24:1), WB=0.74/1.00 (2-24:1), SSI=0.23/1.00 (2-3:1)

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

COMPANION LIVE LOAD FACTOR = 0.50

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
	822	2284	1658

PLATE PLACEMENT TOL. = 0.250 inches

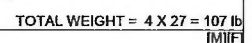
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (18) (INPUT = 0.90)
JSI METAL= 0.82 (24) (INPUT = 1.00)

CONTINUED ON PAGE 2



READ ALL NOTES ON THIS PAGE AND ON ENGINEERING NOTE PAGE ENP-1. THIS NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.

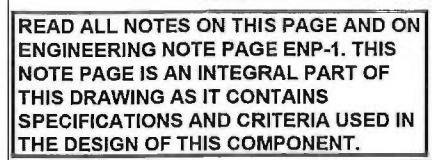


PLATES (table is in inches)						
JT	TYPE	PLATES	W	LEN	Y	X
2	TMVW-t	MT20	3.0	4.0	1.50	1.50
3	TMWW-t	MT20	3.0	4.0		
4	TMV+p	MT20	2.0	4.0		
6	BMVW-t	MT20	3.0	4.0		
7	BMWW-t	MT20	3.0	4.0		
8	BMV1+p	MT20	2.0	4.0		

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

CHORDS				WEBS			
MAX. FACTORED		FACTORED		MAX. FACTORED			
MEMB.	FORCE	VERT. LOAD	LC1 MAX	MAX.	MEMB.	FORCE	MAX
	(LBS)	(PLF)	CSI (LC)	UNBRAC		(LBS)	CSI (LC)
FR-TO		FROM TO		LENGTH	FR-TO		
1-2	0 / 16	-77.4	-77.4 0.10 (1)	10.00	7-3	0 / 83	0.03 (4)
2-3	-455 / 0	-77.4	-77.4 0.09 (1)	6.25	3-6	-498 / 0	0.11 (1)
3-4	-8 / 0	-77.4	-77.4 0.09 (1)	10.00	2-7	0 / 448	0.10 (1)
6-4	-96 / 0	0.0	0.0 0.01 (1)	7.81			
8-2	-434 / 0	0.0	0.0 0.04 (1)	7.81			
8-7	0 / 0	-17.5	-17.5 0.09 (1)	10.00			
7-6	0 / 439	-17.5	-17.5 0.39 (1)	10.00			
6-5	0 / 0	-17.5	-17.5 0.32 (1)	10.00			

JSI GRIP= 0.88 (2) (INPUT = 0.90)
JSI METAL= 0.20 (2) (INPUT = 1.00)



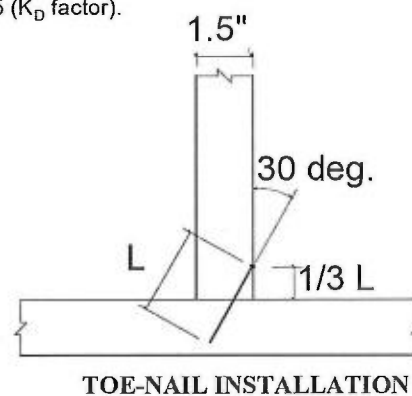
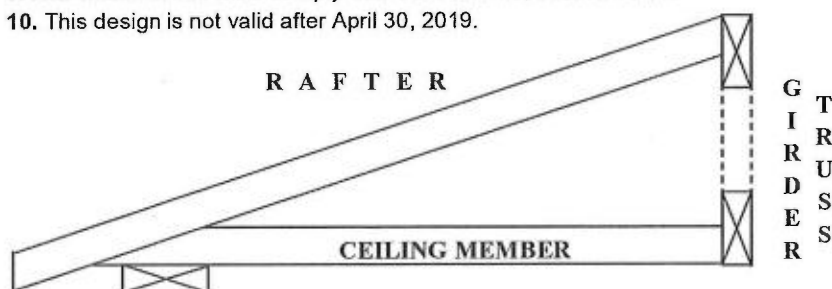
BEARING ANCHORAGE BY TOE-NAILS FOR LATERAL CAPACITY

B37579H1

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

NOTES:

