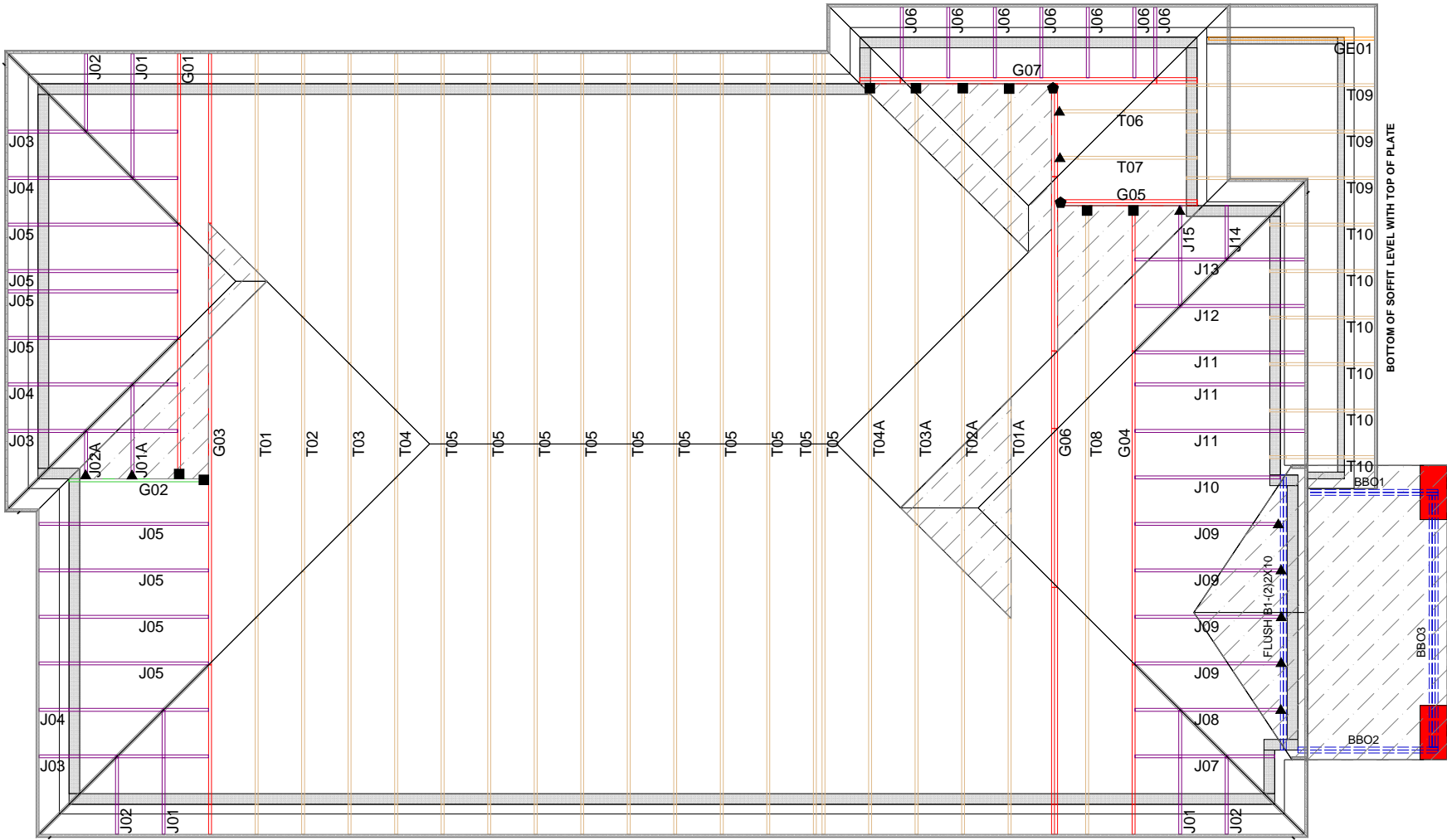


JOB INFORMATION	
Customer	GREENPARK HOMES
Job #	23-00114R0
Address	ZADORRA ESTATES ROSE 3 EL 3 OSHAWA,ON
Model	ROSE 3 EL 3
Sales Rep	RALPH MIRIGELLO
Designer	BB
Date	6/1/2023
Path	S:\DESIGN\KLU\CUSTOMERS\GREENPARK\ZADORRA ESTATES\MODELS\ROSE 3\ROSE 3-3\T-ROSE
DESIGN INFORMATION	
Code	NBCC 2015
Bldg	Residential - HSB (NBCC Part 9)
TC LL	23.3 lb/ft²
TC DL	6.0 lb/ft²
BC LL	0.0 lb/ft²
BC DL	7.3 lb/ft²
Deflection	LL=L/360 TL=L/360
Spacing	24" O/C unless otherwise noted
Complies With	OBC 2012 (2019 Amendment) CSA O86-14 and TPIC 2014
IMPORTANT INFORMATION	
Hangers and Fasteners to be installed as per manufacturer	
Refer to truss drawings in the Truss Engineering Package for ply-to-ply attachment notes	
For site-framed valleys: top chords of all roof trusses must be laterally supported using 2x4 continuous bracing @24 O/C - all bracing must be anchored at ends as per TPIC Installation Guidelines	
Read all notes on this page in addition to those shown on the KOTT Truss Engineering package	
Field erection, handling and bracing are not the responsibility of KOTT, or KOTT Engineering	
Unless noted otherwise, hurricane ties are to be installed at the bearings of all trusses > 40 ft clear span, and any girder or beam supporting trusses with a clear span >40 ft. See hanger legend for type.	
Unless noted otherwise, for Part 9 bldgs, all trusses are to be anchored to the top of supporting walls as follows: trusses with a clear span <40 ft use 3-1/4" nails @ each bearing; trusses with a clear span >40 ft use 3-1/4" nails @ each bearing in addition to the appropriate hurricane tie.	
KOTT Inc. 14 Anderson Blvd. Uxbridge, ON 905.642.4400	



Hanger Name	Symbol	QTY
LUS24	▲	10
LJS26DS	■	8
	●	0
HGUS26-2	◆	2
	△	0
	□	0
	◇	0
	○	0

STEEL BEAMS IN GARAGE ASSUMED TO BE DROPPED



CONVENTIONAL FRAMING BY OTHERS

ALL CONVENTIONAL FRAMING TO CONFORM WITH PART 9 OF THE OBC. ROOF RAFTERS THAT CROSS OVER TRUSSES TO BE MIN. 2x4 SPF @ 24" C/C WITH A 2x4 VERTICAL POST TO THE TRUSS BELOW. VERTICAL POSTS TO BE Laterally BRACED SO THAT UNBRACED LENGTH DOES NOT EXCEED 6'. DESIGN OF CONVENTIONAL FRAMING IS THE RESPONSIBILITY OF THE PROJECT ENGINEER.

TRUE COPY  
OF PERMIT PLANS

Nov 22 2023

PER: *C. Morin*  
CHIEF BUILDING OFFICIAL

## Engineering Notes: Trusses



MHP 23029

PLEASE READ ALL NOTES PRIOR TO INSTALLATION OF THE COMPONENT

**RESPONSIBILITIES**

THE UNDERSIGNED ENGINEER IS ONLY RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF THIS BUILDING COMPONENT FOR THE CONDITIONS AND LOADS SHOWN ON CALCULATION PAGE. THE STRUCTURAL INTEGRITY OF THE BUILDING AND THE VERIFICATION OF THE DIMENSIONS AND THE DESIGN LOADS USED ARE THE RESPONSIBILITY OF THE BUILDING DESIGNER. THE UNDERSIGNED ENGINEER DISCLAIMS ANY RESPONSIBILITY FOR DAMAGES AS A RESULT OF FAULTY OR INCORRECT INFORMATION, SPECIFICATION AND/OR DESIGNS FURNISHED TO THE ENGINEER.

