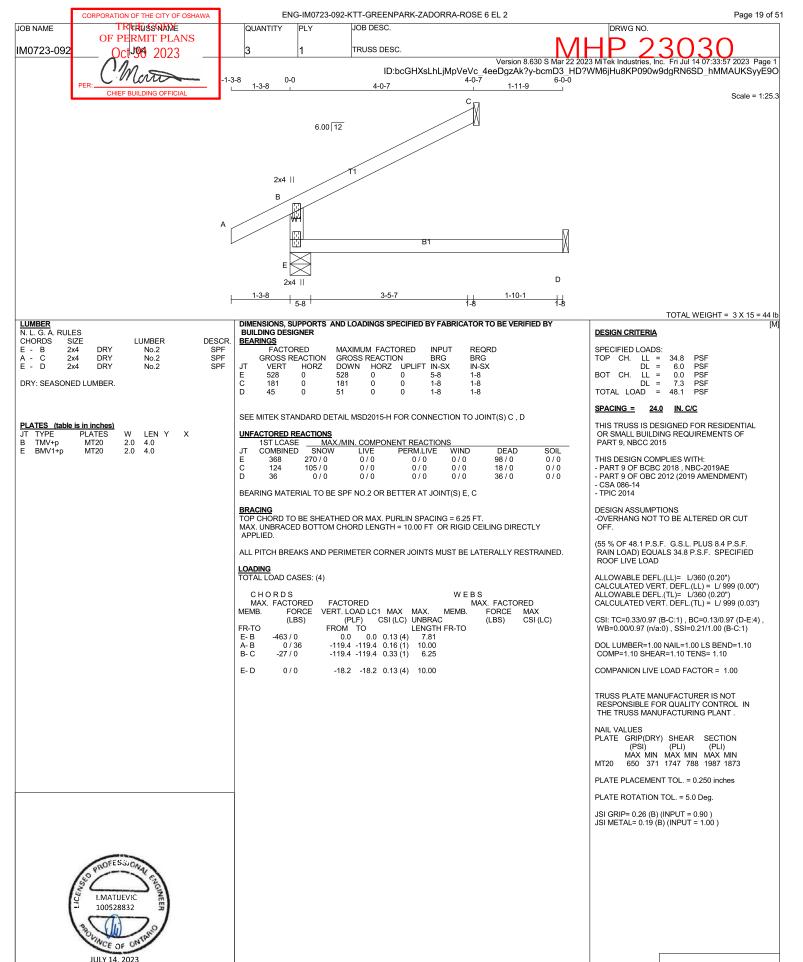




IN THE DESIGN OF THIS COMPONENT.







JOB DESC. TRUSS DESC.

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ID:bcGHXsLhLjMpVeVc\_4eeDgzAk?y-3oKbGKlrmqUzLRTLu6XOZ7ii7rjLBgDrb0v1tvyyE9N 6-0-0 Scale = 1:34.0

6.00 12 2x4 II D 2x4 || 1-3-8

TOTAL WEIGHT = 8 X 17 = 137 lb

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ULES			
SIZE		LUMBER	DESCR.
2x4	DRY	No.2	SPF
2x4	DRY	No.2	SPF
2x4	DRY	No.2	SPF
ONED LI	JMBER.		
	2x4 2x4 2x4	SIZE 2x4 DRY 2x4 DRY	SIZE         LUMBER           2x4         DRY         No.2           2x4         DRY         No.2           2x4         DRY         No.2

PL/	ATES (table	e is in inches)			
JT	TYPE	PLATES	W	LEN Y	Х
В	TMV+p	MT20	2.0	4.0	
Е	BMV1+p	MT20	2.0	4.0	

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

BEAL	RINGS						
	FACTOR	RED	MAXIMU	M FACTO	ORED	INPUT	REQRD
	<b>GROSS RE</b>	ACTION	GROSS I	REACTIO	N	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
E	674	0	674	0	0	5-8	1-8
С	269	0	269	0	0	1-8	1-8
D	45	0	51	0	0	1-8	1-8

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

<u>UNFACTORED REA</u>	CTIONS
1ST LCASE	MAX./MIN. COI

-1-3-8

1-3-8

1ST LCASE	MAX./I	MIN. COMPO	NENT REACTION	15		
COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
468	355 / 0	0/0	0/0	0/0	113 / 0	0/0
184	157 / 0	0/0	0/0	0/0	27 / 0	0/0
36	0/0	0/0	0/0	0/0	36 / 0	0/0
	COMBINED 468 184	COMBINED SNOW 468 355 / 0 184 157 / 0	COMBINED SNOW LIVE 468 355 / 0 0 / 0 184 157 / 0 0 / 0	COMBINED SNOW LIVE PERM.LIVE 468 355 / 0 0 / 0 0 / 0 184 157 / 0 0 / 0 0 / 0	COMBINED         SNOW         LIVE         PERM.LIVE         WIND           468         355/0         0/0         0/0         0/0           184         157/0         0/0         0/0         0/0	COMBINED         SNOW         LIVE         PERMLIVE         WIND         DEAD           468         355/0         0/0         0/0         0/0         113/0           184         157/0         0/0         0/0         0/0         27/0

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

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

LOADING TOTAL LOAD CASES: (4)

сно	ORDS	WEBS				
MAX.	FACTORED	FACTORED		MA	X. FACTO	RED
MEMB.	FORCE	VERT. LOAD LC1 MA	AX MAX.	MEMB.	FORCE	MAX
	(LBS)	(PLF) CSI (	LC) UNBRAC		(LBS)	CSI (LC)
FR-TO		FROM TO	LENGTH	I FR-TO		
E-B	-610 / 0	0.0 0.0 0.1	3 (4) 7.81			
A-B	0 / 36	-119.4 -119.4 0.10	3 (1) 10.00			
B- C	-40 / 0	-119.4 -119.4 0.73	3 (1) 6.25			
E- D	0/0	-18.2 -18.2 0.1	3 (4) 10.00			



SPEC	IFIED	LOAI	DS:		
TOP	CH.	LL	=	34.8	PSI
		DL	=	6.0	PS
BOT	CH.	LL	=	0.0	PSI
		DL	=	7.3	PSI
TOTA	J IO	AD	=	48 1	PS

### 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

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

CSI: TC=0.73/0.97 (B-C:1) , BC=0.13/0.97 (D-E:4) , WB=0.00/0.97 (n/a:0) , SSI=0.31/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

MAX MIN MAX MIN MAX MIN MAX MIN

MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.34 (B) (INPUT = 0.90) JSI METAL= 0.25 (B) (INPUT = 1.00)





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QUANTITY JOB DESC. PLY TRUSS DESC.

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ID:bcGHXsLhLjMpVeVc\_4eeDgzAk?y-3oKbGKIrmqUzLRTLu6XOZ7ityrlKBgDrb0v1tvyyE9N 2-3-4 Scale: 3/4"=1

2-3-4 В 6.00 12 T1 Ε B1

С 1-5-4

TOTAL WEIGHT = 3 X 10 = 29 lb

LUMBER				
N. L. G. A. I	RULES			
CHORDS	SIZE		LUMBER	DESCR.
A - B	2x4	DRY	No.2	SPF
A - C	2x4	DRY	No.2	SPF
REINFORC	ING MEM	IBERS		
HW1	2x6	DRY	No.2	SPF

DRY: SEASONED LUMBER

PLATES (table is in inches)
JT TYPE PLATES
A TMBMW1-m MT20 LEN Y 4.0 6.0 1.75 1.00 DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

DEAL	MINGS						
	FACTO		MAXIMU			INPUT	REQRD
	GROSS F	REACTION	GROSS	REACTIC	N	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
D(A)	218	0	218	0	0	3-0	1-8
В	81	0	81	0	0	1-8	1-8
С	13	0	14	0	0	1-8	1-8

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

UNFACTORED REACTIONS

0-0

	1ST LCASE	MAX./	MIN. COMPON	IENT REACTION	NS		
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D(A)	153	110 / 0	0/0	0/0	0/0	42 / 0	0/0
В	55	47 / 0	0/0	0/0	0/0	8/0	0/0
С	11	0/0	0/0	0/0	0/0	10 / 0	0/0

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

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

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

LOADING TOTAL LOAD CASES: (4)

