

Schedule 1: Designer Information

Use one form for each individual who reviews and takes responsibility for design activities with respect to the project.

A. Project Information				
Building number, street name			Unit no.	Lot/con.
Municipality	Postal code	Plan number/ other description		
B. Individual who reviews and takes responsibility for design activities				
Name		Firm		
Street address			Unit no.	Lot/con.
Municipality	Postal code	Province	E-mail	
Telephone number ()	Fax number ()		Cell number ()	
C. Design activities undertaken by individual identified in Section B. [Building Code Table 3.5.2.1. of Division C]				
☐ House ☐ Small Buildings ☐ Large Buildings ☐ Complex Buildings ☐ HVAC – House ☐ Building Services ☐ Detection, Lighting and Power ☐ Fire Protection ☐ Building Structural ☐ Plumbing – House ☐ Plumbing – All Buildings ☐ On-site Sewage Systems				
Description of designer's work				
D. Declaration of Designer				
I _____ declare that (choose one as appropriate): (print name) ☐ I review and take responsibility for the design work on behalf of a firm registered under subsection 3.2.4. of Division C, of the Building Code. I am qualified, and the firm is registered, in the appropriate classes/categories. Individual BCIN: _____ Firm BCIN: _____ ☐ I review and take responsibility for the design and am qualified in the appropriate category as an "other designer" under subsection 3.2.5. of Division C, of the Building Code. Individual BCIN: _____ Basis for exemption from registration: _____ ☐ The design work is exempt from the registration and qualification requirements of the Building Code. Basis for exemption from registration and qualification: _____ I certify that: - The information contained in this schedule is true to the best of my knowledge. - I have submitted this application with the knowledge and consent of the firm. _____ Date _____ Signature of Designer				

NOTE:

- For the purposes of this form, "individual" means the "person" referred to in Clause 3.2.4.7(1) d. of Division C, Article 3.2.5.1. of Division C, and all other persons who are exempt from qualification under Subsections 3.2.4. and 3.2.5. of Division C.
- Schedule 1 is not required to be completed by a holder of a license, temporary license, or a certificate of authorization, issued by the Ontario Association of Architects. Schedule 1 is also not required to be completed by a holder of a license to practise, a limited license to practise, or a certificate of authorization, issued by the Association of Professional Engineers of Ontario.



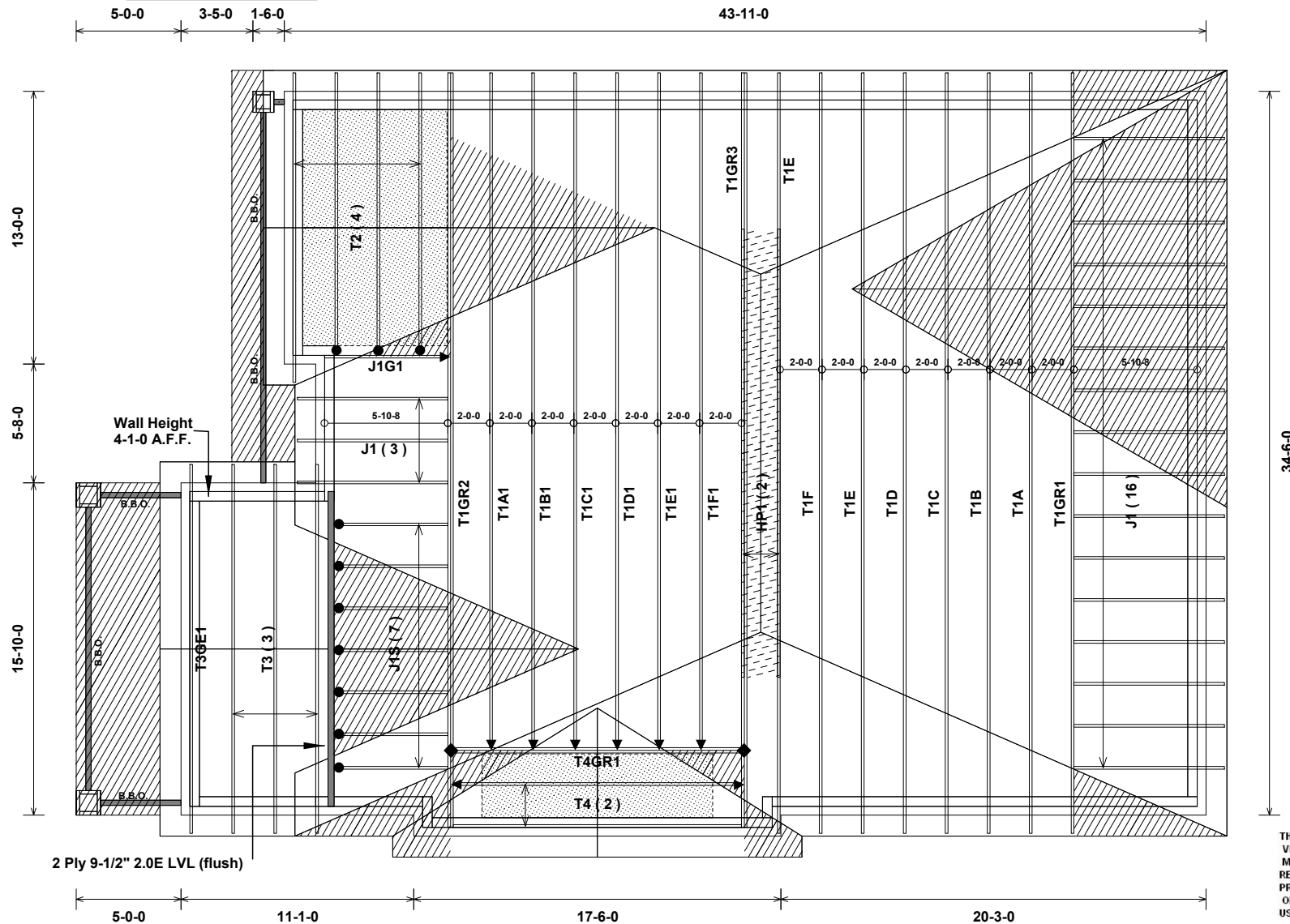
	Conventional Roof Framing By Builder Refer To O.B.C.
	Vaulted Ceiling Refer To Plans Or X-Section / Details
	Piggy Back Roof Trusses Purlins By Others
	Internal Load Bearing Wall Refer To Plans For Details

Truss Hardware	Quantities
● LUS 24	10
▼ LJS26DS	9
■ HGUS 26	0
◆ HHUS 26-2	2
○ HU 1.81 / 5	0
□ HGUS46	0

Conventional Framing Over Trusses To Be
2x4 #2 SPF Rafters At 24" O/C With
Vertical Supports At Each Truss Intersection.
Vertical Supports Longer Than 6'-0" Shall
Be Laterally Braced As Per The O.B.C.

All Beams By Builder (dropped) U.N.O.

41-5 Elev. B Cnr.
Gold Park Homes
Brampton, Ont.



THIS SEAL ONLY FOR THE
VERIFICATION OF STRUCTURAL
MEMBERS SHOWN ON THIS PLAN.
REFER TO FT2000 SHEET.
PROVIDE BEARING SIZE AS SHOWN
ON THE DESIGNS OR
USE ALTERNATE APPROVED DETAILS.

AIMENG CANADA INC.(BCIN 27425)

ALL TEMPORARY BRACINGS
DESIGNED BY THE GENERAL
CONTRACTOR AND PERMANENT
BRACINGS OF THE BUILDING
DESIGNED BY PROJECT ENGINEER.

DESIGN LOADS SPECIFIED
BY PROJECT ENGINEER

LUS – Double Shear Joist Hangers

SIMPSON
Strong-Tie

®

All LUS hangers have double shear nailing. This patented innovation distributes the load through two points on each joist nail for greater strength. It also allows the use of fewer nails, faster installation and the use of common nails for all connections.

MATERIAL: 18 gauge

FINISH: G90 galvanized

DESIGN:

- Factored resistances are in accordance with CSA O86-14
- Uplift resistances have been increased 15%. No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

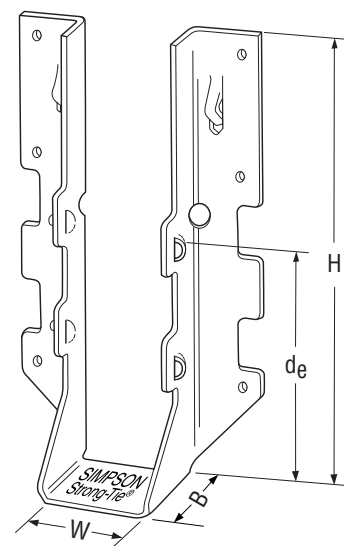
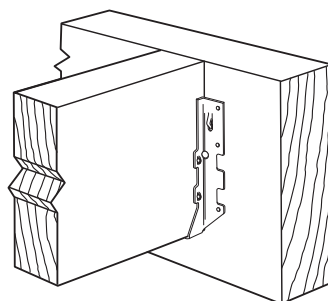
INSTALLATION:

- Use all specified fasteners
- Nails: 16d = 0.162" dia. x 3½" long common wire, 10d = 0.148" x 3" long common wire.
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

OPTIONS:

- These hangers cannot be modified.

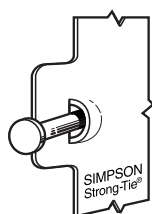
Typical LUS Installation



LUS28

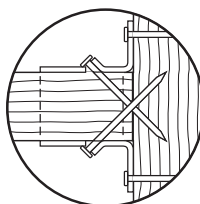
Model No.	Ga	Dimensions (in)				Fasteners		Factored Resistance (lbs)			
		W	H	B	d _e ¹	Face	Joist	D.Fir-L		S-P-F	
								Uplift (K _D =1.15)	Normal (K _D =1.00)	Uplift (K _D =1.15)	Normal (K _D =1.00)
LUS24	18	1⅞	3⅞	1¾	1⅞	4-10d	2-10d	710	1630	645	1155
LUS24-2	18	3⅞	3⅞	2	1⅞	4-16d	2-16d	835	2020	590	1435
LUS26	18	1⅞	4¾	1¾	3⅞	4-10d	4-10d	1420	2170	1290	1630
LUS26-2	18	3⅞	4¾	2	4	4-16d	4-16d	1720	2595	1545	1920
LUS26-3	18	4⅞	4¾	2	3¼	4-16d	4-16d	1720	2595	1545	2340
LUS28	18	1⅞	6⅞	1¾	3¾	6-10d	4-10d	1420	2520	1290	1790
LUS28-2	18	3⅞	7	2	4	6-16d	4-16d	1720	3325	1545	2575
LUS28-3	18	4⅞	6¼	2	3¼	6-16d	4-16d	1720	3325	1545	2375
LUS210	18	1⅞	7⅞	1¾	3⅞	8-10d	4-10d	1420	2785	1290	2210
LUS210-2	18	3⅞	9	2	6	8-16d	6-16d	2580	4500	2320	3195
LUS210-3	18	4⅞	8⅞	2	5¼	8-16d	6-16d	2580	3345	2320	2375

1. d_e is the distance from the seat of the hanger to the highest joist nail.



Dome Double Shear Nailing prevents tabs breaking off (available on some models).

U.S. Patent
5,603,580



Double Shear Nailing Top View.



LIMIT
STATES
DESIGN

This technical bulletin is effective until December 31, 2016, and reflects information available as of January 1, 2015. This information is updated periodically and should not be relied upon after December 31, 2016; contact Simpson Strong-Tie for current information and limited warranty or see www.strongtie.com.

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T-SPECLUS15 1/15 exp. 12/16

800-999-5099
www.strongtie.com

HUS/LJS – Double Shear Joist Hangers



All hangers have double shear nailing. This patented innovation distributes the load through two points on each joist nail for greater strength. It also allows the use of fewer nails, faster installation and the use of common nails for all connections. Do not bend or remove tabs.

MATERIAL: See table

FINISH: G90 galvanized

DESIGN:

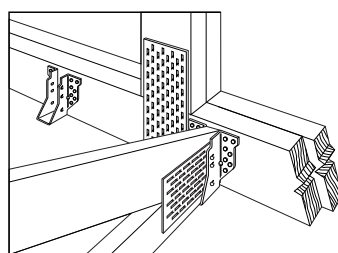
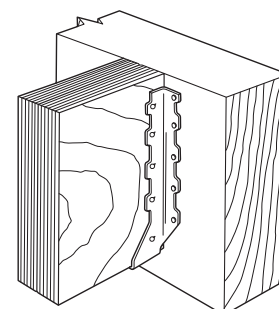
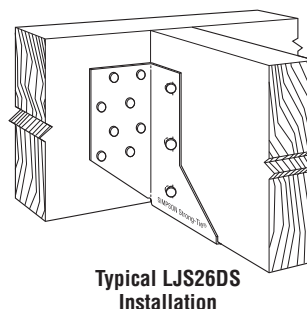
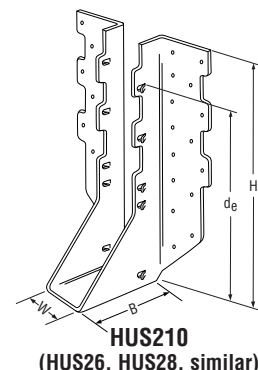
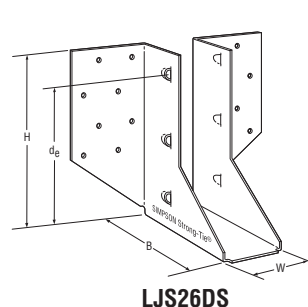
- Factored resistances are in accordance with CSA O86-14
- Uplift resistances have been increased 15%
No further increase is permitted
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

INSTALLATION:

- Use all specified fasteners
- Nails: 16d = 0.162" dia. x 3½" long common wire
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

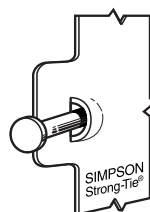
OPTIONS:

- See current catalogue for options

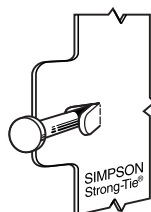


Model No.	Ga	Dimensions (in)			Fasteners			Factored Resistance (lbs)			
								D.Fir-L		S-P-F	
		W	H	B	d _g ¹	Face	Joist	Uplift (K _D =1.15)	Normal (K _D =1.00)	Uplift (K _D =1.15)	Normal (K _D =1.00)
LJS26DS	18	1⅞	5	3½	4⅞	16-16d	6-16d	2055	4265	1460	4115
HUS26	16	1⅞	5⅞	3	3⅞	14-16d	6-16d	2705	4940	2065	3875
HUS28	16	1⅞	7⅞	3	6⅞	22-16d	8-16d	3605	5365	2675	4345
HUS210	16	1⅞	9⅞	3	7⅞	30-16d	10-16d	4505	5795	4010	4740
HUS1.81/10	16	1⅞	9	3	8	30-16d	10-16d	4505	6450	4010	5200

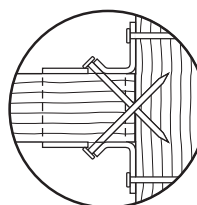
1. d_g is the distance from the seat of the hanger to the highest joist nail.



U.S. Patent 5,603,580



Double Shear Nailing Top View.



Double Shear Nailing Top View.



LIMIT STATES DESIGN

This technical bulletin is effective until December 31, 2016, and reflects information available as of January 1, 2015. This information is updated periodically and should not be relied upon after December 31, 2016; contact Simpson Strong-Tie for current information and limited warranty or see www.strongtie.com.

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800-999-5099
www.strongtie.com

HHUS – Double Shear Joist Hangers

All HHUS hangers have double shear nailing. This patented innovation distributes the load through two points on each joist nail for greater strength. It also allows the use of fewer nails, faster installation and the use of common nails for all connections. Do not bend or remove tabs.

MATERIAL: 14 gauge

FINISH: G90 galvanized

DESIGN:

- Factored resistances are in accordance with CSA O86-14
- Uplift resistances have been increased 15%. No further increase is permitted.
- Wood shear is not considered in the factored resistances given. The specifier must ensure that the joist and header capacities are capable of withstanding these loads.

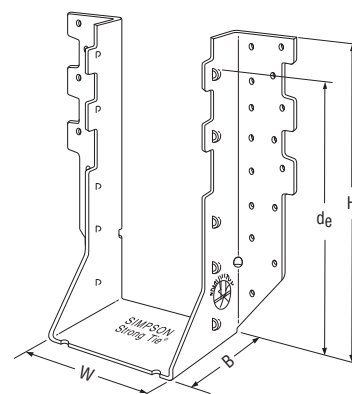
INSTALLATION:

- Use all specified fasteners
- Nails: 16d = 0.162" dia. x 3½" long common wire
- Double shear nails must be driven at an angle through the joist or truss into the header to achieve the table loads
- Not designed for welded or nailer applications

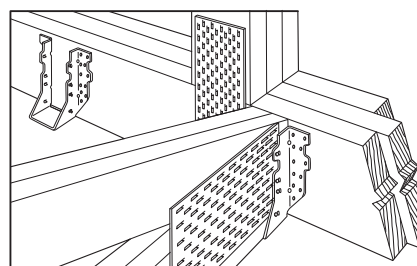
OPTIONS:

- See current catalogue for options

Typical HHUS Installation
(Truss Designer to provide
fastener quantity for connecting
multiple members together)

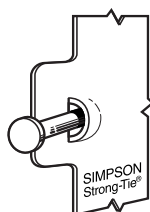


HHUS410



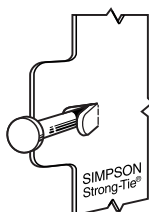
Model No.	Ga	Dimensions (in)				Fasteners		Factored Resistance (lbs)			
		W	H	B	d _e ¹	Face	Joist	D.Fir-L		S-P-F	
								Uplift (K _D =1.15)	Normal (K _D =1.00)	Uplift (K _D =1.15)	Normal (K _D =1.00)
HHUS26-2	14	3⅞	5⅜	3	3⅝	14-16d	6-16d	2850	7335	2065	5205
HHUS28-2	14	3⅞	7⅞	3	6⅝	22-16d	8-16d	3765	8940	2675	6345
HHUS210-2	14	3⅞	9⅜	3	8	30-16d	10-16d	4745	9660	4310	7000
HHUS210-3	14	4⅜	9	3	7⅝	30-16d	10-16d	4745	10545	4310	7485
HHUS210-4	14	6⅞	8⅞	3	7⅞	30-16d	10-16d	4745	10545	4310	7485
HHUS46	14	3⅞	5⅜	3	3⅝	14-16d	6-16d	2540	7335	2065	5205
HHUS48	14	3⅞	7⅞	3	6⅞	22-16d	8-16d	3765	8945	2675	6345
HHUS410	14	3⅞	9	3	8	30-16d	10-16d	4745	9855	4310	7000
HHUS5.50/10	14	5½	9	3	8	30-16d	10-16d	4745	10545	4310	7485
HHUS7.25/10	14	7¼	9	3⅞	7⅞	30-16d	10-16d	4745	10770	4310	7650

1. d_e is the distance from the seat of the hanger to the highest joist nail.

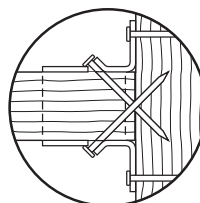


Dome Double
Shear Nailing
prevents tabs
breaking off
(available on
some models).

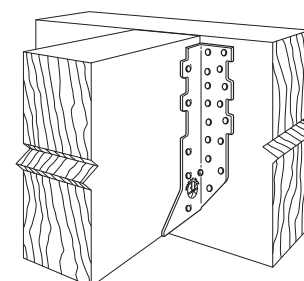
U.S. Patent
5,603,580



Double
Shear
Nailing
Side
View. Do
not bend
tab back.



Double
Shear
Nailing
Top View.



Typical HHUS
Installation



LIMIT
STATES
DESIGN

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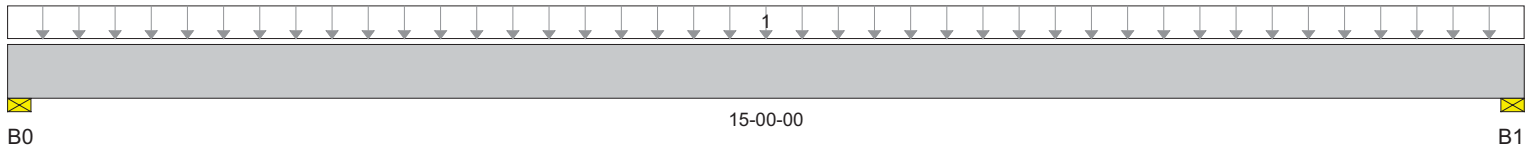
Dry | 1 span | No cantilevers | 0/12 slope (deg)

June 22, 2016 09:10:37

BC CALC® Design Report 

Build 4516
Job Name: Gold Park - Encore
Address: 41-5 Elev. B
City, Province, Postal Code: Brampton, Ont
Customer:
Code reports: CCMC 12472-R

File Name: BC CALC Project
Description: Designs\RB01
Specifier:
Designer:
Company:
Misc:



Total Horizontal Product Length = 15-00-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind
B0, 3-1/2"		372 / 0	699 / 0	
B1, 3-1/2"		372 / 0	699 / 0	

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Live	Dead	Snow	Wind	Trib.
1		Unf. Area (lb/ft^2)	L	00-00-00	15-00-00	1.00	0.65	1.00	1.15	04-00-00

Controls Summary

	Factored Demand	Factored Resistance	Demand / Resistance	Load Case	Location
Pos. Moment	5,335 ft-lbs	25,408 ft-lbs	21%	6	07-06-00
End Shear	1,295 lbs	11,571 lbs	11.2%	6	01-01-00
Total Load Defl.	L/650 (0.269")	0.485"	55.4%	9	07-06-00
Live Load Defl.	L/1,034 (0.169")	0.485"	34.8%	13	07-06-00
Max Defl.	0.269"	1"	26.9%	9	07-06-00
Span / Depth	18.4	n/a	n/a		00-00-00



Bearing Supports

				Demand/ Resistance Support	Demand/ Resistance Member	Material
Bearing Supports		Dim. (L x W)	Demand			
B0	Wall/Plate	3-1/2" x 3-1/2"	1,514 lbs	20.1%	10.1%	Spruce Pine Fir
B1	Wall/Plate	3-1/2" x 3-1/2"	1,514 lbs	20.1%	10.1%	Spruce Pine Fir

Cautions

For roof members with slope (1/4)/12 or less final design must ensure that ponding instability will not occur.
For roof members with slope (1/2)/12 or less final design must account for Rain-on-Snow surcharge load.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/360) Live load deflection criteria.
Design meets User specified (1") Maximum total load deflection criteria.
Calculations assume Member is Fully Braced.
Resistance Factor phi has been applied to all presented results per CSA 086.
BC CALC® analysis is based on Canadian Limit States Design, as per NBCC and CSA 086.
Design based on Dry Service Condition.
Importance Factor : Normal Part code : Part 4
Deflections less than 1/8" were ignored in the results.