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

**DESIGN INFORMATION**

THIS DESIGN IS FOR AN INDIVIDUAL BUILDING COMPONENT AND HAS BEEN BASED ON INFORMATION PROVIDED BY KOTT DESIGN.

1. THE BUILDING USE AND OCCUPANCY TYPE IS AS INDICATED ON THE DRAWING.
2. GEOMETRY OF THE TRUSS AND DIMENSIONS INDICATED ON THE DRAWING ARE IDENTICAL TO THOSE OF THE INSTALLED TRUSS.
3. THE TRUSS LOADING INTENSITY AND DISTRIBUTION AS WELL AS LOAD TRANSFER MECHANISM IS THAT INDICATED ON THE DRAWING. NO BUILDINGS, TREES, PARAPETS OR OTHER PROJECTIONS HIGHER THAN THE ROOF FOR WHICH THE TRUSSES ARE USED ARE LOCATED WITHIN A DISTANCE LESS THAN TEN (10) TIMES THE DIFFERENCE IN HEIGHT, OR FIVE METERS (16 FT) WHICHEVER IS GREATER, UNLESS THE DRAWING INDICATES THAT THE SNOW DRIFTING HAS BEEN TAKEN INTO ACCOUNT.
4. THE TRUSSES ARE TO BE SUPPORTED AT THE BEARING POINTS INDICATED AND ANCHORED TO THE SUPPORTS WHERE CONSIDERED NECESSARY BY THE DESIGNER OF THE OVERALL STRUCTURE. BEARING SIZES SHOWN ARE THE MINIMUM REQUIRED TO PREVENT CRUSHING OF THE TRUSS MEMBERS AND DO NOT NECESSARILY TAKE INTO ACCOUNT STABILITY OF THE OVERALL BUILDING STRUCTURE. ELEVATION OF BEARINGS MUST BE CAREFULLY CHECKED AND SHIMMED TO ALIGNMENT FOR SOLID BEARINGS. ADEQUATE WOOD TRUSS BEARING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER.

**CODE**

TRUSSES ARE DESIGNED IN CONFORMANCE WITH THE RELEVANT SECTIONS OF THE NATIONAL BUILDING CODE OF CANADA OR THE CANADIAN CODE FOR FARM BUILDINGS, WHICHEVER APPLIES TO THE BUILDING TYPE INDICATED ON THE DRAWING, THE ONTARIO BUILDING CODE, TPIC AND CANADIAN STANDARDS ASSOCIATION GUIDELINES.

**HANDLING, INSTALLATION AND BRACING**

1. THE TRUSSES MUST BE HANDLED AND INSTALLED BY A QUALIFIED PROFESSIONAL AS PER THE SUPPLIED DOCUMENT TITLED INFORMATION FOR TRUSS INSTALLERS AND THE BCSI-B1 AND BCSI-B3 SUMMARY SHEETS.
2. THE COMPRESSION CHORDS ARE Laterally Braced by Continuous Rigid Diaphragm Sheathing or as Specified on the Drawing.
3. TEMPORARY AND PERMANENT BRACING MUST BE INSTALLED AS INDICATED ON THE TRUSS DRAWING AND ACCORDING TO THE BCSI-B1 AND BCSI-B3 SUMMARY SHEETS. BRACING FOR THE LATERAL STABILITY OF THE TRUSS IS TO BE PROVIDED BY THE BUILDING DESIGNER.
4. IT IS RECOMMENDED THAT A PROFESSIONAL ENGINEER'S ADVICE BE OBTAINED FOR THE BRACING OF TRUSSES SPANNING MORE THAN 12.37M (40'-7").

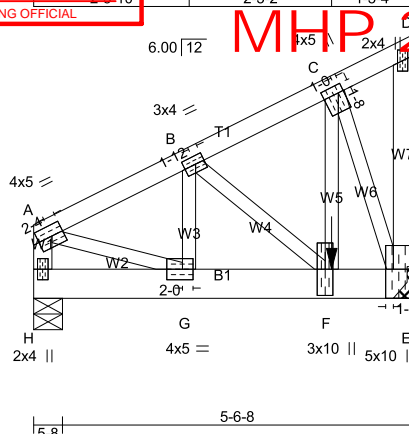


JOB NAME	TRUSS NAME	QUANTITY COPY	JOB DESC.	DRWG NO.
IM0723-082	G02	Nov 22 2023	TRUSS DESC.	

PER: *Chmora*  
CHIEF BUILDING OFFICIAL

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Thu Jul 13 08:57:32 2023 Page 1  
ID:bcGHXsLhLjMpVeVc.4eeDgzAK?y-0TgK8dMGHziN9hbCbQ42TxX4f3JDRXvz8SM9yyY11

Scale = 1:36.5



TOTAL WEIGHT = 33 lb

**LUMBER**

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
H - A	2x4 DRY	No.2	SPF
A - D	2x4 DRY	No.2	SPF
E - D	2x4 DRY	No.2	SPF
H - E	2x6 DRY	No.2	SPF
ALL WEBS	2x3 DRY	No.2	SPF
DRY: SEASONED LUMBER.			

**PLATES (table is in inches)**

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	4.0	5.0	2.00	2.25
B	TMWW-t	MT20	3.0	4.0	1.50	1.75
C	TMWW-t	MT20	4.0	5.0	1.50	1.00
D	TMVW-p	MT20	2.0	4.0		
E	BMVW1+t	MT20	5.0	10.0	Edge	1.50
F	BMVW1+t	MT20	3.0	10.0		
G	BMVW1+t	MT20	4.0	5.0	2.00	2.00
H	BMV1+p	MT20	2.0	4.0		

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

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

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	UPLIFT
H	1255	0	1255	0
E	2334	0	2334	0

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

**UNFACTORED REACTIONS**

JT	1ST LCASE COMBINED	MAX./MIN. SNOW	MAX./MIN. LIVE	MAX./MIN. PERM. LIVE	WIND	DEAD	SOIL
H	877	635 / 0	0 / 0	0 / 0	0 / 0	242 / 0	0 / 0
E	1631	1180 / 0	0 / 0	0 / 0	0 / 0	451 / 0	0 / 0

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

**BRACING**

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.33 FT.  
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

**LOADING**

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 (LC)
FR-TO		FROM TO			FR-TO		
H-A	-1210 / 0	0.0	0.0	0.13 (1)	A-G	0 / 1239	0.31 (1)
A-B	-1301 / 0	-238.9	-238.9	0.22 (1)	G-B	-114 / 55	0.02 (4)
B-C	-908 / 0	-238.9	-238.9	0.19 (1)	B-F	-513 / 0	0.10 (1)
C-D	-14 / 0	-119.4	-119.4	0.06 (1)	F-C	0 / 2030	0.50 (1)
E-D	-45 / 0	0.0	0.0	0.01 (1)	C-E	-2129 / 0	0.47 (1)
H-G	0 / 0	-36.5	-36.5	0.03 (4)			
G-F	0 / 1182	-36.5	-36.5	0.44 (1)			
F-E	0 / 799	-18.2	-18.2	0.39 (1)			

**SPECIFIED CONCENTRATED LOADS (LBS)**

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
F	4-8-12	-1476	-1476	---	FRONT	VERT	TOTAL	---	C1

**CONNECTION REQUIREMENTS**

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

**DESIGN CRITERIA**

\*\*\* SPECIAL LOADS ANALYSIS \*\*\*

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

**SPECIFIED LOADS:**

TOP CH.	LL	=	34.8	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.3	PSF
TOTAL LOAD	=	48.1	PSF	

**SPACING = 24.0 IN. C/C**

GIRDER TYPE: CPrimeHip

SIDE SETBACK = 0-0

END SETBACK = 6-0-0

END WALL WIDTH = 0-0

CORNER FRAMING TYPE: CONVENTIONAL

END JACK TYPE: CONVENTIONAL

APPLIED TO FRONT SIDE

- ADDTL LOADS BASED ON 55 % OF GSL.  
LOADS APPLIED TO FIRST 4-8-12 OF SPAN  
MEASURED FROM THE LEFT.