СНО	RDS				W E	BS		
MAX.	FACTORED	FACTORED				MAX. FACTO	RED	
MEMB.	FORCE	VERT. LOAD LO	1 MAX	MAX.	MEMB.	FORCE	MAX	
	(LBS)	(PLF)	CSI (LC)	UNBRAC		(LBS)	CSI (LC)	
FR-TO		FROM TO		LENGTH	FR-TO			
A-E	0 / 29	-119.4 -119.4	0.04(1)	10.00	D- E	-192 / 0	0.00(1)	
E-B	-7 / 0	-119.4 -119.4	0.03 (1)	10.00				
A- D	0/0	-18.2 -18.2	0.01 (4)	10.00				
D- C	0/0	-18.2 -18.2						

DESIGN CRITERIA

SPECIFIED LOADS PSF PSF PSF 34.8 6.0 TOP CH. DL = 0.0 7.3 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 (0.00")

CSI: TC=0.04/0.97 (A-E:1) , BC=0.01/0.97 (A-D:4) , WB=0.00/0.97 (D-E:1) , SSI=0.08/1.00 (B-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.14 (A) (INPUT = 0.90 ) JSI METAL= 0.02 (A) (INPUT = 1.00 )





JOB DESC.

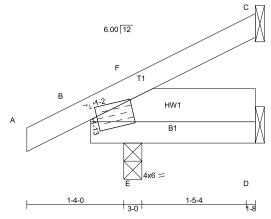
TRUSS DESC.

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-10-8 0-0 2-3-4 10-8

Scale: 3/4"=1

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TOTAL WEIGHT = 3 X 11 = 33 lb

LUMBER				
N. L. G. A. I	RULES			
CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
B - D	2x4	DRY	No.2	SPF
REINFORC	ING MEM	1BERS		
HW1	2x6	DRY	No.2	SPF
l				

DRY: SEASONED LUMBER

PLATES (table is in inches)
JT TYPE PLATES
B TMBMW1-m MT20 LEN Y 4.0 6.0 1.75 1.00 DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

	FACTO	RED	MAXIMU	M FACT	ORED	INPUT	REQRD
	GROSS R	EACTION	GROSS REACTION			BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
2	71	0	71	0	-3	1-8	1-8
E(B)	375	0	375	0	0	3-0	1-8
. ·	-21	0	9	0	-26	1-8	1-8

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

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS FACTORED PROVIDE ANCHORAGE AT BEARING JOINT D FOR 150 LBS FACTORED

UNFACTORED REACTIONS

	1ST LCASE	MAX./I	MAX./MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL		
С	49	42 / -6	0/0	0/0	0/0	7/0	0/0		
E(B)	260	202 / 0	0/0	0/0	0/0	58 / 0	0/0		
D.	-13	0 / -20	0/0	0/0	0/0	7/0	0/0		

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

QUANTITY

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT MAX. UNBRACED BOTTOM CHORD LENGTH =  $10.00 \; \text{FT}$  OR RIGID CEILING DIRECTLY

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

LOADING TOTAL LOAD CASES: (5)

СНО	RDS					WE	BS	
MAX.	FACTORED	FACTO	RED				MAX. FACTO	RED
MEMB.	FORCE	VERT. LO	AD LC1	1 MAX	MAX.	MEMB.	FORCE	MAX
	(LBS)	(PL	.F) (	CSI (LC)	<b>UNBRAC</b>		(LBS)	CSI (LC)
FR-TO		FROM	TO		LENGTH	FR-TO		
A- B	0/8	-119.4	-119.4	0.07 (5)	10.00	E-F	-227 / 0	0.00(1)
B- F	0 / 47	-119.4	-119.4	0.06(1)	10.00			
F-C	-12 / 0	-119.4	-119.4	0.06(1)	6.25			
B- E	0/0			0.08 (5)				
E- D	0/0	-18.2	-18.2	0.02 (5)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

PATTERN-LOADING CHECK APPLIED TO THIS TRUSS.

**DESIGN CRITERIA** 

SPECIFIED LOADS PSF PSF PSF 34.8 6.0 TOP CH. DL = LL = BOT CH. 0.0 7.3 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 (0.00")

CSI: TC=0.07/0.97 (A-B:5) , BC=0.08/0.97 (B-E:5) , WB=0.00/0.97 (E-F:1) , SSI=0.09/1.00 (A-B:5)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.30 (B) (INPUT = 0.90 ) JSI METAL= 0.03 (B) (INPUT = 1.00 )





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JOB DESC. QUANTITY TRUSS DESC.

0-0

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2-0-0 2-0-7 0<sub>0</sub>7 2-0-0 В 10.00 12 2x4 || С

Scale = 1:26.7

TOTAL WEIGHT = 7 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)
JT TYPE PLATES LEN Y TMV+p MT20 2.0 40 BMV1+p

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

00

<u> </u>	111100						
	FACTOR		MAXIMUN	M FACTO	INPUT	REQRD	
	GROSS RE	EACTION	GROSS F	REACTIO	N	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
D	140	0	140	0	0	5-8	1-8
В	113	0	113	0	0	1-8	1-8
С	27	0	27	0	0	1-8	1-8

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

UNFACTORED REACTIONS 
 MAX./MIN. COMPONENT REACTIONS

 SNOW
 LIVE
 PERM.LIVE
 WIND

 71/0
 0/0
 0/0
 0/0
 COMBINED DEAD D 98 27 / 0

0/0

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

6/0

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

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

LOADING TOTAL LOAD CASES: (4)

	RDS	FACTORED			WE	BS MAX. FACTO	PED	
		VERT. LOAD LC	1 ΜΔΧ	MAX			MAX	
IVILIVID.	(LBS)	(PLF)						
FR-TO	()	FROM TO		LENGTH		(/	()	
D- A	-130 / 0	0.0 0.0	0.02(1)	7.81				
A-B	-5 / 0	-119.4 -119.4	0.06 (1)	10.00				
D- C	0/0	10.0 10.0	0.02 (1)	10.00				
D- C	0/0	-18.2 -18.2	0.03(1)	10.00				

**DESIGN CRITERIA** 

SPECIFIED LOADS: LL DL 34.8 6.0 PSF PSF PSF TOP CH. DL = LL = 0.0 7.3 BOT CH. 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

SOIL 0/0

0/0

15/0

(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=0.06/0.97 (A-B:1) , BC=0.03/0.97 (C-D:1) , WB=0.00/0.97 (n/a:0) , SSI=0.08/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.09 (A) (INPUT = 0.90 ) JSI METAL= 0.07 (A) (INPUT = 1.00 )





JOB DESC. TRUSS DESC.

-1-3-8

QUANTITY

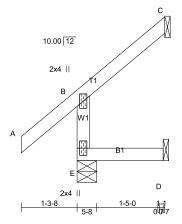
DRWG NO. Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Fri Jul 14 07:34:00 2023 Page 1

ID:bcGHXsLhLjMpVeVc\_4eeDgzAk?y-0BSMh0K5IRkhaldj0XaseYnBWfQefZj82KO8xnyyE9L 2-0-0 2-0-7 0<sub>0</sub>7 0-0 1-3-8

Scale = 1:26.7

TOTAL WEIGHT = 9 lb

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)
JT TYPE PLATES

LEN Y 2.0 q+VMT MT20 4.0 BMV1+p

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

	1111100						
	FACTO	RED	MAXIMU	M FACT	INPUT	REQRD	
	GROSS R	EACTION	GROSS	REACTIO	BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
E	336	0	336	0	0	5-8	1-8
С	92	0	92	0	0	1-8	1-8
D	17	0	19	0	0	1-8	1-8

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

UNFACTORED REACTIONS

	1ST LCASE	MAX./N	<u>лім. СОМРО</u>	NS			
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	232	185 / 0	0/0	0/0	0/0	48 / 0	0/0
С	63	54 / 0	0/0	0/0	0/0	9/0	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

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

LOADING TOTAL LOAD CASES: (5)

CHC	RDS				WE	BS		
MAX.	FACTORED	FACTORED				MAX. FACTO	RED	
MEMB.	FORCE	VERT. LOAD LC	1 MAX	MAX.	MEMB.	FORCE	MAX	
	(LBS)	(PLF)	CSI (LC)	UNBRAC	)	(LBS)	CSI (LC)	
FR-TO		FROM TO		LENGTH	FR-TO			
E-B	-317 / 0	0.0 0.0	0.01 (4)	7.81				
A- B	0 / 53	-119.4 -119.4	0.16 (1)	10.00				
B- C	-19 / 0	-119.4 -119.4	0.08 (1)	6.25				
E- D	0/0	-18.2 -18.2	0.02 (4)	10.00				

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

PATTERN-LOADING CHECK APPLIED TO THIS TRUSS.

