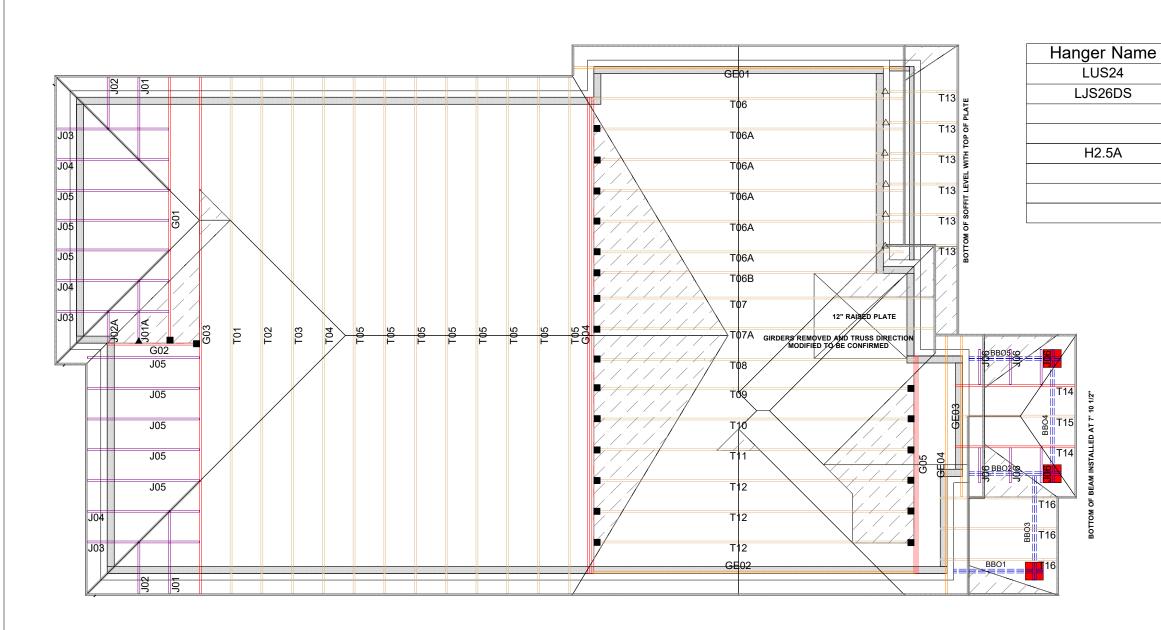


MHP 23030





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.

Symbol

QTY

1

23

0

6

0

0

0

JOB IN	FORMATION
Customer	GREENPARK HOMES
Job #	23-00115R0
	ZADORRA ESTATES
Address	ROSE 6 EL 1
	OSHAWA,ON
Model	ROSE 6 EL 1
Sales Rep	RALPH MIRIGELLO
Designer	BB
Date	6/2/2023
Path	S:\DESIGN\KLU\CUSTOMERS\GREENPARK\ZADORRA ESTATES\MODELS\ROSE 6\ROSE 6-1\T-ROSE

DESIGN	I 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
Spacing	noted
Complies With	OBC 2012 (2019 Amendment) CSA 086-14 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





Engineering Notes: Trusses



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").

TRITHUSSARME JOB NAME OF PERMIT PLANS Oct 90 2023 IM0723-091

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Fri Jul 14 07:34:41 2023 Page 1 ID:bcGHXsLhLjMpVeVc_4eeDgzAk?y-J4Rsl1qpe1vt?2GbvepUoC_1AAJAmzkAUDqptvyyE8i 10-0-0 12-10-12 16-0-0 17-3-8 10-0-0

16-0-0 16-3-8 12-10-12 2-10-12 Scale = 1:36.0

4x6 ‡ 4x5 = T2 6.00 12 3x4 🖊 3x4 ≥ Ε 5x6 / 5x6 < М 1.3x8 =3x5 = 3x8 = 3x4 =3x6 = 4x5 || 2x4 || 15-6-8 1-3-8

TRUSS DESC.

4-0-0

6-0-0

ULES			
SIZE		LUMBER	DESCR.
2x4	DRY	No.2	SPF
2x4	DRY	No.2	SPF
2x4	DRY	No.2	SPF
2x4	DRY	No.2	SPF
2x4	DRY	No.2	SPF
2x4	DRY	No.2	SPF
2x4	DRY	No.2	SPF
2x3	DRY	No.2	SPF
	SIZE 2x4 2x4 2x4 2x4 2x4 2x4 2x4 2x4	SIZE 2x4 DRY	SIZE LUMBER 2x4 DRY No.2 2x4 DRY No.2

DRY: SEASONED LUMBER

PL	PLATES (table is in inches)									
JT	TYPE	PLATES	W	LEN	Υ	X				
Α	TMVW-t	MT20	5.0	6.0	2.25	Edge				
В	TMWW-t	MT20	3.0	4.0	1.50	1.75				
С	TTWW-m	MT20	4.0	6.0	1.75	2.25				
D	TTW-m	MT20	4.0	5.0	2.00	2.25				
Е	TMWW-t	MT20	3.0	4.0	1.50	1.75				
F	TMVW-t	MT20	5.0	6.0	2.25	2.75				
Н	BMV1+p	MT20	2.0	4.0	2.25	1.00				
1	BMWW-t	MT20	3.0	8.0	1.50	2.50				
J	BS-t	MT20	3.0	5.0						
K	BMWWW-t	MT20	3.0	6.0						
L	BMWW-t	MT20	3.0	4.0						
M	BMWW-t	MT20	3.0	8.0	1.50	2.50				
Ν	BMV1+t	MT20	4.0	5.0	3.50					

INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD

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

	I TII TOO						
	FACTO	MAXIMU	M FACTO	INPUT	REQRD		
	GROSS RI	EACTION	GROSS	REACTIC	N	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
N	1980	0	1980	0	0	MECHAN	NICAL
Н	2142	0	2142	0	0	5-8	3-7

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

UNFACTORED REACTIONS

	151 LUASE	IVIAA./I	VIIN. COMPO	NENT REACTION	VO		
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Ν	1385	994 / 0	0/0	0/0	0/0	391 / 0	0/0
Н	1496	1088 / 0	0/0	0/0	0/0	408 / 0	0/0

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

1-4

2-10-12

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.05 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)

CHORDS WEBS MAX. FACTORED FACTORED MAX. FACTORE									
MEMB.	FORCE			MAX	MAX.	МЕМВ.		MAX	
	(LBS)				UNBRAC		(LBS)	CSI (LC)	
FR-TO		FROM	TO		LENGTH	FR-TO			
	-2537 / 0					M-B		0.10 (1)	
	-2660 / 0				3.96		-11 / 104	0.03 (1)	
	-2365 / 0							0.05 (4)	
	-2660 / 0						0/0	0.00(1)	
	-2536 / 0						0 / 142	0.05 (4)	
		-119.4						0.03 (1)	
N- A	-1925 / 0				5.94	I-E	-537 / 0	0.10 (1)	
H- F	-2087 / 0	0.0	0.0	0.23(1)	5.74	A- M	0 / 2367	0.59 (1)	
						I- F	0 / 2367	0.59 (1)	
N- M	0/0	-34.4		0.08(4)					
M- L	0 / 2282	-34.4		0.45(1)					
L- K	0 / 2365	-34.4		0.47 (1)					
K- J		-34.4		0.45(1)					
		-34.4		0.45(1)					
I- H	0/0	-34.4	-34.4	0.08(4)	10.00				
SPECIF	SPECIFIED CONCENTRATED LOADS (LBS)								