\*\*\* NON STANDARD GIRDER \*\*\*

ADDTL USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, NBC-2019AE  
- PART 9 OF OBC 2012 (2019 AMENDMENT)  
- CSA 086-14  
- TPIC 2014

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.22/0.97 (A-B:1), BC=0.44/0.97 (F-G:1), WB=0.50/0.97 (C-F:1), SSI=0.26/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

**NAIL VALUES**

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

CONTINUED ON PAGE 2



JULY 13, 2023

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

JOB NAME	TRUSS NAME	QUANTITY COPY	JOB DESC.	DRWG NO.
IM0723-082	G02	OF PERMIT PLANS	TRUSS DESC.	

Nov 22 2023

PER:

CHIEF BUILDING OFFICIAL

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Thu Jul 13 08:57:32 2023 Page 2  
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MHP 23029

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (A) (INPUT = 0.90 )

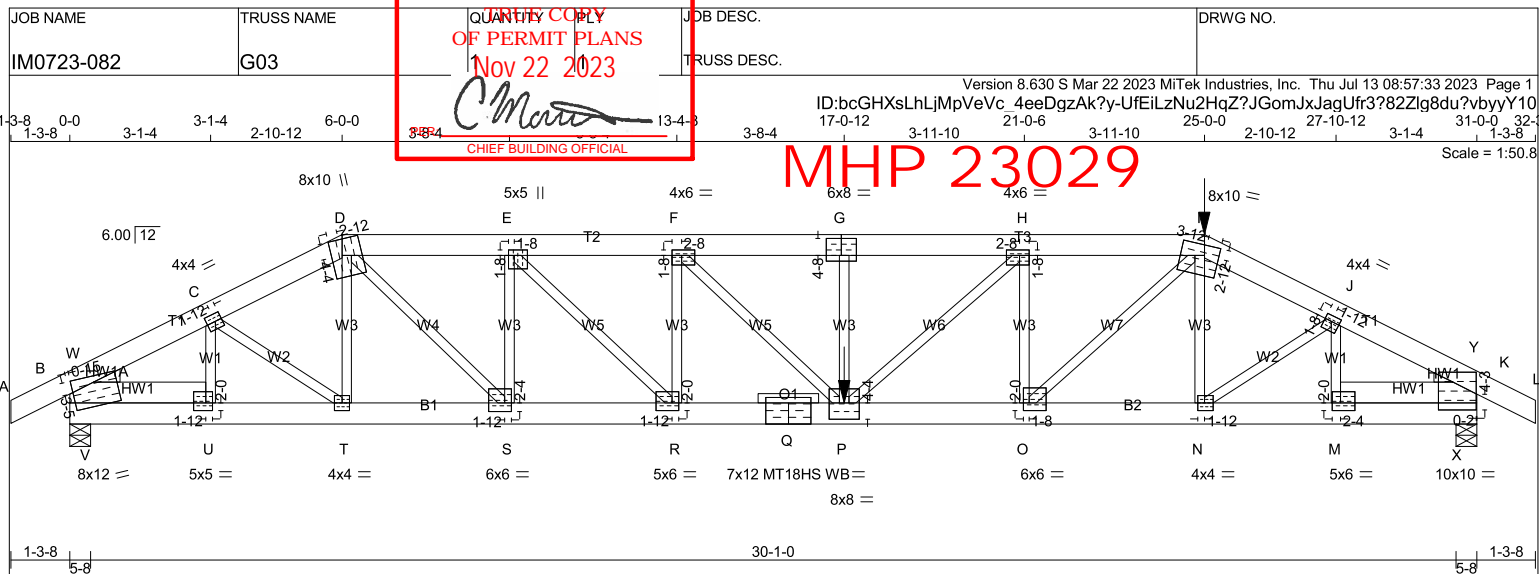
JSI METAL= 0.47 (F) (INPUT = 1.00 )



JULY 13, 2023

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





TOTAL WEIGHT = 176 lb

**LUMBER**

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - D	2x6	DRY	2100F 1.8E
D - G	2x6	DRY	2100F 1.8E
G - I	2x6	DRY	2100F 1.8E
I - L	2x6	DRY	2100F 1.8E
L - Q	2x6	DRY	2100F 1.8E
Q - K	2x6	DRY	2100F 1.8E

**REINFORCING MEMBERS**

HW1	2x6	DRY	No.2	SPF
HW2	2x6	DRY	No.2	SPF

ALL WEBS 2x3 DRY: SEASONED LUMBER.

**PLATES (table is in inches)**

JT	TYPE	PLATES	W	LEN	Y	X
B	TMBMW1-m	MT20	8.0	12.0	3.25	1.00
C	TMWW-t	MT20	4.0	4.0	2.00	1.75
D	TTWW+m	MT20	8.0	10.0	4.25	2.75
E	TMWW-t	MT20	5.0	5.0	1.50	1.50
F	TMWW-t	MT20	4.0	6.0	1.50	2.50
G	TSW-t	MT20	6.0	8.0	4.50	4.00
H	TMWW-t	MT20	4.0	6.0	1.50	2.50
I	TTWW-m	MT20	8.0	10.0	2.75	3.75
J	TMWW-t	MT20	4.0	4.0	1.50	1.75
K	TMBMW1-l	MT20	10.0	10.0	4.25	0.25
M	BMWW-t	MT20	5.0	6.0	2.00	2.25
N	BMWW-t	MT20	4.0	4.0	2.00	1.75
O	BMWW-t	MT20	6.0	6.0	2.00	1.50
P	BMWWWW-t	MT20	8.0	8.0	4.25	4.00
Q	BS-t	MT18HS	7.0	12.0		
R	BMWW-t	MT20	5.0	6.0	2.00	1.75
S	BMWW-t	MT20	6.0	6.0	2.25	1.75
T	BMWW-t	MT20	4.0	4.0		
U	BMWW-t	MT20	5.0	5.0	2.00	1.75

WB - INDICATES BLOCKING REQUIRED

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

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG	HEEL WEDGE
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
B	3777	0	3777	0	0
K	4766	0	4766	0	0

**UNFACTORED REACTIONS**

JT	1ST LCASE	MAX./MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
B	COMBINED	SNOW	LIVE	PERM.LIVE	
B	2637	1926 / 0	0 / 0	0 / 0	710 / 0
K	3330	2412 / 0	0 / 0	0 / 0	918 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, K  
BEARING SIZE FACTOR = 1.15 AT JNT(S) B, K (BASED ON SUPPORT DEPTH = 1-8)**BRACING**TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.02 FT.  
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