DESIGN CRITERIA

SPECIFIED LOADS: LL = : DL = LL = 34.8 6.0 PSF PSF PSF TOP CH. 0.0 7.3 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

(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=0.16/0.97 (A-B:1) , BC=0.02/0.97 (D-E:4) , WB=0.00/0.97 (n/a:0) , SSI=0.10/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

MAX MIN MAX MIN MAX MIN MAX MIN MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.22 (B) (INPUT = 0.90) JSI METAL= 0.17 (B) (INPUT = 1.00)





JOB DESC.

0-0

TRUSS DESC.

PLY

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Scale = 1:26.7

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ID:bcGHXsLhLjMpVeVc\_4eeDgzAk?y-0BSMh0K5IRkhaldj0XaseYnD5fQVfZj82KO8xnyyE9L 2-0-0 2-0-7 0<sub>0</sub>7 2-0-0

В 10.00 12

2x4 || D С

TOTAL WEIGHT = 7 lb

LUMBER				
N. L. G. A. F	RULES			
CHORDS	SIZE		LUMBER	DESCR.
D - A	2x4	DRY	No.2	SPF
A - B	2x4	DRY	No.2	SPF
D - C	2x4	DRY	No.2	SPF
DDV: CEAC	ONEDII	IMPED		

PLATES (table is in inches)
JT TYPE PLATES

LEN Y TMV+p MT20 2.0 4.0 BMV1+p

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

1-10-8

	KIITOO						
	FACTO	RED	MAXIMU	M FACTO	INPUT	REQRD	
	GROSS R	EACTION	GROSS	REACTIC	BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
D	140	0	140	0	0	<b>MECHA</b>	VICAL
В	113	0	113	0	0	1-8	1-8
С	27	0	27	0	0	1-8	1-8

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

	1ST LCASE	MAX./N	MAX./MIN. COMPONENT REACTIONS							
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL			
D	98	71 / 0	0/0	0/0	0/0	27 / 0	0/0			
В	78	65 / 0	0/0	0/0	0/0	12 / 0	0/0			
С	20	6/0	0/0	0/0	0/0	15 / 0	0/0			

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

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

LOADING TOTAL LOAD CASES: (4)

	DRDS			W	EBS	
MAX.	FACTORED	FACTORED			MAX. FACTO	RED
MEMB.	FORCE	VERT. LOAD LC	1 MAX	MAX. MEM	B. FORCE	MAX
	(LBS)	(PLF)	CSI (LC)	UNBRAC	(LBS)	CSI (LC)
FR-TO		FROM TO		LENGTH FR-TO	0	
D- A	-130 / 0	0.0 0.0	0.02(1)	7.81		
A-B	-5 / 0	-119.4 -119.4	0.06 (1)	10.00		
D- C	0/0	-18.2 -18.2	0.03 (1)	10.00		

**DESIGN CRITERIA** 

SPEC	IFIED	LOAI	OS:		
TOP	CH.	LL	=	34.8	PSI
		DL		6.0	PS
BOT	CH.	LL	=	0.0	PS
		DL	=	7.3	PS
TOTA	L LO	AD	=	48.1	PS

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 (0.00")

CSI: TC=0.06/0.97 (A-B:1) , BC=0.03/0.97 (C-D:1) , WB=0.00/0.97 (n/a:0) , SSI=0.08/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.09 (A) (INPUT = 0.90 ) JSI METAL= 0.07 (A) (INPUT = 1.00 )





ENG-IM0723-092-KTT-GREENPARK-ZADORRA-ROSE 6 EL 2 Page 26 of 51 CORPORATION OF THE CITY OF OSHAWA JOB NAME TRITHUSSARME JOB DESC. DRWG NO QUANTITY OF PERMIT PLANS Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Fri Jul 14 07:34:01 2023 Page 1 Oct 196 2023 TRUSS DESC. IM0723-092 ID:bcGHXsLhLjMpVeVc\_4eeDgzAk?y-UN0kvMLj3lsYCuCvZF55BmKMG3l7O0zHH\_8iTDyyE9K -1-3-8 0-0 2-0-7 4-0-0 1-11-9 1-3-8 Scale = 1:26.7 С 10.00 12 2x4 || w D 1-10-1 TOTAL WEIGHT = 3 X 11 = 33 lb DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER LUMBER N. L. G. A. RULES **DESIGN CRITERIA** DESCR. SPF SPF CHORDS SIZE LUMBER E - B A - C E - D DRY FACTORED MAXIMUM FACTORED SPECIFIED LOADS REQRD 2x4 No.2 GROSS REACTION VERT HORZ GROSS REACTION DOWN HORZ L BRG IN-SX 34.8 6.0 DRY No.2 BRG TOP CH. UPLIFT BOT CH. = 0.0 7.3 PSF 358 0 358 0 0 5-8 1-8 LL DRY: SEASONED LUMBER. 92 TOTAL LOAD D 36 1-8 1-8 48.1 PSF SPACING = 24.0 IN. C/C SEE MITEK STANDARD DETAIL MSD2015-H FOR CONNECTION TO JOINT(S) C. D THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PLATES (table is in inches)
JT TYPE PLATES LEN Y UNFACTORED REACTIONS | MAX./MIN. COMPONENT REACTIONS | SNOW LIVE | PERM.LIVE | WIND | 185 / 0 | 0 / 0 | 0 / 0 | 0 / 0 q+VMT MT20 2.0 PART 9, NBCC 2015 COMBINED BMV1+p DEAD SOIL Ē 0/0 THIS DESIGN COMPLIES WITH: 249 65 / 0 54 / 0 9/0 0/0 - PART 9 OF BCBC 2018 , NBC-2019AE - PART 9 OF OBC 2012 (2019 AMENDMENT) C D 0/0 0/0 26 / 0 CSA 086-14 BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E, C - TPIC 2014 DESIGN ASSUMPTIONS -OVERHANG NOT TO BE ALTERED OR CUT TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY (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 ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED. ROOF LIVE LOAD LOADING TOTAL LOAD CASES: (4) 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=0.16/0.97 (A-B:1) , BC=0.07/0.97 (D-E:4) , WB=0.00/0.97 (n/a:0) , SSI=0.10/1.00 (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

	R D S FACTORED	FACTORED			WEI	BS MAX. FACTO	RED	
MEMB.	FORCE	VERT. LOAD LC	1 MAX	MAX.	MEMB.	FORCE	MAX	
	(LBS)	(PLF)	CSI (LC)	UNBRAC		(LBS)	CSI (LC)	
FR-TO	` '	FROM TO	. ,	LENGTH	FR-TO	, ,	` '	
E-B	-317 / 0	0.0 0.0	0.04(4)	7.81				
A- B	0 / 53	-119.4 -119.4	0.16(1)	10.00				
B- C	-19 / 0	-119.4 -119.4	0.08 (1)	6.25				
E- D	0/0	-18.2 -18.2	0.07 (4)	10.00				

OROFESSION I.MATIJEVIC 100528832 NCE OF ON JULY 14, 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.