BC CALC® Design Report



Dry | 1 span | No cantilevers | 0/12 slope (deg)

June 22, 2016 09:10:37

Build 4516

Job Name:

Gold Park - Encore

Address:

41-5 Elev. A

City, Province, Postal Code: Brampton, Ont

Customer:

Code reports:

CCMC 12472-R

File Name: BC CALC Project

Description: Designs\RB01

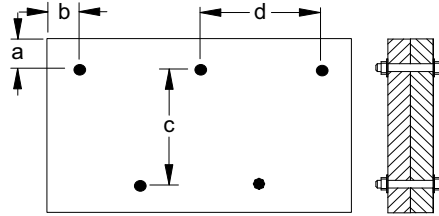
Specifier:

Designer:

Company:

Misc:

Connection Diagram



a minimum = 2" c = 5-1/2"

b minimum = 2-1/2" d = 24"

Calculated Side Load = 166.1 lb/ft

Bolts are assumed to be Grade A307 or Grade 2 or higher.

Connectors are: 1/2 in. Staggered Through Bolt

Disclosure

Completeness and accuracy of input must be verified by anyone who would rely on output as evidence of suitability for particular application. Output here based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call 1-800-964-6999 before installation.

BC CALC®, BC FRAMER®, AJS™, ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, SIMPLE FRAMING SYSTEM®, VERSA-LAM®, VERSA-RIM PLUS®, VERSA-RIM®, VERSA-STRAND®, VERSA-STUD® are trademarks of Boise Cascade Wood Products L.L.C.



MiTek Canada, Inc.

100 Industrial Road
Bradford, ON, Canada L3Z 3G7
Phone (905) 952-2900
Toll Free (800) 268-3434
Fax (905) 952-2901

November 30, 2016

Re: 41-5-B-Cnr

The truss drawing(s) referenced below have been prepared by or for MiTek Canada, Inc. under my direct supervision based on the parameters provided by Newco Prefab (Cdn).

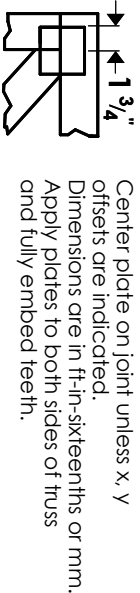
Pages or sheets covered by this seal: J1262739 thru J1262762



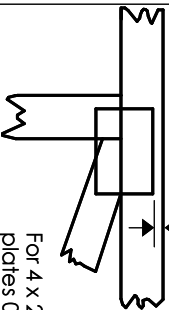
The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with TPIC. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek. Any project specific information included is for MiTek's customer's file reference purpose only, and was not taken into account in the preparation of these designs. MiTek has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design. Engineering Services provided by Aimeng Canada Inc

Symbols

PLATE LOCATION AND ORIENTATION



0-1/8"



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

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

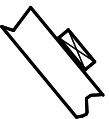
*Plate location details available in MiTek software or upon request.

PLATE SIZE

4 X 4

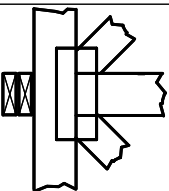
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min. size shown is for crushing only.

Industry Standards:

TPIC:

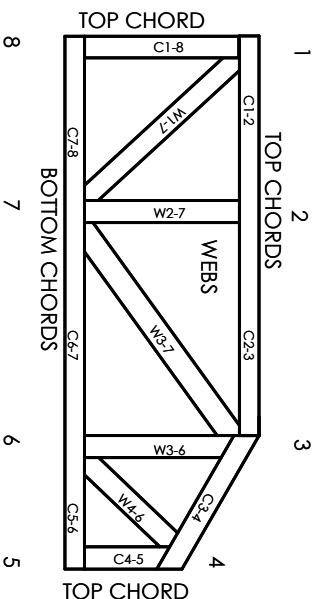
Truss Design Procedures and Specifications for Light Metal Plate Connected Wood Trusses

DSB-89: Design Standard for Bracing.

BCSI Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate

CANADA: Connected Wood Trusses.

Numbering System



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

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with TPIC and CSA O86. These truss designs rely on lumber values established by others.

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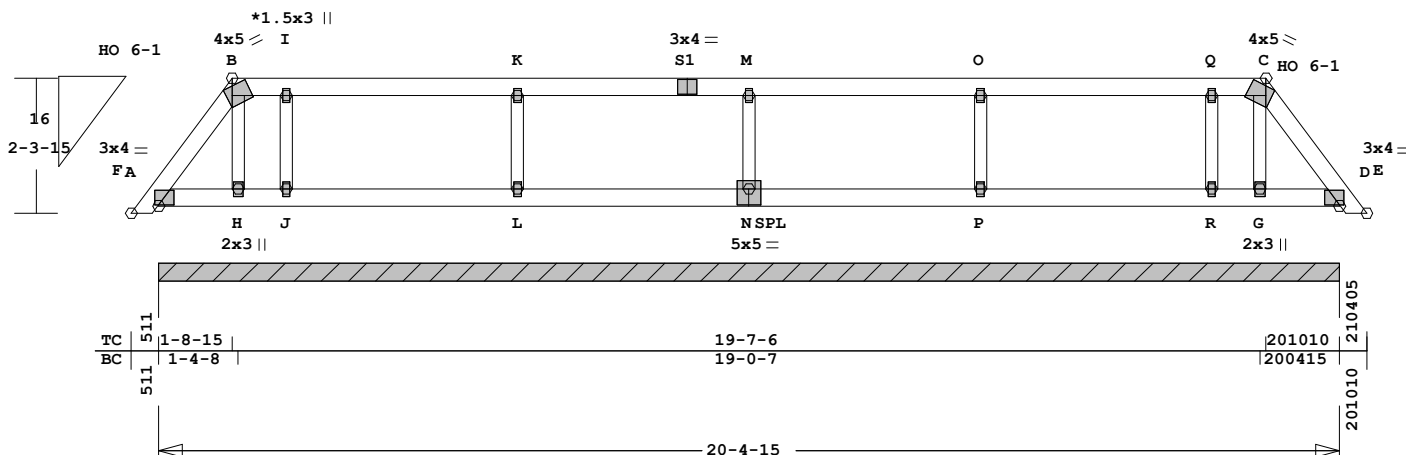


General Safety Notes

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 CANADA.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T or I 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 ware 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 Manufacturing and Material Variances.

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
41-5-B-Cnr	HP1	2	PBHP	200415	16	0	0	J1262739



Scale: 0.301" = 1'

Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

CSI -Size- ---Lumber---
TC 0.17 2x 4 SPF-#2
BC 0.02 2x 4 SPF-#2
WB 0.01 2x 3 SPF-#2
GW 0.00 2x 3 SPF-#2

Importance Category : Normal
Condition at Manufacture : Dry
Treatment : Untreated
Service Condition : Dry

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	20- 4-15	
or	48.0"	0- 0- 0	20- 4-15
BC	120.0"	0- 0- 0	20- 4-15

psf-Ld	Dead	Live	Snow
TC	3.0	0.0	23.3
BC	7.0	10.0	0.0
TC+BC	10.0	10.0	23.3
Total	43.3	Spacing	24.0"
TC Fb=1.00	Fc=1.00	Ft=1.00	
BC Fb=1.00	Fc=1.00	Ft=1.00	

Unfactored Reactions (Lbs)
Jt -DL- -LL- -SL-
F 205D 0D 961D

TL Factored Reactions (Lbs)
Jt Down Uplift Horiz-
F 1698

Jt	Brg Size	Required
F	244.9"	0"-to- 245"

Maximum Downward Loadcase
LC# 1 Snow Loading

Plf	TC	Beg	End	From	To
Dist Dead	6	6	0.0	20.4	
Dist Snow	47	47	0.0	20.4	
Plf BC	Beg	End	From	To	
Dist Dead	14	14	0.0	20.4	
Dist Live	20	20	0.0	20.4	
Dist Dead	-10	-10	0.0	20.4	
Dist Live	-20	-20	0.0	20.4	

Membr	CSI	P	Lbs	M@1st	M@2nd
-----Top Chords-----					
F -B	0.02	12 C	8	0	
B -I	0.11	4 C	0	-888	
I -K	0.17	8 C	-884	-1327	
K -S1	0.17	8 C	-1327	216	
S1-M	0.15	8 C	216	-1197	
M -O	0.17	8 C	-1197	-1327	
O -Q	0.17	8 C	-1327	-884	

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 108.1 LBS

	Q -C	0.11	4 C	-888	0
C -E	0.02	12 C	0	8	
-----Bottom Chords-----					
F -H	0.01	0 T	70	-26	
H -J	0.01	0 T	-26	-52	
J -L	0.02	0 T	-52	-106	
L -N	0.02	0 T	-106	0	
N -P	0.02	0 T	0	-106	
P -R	0.02	0 T	-106	-52	
R -G	0.01	0 T	-52	-26	
G -E	0.01	0 T	-26	70	
-----Webs-----					
H -B	0.01	39 T			
G -C	0.01	38 T			
-----Gable Webs-----					
J -I	0.00	260 C			
L -K	0.00	321 C			
N -M	0.00	304 C			
P -O	0.00	321 C			
R -Q	0.00	260 C			

TL Defl 0.00" in ---- L/999
TL Panel -0.02" in I -K L/999
(Note - TL = 1.33LL + DL)
LL Defl 0.00" in ---- L/999
Shear // Grain in I -K 0.14

Plates for each ply each face.
PLATING CONFORMS TO TPIC 2011
CSA STANDARD 086-09, ENG
DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA
PLATES MANUFACTURED BY
MITEK CANADA INC.
RM20 = MT20 or FT20
MT8H = MT18HS
MT16 = MII16
Plate - RM20 20 Ga, Net Area
Plate - MT8H 18 Ga, Net Area
Plate - RL05 18 Ga, Net Area
Plate - MT16 16 Ga, Net Area
Jt Type Plt Size X Y JSI
F RM20 3.0x 4.0 1.1 1.5 0.51
B RM20 4.0x 5.0 1.3-3.1 0.47
I RM20 1.5x 3.0 Ctr Ctr 0.00
K RM20 1.5x 3.0 Ctr Ctr 0.00
S1 RM20 3.0x 4.0 Ctr Ctr 0.39
M RM20 1.5x 3.0 Ctr Ctr 0.00
O RM20 1.5x 3.0 Ctr Ctr 0.00
Q RM20 1.5x 3.0 Ctr Ctr 0.00
C RM20 4.0x 5.0-1.3-3.1 0.47
E RM20 3.0x 4.0-1.1 1.5 0.51
H RM20 2.0x 3.0 Ctr Ctr 0.47
J RM20 1.5x 3.0 Ctr Ctr 0.00
L RM20 1.5x 3.0 Ctr Ctr 0.00
N RM20 5.0x 5.0 Ctr-0.8 0.41
P RM20 1.5x 3.0 Ctr Ctr 0.00
R RM20 1.5x 3.0 Ctr Ctr 0.00
G RM20 2.0x 3.0 Ctr Ctr 0.47

Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth
shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

NOTES:
Trusses Manufactured by:
NEWCO PREFAB CORP LTD
Analysis Conforms To:
TPIC-RES , Standard Formula
NBCC2010

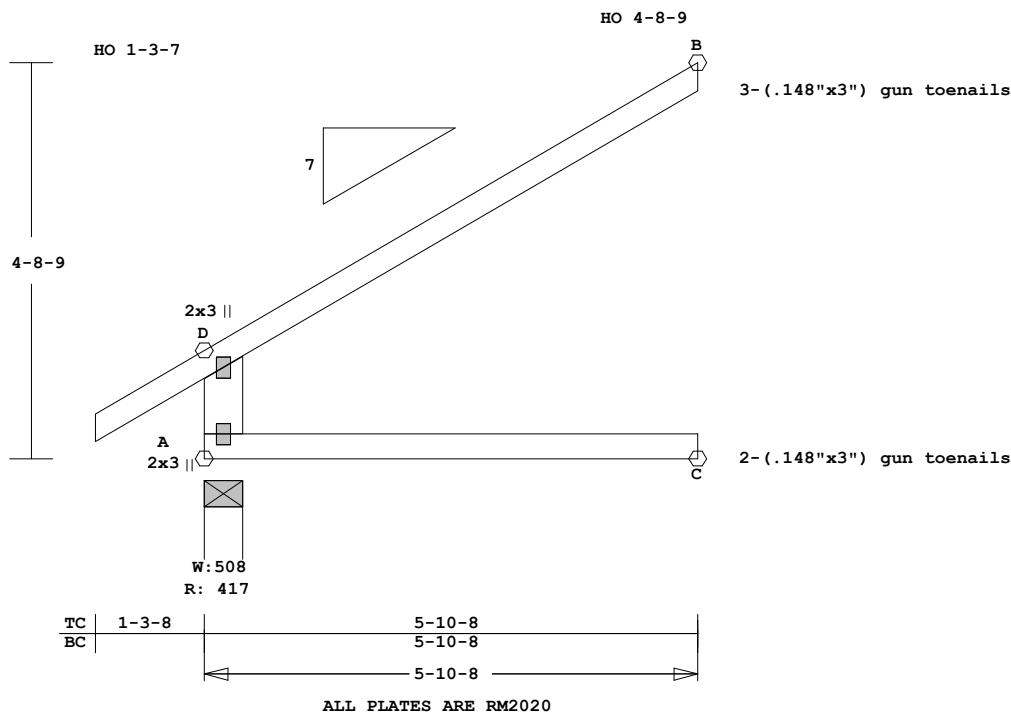
OH Loading
Partial-length live loads
checked.
Design Roof Snow Load Use:
Ground Snow Load = 27.1 psf
Rain Load = 8.4 psf
Non-slippery Roof
Importance Factor 1.00
Exposed to Wind Factor 1.00
Balanced Load Factor 0.55
Unbalanced Load Factor 0.00
Unbalanced Loads Checked
Load Factors = 1.00 and 0.00

FABRICATOR NOTES:
1. MITEK CANADA INC. IS
RESPONSIBLE ONLY FOR THE
STRUCTURAL ADEQUACY OF THIS
COMPONENT BASED ON DESIGN
CRITERIA AND LOADS SHOWN.
IT IS THE RESPONSIBILITY OF
OTHERS TO VERIFY COMPONENT
SUITABILITY AND DIMENSIONS.
2. DESIGN CONFORMS TO PART 9
OBC, 2012.
PEO
Certificate No. 100129376



November 30, 2016

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
41-5-B-Cnr	J1	19	JCA2	51008	7	1- 3- 8	0	J1262740



Scale: 0.437" = 1'

Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

CSI -Size- ----Lumber-----
TC 0.33 2x 4 SPF-#2
BC 0.23 2x 4 SPF-#2
WB 0.06 2x 6 SPF-#2

Importance Category : Normal
Condition at Manufacture : Dry
Treatment : Untreated
Service Condition : Dry

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	5-10- 8
or 48.0"	0- 0- 0	5-10- 8
BC 70.5"	0- 0- 0	5-10- 8

psf-Ld	Dead	Live	Snow
TC	3.0	0.0	23.3
BC	7.0	10.0	0.0
TC+BC	10.0	10.0	23.3
Total	43.3	Spacing	24.0"
TC Fb=1.10	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

Unfactored Reactions (Lbs)

Jt	-DL-	-LL-	-SL-
A	68D	60D	202D
C	38D	52D	15D
B	19D	6D	117D

TL Factored Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	417		
C	96		
B	203		

Jt	Brg Size	Required
A	5.5"	5.5"
C	3.5"	1.5"
B	1.5"	1.5"

Bearing plates

Brg at A is SPF or better
Brg at A shall be placed
3 in. or more away from any
splice in bearing plate

Maximum Downward Loadcase

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 32.3 LBS

LC#	1	Snow Loading
Plf	TC	Beg End From To
Dist Dead	6	6 0.0 5.9
Dist Snow	47	47 0.0 5.9
Plf	BC	Beg End From To
Dist Dead	14	14 0.0 5.9
Dist Live	20	20 0.0 5.9

Membr	CSI	P	Lbs	M@1st	M@2nd
-----Top Chords-----					
D -B	0.33	10 C	-1372	-7	
-----Bottom Chords-----					
A -C	0.23	0 T	1064	-3	
-----Webs-----					
A -D	0.06	351 C	-1073	-1073	

TL Defl -0.10" in A -C L/603
TL Panel -0.20" in D -B L/387
(Note - TL = 1.33LL + DL)
LL Defl -0.07" in A -C L/898
Shear // Grain in D -B 0.15

Plates for each ply each face.
PLATING CONFORMS TO TPIC 2011
CSA STANDARD O86-09, ENG
DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA
PLATES MANUFACTURED BY
MITEK CANADA INC.
RM20 = MT20 or FT20
MT8H = MT18HS
MT16 = MII16

Plate - RM20 20 Ga, Net Area
Plate - MT8H 18 Ga, Net Area
Plate - RL05 18 Ga, Net Area
Plate - MT16 16 Ga, Net Area
Jt Type Plt Size X Y JSI
D RM20 2.0x 3.0 Ctr Ctr 0.27
A RM20 2.0x 3.0 Ctr Ctr 0.25

Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth
shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

For proper installation of
toe-nails, refer to the 2005
National Design Specification

(NDS) for Wood Construction

NOTES:

Trusses Manufactured by:
NEWCO PREFAB CORP LTD
Analysis Conforms To:
TPIC-RES , Standard Formula
NBCC2010

OH Loading

Design Roof Snow Load Use:
Ground Snow Load = 27.1 psf
Rain Load = 8.4 psf
Non-slippery Roof

Importance Factor	1.00
Exposed to Wind Factor	1.00
Balanced Load Factor	0.55
Unbalanced Load Factor	0.00

FABRICATOR NOTES:

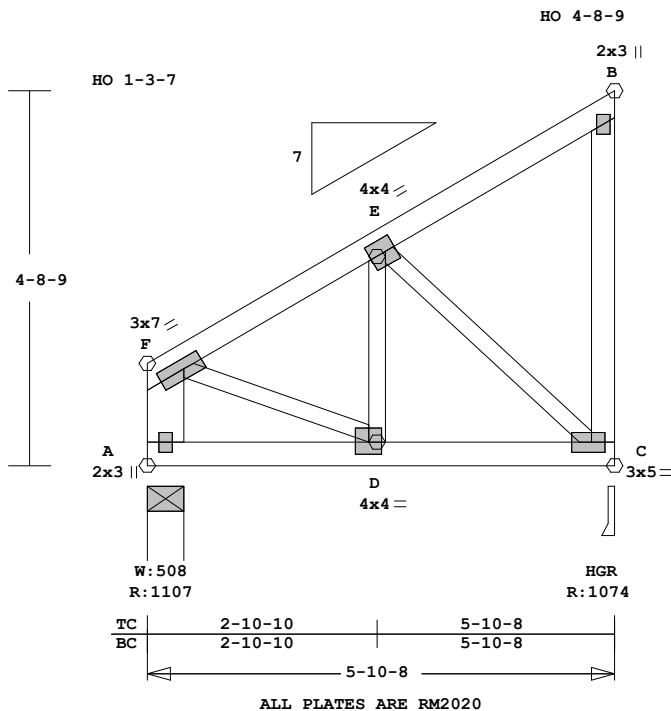
1. MITEK CANADA INC. IS RESPONSIBLE ONLY FOR THE STRUCTURAL ADEQUACY OF THIS COMPONENT BASED ON DESIGN CRITERIA AND LOADS SHOWN. IT IS THE RESPONSIBILITY OF OTHERS TO VERIFY COMPONENT SUITABILITY AND DIMENSIONS.
2. DESIGN CONFORMS TO PART 9 OBC, 2012.

PEO
Certificate No. 100129376



November 30, 2016

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
41-5-B-Cnr	JIGI	1	MONO	51008	7	0	0	J1262741



Scale: 0.414" = 1'

Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

CSI -Size- ---Lumber---
TC 0.09 2x 4 SPF-#2
BC 0.47 2x 4 SPF-#2
WB 0.18 2x 3 SPF-#2
-- 0.00 2x 6 SPF-#2
A -F
C -B

Importance Category : Normal
Condition at Manufacture : Dry
Treatment : Untreated
Service Condition : Dry

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	5-10- 8
or 48.0"	0- 0- 0	5-10- 8
BC 70.5"	0- 0- 0	5-10- 8

psf-Ld	Dead	Live	Snow
TC	3.0	0.0	23.3
BC	7.0	10.0	59.2
TC+BC	10.0	10.0	82.5
Total	102.5	Spacing	24.0"
TC Fb=1.00	Fc=1.00	Ft=1.00	
BC Fb=1.00	Fc=1.00	Ft=1.00	

Unfactored Reactions (Lbs)
Jt -DL- -LL- -SL-
A 211D 211D 492D
C 205D 205D 477D

TL Factored Reactions (Lbs)
Jt Down Uplift Horiz-
A 1107
C 1074

Jt	Brg Size	Required
A	5.5"	5.5"
C	3.5"	3.5"

Bearing plates
Brg plate is SPF or better
Truss shall be placed 3 in.
or more away from any splice
in bearing plate

Maximum Downward Loadcase
LC# 1 Girder & Snow Load
Plf TC Beg End From To
Dist Dead 6 6 0.0 5.9

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 50.7 LBS

Dist	Snow	47	47	0.0	5.9
Plf	BC	Beg	End	From	To
Dist	Dead	65	65	0.0	5.9
Dist	Live	71	71	0.0	5.9
Dist	Snow	118	118	0.0	5.9

Membr	CSI	P	Lbs	M@1st	M@2nd
-----Top Chords-----					
F -E	0.09	726	C	-24	-675
E -B	0.08	9	C	-675	-9
-----Bottom Chords-----					
A -D	0.38	0	T	-92	-2842
D -C	0.47	636	T	-2842	-37

Membr	CSI	P	Lbs	M@1st	M@2nd
-----Webs-----					
A -F	0.00	735	C		
F -D	0.17	688	T		
D -E	0.18	712	T		
E -C	0.06	870	C		
C -B	0.00	101	C		

TL Defl -0.03" in D -C L/999
TL Panel -0.01" in E -B L/999
(Note - TL = 1.33LL + DL)
LL Defl -0.02" in D -C L/999
Shear // Grain in D -C 0.42

Plates for each ply each face.
PLATING CONFORMS TO TPIC 2011
CSA STANDARD 086-09, ENG
DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA
PLATES MANUFACTURED BY
MITEK CANADA INC.
RM20 = MT20 or FT20
MT8H = MT18HS
MT16 = MII16

Plate	RM20	20 Ga,	Net Area
Plate	MT8H	18 Ga, <td>Net Area</td>	Net Area
Plate	RL05	18 Ga, <td>Net Area</td>	Net Area
Plate	MT16	16 Ga, <td>Net Area</td>	Net Area

Jt Type	Plt Size	X	Y	JSI
F	RM20	3.0x	7.0-0.4-0.3	0.66
E	RM20	4.0x	4.0-0.4-0.3	0.67
B	RM20	2.0x	3.0 Ctr Ctr	0.27
A	RM20	2.0x	3.0 Ctr Ctr	0.47
D	RM20	4.0x	4.0-1.2 0.2	0.62
C	RM20	3.0x	5.0-0.5 Ctr	0.70

Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth
shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

NOTES:

Trusses Manufactured by:
NEWCO PREFAB CORP LTD
Analysis Conforms To:
TPIC-RES , Standard Formula
NBCC2010

Girder Common

Loading BC
Span 12- 2- 0
Use properly rated hangers for
loads framing into girder
truss.