1. Rafter and ceiling members may be anchored to top and bottom chords of girder truss by toe-nailing rafter and ceiling members to girder chords provided the reaction does not exceed the lateral capacities in the table. Hangers (specified by others) are required for reactions higher than the maximum toe-nail capacity. Reactions are based on factored loads.
2. Toe nail capacities shown in the table are for **one** toe-nail. For additional toe-nails multiply values in table by the number of toe-nails used. Toe-nail capacities take into account toe-nailing factor J_A in CSA O86-09, section 10.9.4.1.
3. For 9- 3/4 gauge 3.25" common wire gun nails (diameter = 0.120") use 3" common spiral nail values.
4. Maximum number of toe-nails allowed depends on the lumber size & species to be toe-nailed to supporting member and nail diameter, as shown in tables below.
5. Nail values in table are based on the following relative lumber densities: $G = 0.42$ (SPF), $G = 0.49$ (D. Fir).
6. Toe-nails shall be driven at approximately 1/3 the nail length from the edge of the joist/truss chord and driven at an angle of 30° to the grain of the member (See next page for nailing on bearing plate).
7. For loads due to wind the nail lateral capacity in this table may be multiplied by 1.15 (K_D factor).
8. Lumber must be dry ($< 19\%$ moisture content) at the time of nail installation.
9. Nail values in this table comply with CSA O86-09, section 10.9.4
10. This design is not valid after April 30, 2019.



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



MiTek Canada Inc
100 Industrial Rd.
Bradford, Ontario L3Z 3G7

PEO
Certificate No. 10889485



April 26, 2017

BEARING ANCHORAGE BY TOE-NAILS FOR WIND LOADING

B37579H2

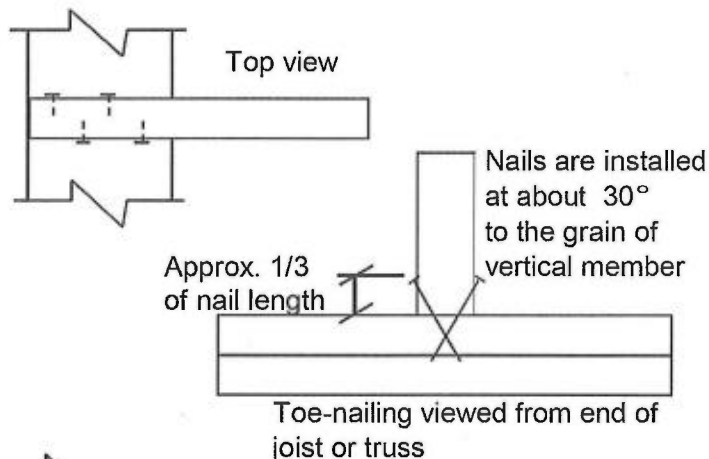
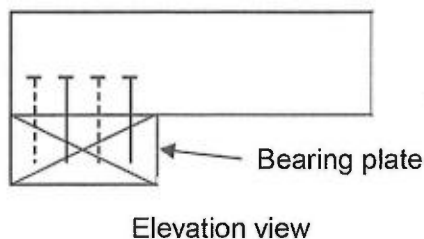
NAIL TYPE	LENGTH (IN)	DIAMETER (IN)	NAIL WITHDRAWAL CAPACITY (LB)	
			S-P-F	D. FIR
COMMON WIRE	3.00	0.144	30	42
	3.25	0.144	32	45
	3.50	0.160	38	52

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

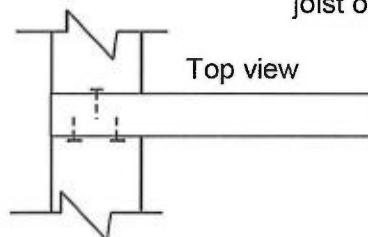
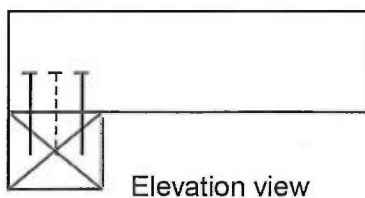
NOTES:

1. Truss chord, rafter, or ceiling members may be anchored to bearing plate by toe-nails, provided that the actual factored uplift force due to **wind or earthquake** load does not exceed the withdrawal capacities in the table. Hangers (specified by others) are required for uplift forces that are higher than the maximum toe-nail withdrawal capacity.
2. Toe nail capacities shown in the table are for **one** toe-nail. For additional toe-nails multiply values in table by the number of toe-nails used. Toe-nail capacities take into account toe-nailing factor J_A in CSA O86-09, section 10.9.5.2.
3. For 9- 3/4 gauge 3.25" common wire gun nails (diameter = 0.120") use 3" common spiral nail values.
4. Maximum number of toe-nails allowed depends on the lumber size & species to be toe-nailed to supporting member and nail diameter, as shown in table above.
5. Nail values in table are based on the following relative lumber densities: $G = 0.42$ (SPF), $G = 0.49$ (D. Fir).
6. Toe-nails shall be driven at approximately 1/3 the nail length from the edge of the joist/truss chord and driven at an angle of 30° to the grain of the member (See drawing on detail B37579H1).
7. Lumber must be dry (< 19% moisture content) at the time of nail installation.
8. Nail values in this table comply with CSA O86-09, section 10.9.5
9. This design is not valid after April 30, 2019

Toe-nailing on 2x6 Bearing Plate



Toe-nailing on 2x4 Bearing Plate



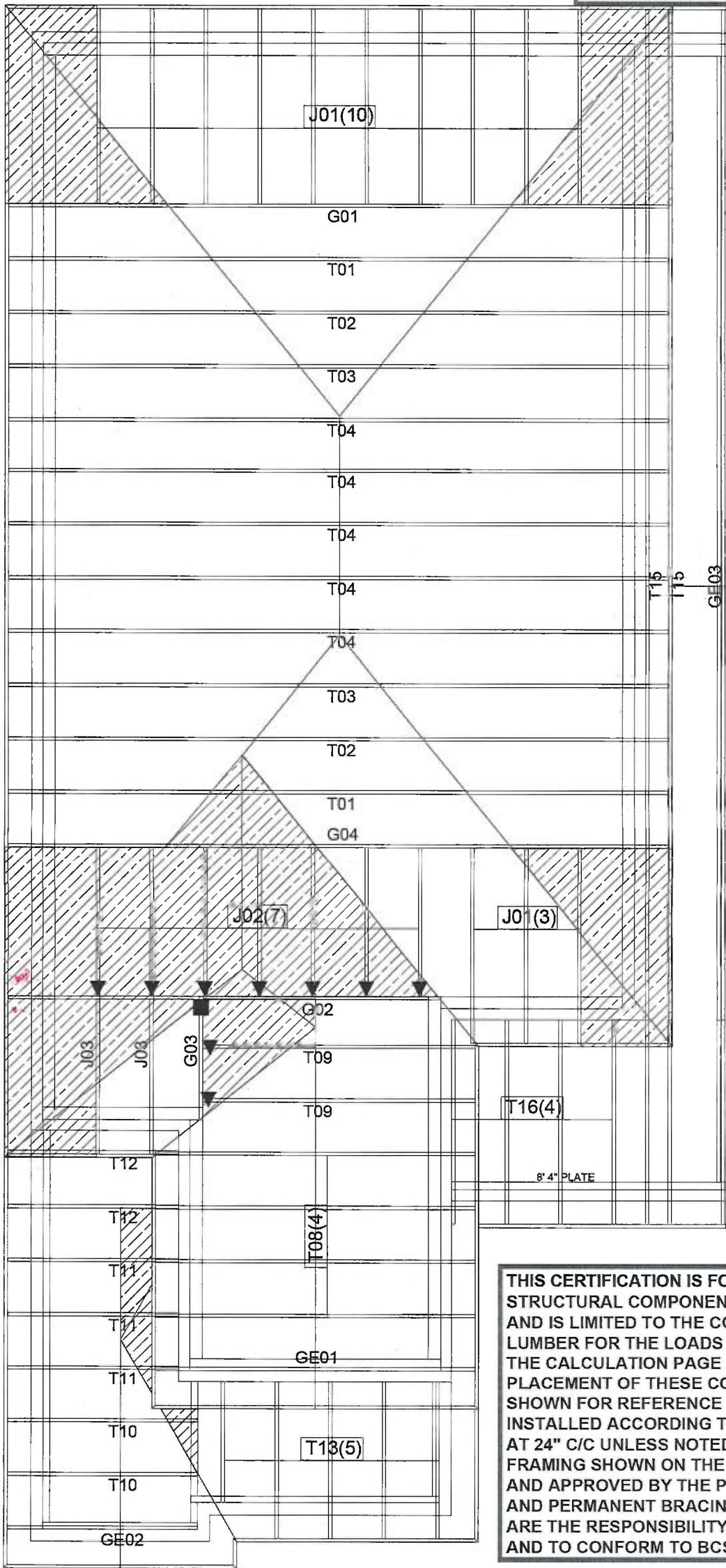
MiTek Canada Inc
100 Industrial Rd.
Bradford, Ontario L3Z 3G7