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

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

MAX MIN MAX MIN MAX MIN MAX MIN MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

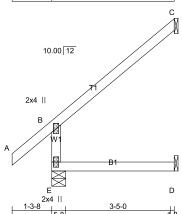
JSI GRIP= 0.22 (B) (INPUT = 0.90) JSI METAL= 0.17 (B) (INPUT = 1.00)



QUANTITY JOB DESC. TRUSS DESC. 16

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ID:bcGHXsLhLjMpVeVc\_4eeDgzAk?y-UN0kvMLj3lsYCuCvZF55BmKJm3l7O0zHH\_8iTDyyE9K -1-3-8 <u>1-3-8</u> 0-0 4-0-0 Scale = 1:37.6



TOTAL WEIGHT = 16 X 14 = 225 II

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DESCR.
SPF
SPF
SPF

PLATES (table is in inches)
JT TYPE PLATES LEN Y q+VMT MT20 2.0 4.0 BMV1+p

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

DEAL	VIIIAQQ						
	FACTORED		MAXIMUN		INPUT	REQRD	
	GROSS RE	ACTION	GROSS F	REACTIO	BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
E	505	0	505	0	0	5-8	1-8
С	179	0	179	0	0	1-8	1-8
D	32	0	36	0	0	1-8	1-8

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

UNFACTORED REACTIONS

	1ST LCASE	MAX./N	MIN. COMPO	NENT REACTION	NS		
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E C	350	270 / 0	0/0	0/0	0/0	79 / 0	0/0
С	123	105 / 0	0/0	0/0	0/0	18 / 0	0/0
D	26	0/0	0/0	0/0	0/0	26 / 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

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

LOADING TOTAL LOAD CASES: (4)

	R D S FACTORED	FACTORE	D			WE	BS MAX. FACTO	RED	
MEMB.	FORCE	VERT. LOAD	LC1	1 MAX	MAX.	MEMB.	FORCE	MAX	
	(LBS)	(PLF)		CSI (LC)	<b>UNBRAC</b>	:	(LBS)	CSI (LC)	
FR-TO		FROM TO	)		LENGTH	FR-TO			
E-B	-464 / 0	0.0	0.0	0.04(4)	7.81				
A- B	0 / 53	-119.4 -1	19.4	0.16(1)	10.00				
B- C	-38 / 0	-119.4 -1	19.4	0.32 (1)	6.25				
E- D	0/0	-18.2 -	18.2	0.07(4)	10.00				



SPECIFIED LOADS PSF PSF PSF 34.8 6.0 TOP CH. DL = 0.0 7.3 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

(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=0.32/0.97 (B-C:1) , BC=0.07/0.97 (D-E:4) , WB=0.00/0.97 (n/a:0) , SSI=0.18/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

MAX MIN MAX MIN MAX MIN MAX MIN MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.32 (B) (INPUT = 0.90) JSI METAL= 0.25 (B) (INPUT = 1.00)





LUMBER				
N. L. G. A. R	ULES			
CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
G - J	2x4	DRY	No.2	SPF
S - B	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
S - O	2x4	DRY	No.2	SPF
0 - K	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				

I EN Y

DRY: SEASONED LUMBER

PL/	ATES	(table	is	in	inches)	
IT	TVDE			ΟI	ATES	

JI	TIFE	FLAILS	vv		1	^	
В	TMVW-t	MT20	4.0	8.0	1.50	3.00	
С	TMWW-t	MT20	3.0	4.0	1.50	1.75	
D	TTWW+m	MT20	6.0	6.0	2.50	2.00	
Е	TMW+w	MT20	2.0	4.0			
F	TMWW-t	MT20	3.0	4.0			
G	TTWW+m	MT20	6.0	6.0	2.50	2.00	
Н	TMWW-t	MT20	3.0	4.0	1.50	1.75	
1	TMVW-t	MT20	4.0	8.0	1.50	3.00	
K	BMV1+p	MT20	3.0	4.0			
L	BMWW-t	MT20	4.0	6.0	1.50	2.00	
M	BMWW-t	MT20	3.0	4.0			
N	BMWW-t	MT20	4.0	4.0	2.00	1.75	
0	BS-t	MT20	4.0	6.0			
Р	BMWWW-t	MT20	4.0	6.0	1.75	2.00	
Q	BMWW-t	MT20	3.0	4.0			
R	BMWW-t	MT20	4.0	6.0	1.50	2.00	
S	BMV1+p	MT20	3.0	4.0			

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

	FACTO		MAXIMU GROSS		INPUT BRG	REQRD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
S	2296	0	2296	0	0	5-8	3-15
K	2296	0	2296	0	0	5-8	3-15
S	2296	HORZ 0 0	2296	HORZ 0 0	0	5-8	3-15

### UNFACTORED REACTIONS

	1ST LCASE	MAX./	MIN. COMPON	ENT REACTION	NS .		
JI	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	1602	1174 / 0	0/0	0/0	0/0	429 / 0	0/0
K	1602	1174 / 0	0/0	0/0	0/0	429 / 0	0/0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.35 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY

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

LOADING TOTAL LOAD CASES: (4)

CH	ORDS	WEBS						
MAX	X. FACTORED	FACTO	RED				MAX. FACTO	DRED
MEMB.	FORCE	VERT. LC						MAX
	(LBS)	(PI						CSI (LC)
FR-TO		FROM	TO		LENGTH	I FR-TO		
A-B	0 / 36			0.16 (1)		R- C		0.09 (1)
B- C	-2972 / 0					C-Q	-86 / 0	0.03 (1)
C-D	-2942 / 0			0.32(1)		Q- D	0 / 148	0.04 (4)
D-E	-3367 / 0			0.49 (1)			0 / 1051	0.24 (1)
E-F	-3367 / 0			0.45 (1)			-643 / 0	0.25 (1)
F- G	-3369 / 0			0.49 (1)			-3 / 0	0.00 (1)
G- H	-2942 / 0			0.32 (1)		N- F	-644 / 0	0.25 (1)
H-I	-2972 / 0			0.33 (1)			0 / 1055	0.24 (1)
	0 / 36			0.16 (1)			0 / 146	0.04 (4)
S-B	-2256 / 0						-87 / 0	0.03 (1)
K- I	-2256 / 0	0.0	0.0	0.23 (1)	5.60	L- H	-499 / 0	0.09 (1)
							0 / 2736	0.62 (1)
S-R	0/0			0.07 (4)		L-T	0 / 2736	0.62 (1)
R-Q	0 / 2678			0.48 (1)				
Q-P	0 / 2611			0.47 (1)				
P- O	0 / 3369	-18.2		0.59 (1)				
O- N	0 / 3369			0.59 (1)				
N- M	0 / 2611	-18.2		0.47 (1)				
M- L	0 / 2678			0.48 (1)				
L-K	0/0	-18.2	-18.2	0.07 (4)	10.00			

## **DESIGN CRITERIA**

SPEC	IFIED	LOAI	OS:		
TOP	CH.	LL	=	34.8	PSI
		DL	=	6.0	PSI
BOT	CH.	LL	=	0.0	PSI
		DL	=	7.3	PSI
TOTA	L LO	AD	=	48.1	PSI

### SPACING = 24.0 IN. C/C

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

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

TOTAL WEIGHT = 127 lb

[M][F

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 (0.18")
ALLOWABLE DEFL.(TL)= L/360 (1.03")
CALCULATED VERT. DEFL.(TL) = L/999 (0.32")

CSI: TC=0.49/0.97 (D-E:1) , BC=0.59/0.97 (N-P:1) , WB=0.62/0.97 (I-L:1) , SSI=0.28/1.00 (F-G:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

MAX MIN MAX MIN MAX MIN MAX MIN MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (K) (INPUT = 0.90 ) JSI METAL= 0.76 (O) (INPUT = 1.00)





OX 1 11
1-3-8
5-8
TOTAL WEIGHT = 127 lb
[M][F]

×

3x4 ||

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

DRY: SEASONED LUMBER

3x4 ||

1-3-8

# PLATES (table is in inches)

JΤ	TYPE	PLATES	W	LEN	Υ	X
В	TMVW-t	MT20	4.0	8.0	1.50	3.00
С	TMWW-t	MT20	3.0	4.0	1.50	1.75
D	TTWW-m	MT20	5.0	6.0	2.50	2.00
Е	TMW+w	MT20	2.0	4.0		
F	TTWW-m	MT20	5.0	6.0	2.50	2.00
G	TMWW-t	MT20	3.0	4.0	1.50	1.75
Н	TMVW-t	MT20	4.0	8.0	1.50	3.00
J	BMV1+p	MT20	3.0	4.0		
K	BMWW-t	MT20	4.0	6.0	1.75	1.50
L	BMWW-t	MT20	3.0	4.0		
M	BSWWW-I	MT20	5.0	6.0	3.00	3.00
Ν	BMWW-t	MT20	3.0	4.0		
0	BMWW-t	MT20	4.0	6.0	1.75	1.50
Р	BMV1+p	MT20	3.0	4.0		