Design Roof Snow Load Use:
Ground Snow Load = 27.1 psf
Rain Load = 8.4 psf
Non-slippery Roof
Importance Factor 1.00
Exposed to Wind Factor 1.00
Balanced Load Factor 0.55
Unbalanced Load Factor 0.00

FABRICATOR NOTES:

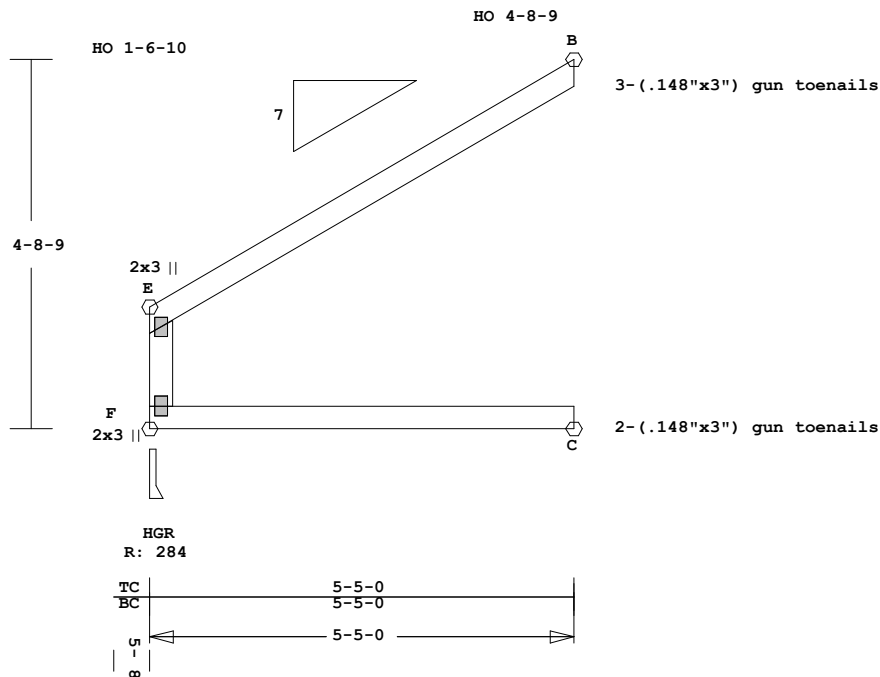
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- DESIGN CONFORMS TO PART 9 OBC, 2012. PEO

Certificate No. 100129376



November 30, 2016

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
41-5-B-Cnr	JIS	7	JCA2	50500	7	0	0	J1262742



Scale: 0.408" = 1'

Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

CSI -Size- ----Lumber-----
TC 0.30 2x 4 SPF-#2
BC 0.19 2x 4 SPF-#2
WB 0.10 2x 4 SPF-#2

Importance Category : Normal
Condition at Manufacture : Dry
Treatment : Untreated
Service Condition : Dry

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	5- 5- 0
or 48.0"	0- 0- 0	5- 5- 0
BC 65.0"	0- 0- 0	5- 5- 0

psf-Ld	Dead	Live	Snow
TC	3.0	0.0	23.3
BC	7.0	10.0	0.0
TC+BC	10.0	10.0	23.3
Total	43.3	Spacing	24.0"
TC Fb=1.10	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

Unfactored Reactions (Lbs)

Jt	-DL-	-LL-	-SL-
F	54D	54D	127D
C	36D	50D	12D
B	18D	4D	114D

TL Factored Reactions (Lbs)

Jt	Down	Uplift	Horiz-
F	285		
C	88		
B	195		

Jt	Brg Size	Required
F	3.5"	3.5"
C	3.5"	1.5"
B	1.5"	1.5"

Bearing plates

Brg at F is SPF or better
Brg at F shall be placed
3 in. or more away from any
splice in bearing plate

Maximum Downward Loadcase

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 26.6 LBS

LC#	1	Snow Loading
Plf	TC	Beg End From To
Dist Dead	6	6 0.0 5.4
Dist Snow	47	47 0.0 5.4
Plf	BC	Beg End From To
Dist Dead	14	14 0.0 5.4
Dist Live	20	20 0.0 5.4

Membr	CSI	P	Lbs	M@1st	M@2nd
-----Top Chords-----					
E -B	0.30	6	C	-843	-7
-----Bottom Chords-----					
F -C	0.19	0	T	830	-3
-----Webs-----					
F -E	0.10	223	C	-834	-833

TL Defl -0.07" in F -C L/783
TL Panel -0.16" in E -B L/440
(Note - TL = 1.33LL + DL)
LL Defl -0.05" in F -C L/999
Shear // Grain in E -B 0.14

Plates for each ply each face.
PLATING CONFORMS TO TPIC 2011
CSA STANDARD O86-09, ENG
DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA
PLATES MANUFACTURED BY
MITEK CANADA INC.
RM20 = MT20 or FT20
MT8H = MT18HS
MT16 = MII16

Plate - RM20 20 Ga, Net Area
Plate - MT8H 18 Ga, Net Area
Plate - RL05 18 Ga, Net Area
Plate - MT16 16 Ga, Net Area
Jt Type Plt Size X Y JSI
E RM20 2.0x 3.0 Ctr Ctr 0.27
F RM20 2.0x 3.0 Ctr Ctr 0.25

Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth
shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

For proper installation of
toe-nails, refer to the 2005
National Design Specification

(NDS) for Wood Construction

NOTES:

Trusses Manufactured by:
NEWCO PREFAB CORP LTD
Analysis Conforms To:
TPIC-RES , Standard Formula
NBCC2010

Design Roof Snow Load Use:
Ground Snow Load = 27.1 psf
Rain Load = 8.4 psf
Non-slippery Roof
Importance Factor 1.00
Exposed to Wind Factor 1.00
Balanced Load Factor 0.55
Unbalanced Load Factor 0.00

FABRICATOR NOTES:

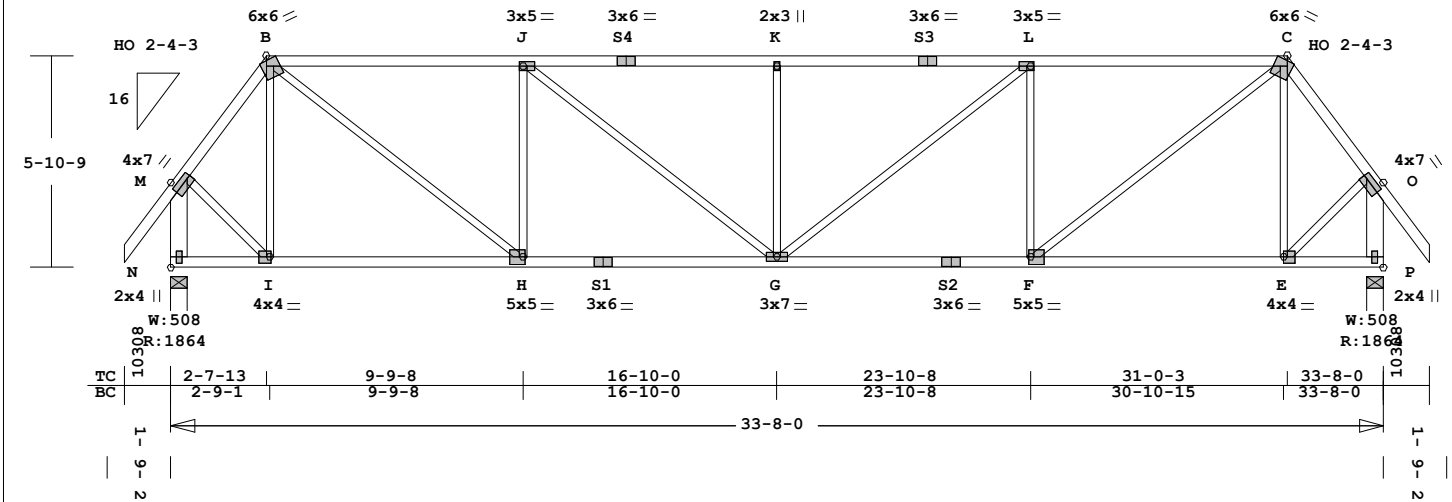
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- DESIGN CONFORMS TO PART 9 OBC, 2012.

PEO
Certificate No. 100129376



November 30, 2016

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
41-5-B-Cnr	T1A	1	SHPS	330800	16	1- 3- 8	1- 3- 8	J1262743



ALL PLATES ARE RM2020

Scale: 0.188" = 1'

Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

CSI -Size- ---Lumber---
TC 0.71 2x 4 SPF-#2
BC 0.50 2x 4 SPF-#2
WB 0.42 2x 3 SPF-#2
-- 0.02 2x 6 SPF-#2
N -M P -O

Importance Category : Normal
Condition at Manufacture : Dry
Treatment : Untreated
Service Condition : Dry

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	33- 8- 0
or 36.0"	0- 0- 0	33- 8- 0
BC 120.0"	0- 0- 0	33- 8- 0

psf-Ld	Dead	Live	Snow
TC	3.0	0.0	23.3
BC	7.0	10.0	0.0
TC+BC	10.0	10.0	23.3
Total	43.3	Spacing	24.0"
TC Fb=1.10	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

Unfactored Reactions (Lbs)

Jt	-DL-	-LL-	-SL-
N	344D	337D	844D
P	344D	337D	844D

TL Factored Reactions (Lbs)

Jt	Down	Uplift	Horiz
N	1865		
P	1865		

Jt	Brg Size	Required
N	5.5"	5.5"
P	5.5"	5.5"

Bearing plates

Brg plate is SPF or better
Truss shall be placed 3 in.
or more away from any splice
in bearing plate

Maximum Downward Loadcase

LC#	1	Snow Loading			
Plf	TC	Beg	End	From	To
Dist Dead	6	6	0.0	33.7	
Dist Snow	47	47	0.0	33.7	
Plf	BC	Beg	End	From	To
Dist Dead	14	14	0.0	33.7	
Dist Live	20	20	0.0	33.7	

Membr CSI P Lbs M@1st M@2nd

Member	CSI	P	Lbs	M@1st	M@2nd
M -M	0.01	7	T	0	-24
M -B	0.09	1234	C	-24	0
B -J	0.71	2211	C	0	-4877
J -S4	0.65	2649	C	-4877	1382

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 273.3 LBS

Member	Q	U	C	T	W
S4-K	0.46	2649	C	1382	-3129
K -S3	0.46	2649	C	-3129	1382
S3-L	0.65	2649	C	1382	-4877
L -C	0.71	2211	C	-4877	0
C -O	0.09	1234	C	0	-24
O -O	0.01	7	T	-24	0

Bottom Chords

Member	Q	U	C	T	W
N -I	0.17	0	T	-8	-1137
I -H	0.26	723	T	-1137	-1301
H -S1	0.50	2212	T	-1301	498
S1-G	0.49	2212	T	498	-1177
G -S2	0.49	2212	T	-1177	498
S2-F	0.50	2212	T	498	-1301
F -E	0.26	723	T	-1301	-1137
E -P	0.17	0	T	-1137	-8

Webs

Member	Q	U	C	T	W
N -M	0.02	1861	C		
M -I	0.22	984	T		
I -B	0.07	490	C		
B -H	0.42	1883	T		
H -J	0.26	958	C		
J -G	0.13	558	T		
G -K	0.07	503	C		
K -L	0.13	558	T		
L -F	0.26	958	C		
F -C	0.42	1883	T		
C -O	0.07	490	C		
O -E	0.22	984	T		
P -O	0.02	1861	C		

TL Defl -0.28" in G -F L/999
TL Panel -0.28" in B -J L/309
(Note - TL = 1.33LL + DL)
LL Defl -0.21" in G -F L/999
Shear // Grain in B -J 0.25

Plates for each ply each face.
PLATING CONFORMS TO TPIC 2011
CSA STANDARD 086-09, ENG

DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA
PLATES MANUFACTURED BY
MITEK CANADA INC.

RM20 = MT20 or FT20
MT8H = MT18HS
MT16 = MT116

Plate	RM20	20 Ga	Net Area
Plate - MT8H	18 Ga	Net Area	
Plate - RL05	18 Ga	Net Area	
Plate - MT16	16 Ga	Net Area	

Jt	Type	Plt Size	X	Y	JSI
M	RM20	4.0x	7.0-1.2-2.0	0.76	
B	RM20	6.0x	6.0 1.8-4.2	0.88	
J	RM20	3.0x	5.0 Ctr Ctr	0.57	
S4	RM20	3.0x	6.0 Ctr Ctr	0.78	
K	RM20	2.0x	3.0 Ctr Ctr	0.47	
S3	RM20	3.0x	6.0 Ctr Ctr	0.78	
L	RM20	3.0x	5.0 Ctr Ctr	0.57	
C	RM20	6.0x	6.0-1.8-4.2	0.88	
O	RM20	4.0x	7.0 1.2-2.0	0.76	
N	RM20	2.0x	4.0 Ctr Ctr	0.84	
I	RM20	4.0x	4.0-0.5 Ctr	0.71	
H	RM20	5.0x	5.0-0.8 Ctr	0.82	

Member	Q	U	C	T	W
S1	RM20	3.0x	6.0 Ctr Ctr	0.68	
G	RM20	3.0x	7.0 Ctr Ctr	0.64	
S2	RM20	3.0x	6.0 Ctr Ctr	0.68	
F	RM20	5.0x	5.0 0.8 Ctr	0.82	
E	RM20	4.0x	4.0 0.5 Ctr	0.71	
P	RM20	2.0x	4.0 Ctr Ctr	0.84	

Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth
shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

NOTES:

Trusses Manufactured by:
NEWCO PREFAB CORP LTD
Analysis Conforms To:
TPIC-RES , Standard Formula
NBCC2010

OH Loading

Design Roof Snow Load Use:
Ground Snow Load = 27.1 psf
Rain Load = 8.4 psf
Non-slippery Roof
Importance Factor 1.00
Exposed to Wind Factor 1.00
Balanced Load Factor 0.55
Unbalanced Load Factor 0.00

FABRICATOR NOTES:

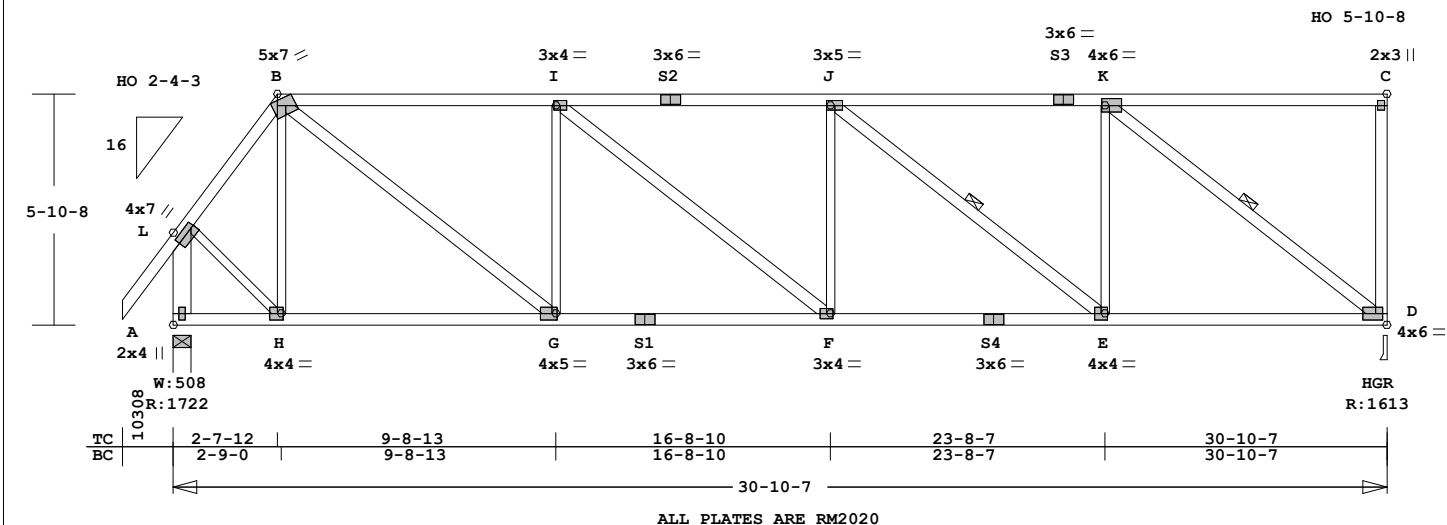
1. MITEK CANADA INC. IS RESPONSIBLE ONLY FOR THE STRUCTURAL ADEQUACY OF THIS COMPONENT BASED ON DESIGN CRITERIA AND LOADS SHOWN. IT IS THE RESPONSIBILITY OF OTHERS TO VERIFY COMPONENT SUITABILITY AND DIMENSIONS.
2. DESIGN CONFORMS TO PART 9 OBC, 2012. PEO

Certificate No. 100129376



November 30, 2016

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
41-5-B-Cnr	T1A1	1	SMHS	301007	16	1- 3- 8	0	J1262744



Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

CSI -Size- Lumber---
TC 0.67 2x 4 SPF-#2
BC 0.54 2x 4 SPF-#2
WB 0.68 2x 4 SPF-#2
-- 0.02 2x 6 SPF-#2
A -L
-- 0.20 2x 3 SPF-#2
L -H H -B G -I F -J
E -K

Importance Category : Normal
Condition at Manufacture : Dry
Treatment : Untreated
Service Condition : Dry

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 30-10- 7
or 42.0" 0- 0- 0 30-10- 7
BC 120.0" 0- 0- 0 30-10- 7
One Continuous Lateral Brace
J -E K -D
All braces 1x4"

psf-Ld Dead Live Snow
TC 3.0 0.0 23.3
BC 7.0 10.0 0.0
TC+BC 10.0 10.0 23.3
Total 43.3 Spacing 24.0"
TC Fb=1.10 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Unfactored Reactions (Lbs)
Jt -DL- -LL- -SL-
A 317D 310D 781D
D 308D 308D 717D

TL Factored Reactions (Lbs)
Jt Down Uplift Horiz-
A 1723
D 1614

Jt Brg Size Required
A 5.5" 5.5"
D 3.5" 3.5"

Bearing plates
Brg plate is SPF or better
Truss shall be placed 3 in.
or more away from any splice
in bearing plate

Maximum Downward Loadcase
LC# 1 Snow Loading
Plf TC Beg End From To
Dist Dead 6 6 0.0 30.9
Dist Snow 47 47 0.0 30.9
Plf BC Beg End From To
Dist Dead 14 14 0.0 30.9
Dist Live 20 20 0.0 30.9

Membr CSI P Lbs M@1st M@2nd

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 261.5 LBS

-----Top Chords-----
L -L 0.01 7 T 0 -24
L -B 0.09 1124 C -24 0
B -I 0.67 1963 C 0 -4814
I -S2 0.61 2230 C -4814 1395
S2-J 0.43 2230 C 1395 -3118
J -S3 0.41 1641 C -3118 -1615
S3-K 0.57 1641 C -1615 -4774
K -C 0.54 0 T -4774 -9
-----Bottom Chords-----
A -H 0.16 0 T -8 -1056
H -G 0.26 659 T -1056 -1332
G -S1 0.47 1963 T -1332 498
S1-F 0.44 1963 T 498 -1124
F -S4 0.49 2230 T -1124 537
S4-E 0.54 2230 T 537 -1593
E -D 0.44 1641 T -1593 -3
-----Webs-----
A -L 0.02 1716 C
L -H 0.20 898 T
H -B 0.05 438 C
B -G 0.27 1654 T
G -I 0.19 820 C
I -F 0.05 341 T
F -J 0.00 29 C
J -E 0.09 754 C 1 Br
E -K 0.15 688 T
K -D 0.68 2097 C 1 Br
D -C 0.01 226 C

TL Defl -0.21" in G -F L/999
TL Panel -0.27" in B -I L/317
(Note - TL = 1.33LL + DL)
LL Defl -0.15" in G -F L/999
Shear // Grain in B -I 0.25

Plates for each ply each face.
PLATING CONFORMS TO TPIC 2011
CSA STANDARD O86-09, ENG

DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA
PLATES MANUFACTURED BY
MITEK CANADA INC.