	LOC.			FACE	DIR.	TYPE	HEEL	CONN.
С	6-0-0	-367	-367	 FRONT	VERT	TOTAL		C1
D	10-0-0	-367	-367	 FRONT	VERT	TOTAL		C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

5-8

SPECIFIED LOADS:								
TOP	CH.	LL	=	34.8	PSF			
		DL	=	6.0	PSF			
BOT	CH.	LL	=	0.0	PSF			
		DL	=	7.3	PSF			
TOTA	L LO	AD	=	48.1	PSF			

SPACING = 24.0 IN. C/C

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

TOTAL WEIGHT = 65 lb

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

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF

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

- 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

ALLOWABLE DEFL.(LL)= L/360 (0.53") CALCULATED VERT. DEFL.(LL) = L/ 999 (0.06") ALLOWABLE DEFL.(TL)= L/360 (0.53") CALCULATED VERT. DEFL.(TL) = L/ 999 (0.11")

CSI: TC=0.80/0.97 (C-D:1) , BC=0.47/0.97 (K-L:1) , WB=0.59/0.97 (A-M:1) , SSI=0.39/1.00 (C-D: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 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (H) (INPUT = 0.90) JSI METAL= 0.70 (J) (INPUT = 1.00)





1-11-2

4-0-12

2-1-10

Scale = 1:34.0

OF PERMIT PLANS Oct 909 2023 IM0723-091

JOB DESC. QUANTITY MHP 23030 Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Fri Jul 14 07:34:42 2023 Page 1 TRUSS DESC.

6-0-0

1-11-4

D 2x4] 6.00 12 4x5 \\ 3x4 / R 4x5 / G Е 4x5 =3x10 || 2x4 || 6x10 || 5-6-8 5-8

TOTAL WEIGHT = 32 lb

LUMBER				
N. L. G. A. F	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 DRY: SEAS	2x3 ONED L	DRY UMBER.	No.2	SPF

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Υ	Χ
Α	TMVW-t	MT20	4.0	5.0	1.75	2.25
В	TMWW-t	MT20	3.0	4.0	1.50	1.75
С	TMWW+t	MT20	4.0	5.0	1.75	1.00
D	TMV+p	MT20	2.0	4.0		
Е	BMVW1+t	MT20	6.0	10.0	Edge	2.50
F	BMWW+t	MT20	3.0	10.0		
G	BMWW-t	MT20	4.0	5.0	2.00	2.00
Н	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

	FACTOR GROSS RE		MAXIMUN GROSS F		INPUT BRG	REQRD BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
4	1423	0	1423	0	0	5-8	1-9
Ξ	1944	0	1944	0	0	MECHANIC	AL

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

UNFACTORED REACTIONS

0-0

	1ST LCASE	MAX./	MAX./MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL		
Н	994	720 / 0	0/0	0/0	0/0	275 / 0	0/0		
E	1359	983 / 0	0/0	0/0	0/0	376 / 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 = 5.14 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)

СП	CHORDS WEBS							
	X. FACTORED	FACTORE	D		VV 1	MAX. FACT	ORED	
MEMB.				X MAX.	MEMB			
	(LBS)				RAC			
FR-TO	, ,	FROM TO	`	LENG	TH FR-TC) ` ´		
H- A	-1364 / 0	0.0	0.0 0.15	6.8	84 A-G	0 / 1406	0.35	(1)
A- B	-1464 / 0	-238.9 -23	38.9 0.19	(1) 5.1	4 G-B	-313 / 0	0.05	(1)
	-1318 / 0					-202 / 0		
	-11 / 0							
E- D	-91 / 0	0.0	0.0 0.02	? (1) 7.8	31 C-E	-2069 / 0	0.45	(1)
			36.5 0.03					
	0 / 1321			s (1) 10.0				
F-E	0 / 1175	-18.2 -1	18.2 0.34	l (1) 10.0	00			
0050			0 (1 00)					
	FIED CONCENT			E40E	DID	TVDE		00111
JΤ	LOC. LC1		MAX+	FACE	DIR.	TYPE	HEEL	CONN
F	4-0-12 -1385	-1385		FRONT	VERT	TOTAL		C1

CONNECTION REQUIREMENTS

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



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.

DESIGN CRITERIA

ID:bcGHXsLhLjMpVeVc_4eeDgzAk?y-nG_EVNqRPL1kdCqoTMKjLPXMZah5VSgJitaMPLyyE8h

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

SPECIFIED LOADS:

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

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 4-0-12 OF SPAN

*** 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

(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 (0.03")

CSI: TC=0.19/0.97 (A-B:1) , BC=0.36/0.97 (F-G:1) , WB=0.48/0.97 (C-F:1) , SSI=0.22/1.00 (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)
MAX MIN MAX MIN MAX MIN
650 371 1747 788 1987 1873



CORPORATION OF THE CITY OF OSHAWA JOB NAME TRIFFEUSSARME QUANTITY OF PERMIT PLANS IM0723-091 Oct 909 2023

ENG-IM0723-091-KTT-GREENPARK-ZADORRA-ROSE 6 EL 1

JOB DESC.

TRUSS DESC.

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ID:bcGHXsLhLjMpVeVc_4eeDgzAk?y-nG_EVNqRPL1kdCqoTMKjLPXMZah5VSgJitaMPLyyE8h

PLATE PLACEMENT TOL. = 0.250 inches

Page 4 of 45

PLATE ROTATION TOL. = 5.0 Deg. JSI GRIP= 0.89 (A) (INPUT = 0.90) JSI METAL= 0.51 (C) (INPUT = 1.00)





LUMBER				
N. L. G. A. R	ULES			
CHORDS	SIZE		LUMBER	DESCR.
A - D	2x6	DRY	2100F 1.8E	SPF
D - H	2x6	DRY	2100F 1.8E	SPF
H - I	2x6	DRY	2100F 1.8E	SPF
l - L	2x6	DRY	2100F 1.8E	SPF
B - R	2x6	DRY	2100F 1.8E	SPF
R - P	2x6	DRY	2100F 1.8E	SPF
P - K	2x6	DRY	2100F 1.8E	SPF
REINFORCIN	NG MEM	BERS		
HW1	2x6	DRY	No.2	SPF
HW2	2x6	DRY	No.2	SPF
····-				
ALL WEBS	2x3	DRY	No 2	SPF
EXCEPT	2,10	5		0
D - S	2x4	DRY	No.2	SPF
				51.1

DRY: SEASONED LUMBER.