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

М

5x6 =

30-1-0

	FACTOR	RED	MAXIMU	M FACTO	INPUT	REQRD	
	<b>GROSS RE</b>	EACTION	GROSS REACTION			BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
Р	2296	0	2296	0	0	5-8	3-15
J	2296	0	2296	0	0	5-8	3-15

UNFACTORED REACTIONS

Ν

3x4 =

	1ST LCASE	MAX.	MIN. COMPON	ENT REACTION	NS		
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	1602 1	174 / 0	0/0	0/0	0/0	429 / 0	0/0
J	1602 1	174 / 0	0/0	0/0	0/0	429 / 0	0/0

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

B1

0

4x6 =

**BRACING**TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.45 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY

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

LOADING TOTAL LOAD CASES: (4)

	ORDS					WE		
MA)	X. FACTORED	FACTORE	D				MAX. FACTO	RED
MEMB.	FORCE	VERT. LOAD	D LC.	1 MAX	MAX.	MEMB.	FORCE	MAX
	(LBS)	(PLF)		CSI (LC)	UNBRAC	;	(LBS)	CSI (LC)
FR-TO		FROM TO	)		LENGTH	FR-TO		
A-B	0 / 36	-119.4 -1	19.4	0.16(1)	10.00	O- C	-380 / 0	0.08 (1)
B- C	-3069 / 0	-119.4 -1	19.4	0.51(1)	3.49	C-N	-367 / 0	0.23(1)
C- D	-2793 / 0	-119.4 -1	19.4	0.48 (1)	3.67	N- D	0 / 319	0.07 (1)
D-E	-2888 / 0	-119.4 -1	19.4	0.58 (1)	3.45	D- M	0 / 606	0.14 (1)
E-F	-2888 / 0	-119.4 -1	19.4	0.58 (1)	3.45	M- E	-804 / 0	0.48 (1)
F-G	-2793 / 0	-119.4 -1	19.4	0.48 (1)	3.67	M- F	0 / 606	0.14 (1)
G- H	-3069 / 0	-119.4 -1	19.4	0.51(1)	3.49	L- F	0 / 319	0.07(1)
H- I	0 / 36	-119.4 -1	19.4	0.16(1)	10.00	L- G	-367 / 0	0.23 (1)
P-B	-2251 / 0	0.0	0.0	0.23(1)	5.60	K- G	-380 / 0	0.08(1)
J- H	-2251 / 0	0.0	0.0	0.23(1)	5.60	B- O	0 / 2810	0.63(1)
						K- H	0 / 2810	0.63(1)
P- 0	0/0	-18.2 -	18.2	0.10 (4)	10.00			
O- N	0 / 2771	-18.2 -	18.2	0.52(1)	10.00			
N- M	0 / 2474	-18.2 -	18.2	0.47(1)	10.00			
M-L	0 / 2474	-18.2 -	18.2	0.47(1)	10.00			
L-K	0 / 2771	-18.2 -	18.2	0.52(1)	10.00			
K- J	0/0	-18.2 -	18.2	0.10 (4)	10.00			

### **DESIGN CRITERIA**

Κ

4x6 =

R1

L

3x4 =

SPEC	IFIED	LOAI	OS:		
TOP	CH.	LL	=	34.8	PSF
		DL	=	6.0	PSI
BOT	CH.	LL	=	0.0	PSI
		DL	=	7.3	PSI
TOTA	L LO	AD	=	48.1	PSI

### SPACING = 24.0 IN. C/C

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

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 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 (0.16")
ALLOWABLE DEFL.(TL)= L/360 (1.03")
CALCULATED VERT. DEFL.(TL) = L/999 (0.28")

CSI: TC=0.58/0.97 (D-E:1) , BC=0.52/0.97 (K-L:1) , WB=0.63/0.97 (H-K:1) , SSI=0.32/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

MAX MIN MAX MIN MAX MIN MAX MIN MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (J) (INPUT = 0.90) JSI METAL= 0.66 (K) (INPUT = 1.00)





DESCR.
SPF
SPF

3x4 ||

1-3-8

DRY: SEASONED LUMBER

PLATES (	(table is in inches)

J١	TYPE	PLATES	vv	LEN	Υ	Х	
В	TMVW-t	MT20	4.0	8.0	1.50	3.00	
С	TMWW-t	MT20	3.0	4.0	1.50	1.75	
D	TTWW-m	MT20	4.0	6.0	1.75	2.25	
Ε	TMW+w	MT20	2.0	4.0			
F	TTWW-m	MT20	4.0	6.0	1.75	2.25	
G	TMWW-t	MT20	3.0	4.0	1.50	1.75	
Н	TMVW-t	MT20	4.0	8.0	1.50	3.00	
J	BMV1+p	MT20	3.0	4.0			
K	BMWW-t	MT20	4.0	6.0	1.75	1.50	
L	BMWW-t	MT20	3.0	4.0			
M	BSWWW-I	MT20	5.0	6.0	3.00	3.00	
Ν	BMWW-t	MT20	3.0	4.0			
0	BMWW-t	MT20	4.0	6.0	1.75	1.50	
Ρ	BMV1+p	MT20	3.0	4.0			

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

5x6 =

30-1-0

3x4 =

	FACTO	RED	MAXIMU	M FACTO	INPUT	REQRD	
	GROSS RI	EACTION	GROSS REACTION			BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
Р	2296	0	2296	0	0	5-8	3-15
J	2296	0	2296	0	0	5-8	3-15

Ν

3x4 =

UNFACTORED REACTIONS

	1ST LCASE	MAX./I	иім. СОМРО	NENT REACTION	NS		
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Р	1602	1174 / 0	0/0	0/0	0/0	429 / 0	0/0
J	1602	1174 / 0	0/0	0/0	0/0	429 / 0	0/0

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

0

4x6 =

**BRACING**TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.13 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY

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

LOADING TOTAL LOAD CASES: (4)

	ORDS C. FACTORED	FACTOR	ED			WE	B S MAX. FACTO	DED.
MEMB.		VERT. LOA		1 MAY	MAX.	MEMB		MAX
IVILIVID.	(LBS)	(PLF					(LBS)	
FR-TO	(LDG)	FROM T			LENGTH		(LDO)	COI (LC)
A- B	0 / 36	-119.4 -				0- C	-279 / 34	0.07(1)
B- C	-3111 / 0	-119.4 -					-633 / 0	0.63 (1)
C-D	-2596 / 0	-119.4 -					0 / 443	0.03 (1)
D- E	-2429 / 0	-119.4 -					0 / 301	0.10 (1)
	-2429 / 0							
E-F		-119.4 -				M-E	-498 / 0	0.45 (1)
F- G	-2596 / 0	-119.4 -1					0 / 301	0.07 (1)
G- H	-3111 / 0	-119.4 -					0 / 443	0.10 (1)
H-I	0 / 36	-119.4 -				L- G	-633 / 0	0.63 (1)
P-B	-2247 / 0	0.0		0.23 (1)		K- G	-279 / 34	0.07 (1)
J- H	-2247 / 0	0.0	0.0	0.23 (1)	5.61	B- O		0.64 (1)
						K- H	0 / 2844	0.64 (1)
P- 0	0/0			0.15 (4)				
O- N	0 / 2816			0.51 (1)				
N- M	0 / 2292	-18.2	-18.2	0.42 (1)	10.00			
M- L	0 / 2292	-18.2	-18.2	0.42(1)	10.00			
L- K	0 / 2816	-18.2	-18.2	0.51(1)	10.00			
K- J	0/0	-18.2	-18.2	0.15 (4)	10.00			

### **DESIGN CRITERIA**

Κ

4x6 =

SPEC	IFIED	LOAI	os:		
TOP	CH.	LL	=	34.8	PSF
		DL	=	6.0	PSF
BOT	CH.	LL	=	0.0	PSF
		DL	=	7.3	PSF
TOTA	I IO	AD	=	48 1	PSF

### SPACING = 24.0 IN. C/C

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

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

3x4 ||

5-8

TOTAL WEIGHT = 134 lb

[M][F

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 (0.15")
ALLOWABLE DEFL.(TL)= L/360 (1.03")
CALCULATED VERT. DEFL.(TL) = L/999 (0.25")

