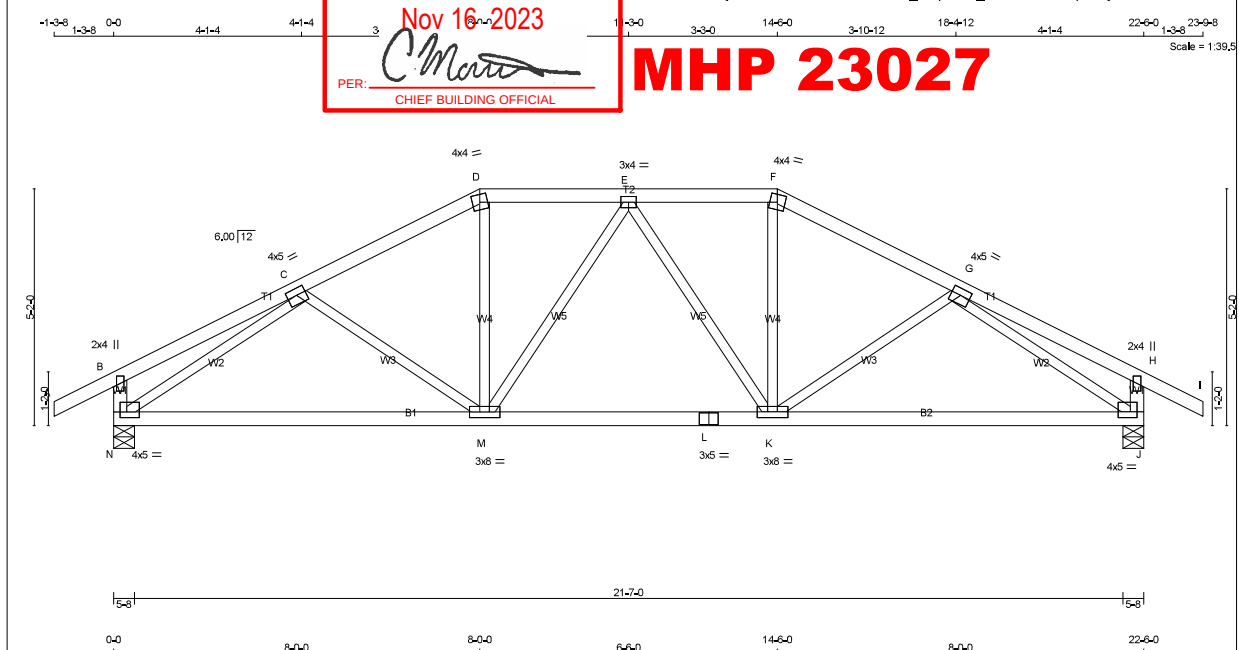




TOTAL WEIGHT = 90 lb [M]F

LUMBER				DESCR.	
N, L, G, A, RULES	CHORDS	SIZE	LUMBER	SPF	
A - D	2x4	DRY	No.2	SPF	
D - F	2x4	DRY	No.2	SPF	
F - I	2x4	DRY	No.2	SPF	
N - B	2x4	DRY	No.2	SPF	
J - H	2x4	DRY	No.2	SPF	
N - L	2x4	DRY	No.2	SPF	
L - J	2x4	DRY	No.2	SPF	
ALL WEBS	2x3	DRY	No.2	SPF	
EXCEPT					
DRY, SEASONED LUMBER.					

PLATES (table is in inches)				
JT	TYPE	PLATES	W	LEN Y X
B	TMV+p	MT20	2.0	4.0
C	TMWV4	MT20	4.0	5.0 1.75 2.50
D	TTW-m	MT20	4.0	4.0
E	TMWV4	MT20	4.0	4.0
F	TTW-m	MT20	4.0	4.0
G	TMWV4	MT20	4.0	5.0 1.75 2.50
H	TMV+p	MT20	2.0	4.0
J	BMWV4	MT20	4.0	5.0 1.50 1.75
K	BMWV4	MT20	3.0	8.0
L	BS4	MT20	3.0	5.0
M	BMWV4	MT20	3.0	8.0
N	BMWV4	MT20	4.0	5.0 1.50 1.75