**LOADING**

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 0	-119.4 -119.4	0.05 (1)	U-C	-994 / 0	0.17 (1)	
B-W	-3999 / 0	-119.4 -119.4	0.09 (1)	C-T	0 / 733	0.18 (1)	
W-C	-5231 / 0	-119.4 -119.4	0.11 (1)	T-D	-242 / 0	0.06 (1)	
C-D	-5856 / 0	-119.4 -119.4	0.12 (1)	D-S	0 / 3477	0.86 (1)	
D-E	-7685 / 0	-119.4 -119.4	0.19 (1)	S-E	-2460 / 0	0.60 (1)	
E-F	-9687 / 0	-119.4 -119.4	0.27 (1)	E-R	0 / 2839	0.70 (1)	
F-G	-11124 / 0	-119.4 -119.4	0.34 (1)	R-F	-1861 / 0	0.46 (1)	
G-H	-11114 / 0	-225.2 -225.2	0.41 (1)	F-P	0 / 2038	0.50 (1)	
H-I	-9550 / 0	-225.2 -225.2	0.33 (1)	P-G	-619 / 0	0.15 (1)	
I-J	-7564 / 0	-119.4 -119.4	0.17 (1)	G-H	0 / 2140	0.53 (1)	
J-Y	-6715 / 0	-119.4 -119.4	0.16 (1)	O-H	-2439 / 0	0.60 (1)	
Y-K	-5101 / 0	-119.4 -119.4	0.12 (1)	O-I	0 / 3819	0.95 (1)	
K-L	0 / 0	-119.4 -119.4	0.05 (1)	N-I	-353 / 25	0.09 (1)	
				N-J	0 / 1000	0.25 (1)	
B-V	0 / 1795	-18.2 -18.2	0.10 (1)	M-J	-1226 / 0	0.21 (1)	
V-U	0 / 1795	-18.2 -18.2	0.14 (1)	V-W	0 / 65	0.00 (1)	
U-T	0 / 4647	-18.2 -18.2	0.29 (1)	W-U	0 / 2998	0.39 (1)	
T-S	0 / 5228	-18.2 -18.2	0.32 (1)	M-Y	0 / 3873	0.50 (1)	
S-R	0 / 7685	-18.2 -18.2	0.44 (1)	X-Y	0 / 100	0.00 (1)	
R-Q	0 / 9687	-18.2 -18.2	0.64 (1)				
Q-P	0 / 9687	-18.2 -18.2	0.64 (1)				
P-O	0 / 9550	-34.4 -34.4	0.63 (1)				
O-N	0 / 6755	-34.4 -34.4	0.40 (1)				
N-M	0 / 5963	-34.4 -34.4	0.36 (1)				
M-X	0 / 2279	-34.4 -34.4	0.17 (1)				
X-K	0 / 2279	-34.4 -34.4	0.12 (1)				

**SPECIFIED CONCENTRATED LOADS (LBS)**

JT	LOC.	LC1	MAX.	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
I	25-0-0	-367	-367	---	FRONT	VERT	TOTAL	---	C1
P	17-0-12	-1631	-1631	---	FRONT	VERT	TOTAL	---	C1

**CONNECTION REQUIREMENTS**

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

**DESIGN CRITERIA**

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

**SPECIFIED LOADS:**

TOP CH.	LL =	34.8	PSF
	DL =	6.0	PSF
BOT CH.	LL =	0.0	PSF
	DL =	7.3	PSF
TOTAL LOAD	=	48.1	PSF

**SPACING = 24.0 IN./C**

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

GIRDER TYPE: CPrimeHip  
SIDE SETBACK = 6-0-0  
END SETBACK = 6-0-0  
END WALL WIDTH = 5-8  
CORNER FRAMING TYPE: CONVENTIONAL  
END JACK TYPE: CONVENTIONAL  
APPLIED TO FRONT SIDE  
- ADDTL LOADS BASED ON 55 % OF GSL.  
LOADS APPLIED TO FIRST 13-11-4 OF SPAN  
MEASURED FROM THE RIGHT.

**\*\*\* NON STANDARD GIRDER \*\*\***

ADDTL USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.  
THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2015

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

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (1.03")  
CALCULATED VERT. DEFL.(LL) = L/999 (0.33")  
ALLOWABLE DEFL.(TL) = L/360 (1.03")  
CALCULATED VERT. DEFL.(TL) = L/651 (0.57")

CSI: TC=0.41/0.97 (G-H:1), BC=0.64/0.97 (P-R:1)  
, WB=0.95/0.97 (I-O:1), SSI=0.34/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

CONTINUED ON PAGE 2




JULY 13, 2023

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

JOB NAME	TRUSS NAME	QUANTITY COPY	JOB DESC.	DRWG NO.
IM0723-082	G03	OF PERMIT PLANS	TRUSS DESC.	

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PER:   
CHIEF BUILDING OFFICIAL

MHP 23029

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20 650 371	1747 788	1987 1873	
MT18HS 586 403	2455 1382	3163 3004	

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (R) (INPUT = 0.90 )

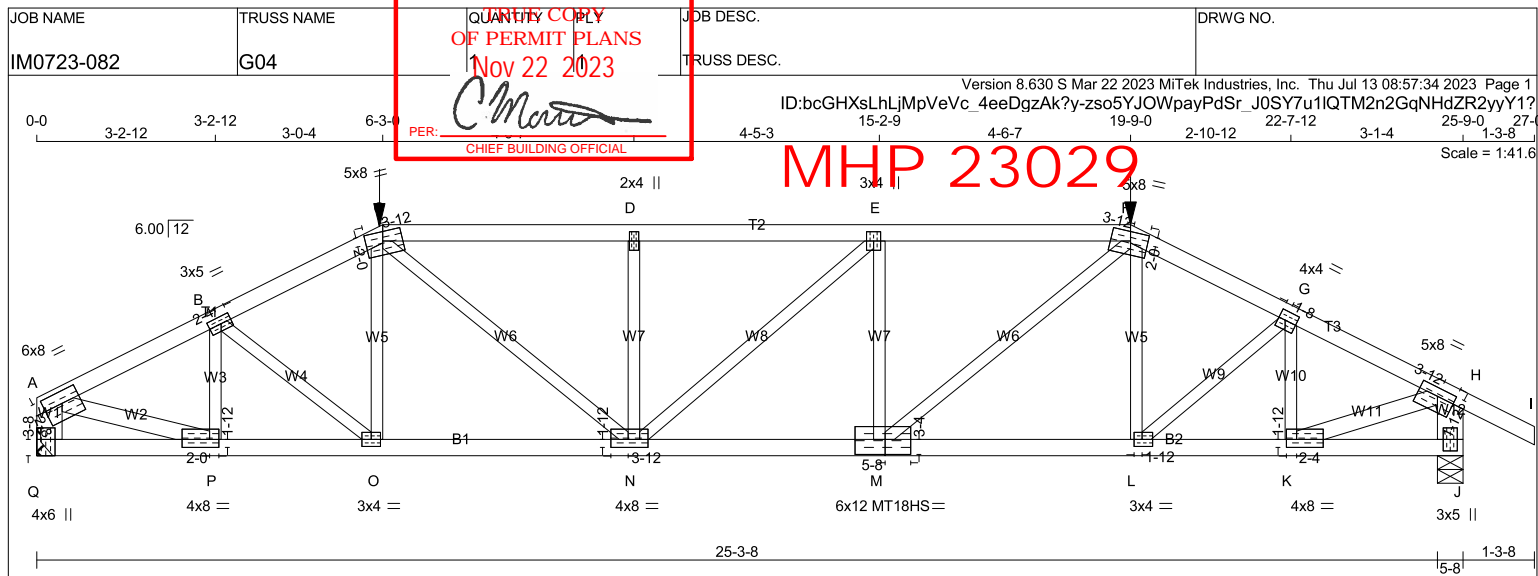
JSI METAL= 0.99 (Q) (INPUT = 1.00 )



JULY 13, 2023

READ ALL NOTES ON THIS PAGE AND ON THE  
ENGINEERING NOTES: TRUSSES. THE NOTE PAGE  
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CONTAINS SPECIFICATIONS AND CRITERIA USED  
IN THE DESIGN OF THIS COMPONENT.