CSI: TC=0.75/0.97 (G-H:1) , BC=0.51/0.97 (K-L:1) , WB=0.64/0.97 (H-K:1) , SSI=0.31/1.00 (G-H:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

MAX MIN MAX MIN MAX MIN MAX MIN MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (J) (INPUT = 0.90) JSI METAL= 0.67 (O) (INPUT = 1.00)





JOB NAME TRITHUSSARME JOB DESC DRWG NO QUANTITY OF PERMIT PLANS Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Fri Jul 14 07:34:05 2023 Page 1 Oct 39 2023 TRUSS DESC. IM0723-092 ID:bcGHXsLhLjMpVeVc\_4eeDgzAk?y-M8FFkjOE7zN\_hWVho491LcVylg1WKestCc6vc?yyE9G 9-4-13 14-0-0 17-0-0 21-7-3 26-2-5 31-0-0 32-3-8 3-0-0 4-7-3 4-9-11 Scale = 1:71.2 4x6 = 4x4 = 6.00 12 3x4 / 3x4 < Н 3x6 = 3x4 = 3x6 < 4x8 < 4x8 ≥ В В1 B2 . U Q R Р 0 3x4 II 3x4 || 4x6 = 3x4 = 3x4 || 3x6 = 3x4 =4x6 = 5-8 4x6 =1-3-8 30-1-0

LUMBER				
N. L. G. A. R	ULES			
CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - F	2x4	DRY	No.2	SPF
F - G	2x4	DRY	No.2	SPF
G - J	2x4	DRY	No.2	SPF
J - L	2x4	DRY	No.2	SPF
U - B	2x4	DRY	No.2	SPF
M - K	2x4	DRY	No.2	SPF
U - Q	2x4	DRY	No.2	SPF
Q - M	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF

CORPORATION OF THE CITY OF OSHAWA

DRY: SEASONED LUMBER.

**EXCEPT** 

PLATES (table is in inches)
-----------------------------

JΤ	TYPE	PLATES	W	LEN	Υ	X	
В	TMVW-t	MT20	4.0	8.0	1.50	3.00	
С	TS-t	MT20	3.0	6.0			
D, E	Ξ, Η, Ι						
D	TMWW-t	MT20	3.0	4.0	1.50	1.75	
F	TTWW-m	MT20	4.0	6.0	1.75	2.25	
G	TTW-m	MT20	4.0	4.0	2.25	1.75	
J	TS-t	MT20	3.0	6.0			
K	TMVW-t	MT20	4.0	8.0	1.50	3.00	
М	BMV1+p	MT20	3.0	4.0			
Ν	BMWW-t	MT20	4.0	6.0	1.75	1.50	
0	BMWW-t	MT20	3.0	4.0			
Ρ	BMWWW-t	MT20	4.0	6.0			
Q	BS-t	MT20	3.0	6.0			
R	BMWW+t	MT20	3.0	4.0	1.75	1.50	
S	BMWW-t	MT20	3.0	4.0			
Т	BMWW-t	MT20	4.0	6.0	1.75	1.50	
U	BMV1+p	MT20	3.0	4.0			

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

	FACTO	CTORED MAXIMUM FACTORED II					REQRD
	GROSS R	EACTION	GROSS	REACTIC	BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
U	2296	0	2296	0	0	5-8	3-15
M	2296	0	2296	0	0	5-8	3-15

UNFACTORED REACTIONS

	1ST LCASE	MAX./I	иім. СОМРОІ	NENT REACTION	NS .		
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
U	1602	1174 / 0	0/0	0/0	0/0	429 / 0	0/0
M	1602	1174 / 0	0/0	0/0	0/0	429 / 0	0/0

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

**BRACING**TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.58 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY

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

LOADING TOTAL LOAD CASES: (4)

СН	ORDS					WE	BS	
	. FACTORED	FACTO	RED				MAX. FACTO	RED
MEMB.	FORCE	VERT. LC	OAD LC1	MAX	MAX.	MEMB.	FORCE	MAX
	(LBS)	(PI	LF)	CSI (LC)	UNBRAC	;	(LBS)	CSI (LC)
FR-TO	` '				LENGTH			` '
A- B	0 / 36	-119.4	-119.4	0.16(1)	10.00	T- D	-404 / 0	0.09(1)
B- C	-3034 / 0	-119.4	-119.4	0.45(1)	3.58	D-S	-210 / 0	0.11 (1)
C- D	-3034 / 0	-119.4	-119.4	0.45(1)	3.58	S-E	0 / 212	0.05(1)
D- E	-2865 / 0	-119.4	-119.4	0.37 (1)	3.77	E-R	-753 / 0	0.77 (1)
E-F	-2347 / 0			0.36(1)		R-F	0 / 634	0.14 (1)
F- G	-2087 / 0	-119.4	-119.4	0.18(1)	4.51	F-P	0/7	0.00(1)
G- H	-2349 / 0	-119.4	-119.4	0.36(1)	4.11	P- G	0 / 642	0.14 (1)
H- I	-2864 / 0			0.37 (1)		P- H	-747 / 0	0.77 (1)
I- J	-3034 / 0	-119.4	-119.4	0.45 (1)		O- H	0 / 207	0.05 (1)
J- K	-3034 / 0			0.45 (1)		O- I	-211 / 0	0.11 (1)
K- L	0 / 36			0.16 (1)		N- I	-403 / 0	0.09(1)
U- B		0.0					0 / 2777	0.62 (1)
M- K	-2254 / 0	0.0	0.0	0.23 (1)	5.60	N- K	0 / 2777	0.62 (1)
U- T	0/0			0.09 (4)				
T-S	0 / 2734	-18.2		0.48 (1)				
S-R	0 / 2562	-18.2		0.45 (1)				
R-Q	0 / 2085	-18.2		0.38 (1)				
Q-P	0 / 2085	-18.2		0.38 (1)				
P- 0	0 / 2561			0.46 (1)				
O- N	0 / 2734	-18.2		0.48 (1)				
N- M	0/0	-18.2	-18.2	0.09 (4)	10.00			

### **DESIGN CRITERIA**

SPEC	IFIED	LOAI	os:		
TOP	CH.	LL	=	34.8	PSI
		DL	=	6.0	PSI
BOT	CH.	LL	=	0.0	PSI
		DL	=	7.3	PSI
TOTA	I IO	AD	=	48 1	PSI

### SPACING = 24.0 IN. C/C

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

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

TOTAL WEIGHT = 139 lb

[M][F

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 (0.14")
ALLOWABLE DEFL.(TL)= L/360 (1.03")
CALCULATED VERT. DEFL.(TL) = L/999 (0.25")

CSI: TC=0.45/0.97 (I-K:1) , BC=0.48/0.97 (N-O:1) , WB=0.77/0.97 (E-R:1) , SSI=0.23/1.00 (I-K:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

MAX MIN MAX MIN MAX MIN MAX MIN MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (M) (INPUT = 0.90 ) JSI METAL= 0.65 (N) (INPUT = 1.00)





5-3-11

10-4-13

4x5 ||

Scale = 1:72.8

DRWG NO Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Fri Jul 14 07:34:06 2023 Page 1

ID:bcGHXsLhLjMpVeVc\_4eeDgzAk?y-qLpdy3OsuHVrlg4tMohGup1614Ma38M0RGrT9RyyE9F0 20-7-3 25-8-5 31-0-0\_32-3-8 15-6-0 20-7-3 31-0-0 32-3-8 1-3-8 5-3-11

6.00 12 3x4 \\ 3x4 // G 2**7**2 3x6 = 3x4 = 3x4 < Н 3x6 <> 12 V 4x8 / 4x8 < Q 0 М 3x4 || 3x4 || 4x6 = 4x6 = 3x4 = 6x6 = 3x4 = 1-3-8 5-8 1-3-8 30-1-0

TOTAL WEIGHT = 8 X 132 = 1053 lb

LUMBER				
N. L. G. A. R	ULES			
CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - F	2x4	DRY	No.2	SPF
F - I	2x4	DRY	No.2	SPF
I - K	2x4	DRY	No.2	SPF
R - B	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
R - O	2x4	DRY	No.2	SPF
O - L	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				

DRY: SEASONED LUMBER.