RM20 = MT20 or FT20
MT8H = MT18HS

MT16 = M116
Plate - RM20 20 Ga, Net Area
Plate - MT8H 18 Ga, Net Area
Plate - RL05 18 Ga, Net Area
Plate - MT16 16 Ga, Net Area

Jt Type Plt Size X Y JSI
L RM20 4.0x 7.0-1.3-2.2 0.69
B RM20 5.0x 7.0 2.2-3.8 0.83
I RM20 3.0x 4.0 Ctr Ctr 0.53
S2 RM20 3.0x 6.0 Ctr Ctr 0.72
J RM20 3.0x 5.0 Ctr Ctr 0.64
S3 RM20 3.0x 6.0 Ctr Ctr 0.70
K RM20 4.0x 6.0 0.8 Ctr 0.76
C RM20 2.0x 3.0 Ctr Ctr 0.47
A RM20 2.0x 4.0 Ctr Ctr 0.78
H RM20 4.0x 4.0-0.2 Ctr 0.71
G RM20 4.0x 5.0-1.0 Ctr 0.75
S1 RM20 3.0x 6.0 Ctr Ctr 0.61
F RM20 3.0x 4.0 Ctr Ctr 0.50

S4 RM20 3.0x 6.0 Ctr Ctr 0.69
E RM20 4.0x 4.0 Ctr Ctr 0.59
D RM20 4.0x 6.0-0.8 Ctr 0.76

Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth
shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

NOTES:

Trusses Manufactured by:
NEWCO PREFAB CORP LTD
Analysis Conforms To:
TPIC-RES , Standard Formula
NBCC2010

OH Loading
Design Roof Snow Load Use:
Ground Snow Load = 27.1 psf
Rain Load = 8.4 psf
Non-slippery Roof
Importance Factor 1.00
Exposed to Wind Factor 1.00
Balanced Load Factor 0.55
Unbalanced Load Factor 0.00

FABRICATOR NOTES:

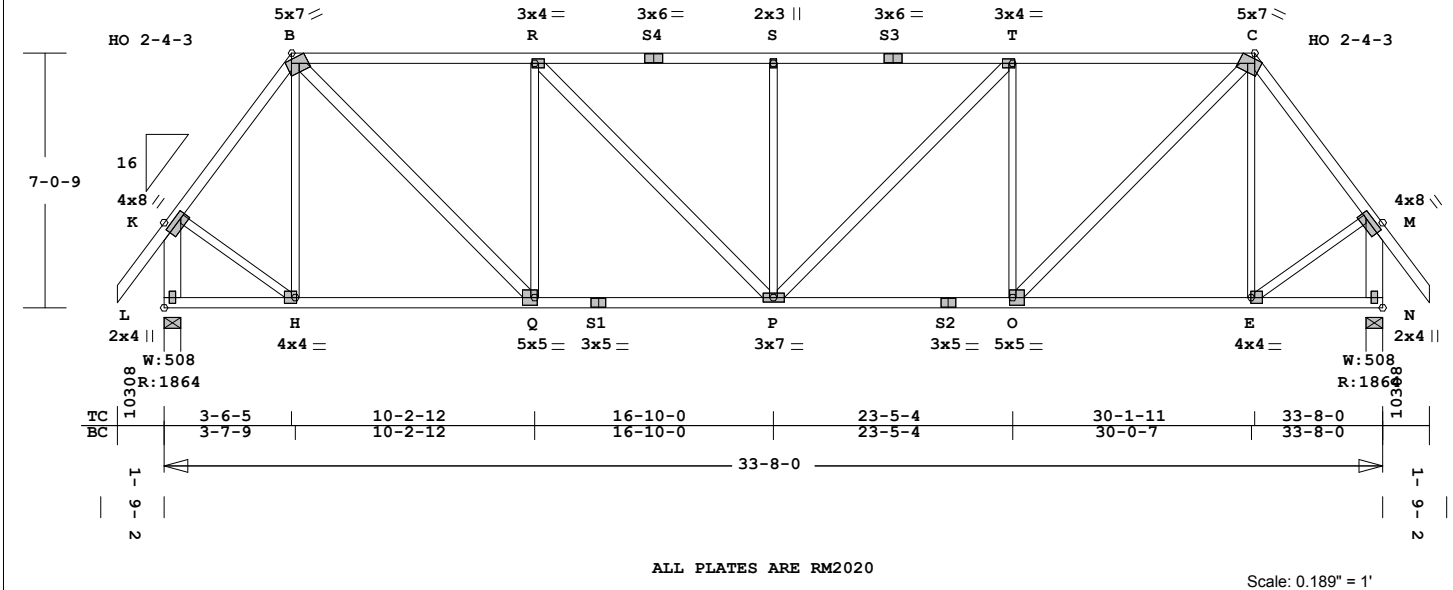
- MITEK CANADA INC. IS RESPONSIBLE ONLY FOR THE STRUCTURAL ADEQUACY OF THIS COMPONENT BASED ON DESIGN CRITERIA AND LOADS SHOWN. IT IS THE RESPONSIBILITY OF OTHERS TO VERIFY COMPONENT SUITABILITY AND DIMENSIONS.
- DESIGN CONFORMS TO PART 9 OBC, 2012.

PEO
Certificate No. 100129376



November 30, 2016

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
41-5-B-Cnr	T1B	1	SHPS	330800	16	1- 3- 8	1- 3- 8	J1262745



Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

CSI -Size- ---Lumber---
TC 0.59 2x 4 SPF-#2
BC 0.44 2x 4 SPF-#2
WB 0.59 2x 3 SPF-#2
-- 0.02 2x 6 SPF-#2
L -K N -M
-- 0.25 2x 4 SPF-#2
B -Q R -P P -T O -C

Importance Category : Normal
Condition at Manufacture : Dry
Treatment : Untreated
Service Condition : Dry

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 33- 8- 0
or 42.0" 0- 0- 0 33- 8- 0
BC 120.0" 0- 0- 0 33- 8- 0

psf-Ld Dead Live Snow
TC 3.0 0.0 23.3
BC 7.0 10.0 0.0
TC+BC 10.0 10.0 23.3
Total 43.3 Spacing 24.0"
TC Fb=1.10 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Unfactored Reactions (Lbs)
Jt -DL- -LL- -SL-
L 344D 337D 844D
N 344D 337D 844D

TL Factored Reactions (Lbs)
Jt Down Uplift Horiz-
L 1865
N 1865

Jt Brg Size Required
L 5.5" 5.5"
N 5.5" 5.5"

Bearing plates
Brg plate is SPF or better
Truss shall be placed 3 in.
or more away from any splice
in bearing plate

Maximum Downward Loadcase
LC# 1 Snow Loading
Plf TC Beg End From To
Dist Dead 6 6 0.0 33.7
Dist Snow 47 47 0.0 33.7
Plf BC Beg End From To
Dist Dead 14 14 0.0 33.7
Dist Live 20 20 0.0 33.7

Membr CSI P Lbs M@1st M@2nd
-----Top Chords-----
K -K 0.01 7 T 0 -24
K -B 0.17 1324 C -24 0
B -R 0.59 1868 C 0 -4324

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 308.2 LBS

R -S4 0.56 2185 C -4324 1512
S4-S 0.38 2185 C 1512 -2768
S -S3 0.38 2185 C -2768 1512
S3-T 0.56 2185 C 1512 -4324
T -C 0.59 1868 C -4324 0
C -M 0.17 1324 C 0 -24
M -M 0.01 7 T -24 0
-----Bottom Chords-----
L -H 0.14 0 T -8 -939
H -Q 0.26 783 T -939 -1204
Q -S1 0.44 1868 T -1204 254
S1-P 0.42 1868 T 254 -1031
P -S2 0.42 1868 T -1031 254
S2-O 0.44 1868 T 254 -1204
O -E 0.26 783 T -1204 -939
E -N 0.14 0 T -939 -8
-----Webs-----
L -K 0.02 1834 C
K -H 0.21 947 T
H -B 0.10 368 C
B -Q 0.25 1535 T
Q -R 0.59 898 C
R -P 0.07 453 T
P -S 0.16 471 C
P -T 0.07 453 T
O -T 0.59 898 C
O -C 0.25 1535 T
E -C 0.10 368 C
E -M 0.21 947 T
N -M 0.02 1834 C

TL Defl -0.20" in Q -P L/999
TL Panel -0.21" in B -R L/376
(Note - TL = 1.33LL + DL)
LL Defl -0.15" in Q -P L/999
Shear // Grain in B -R 0.24

Plates for each ply each face.
PLATING CONFORMS TO TPIC 2011
CSA STANDARD 086-09, ENG
DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA
PLATES MANUFACTURED BY
MITEK CANADA INC.
RM20 = MT20 or FT20
MT8H = MT18HS
MT16 = MI16

Plate - RM20 20 Ga, Net Area
Plate - MT8H 18 Ga, Net Area
Plate - RL05 18 Ga, Net Area
Plate - MT16 16 Ga, Net Area
Jt Type Plt Size X Y JSI
K RM20 4.0x 8.0-1.0-1.7 0.71
B RM20 5.0x 7.0 2.0-3.9 0.86
R RM20 3.0x 4.0 Ctr Ctr 0.62
S4 RM20 3.0x 6.0 Ctr Ctr 0.74
S RM20 2.0x 3.0 Ctr Ctr 0.47
S3 RM20 3.0x 6.0 Ctr Ctr 0.74
T RM20 3.0x 4.0 Ctr Ctr 0.62
C RM20 5.0x 7.0-2.0-3.9 0.85
M RM20 4.0x 8.0 1.0-1.7 0.71
L RM20 2.0x 4.0 Ctr Ctr 0.83
H RM20 4.0x 4.0-0.5 Ctr 0.66
Q RM20 5.0x 5.0-0.2 Ctr 0.70

S1 RM20 3.0x 5.0 Ctr Ctr 0.67
P RM20 3.0x 7.0 Ctr Ctr 0.53
S2 RM20 3.0x 5.0 Ctr Ctr 0.67
O RM20 5.0x 5.0 0.2 Ctr 0.70
E RM20 4.0x 4.0 0.5 Ctr 0.66
N RM20 2.0x 4.0 Ctr Ctr 0.83

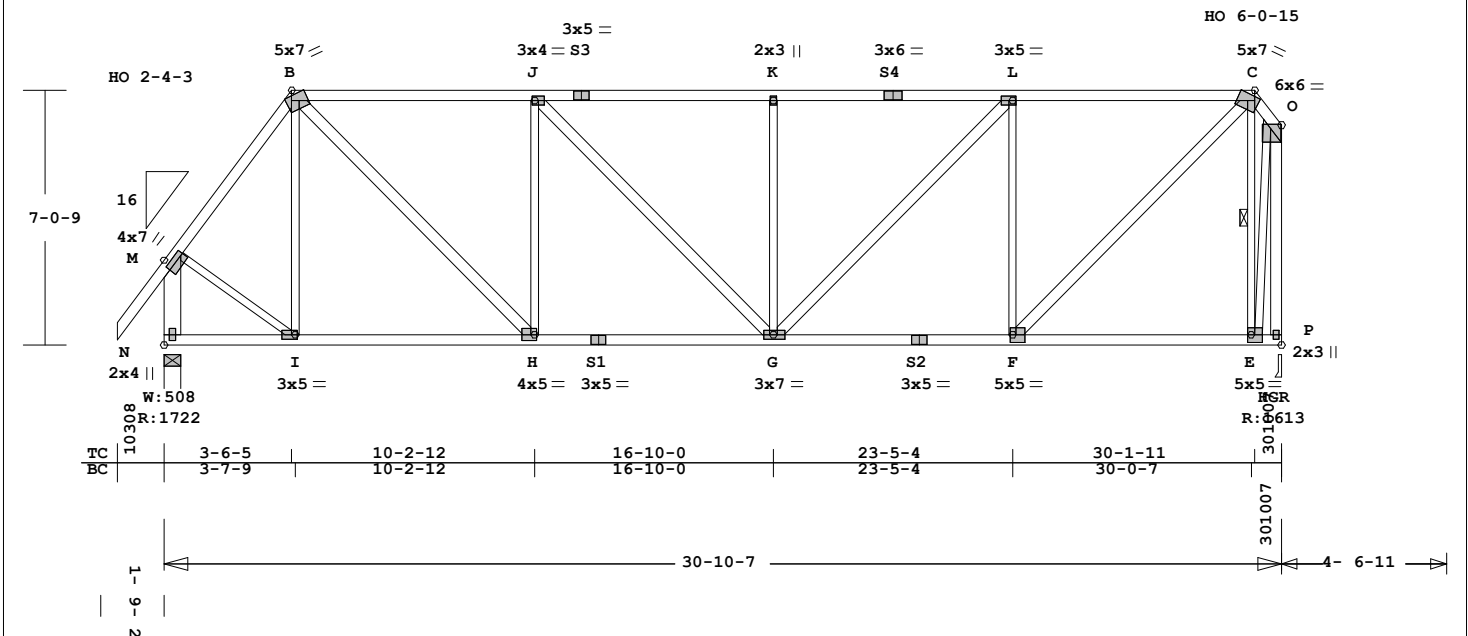
Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth
shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

NOTES:
Trusses Manufactured by:
NEWCO PREFAB CORP LTD
Analysis Conforms To:
TPIC-RES , Standard Formula
NBCC2010
OH Loading
Design Roof Snow Load Use:
Ground Snow Load = 27.1 psf
Rain Load = 8.4 psf
Non-slippery Roof
Importance Factor 1.00
Exposed to Wind Factor 1.00
Balanced Load Factor 0.55
Unbalanced Load Factor 0.00

FABRICATOR NOTES:
1. MITEK CANADA INC. IS
RESPONSIBLE ONLY FOR THE
STRUCTURAL ADEQUACY OF THIS
COMPONENT BASED ON DESIGN
CRITERIA AND LOADS SHOWN.
IT IS THE RESPONSIBILITY OF
OTHERS TO VERIFY COMPONENT
SUITABILITY AND DIMENSIONS.
2. DESIGN CONFORMS TO PART 9
OBC, 2012. PEO
Certificate No. 100129376



November 30, 2016



ALL PLATES ARE RM2020

Scale: 0.189" = 1'

Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

	CSI	-Size-	----	Lumber----
TC	0.57	2x 4	SPF	#2
BC	0.41	2x 4	SPF	#2
WB	0.79	2x 3	SPF	#2
--	0.02	2x 6	SPF	#2
	N	-M		
--	0.53	2x 4	SPF	#2
	B -H	J -G	G -L	F -C
	P -O			

```
Importance Category   : Normal
Condition at Manufacture : Dry
Treatment             : Untreated
Service Condition     : Dry
```

Brace truss as follows:				
	O.C.	From	To	
TC	Cont.	0- 0- 0	30-10-	7
or	48.0"	0- 0- 0	30-10-	7
BC	120.0"	0- 0- 0	30-10-	7

One Continuous Lateral Brace
E - C
All braces 1x4"

psf-Ld	Dead	Live	Snow
TC	3.0	0.0	23.3
BC	7.0	10.0	0.0
TC+BC	10.0	10.0	23.3
Total	43.3	Spacing	24.0"
TC Fb=1.10	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

Unfactored Reactions (Lbs)			
Jt	-DL-	-LL-	-SL-
N	317D	310D	781D
P	308D	308D	717D

TL Factored Reactions (Lbs)			
Jt	Down	Uplift	Horiz-
N	1723		
P	1614		

Jt	Brg Size	Required
N	5.5"	5.5"
P	3.5"	3.5"

Bearing plates
Brg plate is SPF or better
Truss shall be placed 3 in.
or more away from any splice
in bearing plate

Maximum Downward Loadcase

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 296.8 LBS

LC#	1	Snow Loading				
Plf	TC	Beg	End	From	To	
Dist	Dead	6	6	0.0	30.9	
Dist	Snow	47	47	0.0	30.9	
Plf	BC	Beg	End	From	To	
Dist	Dead	14	14	0.0	30.9	
Dist	Live	20	20	0.0	30.9	

Membr	CSI	P	Lbs	M†st	M‡nd
-----Top Chords-----					
M -M	0.01	7	T	0	-24
M -B	0.17	1206	C	-24	0
B -J	0.57	1658	C	0	-4335
J -S	0.83	1835	C	-4335	-841
S3-K	0.38	1835	C	-841	-2772
K -S4	0.36	1835	C	-2772	1499
S4-L	0.54	1835	C	1499	-4337
L -C	0.55	1383	C	-4337	0
C -O	0.00	246	C	0	-32
O -O	0.01	8	T	-32	0

-----Bottom Chords-----					
N	-I	0.14	0	T	-8 -929
I	-H	0.25	713	T	-929 -1224
H	-S1	0.41	1658	T	-1224 251
S1	-G	0.38	1658	T	251 -979
G	-S2	0.33	1383	T	-979 443
S2	-F	0.39	1383	T	443 -1445
F	-E	0.19	137	T	-1445 -114
E	-P	0.02	31	T	-114 -3

		Webs-	
N	-M	0.02	1692 C
M	-I	0.19	862 T
I	-B	0.08	321 C
B	-H	0.22	1337 T
H	-J	0.42	757 C
J	-G	0.04	253 T
G	-K	0.16	471 C
G	-L	0.10	646 T
F	-L	0.79	1040 C
F	-C	0.28	1762 T
E	-C	0.16	1275 C
E	-O	0.31	1378 T
P	-O	0.53	1617 C

TL Defl	-0.18"	in H	-G	L/999
TL Panel	-0.21"	in B	-J	L/376
(Note - TL = 1.33LL + DL)				
LL Defl	-0.14"	in H	-G	L/999
Shear //	Grain	in B	-J	0.24

Plates for each ply each face.
PLATING CONFORMS TO TPIC 2011
CSA STANDARD 086-09, ENG
DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA

PLATES MANUFACTURED BY
MITEK CANADA INC.

RM20 = MT20 OR FT20

MT8H = MT18HS

MT16 = MT16

Plate - RM20 20 Ga, Net Area

Plate - MT8H 18 Ga, Net Area

Plate - RL05 18 Ga, Net Area

Plate - MT16 16 Ga, Net Area

Jt Type	Plt Size	X	Y	JSI
M RM20	4.0x	7.0-1.3	2.1	0.65
B RM20	5.0x	7.0	1.9-3.8	0.79
J RM20	3.0x	4.0	Ctr Ctr	0.51
S3 RM20	3.0x	5.0	Ctr Ctr	0.68
K RM20	2.0x	3.0	Ctr Ctr	0.47
S4 RM20	3.0x	6.0	Ctr Ctr	0.68
L RM20	3.0x	5.0	Ctr Ctr	0.66
C RM20	5.0x	7.0-2.5	3-8	0.88
O RM20	6.0x	6.0	0.2-1.5	0.75
N RM20	2.0x	4.0	Ctr Ctr	0.76
I RM20	3.0x	5.0-0.8	Ctr Ctr	0.69
H RM20	4.0x	5.0-0.5	Ctr Ctr	0.74
S1 RM20	3.0x	5.0	Ctr Ctr	0.60
G RM20	3.0x	7.0	0.2 Ctr	0.66
S2 RM20	3.0x	5.0	Ctr Ctr	0.59
F RM20	5.0x	5.0	0.5-0.1	0.78
E RM20	5.0x	5.0	Ctr-0.1	0.82
P RM20	2.0x	3.0	Ctr Ctr	0.75

Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth
shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

NOTES:

Trusses Manufactured by:
NEWCO PREFAB CORP LTD

Analysis Conforms To:
TPIC-RES , Standard Formula
NBCC2010

OH Loading

Design Roof Snow Load Use:

Ground Snow Load =	27.1 psf
Rain Load =	8.4 psf

Non-slippery Roof

Importance Factor	1.00
Exposed to Wind Factor	1.00
Balanced Load Factor	0.55
Unbalanced Load Factor	0.00

FABRICATOR NOTES:

1. MITEK CANADA INC. IS
RESPONSIBLE ONLY FOR THE
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COMPONENT BASED ON DESIGN
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OTHERS TO VERIFY COMPONENT
SUITABILITY AND DIMENSIONS.

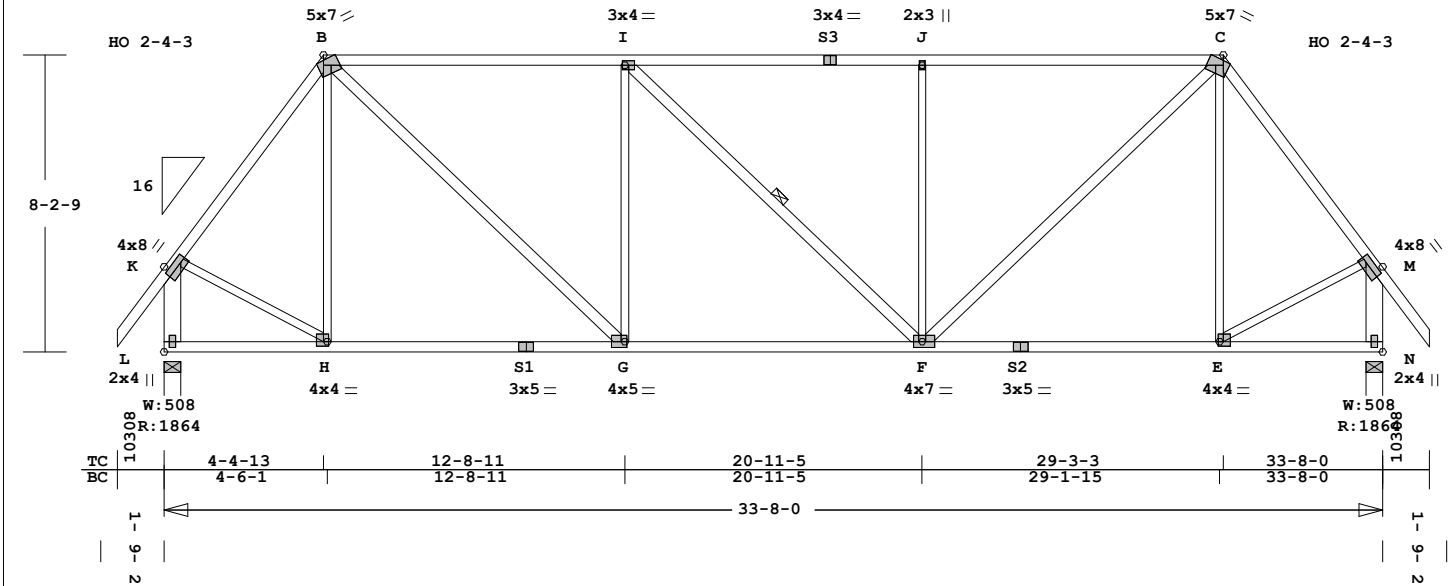
2. DESIGN CONFORMS TO PART 9
OBC, 2012.