TOTAL WEIGHT = 105 lb

**LUMBER**

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - F	2x4	DRY	2100F 1.8E	SPF
F - I	2x4	DRY	No.2	SPF
J - H	2x6	DRY	No.2	SPF
Q - A	2x6	DRY	No.2	SPF
Q - M	2x4	DRY	2100F 1.8E	SPF
M - J	2x4	DRY	2100F 1.8E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
K - H	2x4	DRY	No.2	SPF
A - P	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

**PLATES (table is in inches)**

JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	6.0	8.0	2.50 4.00
B	TMVW-t	MT20	3.0	5.0	1.50 2.25
C	TTWW-m	MT20	5.0	8.0	2.00 3.75
D	TMW+w	MT20	2.0	4.0	
E	TMVW+t	MT20	3.0	4.0	
F	TTWW-m	MT20	5.0	8.0	2.00 3.75
G	TMVW-t	MT20	4.0	4.0	2.00 1.50
H	TMVW-t	MT20	5.0	8.0	1.75 3.75
J	BMV1+p	MT20	3.0	5.0	
K	BMVW-t	MT20	4.0	8.0	1.75 2.25
L	BMVW-t	MT20	3.0	4.0	1.50 1.75
M	BSWW-t	MT18HS	6.0	12.0	3.25 5.50
N	BMVWW-t	MT20	4.0	8.0	1.75 3.75
O	BMVW-t	MT20	3.0	4.0	
P	BMVW-t	MT20	4.0	8.0	1.75 2.00
Q	BMV1+t	MT20	4.0	6.0	3.50

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

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	DOWN	UPLIFT	IN-SX
Q	3450	0	3450	0
J	3628	0	3628	0

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

**UNFACTORED REACTIONS**

1ST LCASE	MAX./MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	2414	1729 / 0	0 / 0	0 / 0	0 / 0	686 / 0	0 / 0
J	2536	1832 / 0	0 / 0	0 / 0	0 / 0	704 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) J  
BEARING SIZE FACTOR = 1.15 AT JNT(S) J ( BASED ON SUPPORT DEPTH = 1-8 )

**BRACING**

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.51 FT.  
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

**LOADING**

TOTAL LOAD CASES: (4)

C H O R D S				W E B S			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	-4926 / 0	-119.4 -119.4	0.52 (1)	2.67	P-B	-935 / 0	0.17 (1)
B-C	-5378 / 0	-119.4 -119.4	0.55 (1)	2.51	B-O	0 / 482	0.12 (1)
C-D	-6338 / 0	-246.3 -246.3	0.73 (1)	2.72	O-C	-118 / 110	0.04 (4)
D-E	-6338 / 0	-246.3 -246.3	0.74 (1)	2.70	C-N	0 / 2026	0.50 (1)
E-F	-6290 / 0	-246.3 -246.3	0.74 (1)	2.71	N-D	-1187 / 0	0.33 (1)
F-G	-5223 / 0	-119.4 -119.4	0.50 (1)	2.60	D-E	0 / 64	0.02 (4)
G-H	-4649 / 0	-119.4 -119.4	0.47 (1)	2.82	M-E	-1238 / 0	0.34 (1)
H-I	0 / 36	-119.4 -119.4	0.17 (1)	10.00	M-F	0 / 2141	0.53 (1)
J-H	-3556 / 0	0.0 0.0	0.25 (1)	5.53	L-F	-228 / 102	0.06 (1)
Q-A	-3376 / 0	0.0 0.0	0.24 (1)	5.66	L-G	0 / 642	0.16 (1)
					K-G	-1091 / 0	0.20 (1)
Q-P	0 / 0	-37.6 -37.6	0.07 (1)	10.00	K-H	0 / 4325	0.76 (1)
P-O	0 / 4417	-37.6 -37.6	0.42 (1)	10.00	A-P	0 / 4529	0.80 (1)
O-N	0 / 4796	-37.6 -37.6	0.46 (1)	10.00			
N-M	0 / 6290	-37.6 -37.6	0.60 (1)	10.00			
M-L	0 / 4661	-37.6 -37.6	0.45 (1)	10.00			
L-K	0 / 4169	-37.6 -37.6	0.41 (1)	10.00			
K-J	0 / 0	-37.6 -37.6	0.07 (4)	10.00			

**SPECIFIED CONCENTRATED LOADS (LBS)**

JT	LOC.	LC1 MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	6-3-0	-404	-404	---	FRONT	VERT	---	C1
F	19-9-0	-388	-388	---	FRONT	VERT	---	C1

**CONNECTION REQUIREMENTS**

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

**DESIGN CRITERIA****SPECIFIED LOADS:**

TOP CH.	LL	=	34.8	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.3	PSF
TOTAL LOAD	=	48.1	PSF	

SPACING = 24.0 IN. C/C

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

GIRDER TYPE: CPrimeHip  
LEFT SETBACK = 6-3-0  
RIGHT SETBACK = 6-0-0  
END SETBACK = 6-3-0  
END WALL WIDTH = 0-0  
CORNER FRAMING TYPE: CONVENTIONAL  
END JACK TYPE: CONVENTIONAL  
APPLIED TO FRONT SIDE  
- ADD'L LOADS BASED ON 55 % OF GSL.

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

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

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.86")  
CALCULATED VERT. DEFL.(LL)= L/ 999 (0.23")  
ALLOWABLE DEFL.(TL)= L/360 (0.86")  
CALCULATED VERT. DEFL.(TL)= L/ 761 (0.41")

CSI: TC=0.74/0.97 (E-F:1) , BC=0.60/0.97 (M-N:1)  
WB=0.80/0.97 (A-P:1) , SSI=0.57/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES  
PLATE GRIP(DRY) SHEAR SECTION  
(PSI) (PLI) (PLI)  
MAX MIN MAX MIN MAX MIN  
MT20 650 371 1747 788 1987 1873  
MT18HS 586 403 2455 1382 3163 3004

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (N) (INPUT = 0.90 )  
JSI METAL= 0.89 (A) (INPUT = 1.00 )



JULY 13, 2023

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



JOB NAME	TRUSS NAME	QUANTITY COPY	JOB DESC.	DRWG NO.
IM0723-082	G05	Nov 22 2023	TRUSS DESC.	

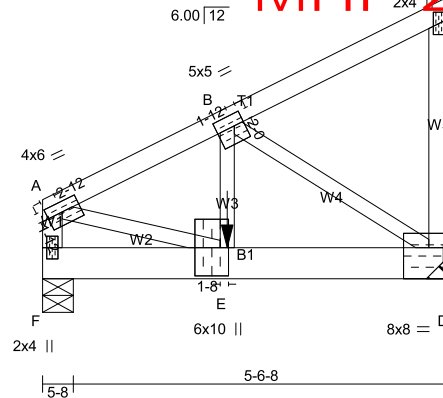
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PER:  CHIEF BUILDING OFFICIAL

2-8-12 3-3-4 6-0-0

Scale = 1:34.0



TOTAL WEIGHT = 2 X 29 = 58 lb

**LUMBER**

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
F - A	2x4	DRY	No.2	SPF
A - C	2x4	DRY	No.2	SPF
D - C	2x4	DRY	No.2	SPF
F - D	2x6	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
DRY: SEASONED LUMBER.				