PL/	ATES	(table	is	in	inches)	
IT	TVDE			ō	ATES	

JT	TYPE	PLATES	W	LEN	Υ	Χ
В	TMVW-t	MT20	4.0	8.0	1.50	3.00
С	TS-t	MT20	3.0	6.0		
D	TMWW-t	MT20	3.0	4.0	1.50	1.75
Ε	TMWW+t	MT20	3.0	4.0	1.75	0.75
F	TTW+p	MT20	4.0	5.0		
G	TMWW+t	MT20	3.0	4.0	1.75	0.75
Н	TMWW-t	MT20	3.0	4.0	1.50	1.75
1	TS-t	MT20	3.0	6.0		
J	TMVW-t	MT20	4.0	8.0	1.50	3.00
L	BMV1+p	MT20	3.0	4.0		
M	BMWW-t	MT20	4.0	6.0	1.75	1.50
N	BMWW-t	MT20	3.0	4.0		
0	BSWWW-I	MT20	6.0	6.0		
Ρ	BMWW-t	MT20	3.0	4.0		
Q	BMWW-t	MT20	4.0	6.0	1.75	1.50
R	BMV1+p	MT20	3.0	4.0		

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

DLA	KINGS						
	FACTO	RED	MAXIMU	M FACTO	ORED	INPUT	REQRD
	GROSS RE	EACTION	GROSS	REACTIO	N	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
R	2296	0	2296	0	0	5-8	3-15
L	2296	0	2296	0	0	5-8	3-15
L	2296	U	2296	U	U	5-8	J-15

UNFACTORED REACTIONS

ı		1ST LCASE	MAX./	MIN. COMPON	NENT REACTION	NS .		
l	JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
ı	R	1602	1174 / 0	0/0	0/0	0/0	429 / 0	0/0
l	L	1602	1174 / 0	0/0	0/0	0/0	429 / 0	0/0

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

**BRACING**TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.45 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY

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

1 - 1x4 LATERAL BRACE(S) AT 1/2 LENGTH OF G-O, E-O. DBS = 20-0-0 . CBF = 110 LBS.

DBS = DIAGONAL BRACE SPACING (MAX). CBF = CUMULATIVE BRACING FORCE (PER BRACE). FASTEN LATERAL BRACE(S) USING (0.122"X3") SPIRAL NAILS: 1 NAIL FOR 2x3 BRACE(S), 2 FOR 1x4, 2x4, 2x5, 3 FOR 2x6, 4 FOR 2x8, 5 FOR 2x10, AND 6 FOR 2x12.

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

LOADING TOTAL LOAD CASES: (4)

СН	ORDS					WE	BS	
MA)	K. FACTORED	FACTO	RED				MAX. FACTO	DRED
MEMB.	FORCE	VERT. LC	AD LC	1 MAX	MAX.	MEMB.	FORCE	MAX
	(LBS)	(Pl	_F)	CSI (LC)	UNBRAC	)	(LBS)	CSI (LC)
FR-TO		FROM	TO		LENGTH	I FR-TO		
A-B	0 / 36	-119.4	-119.4	0.16(1)	10.00	O-F	0 / 1428	0.32(1)
B- C	-3065 / 0	-119.4	-119.4	0.55 (1)	3.45	0- G	-882 / 0	0.37(1)
C- D	-3065 / 0	-119.4	-119.4	0.55 (1)	3.45	N- G	0 / 294	0.07(1)
D- E	-2784 / 0	-119.4	-119.4	0.45 (1)	3.74	N- H	-334 / 0	0.23(1)
E-F	-2174 / 0	-119.4	-119.4	0.42 (1)	4.16	M- H	-352 / 0	0.08 (1)
F- G	-2174 / 0	-119.4	-119.4	0.42 (1)	4.16	E-O	-882 / 0	0.37 (1)
G- H	-2784 / 0	-119.4	-119.4	0.45 (1)	3.74	P-E	0 / 294	0.07 (1)
H- I	-3065 / 0	-119.4	-119.4	0.55 (1)	3.45	D- P	-334 / 0	0.23 (1)
I- J	-3065 / 0	-119.4	-119.4	0.55 (1)	3.45	Q- D	-352 / 0	0.08 (1)
J- K	0 / 36	-119.4	-119.4	0.16 (1)	10.00	B- Q	0 / 2800	0.63 (1)
R-B	-2251 / 0	0.0	0.0	0.23 (1)	5.60	M- J	0 / 2800	0.63 (1)
L- J	-2251 / 0	0.0	0.0	0.23 (1)	5.60			
R- Q	0/0	-18.2	-18.2	0.10 (4)	10.00			
Q-P	0 / 2764	-18.2	-18.2	0.50(1)	10.00			
P- 0	0 / 2489	-18.2	-18.2	0.46(1)	10.00			
O- N	0 / 2489	-18.2	-18.2	0.46(1)	10.00			
N- M	0 / 2764	-18.2	-18.2	0.50(1)	10.00			
M- L	0/0	-18.2	-18.2	0.10(4)	10.00			

**DESIGN CRITERIA** 

SPEC	IFIED	LOAI	DS:		
TOP	CH.	LL	=	34.8	PSF
		DL	=	6.0	PSF
BOT	CH.	LL	=	0.0	PSF
		DL	=	7.3	PSF
TOTA	1 10	ΔD	=	18 1	PSE

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 (1.03") CALCULATED VERT. DEFL.(LL)= L/ 999 (0.15") ALLOWABLE DEFL.(TL)= L/360 (1.03") CALCULATED VERT. DEFL.(TL)= L/999 (0.27")

CSI: TC=0.55/0.97 (H-J:1) , BC=0.50/0.97 (M-N:1) , WB=0.63/0.97 (J-M:1) , SSI=0.26/1.00 (H-J:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

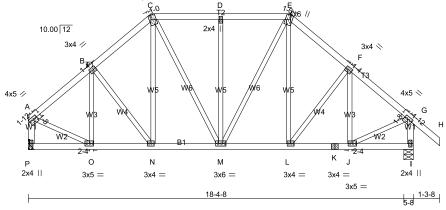
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (L) (INPUT = 0.90 ) JSI METAL= 0.66 (Q) (INPUT = 1.00 )







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

DRY: SEASONED LUMBER

PLATES (table is in inches)
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JT	TYPE	PLATES	W	LEN	Y X
Α	TMVW-t	MT20	4.0	5.0	1.50 1.75
В	TMWW-t	MT20	3.0	4.0	1.50 1.25
С	TTWW+m	MT20	4.0	6.0	Edge 1.00
D	TMW+w	MT20	2.0	4.0	
Е	TTWW+m	MT20	4.0	6.0	Edge 1.00
F	TMWW-t	MT20	3.0	4.0	1.50 1.25
G	TMVW-t	MT20	4.0	5.0	1.50 1.75
1	BMV1+p	MT20	2.0	4.0	
J	BMWW-t	MT20	3.0	5.0	1.50 2.25
K	BS-t	MT20	3.0	4.0	
L	BMWW-t	MT20	3.0	4.0	
M	BMWWW-t	MT20	3.0	6.0	
N	BMWW-t	MT20	3.0	4.0	
0	BMWW-t	MT20	3.0	5.0	1.50 2.25
Р	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**

<u> </u>	111100						
	FACTOR	ED	MAXIMUN	/ FACTO	RED	INPUT	REQRD
	<b>GROSS RE</b>	ACTION	GROSS F	REACTIO	N	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
Р	1296	0	1296	0	0	MECHANIC	AL
l	1462	0	1462	0	0	5-8	1-9

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

### UNFACTORED REACTIONS

	1ST LCASE	MAX./N	IIN. COMPO	NENT REACTION	NS .		
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Ρ	906	656 / 0	0/0	0/0	0/0	250 / 0	0/0
1	1019	752 / 0	0/0	0/0	0/0	267 / 0	0/0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.76 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY

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

LOADING TOTAL LOAD CASES: (4)