1-3-8

PLA	PLATES (table is in inches)										
JT	TYPE	PLATES	W	LEN	Υ	Χ					
В	TMBMW1-m	MT20	8.0	10.0	3.25	1.00					
С	TMWW-t	MT20	4.0	4.0	2.00	1.75					
D	TTWW+m	MT20	8.0	10.0	4.25	2.50					
Е	TMWW-t	MT20	5.0	5.0	1.50	1.50					
F	TMW+w	MT20	2.0	4.0							
G	TMWW-t	MT20	4.0	5.0	1.50	2.25					
Н	TS-t	MT20	4.0	8.0							
1	TTWW-m	MT20	8.0	10.0	3.00	3.75					
J	TMWW-t	MT20	4.0	4.0	1.75	1.75					
K	TMBMW1-I	MT20	10.0	10.0	4.25	0.25					
M	BMWW-t	MT20	5.0	6.0	2.25	2.00					
Ν	BMWW-t	MT20	4.0	4.0	2.00	1.75					
0	BMWW-t	MT20	6.0	6.0	2.25	1.50					
Ρ	BS-t	MT18HS	6.0	12.0							
Q	BMWWW-t	MT20	8.0	10.0	4.25	5.00					
R	BS-t	MT18HS	5.0	12.0							
S	BMWW-t	MT20	5.0	6.0	1.75	2.00					
Т	BMWW-t	MT20	4.0	4.0							
1.1	RMM/////-t	MT20	5.0	5.0	2 25	1 75					

PROFESSIONAL	E 20
I.MATIJEVIC 100528832	INEER
VINCE OF ONTO	
	I.MATIJEVIC

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.

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

30-1-0

	FACTORED		MAXIMUM FACTORED			INPUT	REQRD				
	GROSS REACTION GROSS REACTION B			BRG	BRG	HEEL					
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	WEDGE			
В	3719	0	3719	0	0	5-8	3-8	2x3 L			
K	4551	0	4551	0	0	5-8	4-5	2x3 R			

UNFACTORED REACTIONS

1	151 LUASE	IVIAX./I	VIIN. COMPO	NENT REACTION	V5		
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
В	2596	1897 / 0	0/0	0/0	0/0	699 / 0	0/0
K	3180	2303 / 0	0/0	0/0	0/0	877 / 0	0/0

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)

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.11 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY

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

TOTAL LOAD CASES: (4)

	HORDS				W E	BS	
	X. FACTORED					MAX. FACTO	
MEMB		VERT. LOAD LC		MAX.			MAX
	(LBS)	(PLF)				(LBS)	CSI (LC)
FR-TO		FROM TO		LENGTH			
A-B	0/0	-119.4 -119.4			U- C		0.16 (1)
B- W	-3926 / 0	-119.4 -119.4				0 / 691	0.17 (1)
W-C	-5147 / 0	-119.4 -119.4			T- D		0.07 (1)
C- D	-5735 / 0	-119.4 -119.4			D-S		0.71 (1)
D-E	-8371 / 0	-119.4 -119.4				-2259 / 0	0.55 (1)
E-F	-10531 / 0	-119.4 -119.4			E- Q	0 / 2683	0.66 (1)
F-G	-10531 / 0	-225.2 -225.2			Q-F		0.17 (1)
G-H	-9245 / 0	-225.2 -225.2				0 / 1672	0.41 (1)
H- I	-9245 / 0	-225.2 -225.2				-2190 / 0	0.54 (1)
I- J	-7174 / 0	-119.4 -119.4			O- I		0.91 (1)
J-Y	-6383 / 0	-119.4 -119.4			N- I		0.07 (1)
Y-K	-4862 / 0	-119.4 -119.4					0.23 (1)
K-L	0/0	-119.4 -119.4	0.05 (1)	10.00		-1165 / 0	0.20 (1)
l					V- W	0 / 53	0.00 (1)
B- V	0 / 1763		0.09 (1)		W- U		0.38 (1)
V- U	0 / 1763		0.13 (1)		M- Y		0.48 (1)
U-T	0 / 4572		0.28 (1)		X-Y	0 / 100	0.00 (1)
T-S	0 / 5119		0.30 (1)				
S-R	0 / 8371		0.54 (1)				
R-Q	0 / 8371	-18.2 -18.2					
Q-P	0 / 9244		0.60 (1)				
P- O O- N	0 / 9244		0.60 (1)				
	0 / 6407		0.39 (1)				
N- M M- X	0 / 5669 0 / 2173		0.35 (1)				
X- K	0/21/3		0.16 (1) 0.11 (1)				
^- K	0/21/3	-34.4 -34.4	0.11(1)	10.00			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
l	25-0-0	-367	-367		FRONT	VERT	TOTAL		C1
_	40 0 40	4050	4050		EDONIT	\/CDT	TOTAL		0.4

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

1-3-8

TOTAL WEIGHT = 173 lb

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/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 ADDT'L LOADS BASED ON 55 % OF GSL. LOADS APPLIED TO FIRST 14-11-4 OF SPAN MEASURED FROM THE RIGHT.

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

(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 (0.32")
ALLOWABLE DEFL.(TL)= L/360 (1.03")
CALCULATED VERT. DEFL.(TL)= L/ 678 (0.55")

CSI: TC=0.41/0.97 (F-G:1) , BC=0.60/0.97 (O-Q:1) , WB=0.91/0.97 (I-O:1) , SSI=0.38/1.00 (F-G: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.



CORPORATION OF THE CITY OF OSHAWA JOB NAME TRIFFEUSSARME OF PERMIT PLANS IM0723-091 Oct 909 2023

ENG-IM0723-091-KTT-GREENPARK-ZADORRA-ROSE 6 EL 1 QUANTITY JOB DESC.

TRUSS DESC.

MHP 23030 Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Fri Jul 14 07:34:43 2023 Page 2 ID:bcGHXsLhLjMpVeVc_4eeDgzAk?y-FSYcjjr4Ae9bELP_13ryud3Tu_zgEo7TxWJwxoyyE8g

> PLATE PLACEMENT TOL. = 0.250 inches PLATE ROTATION TOL. = 5.0 Deg. JSI GRIP= 0.90 (U) (INPUT = 0.90) JSI METAL= 0.98 (R) (INPUT = 1.00)

Page 6 of 45

I.MATIJEVIC 100528832 NCE OF ON

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.

JULY 14, 2023



15-6-0

6x8 ||

Scale = 1:71.9

OF PERMIT PLANS Oct 904 2023

5-3-11

JOB DESC QUANTITY TRUSS DESC.