PEO
Certificate No. 100129376



November 30, 2016

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
41-5-B-Cnr	TIC	1	SHPS	330800	16	1- 3- 8	1- 3- 8	J1262747



ALL PLATES ARE RM2020

Scale: 0.189" = 1'

Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

CSI -Size- ---Lumber---
TC 0.87 2x 4 SPF-#2
BC 0.50 2x 4 SPF-#2
WB 0.83 2x 3 SPF-#2
-- 0.02 2x 6 SPF-#2
L -K N -M
-- 0.22 2x 4 SPF-#2
B -G I -F F -C

Importance Category : Normal
Condition at Manufacture : Dry
Treatment : Untreated
Service Condition : Dry

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 33- 8- 0
or 42.0" 0- 0- 0 33- 8- 0
BC 120.0" 0- 0- 0 33- 8- 0
One Continuous Lateral Brace
I -F
All braces 1x4"

psf-Ld Dead Live Snow
TC 3.0 0.0 23.3
BC 7.0 10.0 0.0
TC+BC 10.0 10.0 23.3
Total 43.3 Spacing 24.0"
TC Fb=1.10 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Unfactored Reactions (Lbs)
Jt -DL- -LL- -SL-
L 344D 337D 844D
N 344D 337D 844D

TL Factored Reactions (Lbs)
Jt Down Uplift Horiz-
L 1865
N 1865

Jt Brg Size Required
L 5.5" 5.5"
N 5.5" 5.5"

Bearing plates
Brg plate is SPF or better
Truss shall be placed 3 in.
or more away from any splice
in bearing plate

Maximum Downward Loadcase
LC# 1 Snow Loading
Plf TC Beg End From To
Dist Dead 6 6 0.0 33.7
Dist Snow 47 47 0.0 33.7
Plf BC Beg End From To
Dist Dead 14 14 0.0 33.7
Dist Live 20 20 0.0 33.7

Membr CSI P Lbs M@1st M@2nd

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 303.5 LBS

-----Top Chords-----
K -K 0.01 7 T 0 -24
K -B 0.28 1384 C -24 0
B -I 0.87 1797 C 0 -6290
I -S3 0.79 1797 C -6290 431
S3-J 0.75 1797 C 431 -6252
J -C 0.86 1796 C -6252 0
C -M 0.28 1385 C 0 -24
M -M 0.01 7 T -24 0
-----Bottom Chords-----
L -H 0.22 0 T -8 -1444
H -S1 0.30 822 T -1444 737
S1-G 0.34 822 T 737 -1874
G -F 0.50 1797 T -1874 -1832
F -S2 0.34 822 T -1832 761
S2-E 0.30 822 T 761 -1458
E -N 0.22 0 T -1458 -8

-----Webs-----
L -K 0.02 1827 C
K -H 0.21 934 T
H -B 0.10 241 C
B -G 0.22 1342 T
G -I 0.83 691 C
I -F 0.00 1 C 1 Br
F -J 0.83 691 C
J -C 0.22 1340 T
C -E 0.10 241 C
E -M 0.21 934 T
N -M 0.02 1827 C

TL Defl -0.20" in G -F L/999
TL Panel -0.54" in J -C L/185
(Note - TL = 1.33LL + DL)
LL Defl -0.13" in G -F L/999
Shear // Grain in B -I 0.29

Plates for each ply each face.
PLATING CONFORMS TO TPIC 2011
CSA STANDARD 086-09, ENG
DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA
PLATES MANUFACTURED BY
MITEK CANADA INC.
RM20 = MT20 or FT20

MT8H = MT18HS
MT16 = MII16
Plate - RM20 20 Ga, Net Area
Plate - MT8H 18 Ga, Net Area
Plate - RL05 18 Ga, Net Area
Plate - MT16 16 Ga, Net Area
Jt Type Plt Size X Y JSI
K RM20 4.0x 8.0-1.2-1.6 0.78
B RM20 5.0x 7.0 1.9-3.8 0.80
I RM20 3.0x 4.0 Ctr Ctr 0.51
S3 RM20 3.0x 4.0 Ctr Ctr 0.73
J RM20 2.0x 3.0 Ctr Ctr 0.47
C RM20 5.0x 7.0-1.9-3.8 0.80
M RM20 4.0x 8.0 1.2-1.6 0.78
L RM20 2.0x 4.0 Ctr Ctr 0.83
H RM20 4.0x 4.0-1.6 0.5 0.68
S1 RM20 3.0x 5.0 Ctr Ctr 0.53
G RM20 4.0x 5.0-0.5 Ctr 0.74
F RM20 4.0x 7.0 0.8 Ctr 0.73

S2 RM20 3.0x 5.0 Ctr Ctr 0.52
E RM20 4.0x 4.0 1.6 0.5 0.68
N RM20 2.0x 4.0 Ctr Ctr 0.83

Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth
shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

NOTES:
Trusses Manufactured by:
NEWCO PREFAB CORP LTD
Analysis Conforms To:
TPIC-RES , Standard Formula
NBCC2010

OH Loading
Design Roof Snow Load Use:
Ground Snow Load = 27.1 psf
Rain Load = 8.4 psf
Non-slippery Roof
Importance Factor 1.00
Exposed to Wind Factor 1.00
Balanced Load Factor 0.55
Unbalanced Load Factor 0.00

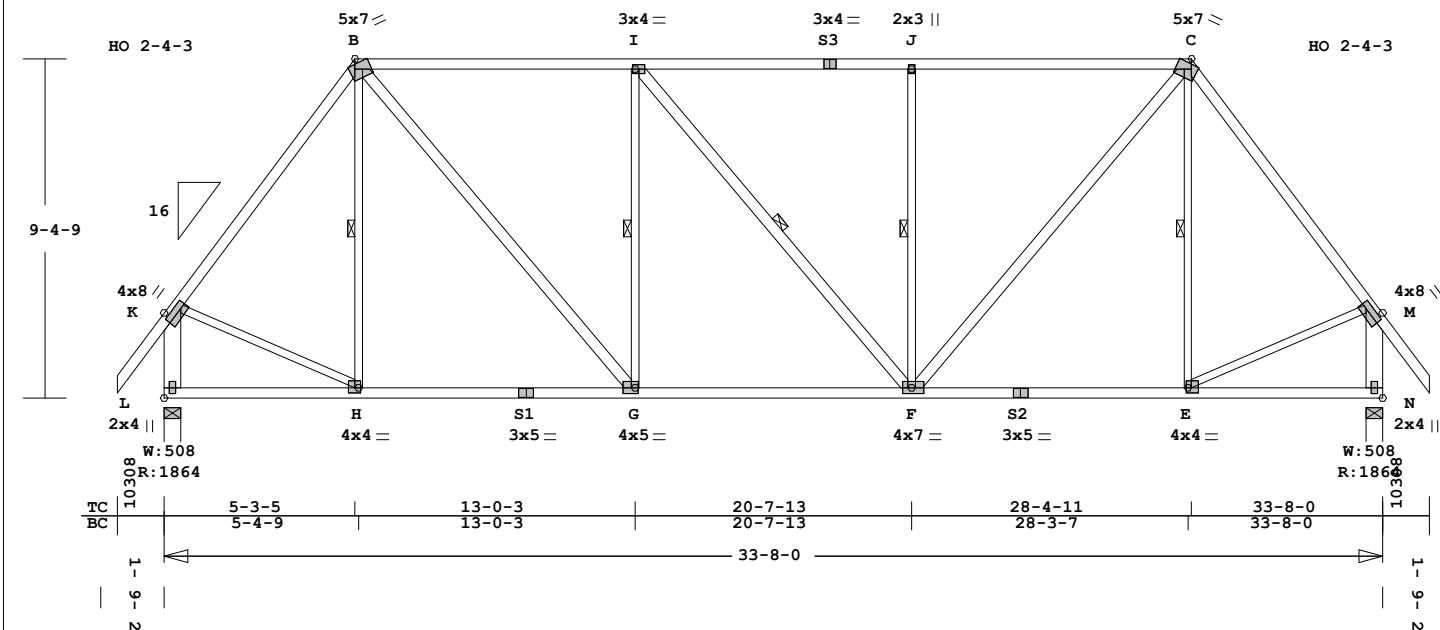
FABRICATOR NOTES:
1. MITEK CANADA INC. IS
RESPONSIBLE ONLY FOR THE
STRUCTURAL ADEQUACY OF THIS
COMPONENT BASED ON DESIGN
CRITERIA AND LOADS SHOWN.
IT IS THE RESPONSIBILITY OF
OTHERS TO VERIFY COMPONENT
SUITABILITY AND DIMENSIONS.
2. DESIGN CONFORMS TO PART 9
OBC, 2012.

PEO
Certificate No. 100129376



November 30, 2016

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
41-5-B-Cnr	T1D	1	SHPS	330800	16	1- 3- 8	1- 3- 8	J1262749



ALL PLATES ARE RM2020

Scale: 0.189" = 1'

Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

CSI -Size- ---Lumber---
TC 0.71 2x 4 SPF-#2
BC 0.43 2x 4 SPF-#2
WB 0.21 2x 3 SPF-#2
-- 0.02 2x 6 SPF-#2
L -K N -M
-- 0.18 2x 4 SPF-#2
B -G I -F F -C

Importance Category : Normal
Condition at Manufacture : Dry
Treatment : Untreated
Service Condition : Dry

Brace truss as follows:
O.C. From To
TC Cont. 0-0-0 33-8-0
or 48.0" 0-0-0 33-8-0
BC 120.0" 0-0-0 33-8-0
One Continuous Lateral Brace
H -B G -I I -F F -J
E -C
All braces 1x4"

psf-Ld Dead Live Snow
TC 3.0 0.0 23.3
BC 7.0 10.0 0.0
TC+BC 10.0 10.0 23.3
Total 43.3 Spacing 24.0"
TC Fb=1.10 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Unfactored Reactions (Lbs)
Jt -DL- -LL- -SL-
L 344D 337D 844D
N 344D 337D 844D

TL Factored Reactions (Lbs)
Jt Down Uplift Horiz-
L 1865
N 1865

Jt Brg Size Required
L 5.5" 5.5"
N 5.5" 5.5"
Bearing plates
Brg plate is SPF or better
Truss shall be placed 3 in.
or more away from any splice
in bearing plate

Maximum Downward Loadcase
LC# 1 Snow Loading
Plf TC Beg End From To
Dist Dead 6 6 0.0 33.7
Dist Snow 47 47 0.0 33.7
Plf BC Beg End From To
Dist Dead 14 14 0.0 33.7
Dist Live 20 20 0.0 33.7

Membr CSI P Lbs M@1st M@2nd
-----Top Chords-----

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 318.3 LBS

K -K 0.01 7 T 0 -24
K -B 0.42 1405 C -24 0
B -I 0.71 1569 C 0 -5441
I -S3 0.67 1569 C -5441 229
S3-J 0.64 1569 C 229 -5395
J -C 0.71 1568 C -5395 0
C -M 0.42 1406 C 0 -24
M -M 0.01 7 T -24 0

-----Bottom Chords-----
L -H 0.20 0 T -8 -1362
H -S1 0.29 837 T -1362 789
S1-G 0.32 837 T 789 -1605
G -F 0.43 1570 T -1605 -1553
F -S2 0.31 837 T -1553 814
S2-E 0.29 837 T 814 -1376
E -N 0.21 0 T -1376 -8

-----Webs-----
L -K 0.02 1809 C
K -H 0.21 917 T
H -B 0.01 173 C 1 Br
B -G 0.18 1126 T
G -I 0.14 642 C 1 Br
I -F 0.00 1 C 1 Br
F -J 0.14 642 C 1 Br
J -C 0.18 1125 T
C -E 0.01 173 C 1 Br
E -M 0.21 917 T
M -N 0.02 1809 C

TL Defl -0.16" in G -F L/999
TL Panel -0.40" in J -C L/230
(Note - TL = 1.33LL + DL)
LL Defl -0.11" in G -F L/999
Shear // Grain in B -I 0.27

Plates for each ply each face.
PLATING CONFORMS TO TPIC 2011
CSA STANDARD 086-09, ENG
DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA
PLATES MANUFACTURED BY
MITEK CANADA INC.
RM20 = MT20 or FT20
MT8H = MT18HS
MT16 = MII16
Plate - RM20 20 Ga, Net Area
Plate - MT8H 18 Ga, Net Area
Plate - RL05 18 Ga, Net Area
Plate - MT16 16 Ga, Net Area

Jt Type Plt Size X Y JSI
K RM20 4.0x 8.0-1.2-1.6 0.74
B RM20 5.0x 7.0 1.9-3.8 0.74
I RM20 3.0x 4.0 Ctr Ctr 0.51
S3 RM20 3.0x 4.0 Ctr Ctr 0.56
J RM20 2.0x 3.0 Ctr Ctr 0.47
C RM20 5.0x 7.0-1.9-3.8 0.74
M RM20 4.0x 8.0 1.2-1.6 0.74
L RM20 2.0x 4.0 Ctr Ctr 0.82
H RM20 4.0x 4.0-1.4 0.3 0.73
S1 RM20 3.0x 5.0 Ctr Ctr 0.55
G RM20 4.0x 5.0-0.2 Ctr 0.70
F RM20 4.0x 7.0 0.5 Ctr 0.70
S2 RM20 3.0x 5.0 Ctr Ctr 0.55
E RM20 4.0x 4.0 1.4 0.3 0.73
N RM20 2.0x 4.0 Ctr Ctr 0.82

Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth
shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

NOTES:
Trusses Manufactured by:
NEWCO PREFAB CORP LTD
Analysis Conforms To:
TPIC-RES , Standard Formula
NBCC2010
OH Loading
Design Roof Snow Load Use:
Ground Snow Load = 27.1 psf
Rain Load = 8.4 psf
Non-slippery Roof
Importance Factor 1.00
Exposed to Wind Factor 1.00
Balanced Load Factor 0.55
Unbalanced Load Factor 0.00

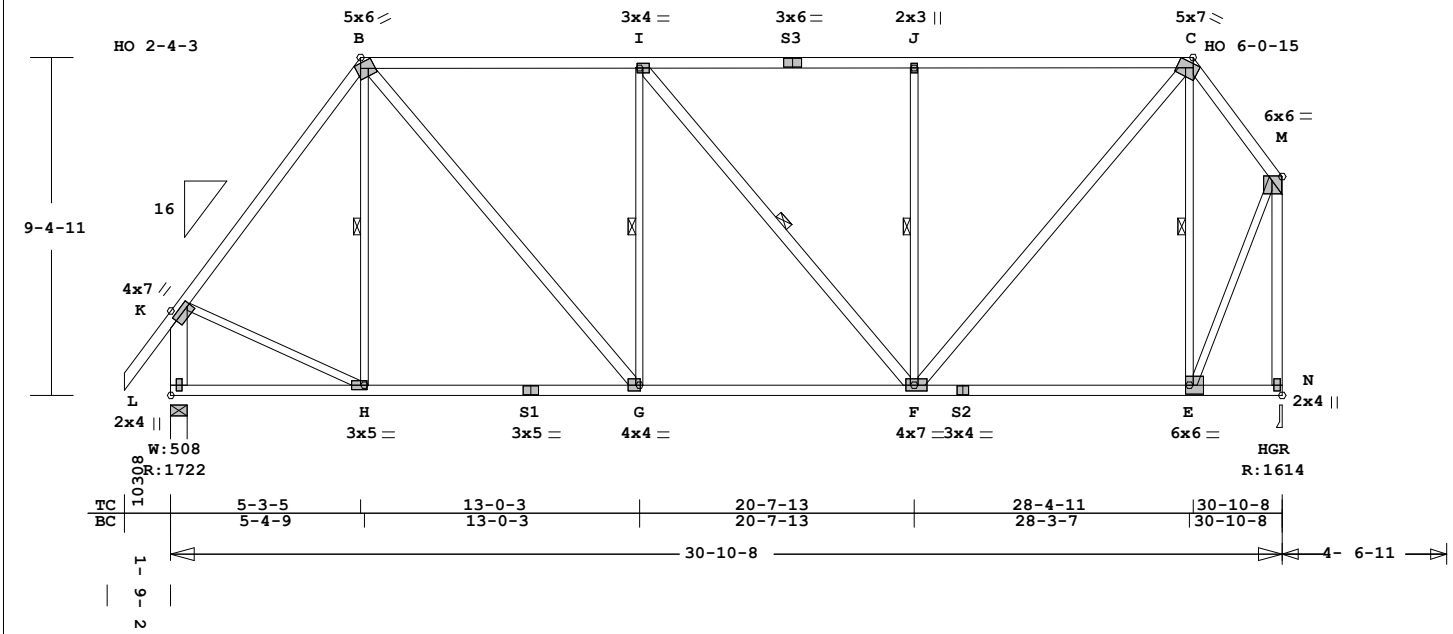
FABRICATOR NOTES:
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2. DESIGN CONFORMS TO PART 9
OBC, 2012.

PEO
Certificate No. 100129376



November 30, 2016

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
41-5-B-Cnr	T1D1	1	SHPS	301008	16	1- 3- 8	0	J1262750



ALL PLATES ARE RM2020

Scale: 0.188" = 1'

Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

CSI -Size- ---Lumber---
TC 0.69 2x 4 SPF-#2
BC 0.40 2x 4 SPF-#2
WB 0.53 2x 4 SPF-#2
-- 0.02 2x 6 SPF-#2
L -K
-- 0.24 2x 3 SPF-#2
K -H H -B G -I F -J
E -C E -M

Importance Category : Normal
Condition at Manufacture : Dry
Treatment : Untreated
Service Condition : Dry

Brace truss as follows:
O.C. From To
TC Cont. 0-0-0 30-10-8
or 48.0" 0-0-0 30-10-8
BC 120.0" 0-0-0 30-10-8
One Continuous Lateral Brace
H -B G -I I -F F -J
E -C
All braces 1x4"

psf-Ld Dead Live Snow
TC 3.0 0.0 23.3
BC 7.0 10.0 0.0
TC+BC 10.0 10.0 23.3
Total 43.3 Spacing 24.0"
TC Fb=1.10 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Unfactored Reactions (Lbs)
Jt -DL- -LL- -SL-
L 317D 310D 781D
N 308D 308D 717D

TL Factored Reactions (Lbs)
Jt Down Uplift Horiz-
L 1723
N 1614

Jt Brg Size Required
L 5.5" 5.5"
N 3.5" 3.5"

Bearing plates
Brg plate is SPF or better
Truss shall be placed 3 in.
or more away from any splice
in bearing plate

Maximum Downward Loadcase
LC# 1 Snow Loading
Plf TC Beg End From To
Dist Dead 6 6 0.0 30.9
Dist Snow 47 47 0.0 30.9
Plf BC Beg End From To
Dist Dead 14 14 0.0 30.9
Dist Live 20 20 0.0 30.9

Membr CSI P Lbs M@1st M@2nd

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 305.0 LBS

-----Top Chords-----
K -K 0.01 7 T 0 -24
K -B 0.40 1272 C -24 0
B -I 0.69 1369 C 0 -5449
I -S3 0.64 1250 C -5449 1250
S3-J 0.64 1250 C 1250 -5401
J -C 0.68 1249 C -5401 0
C -M 0.08 678 C 0 -9
-----Bottom Chords-----
L -H 0.20 0 T -8 -1361
H -S1 0.28 758 T -1361 793
S1-G 0.30 758 T 793 -1599
G -F 0.40 1370 T -1599 -1590
F -S2 0.24 393 T -1590 -124
S2-E 0.20 393 T -124 -1213
E -N 0.18 0 T -1213 -3
-----Webs-----
L -K 0.02 1667 C
K -H 0.19 830 T
H -B 0.01 138 C 1 Br
B -G 0.15 941 T
G -I 0.09 502 C 1 Br
I -F 0.02 186 C 1 Br
F -J 0.14 644 C 1 Br
J -C 0.21 1317 T
C -E 0.21 794 C 1 Br
E -M 0.24 1050 T
N -M 0.53 1617 C

TL Defl -0.15" in G -F L/999
TL Panel -0.40" in J -C L/231
(Note - TL = 1.33LL + DL)
LL Defl -0.10" in G -F L/999
Shear // Grain in B -I 0.27

Plates for each ply each face.
PLATING CONFORMS TO TPIC 2011
CSA STANDARD 086-09, ENG
DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA

PLATES MANUFACTURED BY
MITEK CANADA INC.
RM20 = MT20 or FT20
MT8H = MT18HS
MT16 = MII16
Plate - RM20 20 Ga, Net Area
Plate - MT8H 18 Ga, Net Area
Plate - RL05 18 Ga, Net Area
Plate - MT16 16 Ga, Net Area
Jt Type Plt Size X Y JSI
K RM20 4.0x 7.0-1.3-2.1 0.67
B RM20 5.0x 6.0 1.6-3.8 0.69
I RM20 3.0x 4.0 Ctr Ctr 0.51
S3 RM20 3.0x 6.0 Ctr Ctr 0.54
J RM20 2.0x 3.0 Ctr Ctr 0.47
C RM20 5.0x 7.0-1.9-3.8 0.86
M RM20 6.0x 6.0 0.2-1.5 0.75
L RM20 2.0x 4.0 Ctr Ctr 0.75
H RM20 3.0x 5.0-0.5 Ctr 0.66
S1 RM20 3.0x 5.0 Ctr Ctr 0.52
G RM20 4.0x 4.0-0.5 Ctr 0.65
F RM20 4.0x 7.0 0.8 Ctr 0.77
S2 RM20 3.0x 4.0 Ctr Ctr 0.39
E RM20 6.0x 6.0 0.5 Ctr 0.72
N RM20 2.0x 4.0 Ctr Ctr 0.73

Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth
shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

NOTES:
Trusses Manufactured by:
NEWCO PREFAB CORP LTD
Analysis Conforms To:
TPIC-RES , Standard Formula
NBCC2010
OH Loading
Design Roof Snow Load Use:
Ground Snow Load = 27.1 psf
Rain Load = 8.4 psf
Non-slippery Roof
Importance Factor 1.00
Exposed to Wind Factor 1.00
Balanced Load Factor 0.55
Unbalanced Load Factor 0.00

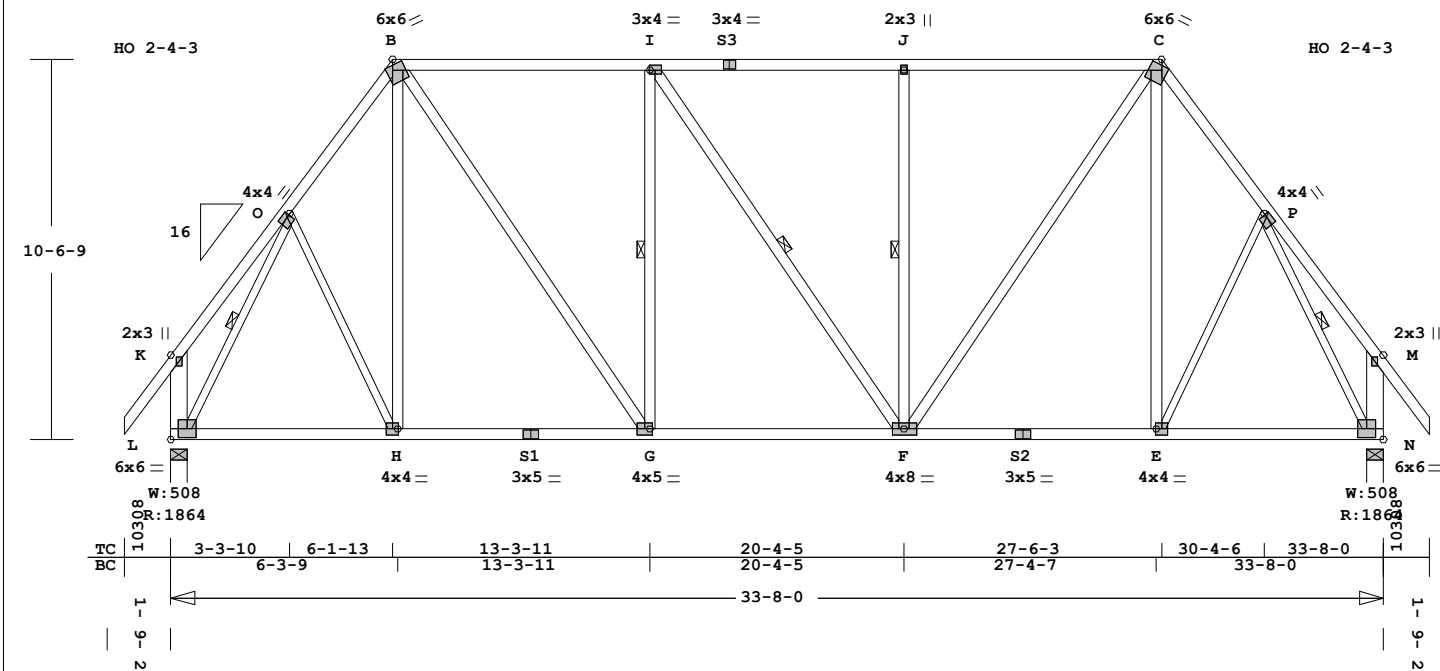
FABRICATOR NOTES:
1. MITEK CANADA INC. IS
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IT IS THE RESPONSIBILITY OF
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SUITABILITY AND DIMENSIONS.
2. DESIGN CONFORMS TO PART 9
OBC, 2012.