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
F - A 1 12	TOP	
A - C 1 12	SIDE(53.4)	
C - D 1 12	TOP	
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
F - D 2 6	SIDE(400.8)	
WEBS : (0.122"x3") SPIRAL NAILS		
2x3 1 6		

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

**PLATES (table is in inches)**

JT TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	4.0	6.0	1.75 2.75
B	TMVW-t	MT20	5.0	5.0	2.00 1.75
C	TMV+p	MT20	2.0	4.0	
D	BMVW1-t	MT20	8.0	8.0	5.50 Edge
E	BMVW+t	MT20	6.0	10.0	5.00 1.50
F	BMV1+p	MT20	2.0	4.0	

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

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

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
F	3301	0	3301	0
D	3977	0	3977	0

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

**UNFACTORED REACTIONS**

JT	1ST LCASE	MAX./MIN.	COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	
F	2307	1669 / 0	0 / 0	0 / 0	0 / 0	638 / 0	0 / 0	
D	2779	2011 / 0	0 / 0	0 / 0	0 / 0	768 / 0	0 / 0	

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

**BRACING**

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.42 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

**LOADING**

TOTAL LOAD CASES: (4)

C H O R D S				W E B S			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX LC1 MAX CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
F - A	-3279 / 0	0.0 0.0 0.18 (1)	6.35	A - E	0 / 3964	0.49 (1)	
A - B	-4247 / 0	-238.9 -238.9 0.20 (1)	4.42	E - B	0 / 3813	0.47 (1)	
B - C	-13 / 0	-119.4 -119.4 0.09 (1)	6.25	B - D	-4556 / 0	0.59 (1)	
D - C	-165 / 0	0.0 0.0 0.02 (1)	7.81				
F - E	0 / 0	-36.5 -36.5 0.03 (1)	10.00				
E - D	0 / 3813	-819.9 -819.9 0.64 (1)	10.00				

**SPECIFIED CONCENTRATED LOADS (LBS)**

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
E	2-8-12	-2414	-2414	---	FRONT	VERT	TOTAL	---	C1

**CONNECTION REQUIREMENTS**

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

**DESIGN CRITERIA**

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

**SPECIFIED LOADS:**

TOP CH.	LL	=	34.8	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.3	PSF
TOTAL LOAD	=	48.1	PSF	

**SPACING = 24.0 IN. C/C**

GIRDER TYPE: CStdGirder  
START DISTANCE = 2-8-12  
END SETBACK = 6-0-0  
END SPAN CARRIED = 25-9-0  
END DISTANCE = 6-0-0  
END SPAN CARRIED = 25-9-0  
END WALL WIDTH = 5-8  
APPLIED TO FRONT SIDE OF BOTTOM CHORD.  
- ADDT'L LOADS BASED ON 55 % OF GSL.

GIRDER TYPE: CPrimeHip  
SIDE SETBACK = 0-0  
END SETBACK = 6-0-0  
END WALL WIDTH = 0-0  
CORNER FRAMING TYPE: CONVENTIONAL  
END JACK TYPE: CONVENTIONAL  
APPLIED TO FRONT SIDE  
- ADDT'L LOADS BASED ON 55 % OF GSL.  
LOADS APPLIED TO FIRST 2-8-12 OF SPAN MEASURED FROM THE LEFT.

\*\*\* NON STANDARD GIRDER \*\*\*  
ADDT'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

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

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

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.20")  
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")  
ALLOWABLE DEFL.(TL)= L/360 (0.20")  
CALCULATED VERT. DEFL.(TL) = L/999 (0.05")

CSI: TC=0.20/0.97 (A-B:1) , BC=0.64/0.97 (D-E:1) , WB=0.59/0.97 (B-D:1) , SSI=0.45/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

CONTINUED ON PAGE 2



JULY 13, 2023

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



JOB NAME	TRUSS NAME	QUANTITY COPY	JOB DESC.	DRWG NO.
IM0723-082	G05	OF PERMIT PLANS	TRUSS DESC.	

Nov 22 2023

PER:

CHIEF BUILDING OFFICIAL

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Thu Jul 13 08:57:35 2023 Page 2  
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MHP 23029

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (A) (INPUT = 0.90 )  
JSI METAL= 0.57 (E) (INPUT = 1.00 )



JULY 13, 2023

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JOB NAME

TRUSS NAME

UNITARY COPY  
OF PERMIT PLANS  
Nov 22 2023

JOB DESC.

DRWG NO.

IM0723-082

G06

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2-1-4 1-10-12 1-1-7 3-2-5-8 4-0

14-10-0 3-5-0 18-3-0 3-5-0 21-8-0 4-6-12 26-2-12 4-9-4 31-0-0 32-3-8 1-3-8

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JOB NAME	TRUSS NAME	QUANTITY COPY	JOB DESC.	DRWG NO.
IM0723-082	G06	OF PERMIT PLANS	TRUSS DESC.	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Thu Jul 13 08:57:36 2023 Page 2  
 ID:bcGHXsLhLjMpVeVc 4eeDgzAk?y-vEwrz?QmLCD7sm?MRRU0CJ6B1G23Fyb7qb6fUwyyY0z

PER: *C. M. ...*  
 CHIEF BUILDING OFFICIAL

# MHP 23029

## PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+t	MT20	5.0	6.0	1.75	Edge
B	TMWW+t	MT20	4.0	5.0	2.00	1.50
C	TTWW+m	MT20	6.0	8.0	2.50	2.75
D	TMWW-t	MT20	3.0	4.0		
E	TMWW-t	MT20	3.0	4.0		
F	TTWW+m	MT20	5.0	6.0	3.25	2.25
G	TTWW-m	MT20	5.0	6.0	2.25	2.50
H	TMW+w	MT20	2.0	4.0		
I	TTWW+m	MT20	5.0	6.0	Edge	3.50
J	TMWW-t	MT20	3.0	4.0	1.50	1.75
K	TMBMW1-m	MT20	8.0	8.0	1.50	4.00
M	BMWW+t	MT20	4.0	6.0	2.25	2.00
N, R, S						
N	BMWW-t	MT20	4.0	4.0	2.25	2.00
O	BMWWWW-t	MT20	5.0	8.0		
P	BS-t	MT20	6.0	8.0		
Q	BMWW+t	MT20	4.0	6.0	2.50	1.75
T	BMWW+t	MT20	4.0	8.0		
U	BMWW+t	MT20	4.0	5.0	2.50	1.50
V	BMWW+t	MT20	5.0	6.0	2.50	1.50
W	BMV1+t	MT20	4.0	10.0	7.25	

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (Q) (INPUT = 0.90 )

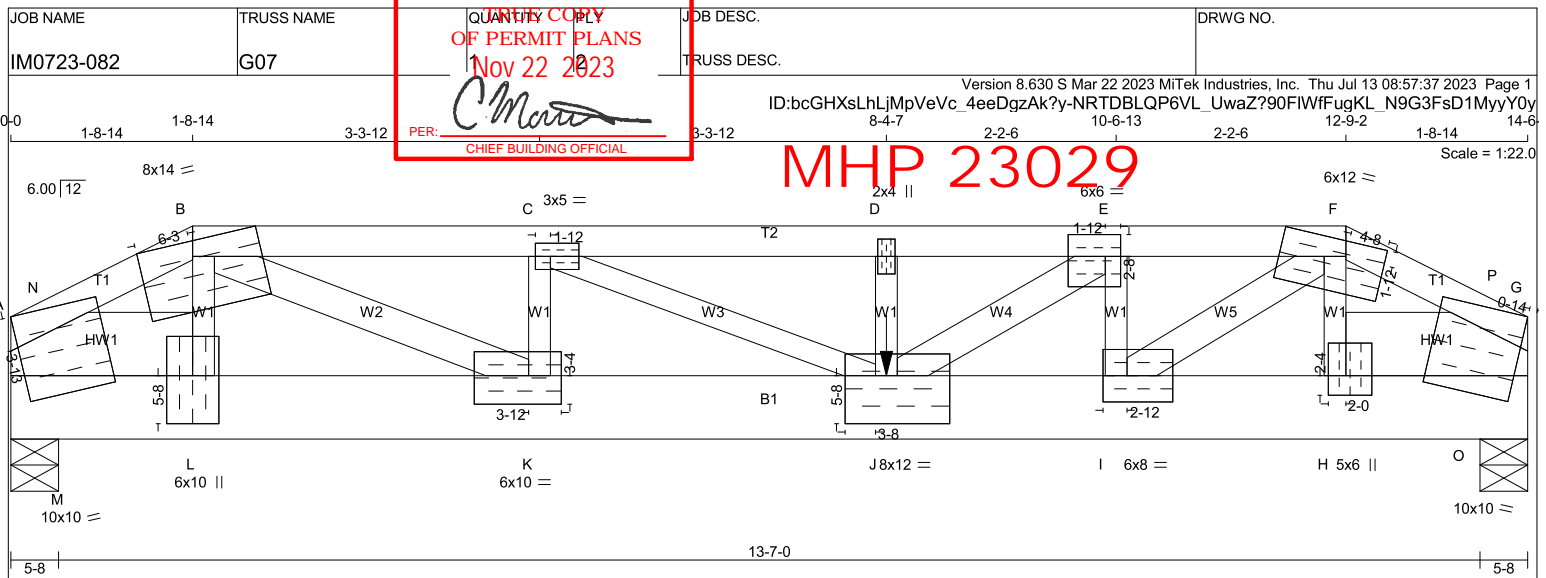
JSI METAL= 0.86 (A) (INPUT = 1.00 )