10-4-13

MHP 23030 Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Fri Jul 14 07:34:44 2023 Page 1

ID:bcGHXsLhLjMpVeVc_4eeDgzAk?y-jf6_w3sixyHSsV_AbnMBQqcXWODKzGHcAA3TUEyyE8f 20-7-3 25-8-5 31-0-0 5-3-11

6.00 12 4x5 / 4x5 < **V**2 3x8 = 3x4 = G 3x8 <> 1-12 6x10 / 6x10 ≥ Ν 6x8 || 6x8 || 8x8 = 4x6 || 6x10 || 4x6 || 8x8 =

TOTAL WEIGHT = 3 X 151 = 453 II

LUMBER	LUMBER									
N. L. G. A. R	ULES									
CHORDS	SIZE		LUMBER	DESCR.						
A - B	2x4	DRY	No.2	SPF						
B - E	2x4	DRY	No.2	SPF						
E - H	2x4	DRY	No.2	SPF						
H - I	2x4	DRY	No.2	SPF						
P - A	2x6	DRY	No.2	SPF						
J - I	2x6	DRY	No.2	SPF						
P - M	2x6	DRY	No.2	SPF						
M - J	2x6	DRY	No.2	SPF						
ALL WEBS	2x3	DRY	No.2	SPF						
EXCEPT										
A - O	2x4	DRY	No.2	SPF						
K - I	2x4	DRY	No.2	SPF						

5-8

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF $\underline{\mathbf{3}}$ TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORD	S #ROWS	SURFACE	LOAD(PLF)
		SPACING (IN)	
TOP CH	ORDS: (0.1	22"X3") SPIRAL NA	NLS
A- B	1	12	TOP
B- E	1	12	TOP
E- H	1	12	TOP
H- I	1	12	TOP
P- A	2	12	TOP
J- I	2	12	TOP
BOTTO	M CHORDS	: (0.122"X3") SPIRA	L NAILS
P- M	2	6	SIDE(432.2)
M- J	2	6	SIDE(432.2)
WEBS:	(0.122"X3")	SPIRAL NAILS	, ,
2x3	1	6	
2x4	1	6	

STAGGER NAILS BY HALF THE SURFACE SPACING IN ADJACENT PLIES.

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.

I.MATIJEVIC 100528832 NCE OF ON

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.

JULY 14, 2023

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

<u> </u>	111100						
	FACTORED		MAXIMUN	/ FACTO	INPUT	REQRD	
	GROSS RE	GROSS REACTION			BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
Р	11391	0	11391	0	0	5-8	5-8
J	12002	0	12002	0	0	5-8	5-8

UNFACTORED REACTIONS

l .	151 LUASE	: IVIAX./I	VIIN. COMPO	NENT REACTION	V 5		
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Р	7961	5760 / 0	0/0	0/0	0/0	2201 / 0	0/0
J	8388	6069 / 0	0/0	0/0	0/0	2319 / 0	0/0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.44 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY

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

2x6 DRY SPF No.2 T-BRACE AT F-M, D-M

FASTEN T AND I-BRACES TO NARROW EDGE OF WEB WITH ONE ROW PER PLY OF 3 COMMON WIRE NAILS @ 6" O.C. WITH 3" MINIMUM END DISTANCE. BRACE MUST COVER

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)

	HORDS	E. 0.T.0					BS FACTO	
	X. FACTORED							
MEMB							. FORCE	
	(LBS)	(PI	_F)_	CSI (LC)	UNBRAC	;	(LBS)	CSI (LC)
A-B	-16870 / 0	-119.4					0 / 10235	0.77 (1)
B- C	-16870 / 0	-119.4	-119.4	0.80(1)	2.53	M- F	-5114 / 0	0.64 (1)
C-D	-15375 / 0	-119.4	-119.4	0.60(1)	2.79	L- F	0 / 4882	0.37(1)
D- E	-12039 / 0	-119.4	-119.4	0.44(1)	3.26	L- G	-2046 / 0	0.44(1)
E-F	-12039 / 0	-119.4	-119.4	0.44 (1)	3.26	K- G	0 / 1346	0.10 (1)
F- G	-15723 / 0	-119.4	-119.4	0.63 (1)	2.75	D- M	-4633 / 0	0.58 (1)
G- H	-17611 / 0			0.86 (1)		N- D	0 / 4363	0.33 (1)
H- I	-17611 / 0	-119.4	-119.4	0.86 (1)	2.44	C- N	-1625 / 0	0.35 (1)
		0.0					0 / 932	
		0.0					0 / 15264	
• •				(.,			0 / 15933	
P- 0	0/0	-581.9	-581.9	0.35(1)	10.00		07 10000	0.00 (1)
0- N	0 / 15104			0.91 (1)				
N-Q	0 / 13755			0.88 (1)				
Q-M	0 / 13755			0.88 (1)				
M-L	0 / 14068			0.89 (1)				
L-K	0 / 15766			0.95 (1)				
K-J	0/0	-000.5	-006.5	0.39 (1)	10.00			

DESIGN CRITERIA

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	PSF

SPACING = 24.0 IN. C/C

GIRDER TYPE: CStdGirder START DISTANCE = 0-0 START DISTANCE = U-U
START SPAN CARRIED = 18-10-0
END DISTANCE = 11-5-8
END SPAN CARRIED = 18-10-0
END WALL WIDTH = 5-8
APPLIED TO FRONT SIDE OF BOTTOM CHORD. - ADDT'L LOADS BASED ON 55 % OF GSL. (DEFINED BY USER)

GIRDER TYPE: CStdGirder START DISTANCE = 11-5-8 START SPAN CARRIED = 20-10-0 END DISTANCE = 31-0-0 END SPAN CARRIED = 20-10-0 END WALL WIDTH = 0-0 APPLIED TO FRONT SIDE OF BOTTOM CHORD. - ADDT'L LOADS BASED ON 55 % OF GSL. (DEFINED BY USER)

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

(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 (0.28") ALLOWABLE DEFL.(TL)= L/360 (1.03") CALCULATED VERT. DEFL.(TL)= L/770 (0.48")

CSI: TC=0.86/0.97 (G-l:1) , BC=0.95/0.97 (K-L:1) , WB=0.85/0.97 (I-K:1) , SSI=0.40/1.00 (J-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 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.



CORPORATION OF THE CITY OF OSHAWA JOB NAME TRITHUSSARME OF PERMIT PLANS

Oct 30 2023

QUANTITY PLY JOB DESC. TRUSS DESC.

ENG-IM0723-091-KTT-GREENPARK-ZADORRA-ROSE 6 EL 1

MHP 23030 Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Fri Jul 14 07:34:44 2023 Page 2

ID:bcGHXsLhLjMpVeVc_4eeDgzAk?y-jf6_w3sixyHSsV_AbnMBQqcXWODKzGHcAA3TUEyyE8f

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IM0723-091

PLATES (table)
JT TYPE
A TMVW-t
B TS-t
C TMWW-t
D TMWW-t
E TTW+p
F TMWW-t
G TMWW-t
H TS-t
I TMVW-t LEN Y X 10.0 3.00 4.50 PLATES MT20 W 6.0 3.0 3.0 4.0 6.0 4.0 3.0 3.0 6.0 10.0 3.00 4.50 8.0 4.0 1.50 1.75 5.0 1.50 1.75 8.0 Edge 5.0 1.50 1.75 4.0 1.50 1.75 8.0 MT20 MT20 MT20 MT20 MT20 TMWW-t TS-t TMVW-t MT20 MT20 MT20 BMV1+t BMWW-t MT20 MT20 6.0 8.0 8.0 Edge 0.50 8.0 4.00 3.75 MT20 MT20 MT20 MT20 MT20 MT20 4.0 6.0 4.00 3.75 4.0 6.0 10.0 Edge 3.00 4.0 6.0 8.0 4.00 3.75 6.0 8.0 5.50 BMWW+t BSWWW+l BMWW+t LMNOP BMWW-t BMV1+t