PEO
Certificate No. 100129376



November 30, 2016

Job 41-5-B-Cnr	Mark T1E	Quan 2	Type SHPS	Span 330800	P1-H1 16	Left OH 1- 3- 8	Right OH 1- 3- 8	Engineering J1262751
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ALL PLATES ARE RM2020

Scale: 0.188" = 1'

Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

CSI -Size- ----Lumber-----
TC 0.59 2x 4 SPF-#2
BC 0.37 2x 4 SPF-#2
WB 0.31 2x 3 SPF-#2
-- 0.00 2x 6 SPF-#2
L -K N -M
-- 0.15 2x 4 SPF-#2
H -B B -G G -I I -F
F -J F -C E -C

Importance Category : Normal
Condition at Manufacture : Dry
Treatment : Untreated
Service Condition : Dry

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 33- 8- 0
or 48.0" 0- 0- 0 33- 8- 0
BC 120.0" 0- 0- 0 33- 8- 0
One Continuous Lateral Brace
L -O G -I I -F F -J
P -N
All braces 1x4"

psf-Ld Dead Live Snow
TC 3.0 0.0 23.3
BC 7.0 10.0 0.0
TC+BC 10.0 10.0 23.3
Total 43.3 Spacing 24.0"
TC Fb=1.10 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Unfactored Reactions (Lbs)
Jt -DL- -LL- -SL-
L 344D 337D 844D
N 344D 337D 844D

TL Factored Reactions (Lbs)
Jt Down Uplift Horiz-
L 1865
N 1865

Jt Brg Size Required
L 5.5" 5.5"
N 5.5" 5.5"

Bearing plates
Brg plate is SPF or better
Truss shall be placed 3 in.
or more away from any splice
in bearing plate

Maximum Downward Loadcase
LC# 1 Snow Loading
Plf TC Beg End From To
Dist Dead 6 6 0.0 33.7
Dist Snow 47 47 0.0 33.7
Plf BC Beg End From To
Dist Dead 14 14 0.0 33.7
Dist Live 20 20 0.0 33.7

Membr CSI P Lbs M@1st M@2nd
-----Top Chords-----
K -K 0.05 87 T 0 -299
K -O 0.10 9 T -299 -733
O -B 0.12 1427 C -733 0
B -I 0.59 1391 C 0 -4647
I -S3 0.55 1390 C -4647 329
S3-J 0.56 1390 C 329 -4607
J -C 0.59 1390 C -4607 0
C -P 0.12 1428 C 0 -733
P -M 0.10 9 T -733 -299
M -M 0.05 87 T -299 0

-----Bottom Chords-----
L -H 0.28 758 T -8 -1363
H -S1 0.29 839 T -1363 678
S1-G 0.29 839 T 678 -1322
G -F 0.37 1391 T -1322 -1278
F -S2 0.28 839 T -1278 696
S2-E 0.29 839 T 696 -1375
E -N 0.28 758 T -1375 -8

-----Webs-----
L -K 0.00 224 C
L -O 0.31 1742 C 1 Br
O -H 0.04 191 T
H -B 0.00 25 T
B -G 0.15 961 T
G -I 0.11 593 C 1 Br
I -F 0.00 1 C 1 Br
F -J 0.11 593 C 1 Br
J -C 0.15 959 T
E -C 0.00 26 T
E -P 0.04 191 T
P -N 0.31 1742 C 1 Br
N -M 0.00 224 C

TL Defl -0.15" in G -F L/999
TL Panel -0.29" in J -C L/292
(Note - TL = 1.33LL + DL)
LL Defl -0.10" in G -F L/999
Shear // Grain in B -I 0.25

Plates for each ply each face.
PLATING CONFORMS TO TPIC 2011
CSA STANDARD 086-09, ENG

DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA
PLATES MANUFACTURED BY
MITEK CANADA INC.
RM20 = MT20 or FT20
MT8H = MT18HS
MT16 = MT16

Plate - RM20 20 Ga, Net Area
Plate - MT8H 18 Ga, Net Area
Plate - RL05 18 Ga, Net Area
Plate - MT16 16 Ga, Net Area
Jt Type Plt Size X Y JSI
K RM20 2.0x 3.0 Ctr Ctr 0.46
O RM20 4.0x 4.0-1.1-2.2 0.79
B RM20 6.0x 6.0 1.7-4.5 0.71
I RM20 3.0x 4.0 Ctr Ctr 0.52
S3 RM20 3.0x 4.0 Ctr Ctr 0.56
J RM20 2.0x 3.0 Ctr Ctr 0.47
C RM20 6.0x 6.0-1.7-4.5 0.71
P RM20 4.0x 4.0 1.1-2.2 0.70
M RM20 2.0x 3.0 Ctr Ctr 0.46
L RM20 6.0x 6.0 Ctr Ctr 0.63
H RM20 4.0x 4.0 Ctr Ctr 0.44
S1 RM20 3.0x 5.0 Ctr Ctr 0.51
G RM20 4.0x 5.0 Ctr Ctr 0.69
F RM20 4.0x 8.0 0.2 Ctr 0.69
S2 RM20 3.0x 5.0 Ctr Ctr 0.51
E RM20 4.0x 4.0 Ctr Ctr 0.44
N RM20 6.0x 6.0 Ctr Ctr 0.63

Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth
shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

NOTES:
Trusses Manufactured by:
NEWCO PREFAB CORP LTD
Analysis Conforms To:
TPIC-RES , Standard Formula
NBCC2010

OH Loading
Design Roof Snow Load Use:
Ground Snow Load = 27.1 psf
Rain Load = 8.4 psf
Non-slippery Roof
Importance Factor 1.00
Exposed to Wind Factor 1.00
Balanced Load Factor 0.55
Unbalanced Load Factor 0.00
FABRICATOR NOTES:
1. MITEK CANADA INC. IS

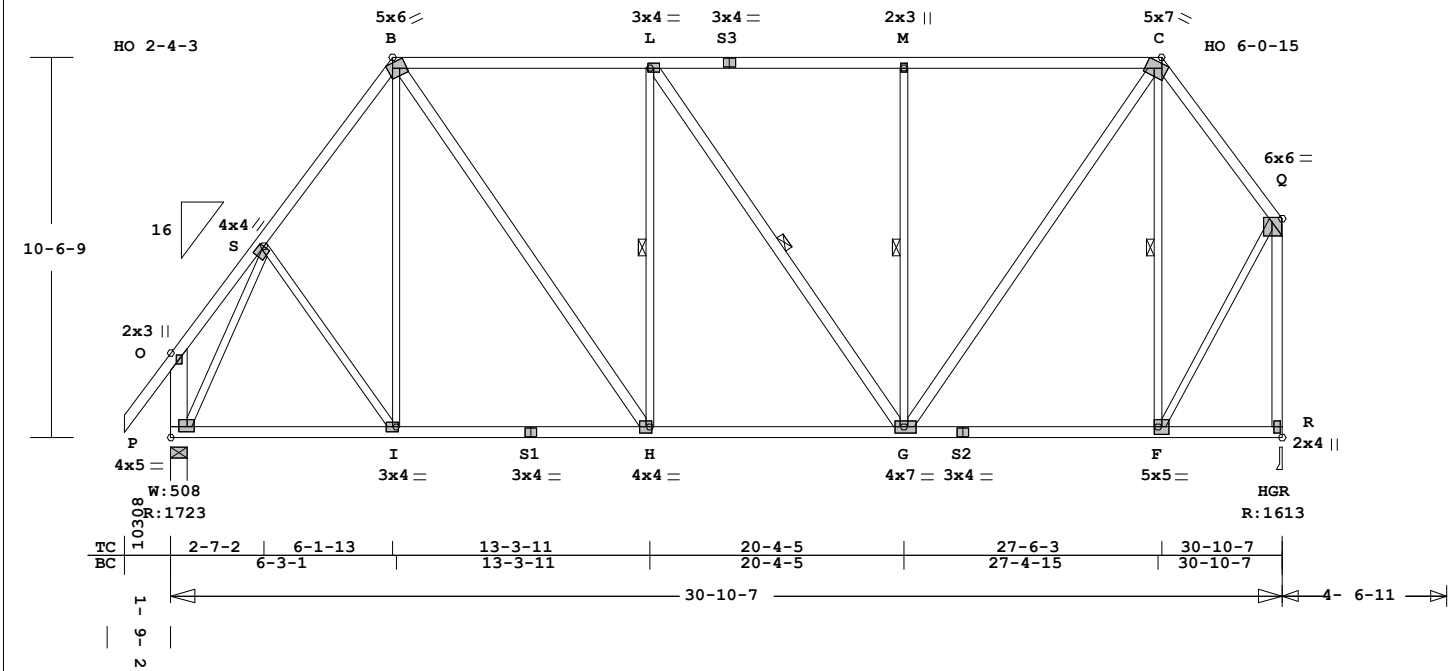
RESPONSIBLE ONLY FOR THE
STRUCTURAL ADEQUACY OF THIS
COMPONENT BASED ON DESIGN
CRITERIA AND LOADS SHOWN.
IT IS THE RESPONSIBILITY OF
OTHERS TO VERIFY COMPONENT
SUITABILITY AND DIMENSIONS.
2. DESIGN CONFORMS TO PART 9
OBC, 2012.

PEO
Certificate No. 100129376



November 30, 2016

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
41-5-B-Cnr	T1E1	1	SHPS	301007	16	1- 3- 8	0	J1262752



ALL PLATES ARE RM2020

Scale: 0.188" = 1'

Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

CSI -Size- ---Lumber---
TC 0.58 2x 4 SPF-#2
BC 0.35 2x 4 SPF-#2
WB 0.76 2x 3 SPF-#2
-- 0.00 2x 6 SPF-#2
P -O
-- 0.51 2x 4 SPF-#2
B -H L -G G -C R -Q

Importance Category : Normal
Condition at Manufacture : Dry
Treatment : Untreated
Service Condition : Dry

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 30-10- 7
or 48.0" 0- 0- 0 30-10- 7
BC 120.0" 0- 0- 0 30-10- 7
One Continuous Lateral Brace
H -L L -G G -M F -C
All braces 1x4"

psf-Ld Dead Live Snow
TC 3.0 0.0 23.3
BC 7.0 10.0 0.0
TC+BC 10.0 10.0 23.3
Total 43.3 Spacing 24.0"
TC Fb=1.10 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Unfactored Reactions (Lbs)
Jt -DL- -LL- -SL-
P 317D 310D 781D
R 308D 308D 716D

TL Factored Reactions (Lbs)
Jt Down Uplift Horiz-
P 1723
R 1613

Jt Brg Size Required
P 5.5" 5.5"
R 3.5" 3.5"

Bearing plates
Brg plate is SPF or better
Truss shall be placed 3 in.
or more away from any splice
in bearing plate

Maximum Downward Loadcase
LC# 1 Snow Loading
Plf TC Beg End From To
Dist Dead 6 6 0.0 30.9
Dist Snow 47 47 0.0 30.9
Plf BC Beg End From To
Dist Dead 14 14 0.0 30.9
Dist Live 20 20 0.0 30.9

Membr CSI P Lbs M@1st M@2nd
-----Top Chords-----

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 328.2 LBS

O -O 0.05 87 T 0 -299
O -S 0.11 16 T -299 -877
S -B 0.15 1286 C -877 0
B -L 0.58 1210 C 0 -4658
L -S3 0.54 1113 C -4658 324
S3-M 0.54 1113 C 324 -4598
M -C 0.56 1113 C -4598 0
C -Q 0.15 781 C 0 -9

-----Bottom Chords-----
P -I 0.26 639 T -8 -1373
I -S1 0.28 757 T -1373 697
S1-H 0.27 757 T 697 -1321
H -G 0.35 1211 T -1321 -1349
G -S2 0.23 458 T -1349 183
S2-F 0.19 458 T 183 -1056
F -R 0.16 0 T -1056 -3

-----Webs-----
P -O 0.00 188 C
P -S 0.76 1597 C
S -I 0.05 210 T
I -B 0.01 24 T
B -H 0.13 790 T
H -L 0.13 454 C 1 Br
L -G 0.02 172 C 1 Br
G -M 0.22 594 C 1 Br
M -C 0.18 1141 T
F -C 0.27 661 C 1 Br
F -Q 0.21 948 T
R -Q 0.51 1590 C

TL Defl -0.12" in H -G L/999
TL Panel -0.29" in M -C L/291
(Note - TL = 1.33LL + DL)
LL Defl -0.09" in H -G L/999
Shear // Grain in B -L 0.25

Plates for each ply each face.
PLATING CONFORMS TO TPIC 2011
CSA STANDARD 086-09, ENG
DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA
PLATES MANUFACTURED BY
MITEK CANADA INC.

RM20 = MT20 or FT20
MT8H = MT18HS
MT16 = MT116
Plate - RM20 20 Ga, Net Area
Plate - MT8H 18 Ga, Net Area
Plate - RL05 18 Ga, Net Area
Plate - MT16 16 Ga, Net Area
Jt Type Plt Size X Y JSI
O RM20 2.0x 3.0 Ctr Ctr 0.46
S RM20 4.0x 4.0 Ctr Ctr 0.68
B RM20 5.0x 6.0 Ctr Ctr 0.63
L RM20 3.0x 4.0 Ctr Ctr 0.52
S3 RM20 3.0x 4.0 Ctr Ctr 0.49
M RM20 2.0x 3.0 Ctr Ctr 0.47
C RM20 5.0x 7.0 Ctr Ctr 0.82
F RM20 6.0x 6.0 Ctr Ctr 0.73
Q RM20 4.0x 5.0 Ctr Ctr 0.57
I RM20 3.0x 4.0 Ctr Ctr 0.70
S1 RM20 3.0x 4.0 Ctr Ctr 0.70
H RM20 4.0x 4.0 Ctr Ctr 0.63
G RM20 4.0x 7.0 Ctr Ctr 0.76

S2 RM20 3.0x 4.0 Ctr Ctr 0.39
F RM20 5.0x 5.0 Ctr Ctr 0.69
R RM20 2.0x 4.0 Ctr Ctr 0.72

Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth
shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

NOTES:
Trusses Manufactured by:
NEWCO PREFAB CORP LTD
Analysis Conforms To:
TPIC-RES , Standard Formula
NBCC2010

OH Loading
Design Roof Snow Load Use:
Ground Snow Load = 27.1 psf
Rain Load = 8.4 psf
Non-slippery Roof
Importance Factor 1.00
Exposed to Wind Factor 1.00
Balanced Load Factor 0.55
Unbalanced Load Factor 0.00

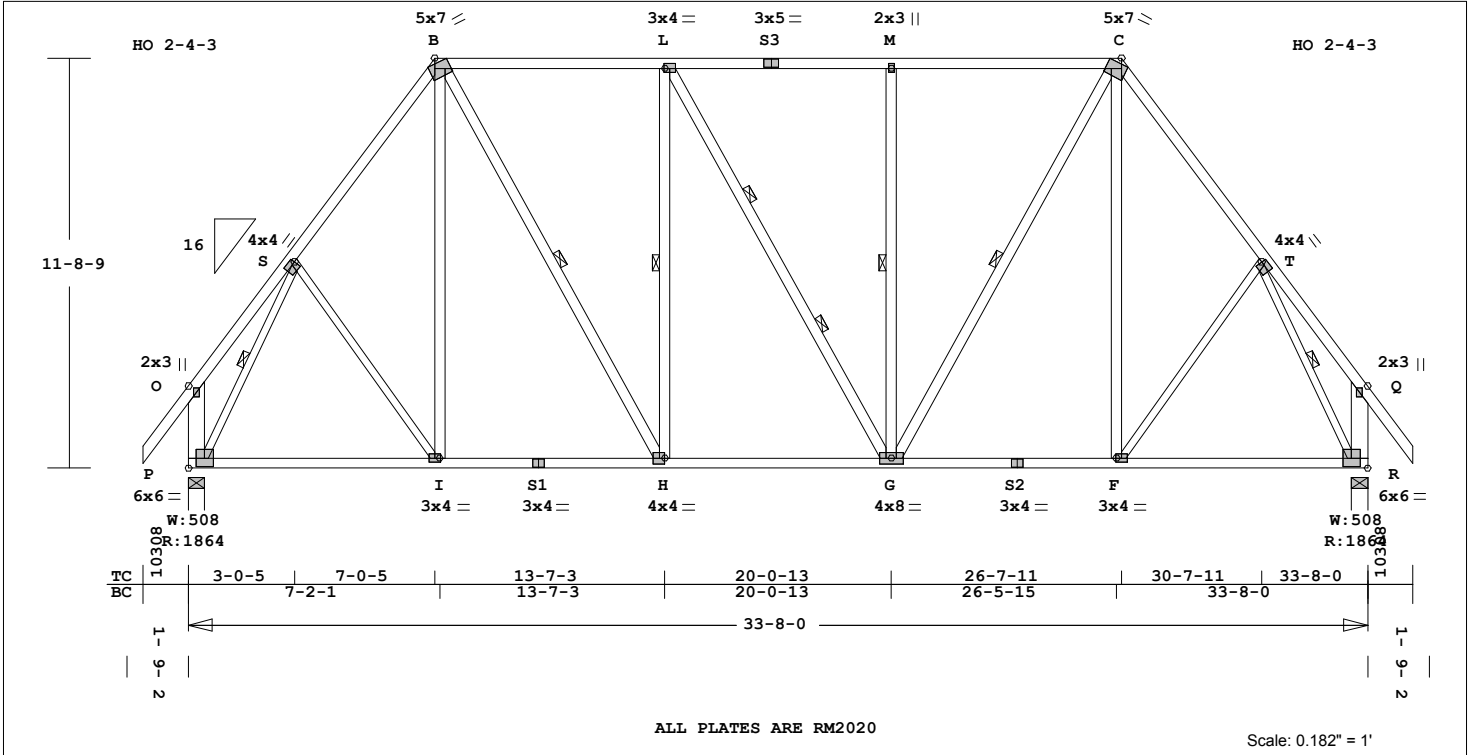
FABRICATOR NOTES:
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RESPONSIBLE ONLY FOR THE
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COMPONENT BASED ON DESIGN
CRITERIA AND LOADS SHOWN.
IT IS THE RESPONSIBILITY OF
OTHERS TO VERIFY COMPONENT
SUITABILITY AND DIMENSIONS.
2. DESIGN CONFORMS TO PART 9
OBC, 2012.

PEO
Certificate No. 100129376



November 30, 2016

Job 41-5-B-Cnr	Mark T1F	Quan 1	Type SHPS	Span 330800	P1-H1 16	Left OH 1- 3- 8	Right OH 1- 3- 8	Engineering J1262753
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Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

CSI -Size- ---Lumber---
TC 0.49 2x 4 SPF-#2
BC 0.32 2x 4 SPF-#2
WB 0.25 2x 3 SPF-#2
-- 0.00 2x 6 SPF-#2
P -O R -Q
-- 0.16 2x 4 SPF-#2
I -B B -H H -L L -G
G -M G -C F -C

Importance Category : Normal
Condition at Manufacture : Dry
Treatment : Untreated
Service Condition : Dry

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 33- 8- 0
or 48.0" 0- 0- 0 33- 8- 0
BC 120.0" 0- 0- 0 33- 8- 0
One Continuous Lateral Brace
P -S B -H H -L G -M
G -C T -R
Two Continuous Lateral Braces
L -G
All braces 1x4"

psf-Ld Dead Live Snow
TC 3.0 0.0 23.3
BC 7.0 10.0 0.0
TC+BC 10.0 10.0 23.3
Total 43.3 Spacing 24.0"
TC Fb=1.10 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Unfactored Reactions (Lbs)
Jt -DL- -LL- -SL-
P 344D 337D 844D
R 344D 337D 844D

TL Factored Reactions (Lbs)
Jt Down Uplift Horiz-
P 1865
R 1865

Jt Brg Size Required
P 5.5" 5.5"
R 5.5" 5.5"

Bearing plates
Brg plate is SPF or better
Truss shall be placed 3 in.

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 391.5 LBS
or more away from any splice
in bearing plate

Maximum Downward Loadcase
LC# 1 Snow Loading
Plf TC Beg End From To
Dist Dead 6 6 0.0 33.7
Dist Snow 47 47 0.0 33.7
Plf BC Beg End From To
Dist Dead 14 14 0.0 33.7
Dist Live 20 20 0.0 33.7

Membr CSI P Lbs M@1st M@2nd
-----Top Chords-----
O -O 0.05 87 T 0 -299
O -S 0.15 21 T -299 -1205
S -B 0.19 1422 C -1205 0
B -L 0.49 1250 C 0 -3915
L -S3 0.46 1250 C -3915 944
S3-M 0.46 1250 C 944 -3866
M -C 0.48 1250 C -3866 0
C -T 0.19 1422 C 0 -1205
T -Q 0.15 21 T -1205 -299
Q -R 0.05 87 T -299 0
-----Bottom Chords-----
P -I 0.29 738 T -8 -1530
I -S1 0.31 837 T -1530 363
S1-H 0.25 837 T 363 -1042
H -G 0.32 1251 T -1042 -989
G -S2 0.25 837 T -989 380
S2-F 0.31 837 T 380 -1542
F -R 0.29 738 T -1542 -8

-----Webs-----
P -O 0.00 198 C
P -S 0.25 1746 C 1 Br
S -I 0.04 172 T
I -B 0.01 66 T
B -H 0.13 826 T 1 Br
H -L 0.16 544 C 1 Br
L -G 0.00 1 C 2 Br
G -M 0.16 543 C 1 Br
G -C 0.13 824 T 1 Br
F -C 0.01 67 T
F -T 0.04 172 T
T -R 0.25 1746 C 1 Br
R -Q 0.00 198 C

TL Defl -0.13" in H -G L/999
TL Panel -0.21" in M -C L/374
(Note - TL = 1.33LL + DL)
LL Defl -0.09" in H -G L/999
Shear // Grain in B -L 0.23

Plates for each ply each face.