	ORDS	F4.0T0				WE		
	K. FACTORED						MAX. FACTO	
MEMB.	FORCE	VERT. LC						MAX
	(LBS)	(Pl					(LBS)	CSI (LC)
FR-TO					LENGTH			
A- B	-1142 / 0	-119.4	-119.4	0.14(1)	5.76	O-B	-322 / 0	0.09(1)
B- C	-1123 / 0	-119.4	-119.4	0.14(1)	5.80	B- N	-96 / 0	0.04(1)
C- D	-987 / 0	-119.4	-119.4	0.17(1)	6.04	N- C	0 / 138	0.03(1)
D-E	-987 / 0	-119.4	-119.4	0.17(1)	6.04	C- M	0 / 309	0.07(1)
E-F	-1123 / 0	-119.4	-119.4	0.14(1)	5.80	M- D	-487 / 0	0.35(1)
F- G	-1142 / 0	-119.4	-119.4	0.14(1)	5.76	M- E	0 / 309	0.07(1)
G- H	0 / 53	-119.4	-119.4	0.16(1)	10.00	L- E	0 / 138	0.03 (1)
P- A	-1270 / 0	0.0	0.0	0.14(1)	7.06	L- F	-95 / 0	0.04(1)
I- G	-1435 / 0	0.0	0.0	0.15 (1)	6.74	J- F	-323 / 0	0.09 (1)
						A- O	0 / 973	0.22 (1)
P- 0	0/0	-18.2	-18.2	0.04(4)	10.00	J- G	0 / 973	0.22 (1)
O-N	0 / 897	-18.2	-18.2	0.16(1)	10.00			. ,
N- M	0 / 841	-18.2	-18.2	0.16 (1)	10.00			
M- L	0 / 841	-18.2		0.16 (1)				
L- K	0 / 897	-18.2	-18.2	0.16 (1)	10.00			
K- J	0 / 897	-18.2		0.16(1)				
J- I	0/0	-18.2		0.04 (4)				

### **DESIGN CRITERIA**

SPEC	IFIED	LOA	OS:		
TOP	CH.	LL	=	34.8	PS
		DL	=	6.0	PS
BOT	CH.	LL	=	0.0	PS
		DL	=	7.3	PS
TOTA	L LO	AD	=	48.1	PS

### SPACING = 24.0 IN. C/C

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

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

TOTAL WEIGHT = 96 lb

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 (0.63") CALCULATED VERT. DEFL.(LL)= L/ 999 (0.02") ALLOWABLE DEFL.(TL)= L/360 (0.63") CALCULATED VERT. DEFL.(TL)= L/ 999 (0.04")

CSI: TC=0.17/0.97 (C-D:1) , BC=0.16/0.97 (J-L:1) , WB=0.35/0.97 (D-M:1) , SSI=0.19/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

MAX MIN MAX MIN MAX MIN MAX MIN MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (M) (INPUT = 0.90) JSI METAL= 0.39 (A) (INPUT = 1.00)





JOB DESC

3-10-12

TRUSS DESC.

DRWG NO

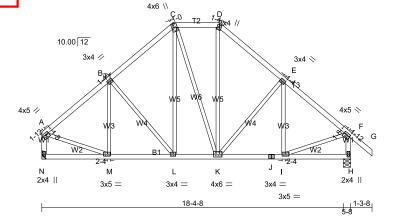
Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Fri Jul 14 07:34:08 2023 Page 1

10-10-0 2-10-0 8-0-0

Scale = 1:70.2

TOTAL WEIGHT = 96 lb

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<u>LUMBER</u> N. L. G. A. RULES DESCR. SPF CHORDS LUMBER A - C C - D D - G N - A H - F N - J DRY 2x4 No.2 SPF SPF SPF 2x4 2x4 DRY DRY No.2 No.2 2x4 2x4 DRY No.2 DRY DRY SPF SPF No.2 2x4 No.2 Н DRY No.2 SPF

No.2

DRY

DRY: SEASONED LUMBER

ALL WEBS 2x3

PLATES (table is in inches)
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JT	TYPE	PLATES	W	LEN	Y X
Α	TMVW-t	MT20	4.0	5.0	1.50 1.75
В	TMWW-t	MT20	3.0	4.0	1.50 1.25
С	TTWW+m	MT20	4.0	6.0	Edge 1.00
D	TTW+m	MT20	3.0	4.0	2.00 1.25
Е	TMWW-t	MT20	3.0	4.0	1.50 1.25
F	TMVW-t	MT20	4.0	5.0	1.50 1.75
Н	BMV1+p	MT20	2.0	4.0	
1	BMWW-t	MT20	3.0	5.0	1.50 2.25
J	BS-t	MT20	3.0	4.0	
K	BMWWW-t	MT20	4.0	6.0	
L	BMWW-t	MT20	3.0	4.0	
M	BMWW-t	MT20	3.0	5.0	1.50 2.25
Ν	BMV1+p	MT20	2.0	4.0	

INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD

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

<u>SEARINGS</u>									
	FACTO	RED	MAXIMUM FACTORED			INPUT	REQRD		
	GROSS RE	EACTION	GROSS REACTION			BRG	BRG		
JΤ	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX		
V	1296	0	1296	0	0	MECHANIC	CAL		
+	1462	0	1462	0	0	5-8	1-9		

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

# UNFACTORED REACTIONS

	151 LCASE	IVIAX./IV	IIIN. COMPO				
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	906	656 / 0	0/0	0/0	0/0	250 / 0	0/0
Н	1019	752 / 0	0/0	0/0	0/0	267 / 0	0/0

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

SPF

QUANTITY

0-0

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.54 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY

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

WERS

LOADING TOTAL LOAD CASES: (4) CHORDS

				WEBS					
MAX	(. FACTORED	FACTORED			MAX. FACTORED				
MEMB.	FORCE	VERT. LC	DAD LC	1 MAX	MAX.	MEMB.	FORCE	MAX	
	(LBS)	(PI	LF)	CSI (LC)	UNBRAC	)	(LBS)	CSI (LC)	
FR-TO		FROM	TO		LENGTH	I FR-TO			
A-B	-1180 / 0	-119.4	-119.4	0.26(1)	5.54	M- B	-214 / 16	0.08 (1)	
B- C	-1009 / 0	-119.4	-119.4	0.25 (1)	5.88	B- L	-294 / 0	0.20(1)	
C- D	-749 / 0	-119.4	-119.4	0.13(1)	6.25	L- C	0 / 277	0.06(1)	
D-E	-1011 / 0	-119.4	-119.4	0.25(1)	5.88	C-K	0/4	0.00(1)	
E-F	-1179 / 0	-119.4	-119.4	0.26(1)	5.54	K- D	0 / 282	0.06(1)	
F- G	0 / 53	-119.4	-119.4	0.16(1)	10.00	K-E	-291 / 0	0.20(1)	
N- A	-1265 / 0	0.0	0.0	0.13(1)	7.07	I-E	-217 / 15	0.08(1)	
H- F	-1429 / 0	0.0	0.0	0.15(1)	6.74	A- M	0 / 980	0.22(1)	
						I- F	0 / 979	0.22(1)	
N- M	0/0	-18.2	-18.2	0.07 (4)	10.00				
M- L	0 / 934	-18.2	-18.2	0.18(1)	10.00				
L-K	0 / 748	-18.2	-18.2	0.15(1)	10.00				
K-J	0 / 933	-18.2	-18.2	0.18(1)	10.00				
J- I	0 / 933	-18.2	-18.2	0.18(1)	10.00				
I- H	0/0	-18.2	-18.2	0.07(4)	10.00				

**DESIGN CRITERIA** 

SPEC	IFIED	LOAI	DS:		
TOP	CH.	LL	=	34.8	PSI
		DL	=	6.0	PS
BOT	CH.	LL	=	0.0	PSI
		DL	=	7.3	PSI
TOTA	1 10	ΔD	=	48 1	PSI

SPACING = 24.0 IN. C/C

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

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 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 (0.63") CALCULATED VERT. DEFL.(LL)= L/ 999 (0.02") ALLOWABLE DEFL.(TL)= L/360 (0.63") CALCULATED VERT. DEFL.(TL)= L/ 999 (0.05")

CSI: TC=0.26/0.97 (A-B:1) , BC=0.18/0.97 (L-M:1) , WB=0.22/0.97 (A-M:1) , SSI=0.18/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

MAX MIN MAX MIN MAX MIN MAX MIN MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (D) (INPUT = 0.90) JSI METAL= 0.41 (F) (INPUT = 1.00)