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

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





ENG-IM0723-091-KTT-GREENPARK-ZADORRA-ROSE 6 EL 1

3-7-12

Page 9 of 45

Scale = 1:62.9

OF PERMIT PLANS Oct 905 2023 IM0723-091

JOB DESC. QUANTITY MHP 23030 Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Fri Jul 14 07:34:45 2023 Page 1 TRUSS DESC. ID:bcGHXsLhLjMpVeVc_4eeDgzAk?y-BrgM8PtKiGPIUfZN8UtQz29sRog_ioLlOqo10gyyE8e

3-7-12

14-2-0

10-6-4

С 10.00 12 3x5 // 3x5 N D 6x6 || 6x6 || Ε \boxtimes Ř G 3x4 || 6x6 = 3x4 || 6x6 = 6x6 =

7-1-0

3x8 ||

TOTAL WEIGHT = 2 X 77 = 153 lb

LUMBER				
N. L. G. A. R	ULES			
CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
C - E	2x4	DRY	No.2	SPF
J - A	2x6	DRY	No.2	SPF
F - E	2x6	DRY	No.2	SPF
J - F	2x6	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				

DRY: SEASONED LUMBER

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

CHORE	S #ROWS	SURFACE	LOAD(PLF)
		SPACING (IN)	
TOP C	HORDS: (0.	122"X3") SPIRAL	NAILS
A- C	1	12	TOP
C-E	1	12	TOP
J- A	2	12	TOP
F-E	2	12	TOP
BOTTO	M CHORDS	S: (0.122"X3") SP	IRAL NAILS
J- F	2	8	SIDE(324.1)
WEBS	: (0.122"X3") SPIRAL NAILS	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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
Α	TMVW+p	MT20	6.0	6.0	Edge
В	TMWW-t	MT20	3.0	5.0	1.50 2.00
С	TTW+p	MT20	3.0	8.0	Edge
D	TMWW-t	MT20	3.0	5.0	1.50 2.00
Е	TMVW+p	MT20	6.0	6.0	Edge
F	BMV1+p	MT20	3.0	4.0	
G	BMWW-t	MT20	6.0	6.0	3.50 2.50
Н	BMWWW-t	MT20	6.0	6.0	2.50 3.00
1	BMWW-t	MT20	6.0	6.0	3.50 2.50
J	BMV1+p	MT20	3.0	4.0	



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.

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

13-3-0

<u> </u>	111100						
	FACTOR	ED	MAXIMUN	/ FACTO	RED	INPUT	REQRD
	GROSS RE	ACTION	GROSS F	REACTIO	N	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
J	5567	0	5567	0	0	5-8	3-9
F	5567	0	5567	0	0	5-8	3-9

5-8

0-0

UNFACTORED REACTIONS							
	1ST LCASE	MAX./N	IIN. COMPO	NENT REACTION	NS		
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	3890	2815 / 0	0/0	0/0	0/0	1076 / 0	0/0
F	3890	2815 / 0	0/0	0/0	0/0	1076 / 0	0/0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.20 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	WEBS					
MAX	K. FACTORED	FACTORED				MAX. FACTO	RED
MEMB.	FORCE	VERT. LOAD LO	1 MAX	MAX.	MEMB.	FORCE	MAX
	(LBS)	(PLF)	CSI (LC)	UNBRAC	2	(LBS)	CSI (LC)
FR-TO		FROM TO		LENGTH	I FR-TO		
A- B	-4817 / 0	-119.4 -119.4	1 0.21 (1)	4.20	H- C	0 / 4407	0.55 (1)
B- C	-3730 / 0	-119.4 -119.4	1 0.15 (1)	4.73	H- D	-1383 / 0	0.35(1)
C- D	-3730 / 0	-119.4 -119.4	1 0.15 (1)	4.73	G- D	0 / 1309	0.16(1)
D- E	-4817 / 0	-119.4 -119.4	1 0.21 (1)	4.20	B- H	-1383 / 0	0.35 (1)
J- A	-4528 / 0	0.0 0.0	0.17 (1)	6.68	I- B	0 / 1309	0.16 (1)
F-E	-4528 / 0	0.0 0.0	0.17 (1)	6.68	A- I	0 / 3920	0.49(1)
					G-E	0 / 3920	0.49(1)
J- I	0/0	-666.5 -666.5	5 0.30 (1)	10.00			
I- H	0 / 3717	-666.5 -666.5	5 0.48 (1)	10.00			
H- G	0 / 3717	-666.5 -666.5	5 0.48 (1)	10.00			
G-F	0/0	-666.5 -666.5	5 0.30 (1)	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	L LO	AD	=	48.1	PSI

SPACING = 24.0 IN. C/C

GIRDER TYPE: CStdGirder START DISTANCE = 0-0 START SPAN CARRIED = 20-10-0 END DISTANCE = 14-2-0 END SPAN CARRIED = 20-10-0 END WALL WIDTH = 0-0
APPLIED TO FRONT SIDE OF BOTTOM CHORD. - ADDT'L LOADS BASED ON 55 % OF GSL. (DEFINED BY USER)

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 (0.47") CALCULATED VERT. DEFL.(LL) = L/999 (0.05") ALLOWABLE DEFL.(TL)= L/360 (0.47") CALCULATED VERT. DEFL.(TL) = L/ 999 (0.08")

CSI: TC=0.21/0.97 (A-B:1) , BC=0.48/0.97 (H-I:1) , WB=0.55/0.97 (C-H:1) , SSI=0.46/1.00 (I-J: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
650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (E) (INPUT = 0.90) JSI METAL= 0.52 (C) (INPUT = 1.00)



CORPORATION OF THE CITY OF OSHAWA

ENG-IM0723-091-KTT-GREENPARK-ZADORRA-ROSE 6 EL 1

Page 10 of 45

JOB NAME

OF PERMITT PLANS

IM0723-091

Oct 305 2023

TRUSS DESC.

TRUSS DESC.

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Fri Jul 14 07:34:45 2023 Page 2

ID:bcGHXsLhLjMpVeVc 4eeDgzAk?y-BrgM8PtKiGPIUfZN8UtQz29sRog ioLIOqo10gyyE8e

TOUCHES EDGE OF CHORD.





Oct 960 2023

ENG-IM0723-091-KTT-GREENPARK-ZADORRA-ROSE 6 EL 1

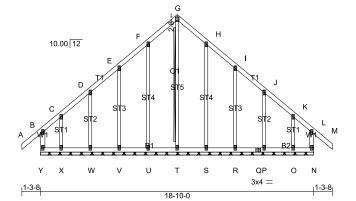
Page 11 of 45

QUANTITY JOB DESC. TRUSS DESC.

MHP 23030 Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Fri Jul 14 07:34:46 2023 Page 1

ID:bcGHXsLhLjMpVeVc_4eeDgzAk?y-f1ElLktyTZX95p8ZiCPfVFh2vB7MRJhvdUYaY6yyE8d
9-5-0
1-3-8
1-3-8 Scale = 1:79.4

9-5-0 9-5-0 3x4 ||



TOTAL WEIGHT = 95 lb

LUMBER				
N. L. G. A. R	ULES			
CHORDS	SIZE		LUMBER	DESCR.
Y - B	2x4	DRY	No.2	SPF
A - G	2x4	DRY	No.2	SPF
G - M	2x4	DRY	No.2	SPF
N - L	2x4	DRY	No.2	SPF
Y - Q	2x4	DRY	No.2	SPF
Q - N	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
ALL GABLE	WEBS			
	2x3	DRY	No.2	SPF
DRY: SEASO	ONED LU	JMBER.		