PLATING CONFORMS TO TPIC 2011
CSA STANDARD C86-09, ENG
DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA
PLATES MANUFACTURED BY
MITEK CANADA INC.

RM20 = MT20 or FT20
MT8H = MT18HS
MT16 = MT116
Plate - RM20 20 Ga, Net Area
Plate - MT8H 18 Ga, Net Area
Plate - RL05 18 Ga, Net Area
Plate - MT16 16 Ga, Net Area
Jt Type Plt Size X Y JSI
O RM20 2.0x 3.0 Ctr Ctr 0.46
S RM20 4.0x 4.0-0.9-1.8 0.71
B RM20 5.0x 7.0 2.0-3.9 0.86
L RM20 3.0x 4.0 Ctr Ctr 0.53
S3 RM20 3.0x 5.0 Ctr Ctr 0.59
M RM20 2.0x 3.0 Ctr Ctr 0.47
C RM20 5.0x 7.0-2.0-3.9 0.86
T RM20 4.0x 4.0 0.9-1.8 0.71
Q RM20 2.0x 3.0 Ctr Ctr 0.46
P RM20 6.0x 6.0 Ctr Ctr 0.64
I RM20 3.0x 4.0 Ctr Ctr 0.56
S1 RM20 3.0x 4.0 Ctr Ctr 0.55
H RM20 4.0x 4.0-0.2 Ctr 0.68
G RM20 4.0x 8.0 Ctr Ctr 0.68
S2 RM20 3.0x 4.0 Ctr Ctr 0.55
F RM20 3.0x 4.0 Ctr Ctr 0.56
R RM20 6.0x 6.0 Ctr Ctr 0.64

Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth
shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

NOTES:
Trusses Manufactured by:
NEWCO PREFAB CORP LTD
Analysis Conforms To:
TPIC-RES , Standard Formula
NBCC2010
OH Loading
Design Roof Snow Load Use:
Ground Snow Load = 27.1 psf
Rain Load = 8.4 psf
Non-slippery Roof
Importance Factor 1.00
Exposed to Wind Factor 1.00
Balanced Load Factor 0.55
Unbalanced Load Factor 0.00

FABRICATOR NOTES:

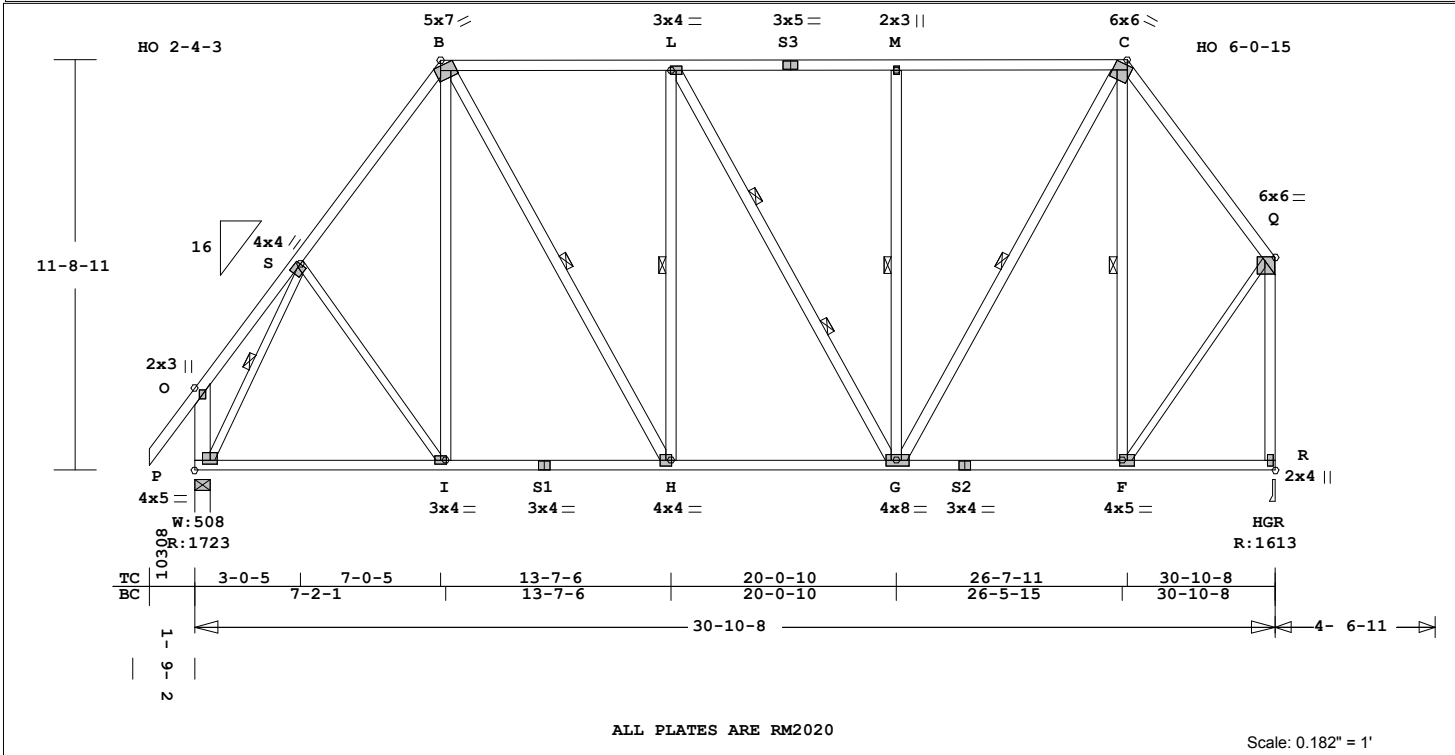
1. MITEK CANADA INC. IS RESPONSIBLE ONLY FOR THE STRUCTURAL ADEQUACY OF THIS COMPONENT BASED ON DESIGN CRITERIA AND LOADS SHOWN. IT IS THE RESPONSIBILITY OF OTHERS TO VERIFY COMPONENT SUITABILITY AND DIMENSIONS.
2. DESIGN CONFORMS TO PART 9 OBC, 2012.

PEO
Certificate No. 100129376



November 30, 2016

Job 41-5-B-Cnr	Mark T1F1	Quan 1	Type SHPS	Span 301008	P1-H1 16	Left OH 1- 3- 8	Right OH 0	Engineering J1262754
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MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 367.5 LBS

Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

in bearing plate

PLATES MANUFACTURED BY

CRITERIA AND LOADS SHOWN.

CSI -Size- ----Lumber----

TC	0.48	2x 4	SPF-#2
BC	0.30	2x 4	SPF-#2
WB	0.49	2x 4	SPF-#2
--	0.00	2x 6	SPF-#2
	P -O		
--	0.20	2x 3	SPF-#2
	P -S	S -I	F -Q

Maximum Downward Loadcase

LC#	1	Snow Loading
Plf	TC	Beg End From To
Dist Dead	6	6 0.0 30.9
Dist Snow	47	47 0.0 30.9
Plf	BC	Beg End From To
Dist Dead	14	14 0.0 30.9
Dist Live	20	20 0.0 30.9

MITEK CANADA INC.
RM20 = MT20 or FT20
MT8H = MT18HS
MT16 = MT116

Plate - RM20 20 Ga, Net Area
Plate - MT8H 18 Ga, Net Area
Plate - RL05 18 Ga, Net Area
Plate - MT16 16 Ga, Net Area

Jt Type Plt Size X Y JSI
O RM20 2.0x 3.0 Ctr Ctr 0.46
S RM20 4.0x 4.0-0.9-1.8 0.65
B RM20 5.0x 7.0 1.9-3.8 0.79
L RM20 3.0x 4.0 Ctr Ctr 0.53
S3 RM20 3.0x 5.0 Ctr Ctr 0.54
M RM20 2.0x 3.0 Ctr Ctr 0.47
C RM20 6.0x 6.0-2.0-4.0 0.67
Q RM20 6.0x 6.0 0.2-1.5 0.73
P RM20 4.0x 5.0-0.2 0.5 0.80
I RM20 3.0x 4.0 Ctr Ctr 0.56
S1 RM20 3.0x 4.0 Ctr Ctr 0.52
H RM20 4.0x 4.0 Ctr Ctr 0.62
G RM20 4.0x 8.0 0.2 Ctr 0.76
S2 RM20 3.0x 4.0 Ctr Ctr 0.41
F RM20 4.0x 5.0 Ctr Ctr 0.77
R RM20 2.0x 4.0 Ctr Ctr 0.71

2. DESIGN CONFORMS TO PART 9
OBC, 2012.

Importance Category : Normal
Condition at Manufacture : Dry
Treatment : Untreated
Service Condition : Dry

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	30-10- 8
or 48.0"	0- 0- 0	30-10- 8
BC 120.0"	0- 0- 0	30-10- 8

One Continuous Lateral Brace

P -S B -H H -L G -M
G -C F -C

Two Continuous Lateral Braces

L -G
All braces 1x4"

psf-Ld	Dead	Live	Snow
TC	3.0	0.0	23.3
BC	7.0	10.0	0.0
TC+BC	10.0	10.0	23.3
Total	43.3	Spacing	24.0"
TC Fb=1.10	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

Unfactored Reactions (Lbs)

Jt	-DL-	-LL-	-SL-
P	317D	310D	781D
R	308D	308D	716D

TL Factored Reactions (Lbs)

Jt	Down	Uplift	Horiz-
P	1724		
R	1613		

Jt Brg Size Required

P	5.5"	5.5"
R	3.5"	3.5"

Bearing plates

Brg plate is SPF or better

Truss shall be placed 3 in.

or more away from any splice

Membr CSI P Lbs M@1st M@2nd

-----Top Chords-----

O -O	0.05	87 T	0 -299
O -S	0.16	21 T	-299 -1220
S -B	0.18	1281 C	-1220 0
B -L	0.48	1085 C	0 -3918
L -S3	0.46	1006 C	-3918 906
S3-M	0.45	1006 C	906 -3864
M -C	0.47	1006 C	-3864 0
C -Q	0.24	858 C	0 -9

-----Bottom Chords-----

P -I	0.28	673 T	-8 -1542
I -S1	0.30	753 T	-1542 380
S1-H	0.23	753 T	380 -1003
H -G	0.30	1085 T	-1003 -1122
G -S2	0.21	505 T	-1122 368
S2-F	0.19	505 T	368 -964
F -R	0.14	0 T	-964 -3

-----Webs-----

P -O	0.00	198 C	
P -S	0.20	1591 C	1 Br
S -I	0.03	138 T	
I -B	0.02	95 T	
B -H	0.11	663 T	1 Br
H -L	0.09	405 C	1 Br
L -G	0.00	161 C	2 Br
G -M	0.16	544 C	1 Br
M -C	0.16	1000 T	1 Br
F -C	0.16	547 C	1 Br
F -Q	0.20	876 T	
R -Q	0.49	1570 C	

TL Defl -0.12" in P -I L/999
TL Panel -0.21" in M -C L/370
(Note - TL = 1.33LL + DL)
LL Defl -0.08" in H -G L/999
Shear // Grain in B -L 0.23

Plates for each ply each face.
PLATING CONFORMS TO TPIC 2011
CSA STANDARD O86-09, ENG
DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA

Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth
shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

NOTES:

Trusses Manufactured by:
NEWCO PREFAB CORP LTD
Analysis Conforms To:
TPIC-RES , Standard Formula
NBCC2010

OH Loading

Design Roof Snow Load Use:
Ground Snow Load = 27.1 psf
Rain Load = 8.4 psf
Non-slippery Roof
Importance Factor 1.00
Exposed to Wind Factor 1.00
Balanced Load Factor 0.55
Unbalanced Load Factor 0.00

FABRICATOR NOTES:

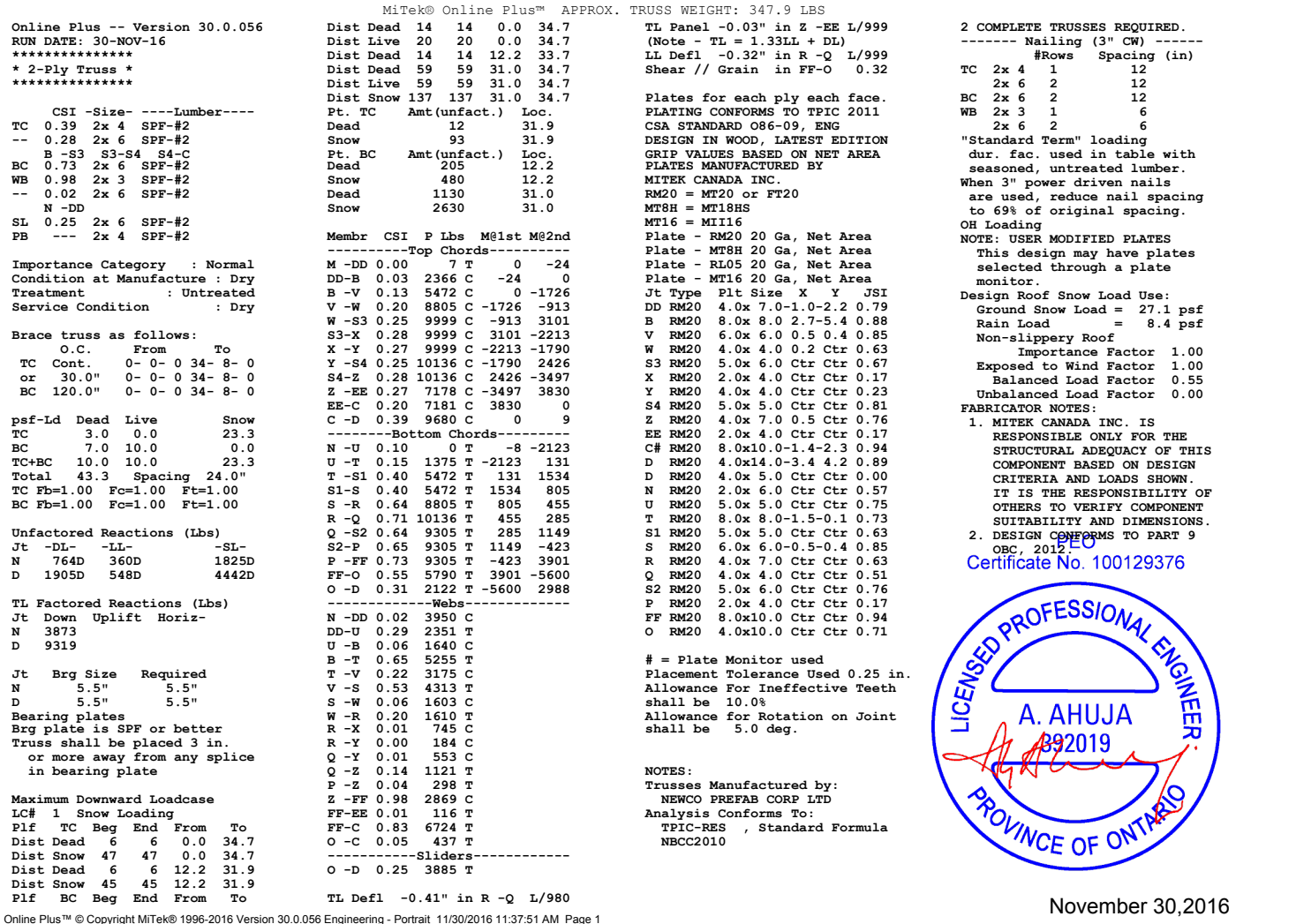
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PEO
Certificate No. 100129376

November 30, 2016

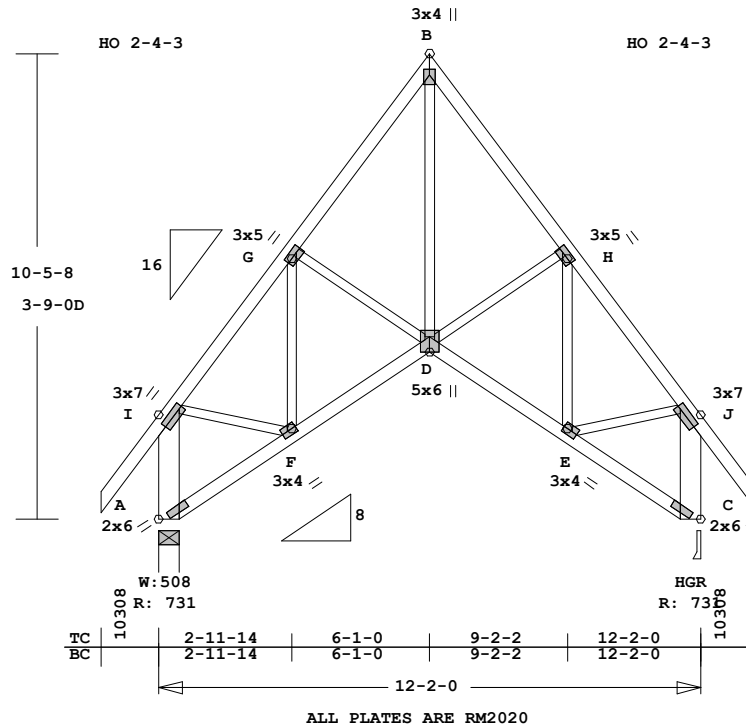


November 30, 2016



November 30, 2016

Job 41-5-B-Cnr	Mark T2	Quan 4	Type SCIS	Span 120200	P1-H1 16	Left OH 1- 3- 8	Right OH 1- 3- 8	Engineering J1262758
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Scale: 0.232" = 1'

Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

CSI -Size- ---Lumber---
TC 0.08 2x 4 SPF-#2
BC 0.09 2x 4 SPF-#2
WB 0.13 2x 3 SPF-#2
-- 0.06 2x 6 SPF-#2
A -I C -J

Importance Category : Normal
Condition at Manufacture : Dry
Treatment : Untreated
Service Condition : Dry

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 12- 2- 0
or 48.0" 0- 0- 0 12- 2- 0
BC 72.0" 0- 0- 0 12- 2- 0

psf-Ld Dead Live Snow
TC 3.0 0.0 23.3
BC 7.0 10.0 0.0
TC+BC 10.0 10.0 23.3
Total 43.3 Spacing 24.0"
TC Fb=1.10 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Unfactored Reactions (Lbs)
Jt -DL- -LL- -SL-
A 126D 117D 343D
C 126D 117D 343D

TL Factored Reactions (Lbs)
Jt Down Uplift Horiz-
A 731
C 731

Jt Brg Size Required
A 5.5" 1.5"
C 3.5" 1.5"

Maximum Downward Loadcase
LC# 1 Snow Loading
Plf TC Beg End From To
Dist Dead 6 6 0.0 12.2
Dist Snow 47 47 0.0 12.2
Plf BC Beg End From To
Dist Dead 14 14 0.0 12.2
Dist Live 20 20 0.0 12.2

Membr CSI P Lbs M@1st M@2nd
-----Top Chords-----
I -I 0.01 7 T 0 -24
I -G 0.08 527 C -24 -898

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 135.8 LBS

G -B 0.08 494 C -898 0
B -H 0.08 494 C 0 -898
H -J 0.08 527 C -898 -24
J -J 0.01 7 T -24 0

-----Bottom Chords-----
A -F 0.04 5 T 0 -303
F -D 0.09 391 T -303 0
D -E 0.09 391 T 0 -303
E -C 0.04 5 T -303 0

-----Webs-----
A -I 0.06 702 C
I -F 0.08 335 T
F -G 0.06 187 C
G -D 0.01 53 C
D -B 0.13 569 T
D -H 0.01 53 C
E -H 0.06 187 C
E -J 0.08 335 T
C -J 0.06 702 C

TL Defl -0.03" in D -E L/999
TL Panel -0.03" in G -B L/999
(Note - TL = 1.33LL + DL)
LL Defl -0.02" in F -D L/999
Hz Disp LL DL TL
Jt C 0.03" 0.01" 0.04"
Shear // Grain in I -G 0.06

Plates for each ply each face.
PLATING CONFORMS TO TPIC 2011
CSA STANDARD O86-09, ENG
DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA

PLATES MANUFACTURED BY
MITEK CANADA INC.
RM20 = MT20 or FT20
MT8H = MT18HS
MT16 = MII16
Plate - RM20 20 Ga, Net Area
Plate - MT8H 18 Ga, Net Area
Plate - RL05 18 Ga, Net Area
Plate - MT16 16 Ga, Net Area
Jt Type Plt Size X Y JSI
I RM20 3.0x 7.0-1.5-2.0 0.53
G RM20 3.0x 5.0-0.6-0.8 0.33
B RM20 3.0x 4.0 Ctr-0.5 0.62
H RM20 3.0x 5.0 0.6-0.8 0.33
J RM20 3.0x 7.0 1.5-2.0 0.53
A RM20 2.0x 6.0-0.5 0.5 0.58
F RM20 3.0x 4.0 0.4 0.3 0.46
D RM20 5.0x 6.0 Ctr-1.2 0.44
E RM20 3.0x 4.0-0.4 0.3 0.46
C RM20 2.0x 6.0 0.5 0.5 0.58

Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth

shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

NOTES:
Trusses Manufactured by:
NEWCO PREFAB CORP LTD
Analysis Conforms To:
TPIC-RES , Modified Formula
NBCC2010
OH Loading
Design Roof Snow Load Use:
Ground Snow Load = 27.1 psf
Rain Load = 8.4 psf
Non-slippery Roof
Importance Factor 1.00
Exposed to Wind Factor 1.00
Balanced Load Factor 0.55
Unbalanced Load Factor 0.00

FABRICATOR NOTES:
1. MITEK CANADA INC. IS
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STRUCTURAL ADEQUACY OF THIS
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IT IS THE RESPONSIBILITY OF
OTHERS TO VERIFY COMPONENT
SUITABILITY AND DIMENSIONS.
2. DESIGN CONFORMS TO PART 9
OBC, 2012.