PEO
Certificate No. 10889485



April 26, 2017

READ ALL NOTES ON THIS PAGE AND ON
ENGINEERING NOTE PAGE ENP-1. THIS
NOTE PAGE IS AN INTEGRAL PART OF
THIS DRAWING AS IT CONTAINS
SPECIFICATIONS AND CRITERIA USED IN
THE DESIGN OF THIS COMPONENT.



THIS CERTIFICATION IS FOR THE ENGINEERING REVIEW OF
STRUCTURAL COMPONENTS SHOWN ON THIS DRAWING
AND IS LIMITED TO THE COMPONENTS SUPPLIED BY KOTT
LUMBER FOR THE LOADS AND CONDITIONS SHOWN ON
THE CALCULATION PAGE OF EACH COMPONENT. THE
PLACEMENT OF THESE COMPONENTS ON THIS LAYOUT IS
SHOWN FOR REFERENCE ONLY. ROOF TRUSSES MUST BE
INSTALLED ACCORDING TO MANUFACTURER'S GUIDELINES
AT 24" C/C UNLESS NOTED OTHERWISE. CONVENTIONAL
FRAMING SHOWN ON THE LAYOUT MUST BE DESIGNED
AND APPROVED BY THE PROJECT ENGINEER. TEMPORARY
AND PERMANENT BRACINGS OF THE ROOF AND BUILDING
ARE THE RESPONSIBILITY OF THE PROJECT ENGINEER
AND TO CONFORM TO BCSI GUIDELINES.

Architectural Drawing Info:
Date: JULY 23, 2018
Project number: 18012
Model: HEMLOCK 4

LOT 35R

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
JAN 03 2019
BY
MARY FRENETTE

All work shall conform to the Ontario
Building Code O. Reg. 332/12 as amended
For conventional framing roof / ceilings
framing shall conform to OBC.9.23

18-413521.000.000K-ROOF



CONVENTIONAL
FRAMING BY OTHERS
ALL CONVENTIONAL FRAMING TO CONFORM WITH
PART 9 OF THE O.B.C.
ROOF RAFTERS THAT CROSS MEET OVER TRUSSES
TO BE 2x4 S.P.F. @ 24" O/C WITH A 2x4 VERTICAL
POST TO THE TRUSS UNDERNEATH EACH CROSS
POINT. VERTICAL POST LONGER THAN 8' TO HAVE
LATERAL BRACING SO THAT THE DISTANCE BETWEEN
END POINT AND BETWEEN ROWS OF BRACING
DOES NOT EXCEED 8'.
SIZE AND LOCATION OF CONVENTIONAL FRAMING
IS APPROXIMATE. ALL AREAS MAY NOT BE SHOWN.
REFER TO ARCHITECTURAL PLANS FOR DETAILS.

HANGER LEGEND:
▼ LUS24
● LJS26DS
● HGUS26
X HGUS26-2

DESIGN CRITERIA
SPECIFIED LOADS:
TOP CH. LL = 23.3 PSF
DL = 3 PSF
BOT CH. LL = 0 PSF
DL = 7 PSF
TOTAL LOAD = 33.3 PSF
SPACING = 24" O/C.
THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR
SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010
THIS DESIGN COMPLIES WITH:
- PART 9 OF OBC 2012, BCBC 2012, ABC 2014
- CSA 086-09
- TPIC 2011

Model: HEMLOCK 4 EL 1
Customer: GREENPARK
Project: MINNISALE HOMES
Location: BRAMPTON
Date: 6/20/2018 Drawn by: BB