LEN Y

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (t	able is in inches)	
JT TYPE	PLATES	W
B TMV+p	MT20	2.
C, D, E, F, H	∃, I, J, K	

В	IMV+p	M120	2.0	4.0		
C,	D, E, F, H, I,	J, K				
С	TMW+w	MT20	2.0	4.0		
G	TTW+p	MT20	3.0	4.0	2.50	1.5
L	TMV+p	MT20	2.0	4.0		
Ν	BMV1+p	MT20	2.0	4.0		
Ο,	P, R, S, T, U	, V, W, X				
0	BMW1+w	MT20	2.0	4.0		
Q	BS-t	MT20	3.0	4.0		
Υ	BMV1+p	MT20	2.0	4.0		

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

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

<u>BRACING</u> TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 6.25 FT OR RIGID CEILING DIRECTLY APPLIED.

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

2x4 DRY SPF No.2 T-BRACE AT G-T

FASTEN T AND I-BRACES TO NARROW EDGE OF WEB WITH ONE ROW PER PLY OF 3" COMMON WIRE NAILS @ 6" O.C. WITH 3" MINIMUM END DISTANCE. BRACE MUST COVER 90% OF WEB LENGTH.

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)

СНС	RDS				W E	BS	
MAX.	FACTORED	FACTORED				MAX. FACTO	DRED
MEMB.	FORCE	VERT. LOAD I	_C1 MAX	MAX.	MEMB.	FORCE	MAX
	(LBS)	(PLF)	CSI (LC)	UNBRAG	2	(LBS)	CSI (LC)
FR-TO		FROM TO		LENGTH	FR-TO		
Y-B	-282 / 0	0.0	.0 0.04 (1)	7.81	T- G	-296 / 0	0.20(1)
A-B	0 / 53	-119.4 -119	.4 0.16 (1)	10.00	U- F	-248 / 0	0.28(1)
B- C	-14 / 0	-119.4 -119	0.4 0.11 (1)	6.25	V-E	-229 / 0	0.14(1)
C- D	0 / 32	-119.4 -119	.4 0.07 (1)	10.00	W- D	-251 / 0	0.07(1)
D- E	0 / 29	-119.4 -119			X- C	-133 / 0	0.02(1)
E-F	0 / 38	-119.4 -119	.4 0.07 (1)		S- H	-248 / 0	0.28 (1)
F-G	0 / 38	-119.4 -119			R- I	-229 / 0	0.14 (1)
G- H	0 / 38	-119.4 -119	.4 0.07 (1)		P- J	-251 / 0	0.07 (1)
H- I	0 / 38	-119.4 -119	.4 0.07 (1)	10.00	O- K	-133 / 0	0.02(1)
I- J	0 / 29	-119.4 -119	.4 0.07 (1)	10.00			
J- K	0 / 32	-119.4 -119					
K-L	-14 / 0	-119.4 -119					
L- M	0 / 53	-119.4 -119					
N-L	-282 / 0	0.0	0.04 (1)	7.81			
Y- X	-13 / 0		.2 0.02 (1				
X-W	-18 / 0		.2 0.02 (4				
W-V	-24 / 0		.2 0.02 (4				
V- U	-28 / 0		.2 0.01 (4				
U- T	-31 / 0		.2 0.01 (4				
T-S	-31 / 0		.2 0.01 (4				
S-R	-28 / 0		.2 0.01 (4				
R-Q	-24 / 0		.2 0.02 (4				
Q-P	-24 / 0		.2 0.02 (4				
P- 0	-18 / 0		.2 0.02 (4				
O- N	-13 / 0	-18.2 -18	.2 0.02 (1)	6.25			

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	I IO	AD	=	48 1	PSI

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

CSI: TC=0.16/0.97 (A-B:1) , BC=0.02/0.97 (X-Y:1) , WB=0.28/0.97 (F-U:1) , 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 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.51 (G) (INPUT = 0.90) JSI METAL= 0.14 (L) (INPUT = 1.00)





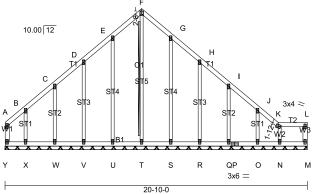
9-5-0

Scale = 1:79.4

OF PERMIT PLANS Oct 3602023

QUANTITY JOB DESC. **1HP23030** 2 2023 MiTek Industries, Inc. Fri Jul 14 07:34:46 2023 Page 1 TRUSS DESC. Version 8.630 S Mar 2 ID:bcGHXsLhLjMpVeVc_4eeDgzAk?y-f1ElLktyTZX95p8ZiCPfVFh4XB71RJpvdUYaY6yyE8d

18-10-0 20-10-0 2-0-0 9-5-0 3x4 || 10.00 12 G



TOTAL WEIGHT = 96 lb

LUMBER				
N. L. G. A. R	ULES			
CHORDS	SIZE		LUMBER	DESCR.
Y - A	2x4	DRY	No.2	SPF
A - F	2x4	DRY	No.2	SPF
F - K	2x4	DRY	No.2	SPF
K - L	2x4	DRY	No.2	SPF
M - L	2x4	DRY	No.2	SPF
Y - P	2x4	DRY	No.2	SPF
P - M	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
ALL GABLE	WEBS			
	2x3	DRY	No.2	SPF
DRY: SEASO	ONED LI	JMBER.		

GABLE STUDS SPACED AT 2-0-0 OC.

PLA	TES	(table	is	in	inches)	
IT	TYPE			ol.	ΔTES	

JI	111 -	ILAILO	vv			^	
Α	TMV+p	MT20	2.0	4.0			
В,	C, D, E, G, H,	I, J					
В	TMW+w	MT20	2.0	4.0			
F	TTW+p	MT20	3.0	4.0	2.50	1.50	
K	TTW-m	MT20	3.0	4.0	1.75	2.00	
L	TMV+p	MT20	2.0	4.0			
M	BMV1+p	MT20	2.0	4.0			
N,	O, Q, R, S, T,	U, V, W, X					
Ν	BMW1+w	MT20	2.0	4.0			
Ρ	BS-t	MT20	3.0	6.0			
Υ	BMV1+p	MT20	2.0	4.0			

I FN Y

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

0-0

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

<u>BRACING</u> 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.

2x4 DRY SPF No.2 T-BRACE AT F-T

FASTEN T AND I-BRACES TO NARROW EDGE OF WEB WITH ONE ROW PER PLY OF 3" COMMON WIRE NAILS @ 6" O.C. WITH 3" MINIMUM END DISTANCE. BRACE MUST COVER 90% OF WEB LENGTH.