JULY 13, 2023

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





TOTAL WEIGHT = 2 X 76 = 152 lb

**LUMBER**

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - B	2x4	DRY	No.2	SPF
B - F	2x4	DRY	2100F 1.8E	SPF
F - G	2x4	DRY	No.2	SPF
A - G	2x8	DRY	1950F 1.7E	SPF

REINFORCING MEMBERS				
HW1	2x8	DRY	No.2	SPF
HW2	2x8	DRY	No.2	SPF

ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
B - K	2x4	DRY	2100F 1.8E	SPF
J - E	2x4	DRY	No.2	SPF
I - F	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-B	1	12
B-F	1	12
F-G	1	12
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
A-G	2	5
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	1	6
2x4	1	6
2x8	2	6

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

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

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

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

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	UP/LIFT	IN-SX
A	9395	0	9395	0
G	6850	0	6850	0

**UNFACTORED REACTIONS**

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
A	6566	4751 / 0	0 / 0	0 / 0	0 / 0	1815 / 0	0 / 0
G	4787	3464 / 0	0 / 0	0 / 0	0 / 0	1323 / 0	0 / 0

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

**BRACING**

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 1.82 FT.  
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

**LOADING**

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO			FR-TO		
A-N	-8637 / 0	-119.4 -119.4	0.25 (1)	3.16	L-B	-186 / 0	0.01 (1)
N-B	-11364 / 0	-119.4 -119.4	0.42 (1)	2.55	B-K	0 / 11567	0.48 (1)
B-C	-20573 / 0	-119.4 -119.4	0.58 (1)	2.27	K-C	-1489 / 0	0.12 (1)
C-D	-22820 / 0	-119.4 -119.4	0.79 (1)	1.82	C-J	0 / 2491	0.31 (1)
D-E	-22820 / 0	-119.4 -119.4	0.70 (1)	1.89	J-D	-142 / 2	0.01 (1)
E-F	-15776 / 0	-119.4 -119.4	0.31 (1)	2.91	J-E	0 / 8695	0.77 (1)
F-P	-9025 / 0	-119.4 -119.4	0.26 (1)	3.08	I-E	-5378 / 0	0.42 (1)
P-G	-6700 / 0	-119.4 -119.4	0.14 (1)	3.68	I-F	0 / 9675	0.86 (1)
					H-F	-1857 / 0	0.15 (1)
A-M	0 / 4224	-1000.6 -1000.6	0.20 (1)	10.00	M-N	-2171 / 0	0.00 (1)
M-L	0 / 4224	-1000.6 -1000.6	0.24 (1)	10.00	N-L	0 / 7422	0.40 (1)
L-K	0 / 10131	-1000.6 -1000.6	0.37 (1)	10.00	O-P	-1951 / 0	0.00 (1)
K-J	0 / 20573	-1000.6 -1000.6	0.88 (1)	10.00	P-H	0 / 5949	0.32 (1)
J-I	0 / 15776	-18.2 -18.2	0.72 (1)	10.00			
I-H	0 / 7923	-18.2 -18.2	0.28 (1)	10.00			
H-O	0 / 3301	-18.2 -18.2	0.17 (1)	10.00			
O-G	0 / 3301	-18.2 -18.2	0.14 (1)	10.00			

**SPECIFIED CONCENTRATED LOADS (LBS)**

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
J	8-4-7	-4212	-4212	---	FRONT	VERT	TOTAL	---	C1

**CONNECTION REQUIREMENTS**

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

**DESIGN CRITERIA**

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

**SPECIFIED LOADS:**

TOP	CH.	LL	=	34.8	PSF
		DL	=	6.0	PSF
BOT	CH.	LL	=	0.0	PSF
		DL	=	7.3	PSF
TOTAL		LOAD	=	48.1	PSF

**SPACING = 24.0 IN./C**

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

GIRDER TYPE: CSldGirder  
START DISTANCE = 0-0  
START SPAN CARRIED = 31-0-0  
END DISTANCE = 8-4-7  
END SPAN CARRIED = 31-0-0  
END WALL WIDTH = 5-8  
APPLIED TO FRONT SIDE OF BOTTOM CHORD.  
- ADDTL LOADS BASED ON 55 % OF GSL.

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

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

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

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.48")  
CALCULATED VERT. DEFL.(LL) = L/764 (0.23")  
ALLOWABLE DEFL.(TL) = L/360 (0.48")  
CALCULATED VERT. DEFL.(TL) = L/446 (0.39")

CSI: TC=0.79/0.97 (C-D:1), BC=0.88/0.97 (J-K:1), WB=0.86/0.97 (F-I:1), SSI=0.70/1.00 (J-K:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

**NAIL VALUES**

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

CONTINUED ON PAGE 2



JULY 13, 2023

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

JOB NAME	TRUSS NAME	QUANTITY COPY	JOB DESC.	DRWG NO.
IM0723-082	G07	OF PERMIT PLANS	TRUSS DESC.	

Nov 22 2023

PER: *C. M. ...*  
CHIEF BUILDING OFFICIALVersion 8.630 S Mar 22 2023 MiTek Industries, Inc. Thu Jul 13 08:57:37 2023 Page 2  
ID:bcGHXsLhLjMpVeVc 4eeDgzAk?y-NRTDBLP6VL UwaZ?90FIWfFugKL N9G3FsD1MyyY0y**PLATES (table in inches)**

JT	TYPE	PLATES	W	LEN	Y	X
A	TMBMW1-m	MT20	10.0	10.0	3.75	Edge
B	TTWW-m	MT20	8.0	14.0	Edge	6.25
C	TMWW-t	MT20	3.0	5.0	1.50	1.75
D	TMW+w	MT20	2.0	4.0		
E	TMWW-t	MT20	6.0	6.0	2.50	1.75
F	TTWW-m	MT20	6.0	12.0	1.75	4.50
G	TMBMW1-m	MT20	10.0	10.0	Edge	1.00
H	BMWW+t	MT20	5.0	6.0	2.25	2.00
I	BMWW-t	MT20	6.0	8.0	3.00	2.75
J	BMWWW-t	MT20	8.0	12.0	5.50	3.50
K	BMWW-t	MT20	6.0	10.0	3.25	3.75
L	BMWW+t	MT20	6.0	10.0	5.50	3.00

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

MHP 23029

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (K) (INPUT = 0.90 )

JSI METAL= 0.89 (L) (INPUT = 1.00 )



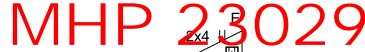
JULY 13, 2023

READ ALL NOTES ON THIS PAGE AND ON THE  
ENGINEERING NOTES: TRUSSES. THE NOTE PAGE  
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IN THE DESIGN OF THIS COMPONENT.