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER									
BEARINGS									
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	BRG	REQRD
N	1711	0	1711	0	0	5-8	1-14		
J	1711	0	1711	0	0	5-8	1-14		
UNFACTORED REACTIONS									
JT	1ST CASE	MAX./MIN.	COMPONENT	REACTIONS					
N	1193	878 / 0	0 / 0	0 / 0	0 / 0	316 / 0	0 / 0		
J	1193	878 / 0	0 / 0	0 / 0	0 / 0	316 / 0	0 / 0		

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.66 FT.

MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	
FR-TO	FROM	TO	LENGTH	FR-TO	FROM	TO	
A-B	0 / 36	-119.4	-119.4	0.16 (1)	10.00	C-M	-199 / 16
B-C	0 / 23	-119.4	-119.4	0.28 (1)	10.00	M-D	0 / 489
C-D	-1875 / 0	-119.4	-119.4	0.28 (1)	4.66	M-E	-276 / 0
D-E	-1665 / 0	-119.4	-119.4	0.17 (1)	4.99	E-K	-276 / 0
E-F	-1665 / 0	-119.4	-119.4	0.17 (1)	4.99	K-F	0 / 489
F-G	-1875 / 0	-119.4	-119.4	0.26 (1)	4.66	K-G	-199 / 16
G-H	0 / 23	-119.4	-119.4	0.28 (1)	10.00	N-C	-2233 / 0
H-I	0 / 36	-119.4	-119.4	0.16 (1)	10.00	G-J	-2233 / 0
N-B	-351 / 0	0.0	0.0	0.04 (1)	7.81		
J-H	-351 / 0	0.0	0.0	0.04 (1)	7.81		
N-M	0 / 1818	-18.2	-18.2	0.44 (1)	10.00		
M-L	0 / 1815	-18.2	-18.2	0.41 (1)	10.00		
L-K	0 / 1815	-18.2	-18.2	0.41 (1)	10.00		
K-J	0 / 1815	-18.2	-18.2	0.44 (1)	10.00		

DESIGN CRITERIA	
SPECIFIED LOADS:	
TOP CH. LL	= 34.8 PSF
DL	= 6.0 PSF
BOT CH. LL	= 0.0 PSF
DL	= 7.3 PSF
TOTAL LOAD	= 48.1 PSF
SPACING = 24.0 IN. GIG	
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, NBC2015

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 (0.75")

CALCULATED VERT. DEFL.(LL) = L/999 (0.08")

ALLOWABLE DEFL.(TL)= L/360 (0.75")

CALCULATED VERT. DEFL.(TL) = L/999 (0.19")

CSI: TC=0.28/1.00 (G-H-1), BC=0.44/1.00 (M-N-1), WB=0.88/1.00 (C-N-1), SS=0.20/1.00 (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 (PSI)	SECTION (PLI)	
MAX MIN	MAX MIN	MAX MIN	
650 371	1747 788	1987 1873	
MT20			
PLATE PLACEMENT TOL. = 0.250 inches			
PLATE ROTATION TOL. = 5.0 Deg.			
JSI GRIP= 0.90 (G) (INPUT = 0.90)			
JSI METAL= 0.58 (L) (INPUT = 1.00)			

MODULUS ENGINEERING LTD.

REVIEW FOR TRUSS COMPONENT ONLY

NOTE: ALTERING THIS DOCUMENT VOIDS THE ENGINEER'S SEAL



<u>DESIGN CRITERIA</u>	
SPECIFIED LOADS:	
TOP CH.	LL = 34.8 PSF
	DL = 6.0 PSF
BOT CH.	LL = 0.0 PSF
	DL = 7.3 PSF
TOTAL LOAD =	48.1 PSF
<u>SPACING = 24.0 IN./C</u>	
LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 2.00/12 MINIMUM	
GIRDER TYPE: C-Profile	

CORNER FRAMING TYPE: CONVENTIONAL
END JACK TYPE: CONVENTIONAL
APPLIED TO FRONT SIDE
+ADDTL LOADS BASED ON 55 % OF GSL.
LOADS APPLIED TO FIRST 3-6 OF SPAN
MEASURED FROM THE RIGHT.