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	
MAX	X. FACTORED	FACTORE)			MAX. FACTO	RED
MEMB.	FORCE	VERT. LOAD	LC1 MAX	MAX.	MEMB.	FORCE	MAX
	(LBS)	(PLF)	CSI (LC) UNBRA	С	(LBS)	CSI (LC)
FR-TO		FROM TO		LENGT	H FR-TO		
Y- A	-116 / 0	0.0	0.0 0.04 (1	7.81	T- F	-214 / 0	0.14(1)
A-B	-57 / 0	-119.4 -11	9.4 0.04 (*	6.25	U- E	-241 / 0	0.28(1)
B- C	-41 / 0	-119.4 -11	9.4 0.06 (6.25	V- D	-233 / 0	0.14(1)
C- D	-40 / 0	-119.4 -11	9.4 0.06 (6.25	W-C	-244 / 0	0.07(1)
D- E	-33 / 0	-119.4 -11	9.4 0.06 (6.25	X-B	-183 / 0	0.03(1)
E-F	-29 / 0	-119.4 -11	9.4 0.06 (6.25	S-G	-241 / 0	0.28(1)
F-G	-29 / 0	-119.4 -11	9.4 0.06 (6.25	R- H	-233 / 0	0.14(1)
G- H	-34 / 0	-119.4 -11	9.4 0.06 (6.25	Q- I	-242 / 0	0.07(1)
H- I	-40 / 0	-119.4 -11	9.4 0.06 (6.25	O- J	-186 / 0	0.03(1)
I- J	-42 / 0	-119.4 -11	9.4 0.06 (6.25	N- K	-237 / 0	0.03(1)
J- K	-55 / 0	-119.4 -11	9.4 0.04 (6.25			
K-L	-24 / 0	-119.4 -11	9.4 0.04 (*	6.25			
M- L	-117 / 0	0.0	0.0 0.04 (1	7.81			
Y- X	0 / 43	-18.2 -1	8.2 0.04 (1				
X-W	0 / 36	-18.2 -1	8.2 0.02 (4	10.00			
W-V	0 / 30		8.2 0.02 (4				
V- U	0 / 26	-18.2 -1	8.2 0.02 (4	10.00			
U- T	0 / 23	-18.2 -1	8.2 0.02 (4	10.00			
T-S	0 / 23		8.2 0.02 (4				
S-R	0 / 26		8.2 0.02 (4				
R-Q	0 / 30		8.2 0.02 (4				
Q-P	0 / 36		8.2 0.02 (4				
P- 0	0 / 36		8.2 0.02 (4				
O- N	0 / 43		8.2 0.01 (4				
N- M	0 / 24	-18.2 -1	8.2 0.01 (4	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:									
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 ALL FLAT SECTIONS 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

CSI: TC=0.06/0.97 (F-G:1) , BC=0.04/0.97 (X-Y:1) , WB=0.28/0.97 (G-S:1) , SSI=0.09/1.00 (K-L: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= 0.79 (K) (INPUT = 0.90) JSI METAL= 0.13 (C) (INPUT = 1.00)





Oct \$6032023

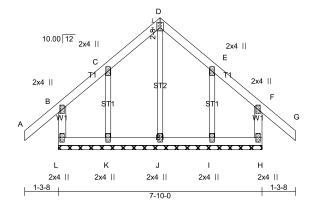
ENG-IM0723-091-KTT-GREENPARK-ZADORRA-ROSE 6 EL 1

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JOB DESC. QUANTITY MHP 23030 Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Fri Jul 14 07:34:47 2023 Page 1 TRUSS DESC.

ID:bcGHXsLhLjMpVeVc_4eeDgzAk?y-7Eo7Z4uaEtf0jzjlGvwu2TEDfbTgApe2s8H74ZyyE8c 7-10-0 9-1-8 3-11-0 1-3-8 -1-3-8 <u>1-3-8</u> 0-0 3-11-0 3-11-0 3x4 ||

Scale = 1:44.3



TOTAL WEIGHT = 35 lb

LUMBER				
N. L. G. A. R	ULES			
CHORDS	SIZE		LUMBER	DESCR.
L - B	2x4	DRY	No.2	SPF
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	No.2	SPF
H - F	2x4	DRY	No.2	SPF
L - H	2x4	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
ALL GABLE	WEBS			
	2x3	DRY	No.2	SPF
DRY: SEASO	DNED LU	JMBER.		

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES	(table is in	inches)

TYPE	PLATES	W	LEN	Υ	Х	
TMV+p	MT20	2.0	4.0			
TMW+w	MT20	2.0	4.0			
TTW+p	MT20	3.0	4.0	2.50	1.50	
TMW+w	MT20	2.0	4.0			
TMV+p	MT20	2.0	4.0			
BMV1+p	MT20	2.0	4.0			
K						
BMW1+w	MT20	2.0	4.0			
BMV1+p	MT20	2.0	4.0			
	TMV+p TMW+w TTW+p TMW+w TMV+p BMV1+p K BMW1+w	TMV+p MT20 TMW+w MT20 TTW+p MT20 TMW+w MT20 TMV+p MT20 TMV+p MT20 BMV1+p MT20 K BMW1+w MT20	TMV+p MT20 2.0 TMW+w MT20 3.0 TTW+p MT20 3.0 TMW+w MT20 2.0 TMV+p MT20 2.0 BMV1+p MT20 2.0 K BMW1+w MT20 2.0	TMV+p MT20 2.0 4.0 TMW+w MT20 2.0 4.0 TTW+p MT20 3.0 4.0 TMW+w MT20 2.0 4.0 TMV+p MT20 2.0 4.0 BMV1+p MT20 2.0 4.0 K BMW1+w MT20 2.0 4.0	TMV+p MT20 2.0 4.0 TMW+w MT20 2.0 4.0 TTW+p MT20 3.0 4.0 TMW+w MT20 2.0 4.0 TMV+p MT20 2.0 4.0 BMV1+p MT20 2.0 4.0 K K BMW1+w MT20 2.0 4.0 K 2.0 4.0 K 4.0 4.0 4.0 K 4.0 4.0 4.0 K 4.0 4.0 4.0 K 4.0 4.0 4.0 K 6.0 4.0 4.0	TMV+p MT20 2.0 4.0 TMW+w MT20 2.0 4.0 TW+p MT20 3.0 4.0 2.50 1.50 TMW+w MT20 2.0 4.0 TMV+p MT20 2.0 4.0 BMV1+p MT20 2.0 4.0 K SBMV1+w MT20 2.0 4.0 K SBMV1+w MT20 2.0 4.0 SBMV1+w MT20 2.0 5.0 SBMV1+w MT20 2.0 5.0 SBMV1+w MT20 2.0 SBMV1+w MT2

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

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS. THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

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

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

LOADING TOTAL LOAD CASES: (4)

CHC	DRDS		WEBS					
MAX.	FACTORED	FACTORED				MAX. FACTO	RED	
МЕМВ.	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			
L- B	-274 / 0	0.0 0.0	0.06(1)	7.81	J- D	-323 / 0	0.11 (1)	
A-B	0 / 53	-119.4 -119.4	0.16(1)	10.00	K- C	-198 / 0	0.04(1)	
B- C	0 / 23	-119.4 -119.4	0.10(1)	10.00	I-E	-198 / 0	0.04(1)	
C-D	0 / 51	-119.4 -119.4	0.07 (1)	10.00				
D-E	0 / 51	-119.4 -119.4	0.07 (1)	10.00				
	0 / 23							
F- G	0 / 53	-119.4 -119.4	0.16 (1)	10.00				
H-F	-274 / 0	0.0 0.0	0.06(1)	7.81				
L- K	-29 / 0	-18.2 -18.2						
K-J	-35 / 0	-18.2 -18.2						
J-I	-35 / 0	-18.2 -18.2						
I- H	-29 / 0	-18.2 -18.2	0.02 (4)	6.25				