**TRUE COPY**  
**OF PERMIT PLANS**  
Nov 22 2023  
*C. Morris*  
PER: \_\_\_\_\_  
**CHIEF BUILDING OFFICIAL**

Scale = 1:32.8



TOTAL WEIGHT = 24 lb

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



JOB NAME	TRUSS NAME	QUANTITY COPY OF PERMIT PLANS Nov 22 2023	JOB DESC.	DRWG NO.
IM0723-082	J01		TRUSS DESC.	

Version 8.630 S Mar 22 2023 Mitek Industries, Inc. Thu Jul 13 08:57:39 2023 Page 1

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PER:   
CHIEF BUILDING OFFICIAL

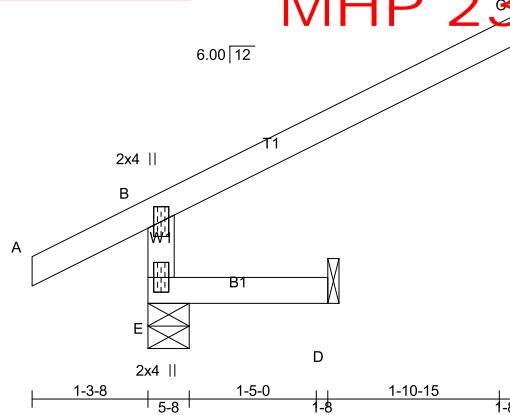
2-0-0

2-0-0

2-0-7

4-0-7

Scale = 1:25.7



TOTAL WEIGHT = 3 X 10 = 30 lb

**LUMBER**

N. L. G. A. RULES

CHORDS SIZE

E - B 2x4 DRY

A - C 2x4 DRY

E - D 2x4 DRY

LUMBER

No.2

No.2

No.2

DESCR.

SPF

SPF

SPF

DRY: SEASONED LUMBER.

**PLATES (table is in inches)**

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	2.0	4.0		
E	BMV1+p	MT20	2.0	4.0		

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

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
E	483	0	483	0
C	181	0	181	0
D	16	0	18	0

SEE MITEK STANDARD DETAIL MSD2015-H FOR CONNECTION TO JOINT(S) C, D

**UNFACTORED REACTIONS**

JT	1ST LCASE	MAX./MIN.	COMPONENT REACTIONS				
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	333	270 / 0	0 / 0	0 / 0	0 / 0	63 / 0	0 / 0
C	124	105 / 0	0 / 0	0 / 0	0 / 0	18 / 0	0 / 0
D	13	0 / 0	0 / 0	0 / 0	0 / 0	13 / 0	0 / 0

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

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

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

**LOADING**

TOTAL LOAD CASES: (4)

C H O R D S				W E B S			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH
FR-TO		FROM TO			FR-TO		
E-B	-463 / 0	0.0	0.0	0.01 (4)	7.81		
A-B	0 / 36	-119.4	-119.4	0.16 (1)	10.00		
B-C	-27 / 0	-119.4	-119.4	0.33 (1)	6.25		
E-D	0 / 0	-18.2	-18.2	0.02 (4)	10.00		

**DESIGN CRITERIA**

SPECIFIED LOADS:

TOP CH. LL = 34.8 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.3 PSF

TOTAL LOAD = 48.1 PSF

**SPACING = 24.0 IN. C/C**

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018, NBC-2019AE
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

DESIGN ASSUMPTIONS

-OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.19")  
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")  
ALLOWABLE DEFL.(TL)= L/360 (0.19")  
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.00")CSI: TC=0.33/0.97 (B-C:1), BC=0.02/0.97 (D-E:4),  
WB=0.00/0.97 (n/a:0), SSI=0.21/1.00 (B-C:1)DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10  
COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

**NAIL VALUES**

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.26 (B) (INPUT = 0.90 )  
JSI METAL= 0.19 (B) (INPUT = 1.00 )

JULY 13, 2023

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

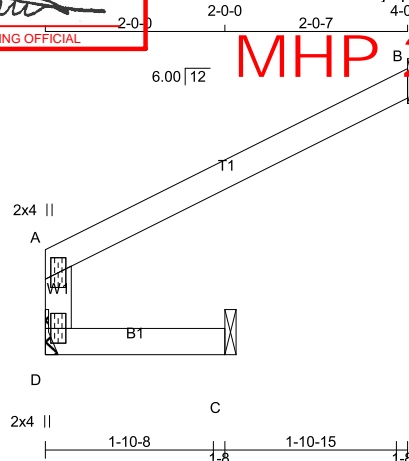


JOB NAME	TRUSS NAME	JOB DESC.	DRWG NO.
IM0723-082	J01A		

ENG-IM0723-082-KT  
 QUANTITY COPY  
 OF PERMIT PLANS  
 Nov 22 2023  
 PER: *Chmora*  
 CHIEF BUILDING OFFICIAL

Version 8.630 S Mar 22 2023 Mitek Industries, Inc. Thu Jul 13 08:57:39 2023 Page 1  
 ID:bcGHXsLhLjMpVeVc\_4eeDgzAk?y-Jpb\_c1Sfe7bjEjx6a2jqxkkwUA1SU?ZWZLK5FyyY0w

Scale = 1:25.7



TOTAL WEIGHT = 8 lb

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

DRY: SEASONED LUMBER.

**PLATES (table is in inches)**

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	2.0	4.0		
D	BMV1+p	MT20	2.0	4.0		

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

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
D	229	0	229	0
B	212	0	212	0
C	78	0	78	0

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

SEE MITEK STANDARD DETAIL MSD2015-H FOR CONNECTION TO JOINT(S) B , C

**UNFACTORED REACTIONS**

JT	1ST LCASE COMBINED	MAX./MIN. SNOW	MAX./MIN. LIVE	MAX./MIN. PERM. LIVE	MAX./MIN. WIND	MAX./MIN. DEAD	MAX./MIN. SOIL
D	159	123 / 0	0 / 0	0 / 0	0 / 0	36 / 0	0 / 0
B	145	123 / 0	0 / 0	0 / 0	0 / 0	22 / 0	0 / 0
C	55	35 / 0	0 / 0	0 / 0	0 / 0	20 / 0	0 / 0

**BRACING**

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

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

**LOADING**

TOTAL LOAD CASES: (4)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (PLF)	MAX. FACTORED HORIZ. LOAD (PLF)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED HORIZ. LOAD (PLF)
FR-TO					FR-TO		
D-A	-270 / 0	0.0	0.0	0.14 (1)	D-A	-270 / 0	0.14 (1)
A-B	-13 / 0	-119.4	-119.4	0.24 (1)	A-B	-13 / 0	0.24 (1)
D-C	0 / 0	-18.2	-18.2	0.16 (1)	D-C	0 / 0	0.16 (1)

**DESIGN CRITERIA****SPECIFIED LOADS:**

TOP CH.	LL	=	34.8	PSF
	DL	=	6.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.3	PSF
TOTAL LOAD	=	48.1	PSF	

**SPACING = 24.0 IN. C/C**

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

**THIS DESIGN COMPLIES WITH:**

- PART 9 OF BCBC 2018 , NBC-2019AE
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD

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

CSI: TC=0.24/0.97 (A-B:1) , BC=0.16/0.97 (C-D:1) ,  
 WB=0.00/0.97 (n/a:0) , SSI=0.19/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

**NAIL VALUES**

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.15 (A) (INPUT = 0.90 )  
 JSI METAL= 0.11 (A) (INPUT = 1.00 )



JULY 13, 2023

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