PEO
Certificate No. 100129376



November 30, 2016

HO 2-4-3

12'-1" 3"

16

3x5 //

G

3x5 //

H

3x6 //

I

3x6 //

J

A

2x3 //

F

3x4 =

E

3x6 =

D

3x4 =

C

2x3 //

W: 508
R: 886

10308

70804

W: 508
R: 886

10308

TC

BC

3-9-0

3-9-0

7-3-12

7-6-0

11-3-0

11-3-0

15-0-0

15-0-0

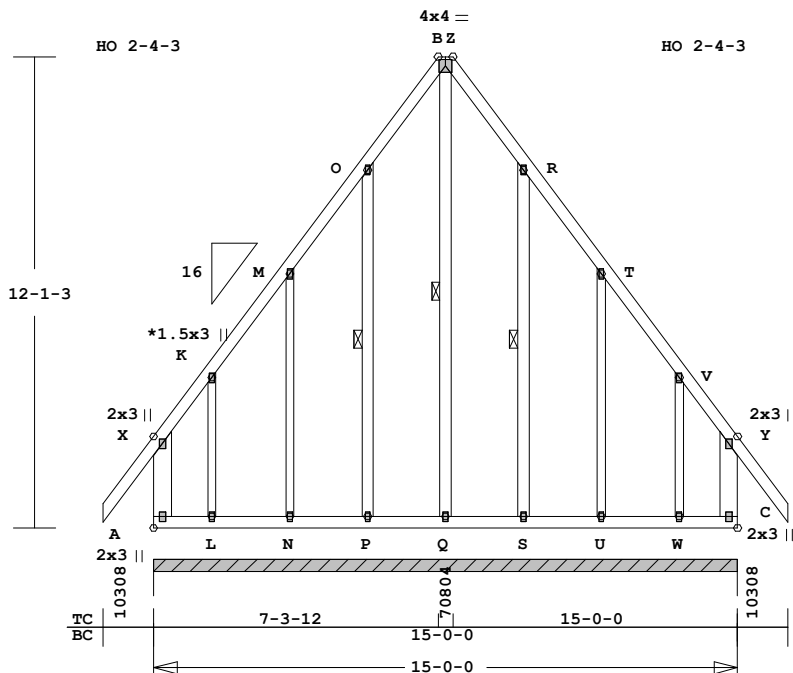
15-0-0

ALL PLATES ARE RM2020

Scale: 0.205" = 1'

Online Plus™ © Copyright MiTek® 1996-2016 Version 30.0.056 Engineering - Portrait 11/30/2016 11:37:52 AM Page 1

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
41-5-B-Cnr	T3GE1	1	TR	150000	16	1- 3- 8	1- 3- 8	J1262760



ALL PLATES ARE RM2020
See Joint K For Typical Gable Plate Size and Placement

Scale: 0.203" = 1'

Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

CSI -Size- ----Lumber----
TC 0.05 2x 4 SPF-#2
BC 0.02 2x 4 SPF-#2
WB 0.00 2x 6 SPF-#2
GW 0.02 2x 3 SPF-#2
-- 0.01 2x 4 SPF-#2
P -O Q -B S -R

Importance Category : Normal
Condition at Manufacture : Dry
Treatment : Untreated
Service Condition : Dry

Brace truss as follows:
O.C. From To
TC Cont. 0-0-0 15-0-0
or 48.0" 0-0-0 15-0-0
BC 120.0" 0-0-0 15-0-0
One Continuous Lateral Brace
P -O Q -B S -R
All braces 1x4"

psf-Ld Dead Live Snow
TC 3.0 0.0 23.3
BC 7.0 10.0 0.0
TC+BC 10.0 10.0 23.3
Total 43.3 Spacing 24.0"
TC Fb=1.10 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Unfactored Reactions (lbs)
Jt -DL- -LL- -SL-
A 316D 300D 819D

TL Factored Reactions (lbs)
Jt Down Uplift Horiz-
A 1773

Jt Brg Size Required
A 180.0" 0"-to- 180"

Maximum Downward Loadcase
LC# 1 Snow Loading
Plf TC Beg End From To
Dist Dead 6 6 0.0 15.0
Dist Snow 47 47 0.0 15.0
Plf BC Beg End From To
Dist Dead 14 14 0.0 15.0
Dist Live 20 20 0.0 15.0

Membr CSI P Lbs M@1st M@2nd

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 197.6 LBS

-----Top Chords-----
X -X 0.05 87 T 0 -299
X -K 0.03 3 C -231 -192
K -M 0.04 2 C -242 -302
M -O 0.05 1 C -299 -367
O -B 0.04 17 C -393 0
B -R 0.04 17 C 0 -393
R -T 0.05 1 C -367 -299
T -V 0.04 2 C -302 -242
V -Y 0.03 3 C -192 -231
Y -Y 0.05 87 T -299 0

-----Bottom Chords-----
A -L 0.01 0 T -93 -58
L -N 0.02 0 T -90 -115
N -P 0.02 0 T -113 -104
P -Q 0.02 0 T -115 -108
Q -S 0.02 0 T -108 -115
S -U 0.02 0 T -104 -113
U -W 0.02 0 T -115 -90
W -C 0.01 0 T -58 -93

-----Webs-----
A -X 0.00 170 C 85 67
C -Y 0.00 170 C -85 -67

-----Gable Webs-----
L -K 0.01 123 C 32 -50
N -M 0.02 154 C -2 3
P -O 0.01 174 C 10 -26
Q -B 0.01 114 C 1 Br
S -R 0.01 174 C -10 26
U -T 0.02 154 C 2 -3
W -V 0.01 123 C -32 50

TL Defl 0.00" in ---- L/999
TL Panel 0.00" in O -B L/999
(Note - TL = 1.33LL + DL)
LL Defl 0.00" in ---- L/999
Shear // Grain in X -X 0.05

Plates for each ply each face.
PLATING CONFORMS TO TPIC 2011
CSA STANDARD O86-09, ENG
DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA
PLATES MANUFACTURED BY

MITEK CANADA INC.
RM20 = MT20 or FT20
MT8H = MT18HS
MT16 = MII16
Plate - RM20 20 Ga, Net Area
Plate - MT8H 18 Ga, Net Area
Plate - RL05 18 Ga, Net Area
Plate - MT16 16 Ga, Net Area
Jt Type Plt Size X Y JSI
X RM20 2.0x 3.0 Ctr Ctr 0.33

K RM20 1.5x 3.0 Ctr Ctr 0.00
M RM20 1.5x 3.0 Ctr Ctr 0.00
O RM20 1.5x 3.0 Ctr Ctr 0.00
B RM20 4.0x 4.0 Ctr Ctr 0.66
R RM20 1.5x 3.0 Ctr Ctr 0.00
T RM20 1.5x 3.0 Ctr Ctr 0.00
V RM20 1.5x 3.0 Ctr Ctr 0.00
Y RM20 2.0x 3.0 Ctr Ctr 0.33
A RM20 2.0x 3.0 Ctr Ctr 0.25
L RM20 1.5x 3.0 Ctr Ctr 0.00
N RM20 1.5x 3.0 Ctr Ctr 0.00
P RM20 1.5x 3.0 Ctr Ctr 0.00
Q RM20 1.5x 3.0 Ctr Ctr 0.00
S RM20 1.5x 3.0 Ctr Ctr 0.00
U RM20 1.5x 3.0 Ctr Ctr 0.00
W RM20 1.5x 3.0 Ctr Ctr 0.00
C RM20 2.0x 3.0 Ctr Ctr 0.25

Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth
shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

NOTES:
Trusses Manufactured by:
NEWCO PREFAB CORP LTD
Analysis Conforms To:
TPIC-RES , Standard Formula
NBCC2010
OH Loading

Truss designed for wind loads
in the plane of the truss
only. For studs exposed to
wind (normal to the face),
see Standard Industry Gable
End Details as applicable,
or consult qualified
Building Designer as per
ANSI/TPI 1.

Design Roof Snow Load Use:
Ground Snow Load = 27.1 psf
Rain Load = 8.4 psf
Non-slippery Roof
Importance Factor 1.00
Exposed to Wind Factor 1.00
Balanced Load Factor 0.55
Unbalanced Load Factor 0.00

FABRICATOR NOTES:
1. MITEK CANADA INC. IS
RESPONSIBLE ONLY FOR THE
STRUCTURAL ADEQUACY OF THIS
COMPONENT BASED ON DESIGN

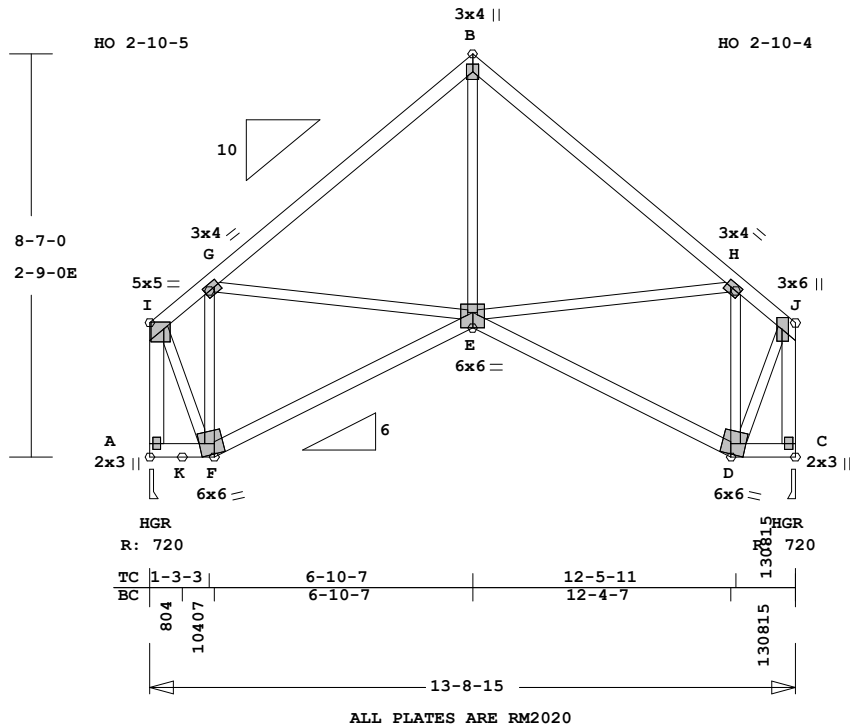
CRITERIA AND LOADS SHOWN.
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2. DESIGN CONFORMS TO PART 9
OBC, 2012.

PEO
Certificate No. 100129376



November 30, 2016

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
41-5-B-Cnr	T4	2	SP	130815	10	0	0	J1262761



ALL PLATES ARE RM2020

Scale: 0.245" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 122.3 LBS

Online Plus -- Version 30.0.056
RUN DATE: 30-NOV-16

CSI -Size- ---Lumber---
TC 0.29 2x 4 SPF-#2
BC 0.19 2x 4 SPF-#2
WB 0.16 2x 3 SPF-#2
-- 0.09 2x 4 SPF-#2
A -I C -J

Importance Category : Normal
Condition at Manufacture : Dry
Treatment : Untreated
Service Condition : Dry

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 13- 8-15
or 48.0" 0- 0- 0 13- 8-15
BC 120.0" 0- 0- 0 13- 8-15

psf-Ld Dead Live Snow
TC 3.0 0.0 23.3
BC 7.0 10.0 0.0
TC+BC 10.0 10.0 23.3
Total 43.3 Spacing 24.0"
TC Fb=1.10 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Unfactored Reactions (Lbs)
Jt -DL- -LL- -SL-
A 137D 137D 320D
C 137D 137D 320D

TL Factored Reactions (Lbs)
Jt Down Uplift Horiz-
A 721
C 721

Jt Brg Size Required
A 3.5" 3.5"
C 3.5" 3.5"
Bearing plates
Brg plate is SPF or better
Truss shall be placed 3 in.
or more away from any splice
in bearing plate

Maximum Downward Loadcase
LC# 1 Snow Loading
Plf TC Beg End From To
Dist Dead 6 6 0.0 13.7
Dist Snow 47 47 0.0 13.7
Plf BC Beg End From To
Dist Dead 14 14 0.0 13.7
Dist Live 20 20 0.0 13.7

Membr	CSI	P Lbs	M1st	M2nd
-----Top Chords-----				
I -G	0.25	238 C	-9	-2810
G -B	0.29	589 C	-2810	0
B -H	0.29	589 C	0	-2810
H -J	0.25	240 C	-2810	-9
-----Bottom Chords-----				
A -F	0.01	0 T	-3	0
F -E	0.19	298 T		
E -D	0.19	299 T		
D -C	0.01	0 T	0	-3
-----Webs-----				
A -I	0.09	699 C		
I -F	0.15	678 T		
F -G	0.16	657 C		
G -E	0.04	167 T		
E -B	0.08	371 T		
E -H	0.04	166 T		
D -H	0.16	655 C		
D -J	0.15	676 T		
C -J	0.09	699 C		

TL Defl -0.09" in E -D L/999
TL Panel -0.19" in B -H L/464
(Note - TL = 1.33LL + DL)
LL Defl -0.05" in E -D L/999
Hz Disp LL DL TL
Jt C 0.02" 0.01" 0.02"
Shear // Grain in I -G 0.15

Plates for each ply each face.
PLATING CONFORMS TO TPIC 2011
CSA STANDARD 086-09, ENG
DESIGN IN WOOD, LATEST EDITION
GRIP VALUES BASED ON NET AREA
PLATES MANUFACTURED BY
MITEK CANADA INC.
RM20 = MT20 or FT20
MT8H = MT18HS
MT16 = MII16
Plate - RM20 20 Ga, Net Area
Plate - MT8H 18 Ga, Net Area
Plate - RL05 18 Ga, Net Area
Plate - MT16 16 Ga, Net Area
Jt Type Plt Size X Y JSI
I RM20 5.0x 5.0-0.8-0.7 0.45
G RM20 3.0x 4.0-0.6-0.5 0.63
B RM20 3.0x 4.0 Ctr Ctr 0.51
H RM20 3.0x 4.0 0.6-0.5 0.63
J RM20 3.0x 6.0 0.2 Ctr 0.60
A RM20 2.0x 3.0 Ctr Ctr 0.44
F RM20 6.0x 6.0-0.9 3.6 0.68
E RM20 6.0x 6.0 Ctr-0.9 0.55
D RM20 6.0x 6.0 0.9 3.6 0.67
C RM20 2.0x 3.0 Ctr Ctr 0.44

Placement Tolerance Used 0.25 in.
Allowance For Ineffective Teeth
shall be 10.0%
Allowance for Rotation on Joint
shall be 5.0 deg.

NOTES:
Trusses Manufactured by:
NEWCO PREFAB CORP LTD
Analysis Conforms To:
TPIC-RES , Modified Formula
NBCC2010
Design Roof Snow Load Use:
Ground Snow Load = 27.1 psf
Rain Load = 8.4 psf
Non-slippery Roof
Importance Factor 1.00
Exposed to Wind Factor 1.00
Balanced Load Factor 0.55
Unbalanced Load Factor 0.00

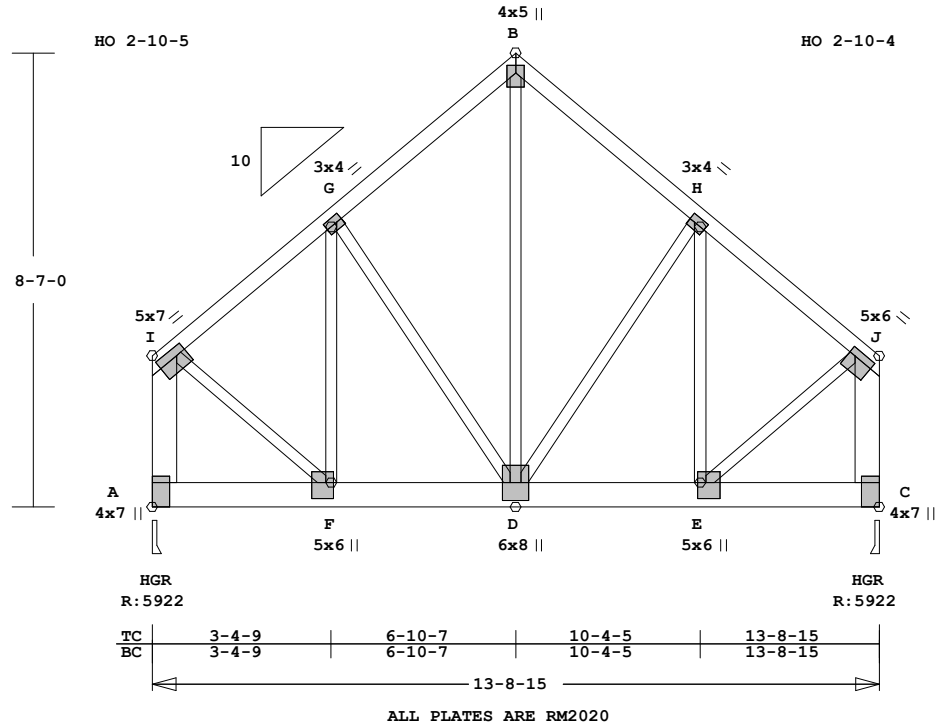
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2. DESIGN CONFORMS TO PART 9
OBC, 2012. PEO

Certificate No. 100129376



November 30, 2016

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
41-5-B-Cnr	T4GR1	1*2P	DUAL	130815	10	0	0	J1262762



Scale: 0.275" = 1'

Online Plus -- Version 30.0.056
 RUN DATE: 30-NOV-16

 * 2-Ply Truss *

CSI -Size- ---Lumber---
 TC 0.11 2x 4 SPF-#2
 BC 0.45 2x 6 SPF-#2
 WB 0.47 2x 3 SPF-#2
 -- 0.04 2x 6 SPF-#2
 A -I C -J

Importance Category : Normal
 Condition at Manufacture : Dry
 Treatment : Untreated
 Service Condition : Dry

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 13- 8-15
 or 48.0" 0- 0- 0 13- 8-15
 BC 120.0" 0- 0- 0 13- 8-15

psf-Ld Dead Live Snow
 TC 3.0 0.0 23.3
 BC 7.0 10.0 168.1
 TC+BC 10.0 10.0 191.4
 Total 211.4 Spacing 24.0"
 TC Fb=1.00 Fc=1.00 Ft=1.00
 BC Fb=1.00 Fc=1.00 Ft=1.00

Unfactored Reactions (lbs)
 Jt -DL- -LL- -SL-
 A 1130D 1130D 2630D
 C 1130D 1130D 2630D

TL Factored Reactions (lbs)
 Jt Down Uplift Horiz-
 A 5922
 C 5922

Jt Brg Size Required
 A 3.5" 3.5"
 C 3.5" 3.5"

Bearing plates
 Brg plate is SPF or better
 Truss shall be placed 3 in.
 or more away from any splice
 in bearing plate

Maximum Downward Loadcase
 LC# 1 Girder & Snow Load
 Plf TC Beg End From To

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 151.8 LBS
 Dist Dead 6 6 0.0 13.7
 Dist Snow 47 47 0.0 13.7
 Plf BC Beg End From To
 Dist Dead 158 158 0.0 13.7
 Dist Live 164 164 0.0 13.7
 Dist Snow 336 336 0.0 13.7

Membr CSI P Lbs M@1st M@2nd
 -----Top Chords-----
 I -G 0.10 3568 C -24 -599
 G -B 0.11 3156 C -599 0
 B -H 0.11 3156 C 0 -602
 H -J 0.10 3573 C -602 -24
 -----Bottom Chords-----
 A -F 0.37 0 T -247 -7965
 F -D 0.45 2749 T -7965 -8973
 D -E 0.45 2752 T -8973 -7985
 E -C 0.37 0 T -7985 -247

-----Webs-----
 A -I 0.04 4709 C
 I -F 0.44 3580 T
 F -G 0.06 489 T
 G -D 0.04 599 C
 D -B 0.47 3788 T
 D -H 0.05 605 C
 E -H 0.06 497 T
 E -J 0.44 3580 T
 C -J 0.04 4708 C

TL Defl -0.06" in D -E L/999
 TL Panel -0.02" in B -H L/999
 (Note - TL = 1.33LL + DL)
 LL Defl -0.05" in D -E L/999
 Shear // Grain in A -F 0.47

Plates for each ply each face.
 PLATING CONFORMS TO TPIC 2011
 CSA STANDARD 086-09, ENG
 DESIGN IN WOOD, LATEST EDITION
 GRIP VALUES BASED ON NET AREA
 PLATES MANUFACTURED BY
 MITEK CANADA INC.
 RM20 = MT20 or FT20
 MT8H = MT18HS
 MT16 = MT116
 Plate - RM20 20 Ga, Net Area
 Plate - MT8H 18 Ga, Net Area
 Plate - RL05 18 Ga, Net Area
 Plate - MT16 16 Ga, Net Area
 Jt Type Plt Size X Y JSI
 I RM20 5.0x 7.0-0.4-1.3 0.81
 G RM20 3.0x 4.0-0.6-0.5 0.46
 B RM20 4.0x 5.0 Ctr-0.8 0.81
 H RM20 3.0x 4.0 0.6-0.5 0.46

J RM20 5.0x 6.0 0.6-1.8 0.75
 A RM20 4.0x 7.0-0.8-2.0 0.58
 F RM20 5.0x 6.0-0.8-0.5 0.81
 D RM20 6.0x 8.0 Ctr-0.1 0.53
 E RM20 5.0x 6.0 0.8-0.6 0.81
 C RM20 4.0x 7.0 0.8-2.0 0.58

Placement Tolerance Used 0.25 in.
 Allowance For Ineffective Teeth
 shall be 10.0%
 Allowance for Rotation on Joint
 shall be 5.0 deg.

NOTES:
 Trusses Manufactured by:
 NEWCO PREFAB CORP LTD
 Analysis Conforms To:
 TPIC-RES , Standard Formula
 NBCC2010
 Girder Common
 Loading BC
 Span 30-10- 8
 2 COMPLETE TRUSSES REQUIRED.

----- Nailing (3" CW) -----
 #Rows Spacing (in)
 TC 2x 4 1 12
 BC 2x 6 2 6
 WB 2x 3 1 6
 2x 6 2 6

"Standard Term" loading
 dur. fac. used in table with
 seasoned, untreated lumber.
 When 3" power driven nails
 are used, reduce nail spacing
 to 69% of original spacing.
 Use properly rated hangers for
 loads framing into girder
 truss.

Design Roof Snow Load Use:
 Ground Snow Load = 27.1 psf
 Rain Load = 8.4 psf
 Non-slippery Roof

Importance Factor 1.00
 Exposed to Wind Factor 1.00
 Balanced Load Factor 0.55
 Unbalanced Load Factor 0.00

FABRICATOR NOTES:
 1. MITEK CANADA INC. IS
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