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		۸ ا	_	101	DOL

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

CSI: TC=0.16/0.97 (F-G:1) , BC=0.02/0.97 (J-K:4) , WB=0.11/0.97 (D-J:1) , SSI=0.10/1.00 (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 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.41 (D) (INPUT = 0.90) JSI METAL= 0.13 (B) (INPUT = 1.00)



JULY 14, 2023

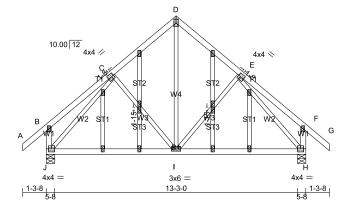


OF PERMIT PLANS Oct 96042023

QUANTITY JOB DESC. MHP 23030 Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Fri Jul 14 07:34:48 2023 Page 1 TRUSS DESC.

-1-3-8 0-0 , 1-3-8 3-7-12 7-1-0

Scale = 1:62.9



TOTAL WEIGHT = 80 lb

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			
J - B	2x4	DRY	No.2	SPF			
H - F	2x4	DRY	No.2	SPF			
J - H	2x4	DRY	No.2	SPF			
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF			
ALL GABLE	WEBS 2x3	DRY	No.2	SPF			
DRY: SEASONED LUMBER.							

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)

JI	TYPE	PLATES	vv	LEN	Y	X
В	TMV+p	MT20	2.0	4.0		
С	TMWW-t	MT20	4.0	4.0	2.00	1.50
D	TTW+p	MT20	3.0	5.0		
Е	TMWW-t	MT20	4.0	4.0	2.00	1.50
F	TMV+p	MT20	2.0	4.0		
Н	BMVW1-t	MT20	4.0	4.0		
1	BMWWW-t	MT20	3.0	6.0		
J	BMVW1-t	MT20	4.0	4.0		
K	NP+w	MT20	2.0	4.0	2.00	1.00
K, l	_, M, N, O, P,	Q, R, S, T				
K	NP+w	MT20	2.0	4.0		
R	NP+w	MT20	2.0	4.0	2.00	1.00

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

	FACTOR	RED	MAXIMUN	/ FACTO	INPUT	REQRD	
	GROSS RE	ACTION	GROSS F	REACTIO	BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
J	1229	0	1229	0	0	5-8	1-8
Н	1229	0	1229	0	0	5-8	1-8

UN	UNFACTORED REACTIONS										
	1ST LCASE	MAX./	MIN. COMPO	NENT REACTION	NS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL				
J	865	590 / 0	0/0	0/0	0/0	276 / 0	0/0				
H	865	590 / 0	0/0	0/0	0/0	276 / 0	0/0				

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

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)

CHC	RDS		WEBS						
MAX.	FACTORED	FACTORED	FACTORED			MAX. FACTORED			
MEMB.	FORCE	VERT. LOAD LC	1 MAX	MAX.	MEMB.	. FORCE	MAX		
	(LBS)	(PLF)	CSI (LC)	UNBRAC		(LBS)	CSI (LC)		
FR-TO		FROM TO		LENGTH	I FR-TO				
A- B	0 / 53	-119.4 -119.4	0.16 (1)	10.00	I- D	0 / 598	0.13 (1)		
B- C	0 / 31	-119.4 -119.4	0.24 (1)	10.00	I- E	-203 / 6	0.10 (1)		
C- D	-756 / 0	-119.4 -119.4	0.19 (1)	6.25	C-I	-203 / 6	0.10 (1)		
D- E	-756 / 0	-119.4 -119.4	0.19 (1)		J- C	-1077 / 0	0.53 (1)		
E-F	0 / 31	-119.4 -119.4	0.24 (1)	10.00	E- H	-1077 / 0	0.53 (1)		
F- G	0 / 53	-119.4 -119.4	0.16 (1)						
J- B	-326 / 0	0.0 0.0							
H-F	-326 / 0	0.0 0.0	0.03 (1)	7.81					
J- I	0 / 688	-23.2 -38.3	0.50 (4)	10.00					
I- H	0 / 688	-38.2 -23.2	0.50 (4)	10.00					

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: LL = DL =

DL = 6.0 LL = 0.0 DL = 7.3 PSF TOTAL LOAD = 48.1

SPACING = <u>24.0</u> IN. C/C

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 (0.47")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL)= L/360 (0.47") CALCULATED VERT. DÉFL.(TL) = L/ 999 (0.10")

CSI: TC=0.24/0.97 (B-C:1) , BC=0.50/0.97 (I-J:4) , WB=0.53/0.97 (C-J:1), SSI=0.19/1.00 (I-J:4)

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= 0.85 (I) (INPUT = 0.90) JSI METAL= 0.36 (C) (INPUT = 1.00)





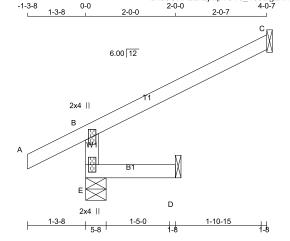
ENG-IM0723-091-KTT-GREENPARK-ZADORRA-ROSE 6 EL 1

JOB DESC. TRUSS DESC.

Fri Jul 14 07:34:49 2023 Page 1 Version 8.630 S Mar 22 2023 MiTek Industries, Inc ID:bcGHXsLhLjMpVeVc_4eeDgzAk?y-4cwtzmwqmUvkyGt8NKyM7uJWZP97ekrLJSmE9RyyE8a 4-0-7

Scale = 1:25.7

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

Х

<u> </u>	AIES (LADIE	is in inches			
JT	TYPE	PLATES	W	LEN	Υ
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
BEARINGS

	VIII TOO						
	FACTORED GROSS REACTION		MAXIMU	M FACTO	INPUT	REQRD	
			GROSS	REACTIC	BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
E	483	0	483	0	0	5-8	1-8
С	181	0	181	0	0	1-8	1-8
D	16	0	18	0	0	1-8	1-8

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

DINE	UNFACTORED REACTIONS										
	1ST LCASE	MAX./I	MAX./MIN. COMPONENT REACTIONS								
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND						
E	333	270 / 0	0/0	0/0	0/0						
С	124	105 / 0	0/0	0/0	0/0						
D	13	0/0	0/0	0/0	0/0						

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

QUANTITY

-1-3-8

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

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

LOADING TOTAL LOAD CASES: (4)

	R D S FACTORED	FACTORED			WE	B S 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	-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				



SPEC	IFIED	LOAI	DS:		
TOP	CH.	LL	=	34.8	PS
		DL	=	6.0	PS
BOT	CH.	LL	=	0.0	PS
		DL	=	7.3	PS
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

TOTAL WEIGHT = 2 X 10 = 20 lb

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

DEAD

63 / 0

13 / 0

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=0.33/0.97 (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)

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