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

THIS DESIGN COMPLIES WITH:
- PART 9 OF CBCB 2018, NBC-2019AE
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 085-14
- TPC 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 DEF_L(LL) = $L/360$ (0.75")
CALCULATED VERT. DEF_L(LL) = $L/999$ (0.09")
ALLOWABLE DEF_L(TL) = $L/360$ (0.75")
CALCULATED VERT. DEF_L(TL) = $L/707$ (0.38")

CSL TC=0.891/10 (C-D-1), BC=0.681/10 (K-M-4).

CONNECTION REQUIREMENTS

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

WB=0.78/1.00 (C-N:1), SSI=0.35/1.00 (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

AUTOSOLVE HEELS OFF

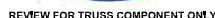
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0,89 (F) (INPUT = 0,90)
JSI METAL= 0,73 (L) (INPUT = 1,00)



NOTE: ALTERING THIS DOCUMENT
VOIDS THE ENGINEERS SEAL

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED IN MODULUS ENGINEERING LTD. NOTES ME-TCDD1 (VER 06/2017) BEFORE USE.

Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for individual building components. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult

TPI Appendix G - Minimum quality Manufacturing Criteria available from www.tpic.ca and **BCSI-CANADA (Building Component Safety Information)** available from TPI, 781 N. Lee Street, Suite 312, Alexandria, VA 22314 or www.bcsiusa.com.



JOB NAME

T-RIVER 11-3

Kott, Uxbridge, ON

TRUSS NAME

T05

CORPORATION OF THE CITY OF OSHAWA TRUSS DES.

QUANTITY

1

TRUE COPY

OF PERMIT PLANS

Nov 16 2023

PER:

CHIEF BUILDING OFFICIAL

JOB DESC.

ZADORRA ESTATES INC

DRWG NO.

ME23-5781-23

Version 8,630 S Mar 22 2023 Mitek Industries, Inc. Wed Jul 5 11:52:34 2023 Page 1
ID:QRDXuUHhXJBjX8m6PaWhmZzKxFR-8bCW0h7Tfb3KQlda9TvceVWU_z9S8dh?keoEv1Rz78Ck

-1-3-80-04-404-404-4010-9-06-5-017-3-04-4021-6-0Scale = 1:36,0

MHP 23027

Detailed Truss Diagram showing joints A through K, members B1 through W5, and various dimensions like 6'-00"/12' and 2'-00". Includes labels for materials like 2x4 II and 4x5 =.

TOTAL WEIGHT = 80 lb

LUMBERN, L. G. A. RULES CHORDS SIZELUMBERDESC.SPFA + D 2x4 DRY No.2 SPF A - F 2x4 DRY No.2 SPF J - B 2x4 DRY No.2 SPF G - F 2x4 DRY No.2 SPF H - G 2x4 DRY No.2 SPF I - G 2x4 DRY No.2 SPFLUMBER 2100F 1,8E 2100F 1,8E 2100F 1,8E ALL WEBS EXCEPT 2x3 DRY No.2 SPFDry: Seasoned Lumber.

PLATES (Table is in inches)JT TYPE PLATES W LEN Y XJ T TMV+p MT20 2,0 4,0B C TMV+WT MT20 4,0 5,0 1,75 2,25D TTW+p MT20 3,0 4,0 2,25 1,50E TMV+WT MT20 4,0 5,0 1,75 2,25F TMV+p MT20 2,0 4,0G BMV+W1-I MT20 4,0 5,0 1,75 1,75H BS-4 MT20 3,0 5,0I BMV+W1-I MT20 4,0 6,0J BMV+W1-I MT20 4,0 5,0 1,75 1,75

FACTORED CONCENTRATED LOADS (LBS)

JOINT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
JT	20-1-12	-109	-109	--	FRONT	VERT	TOTAL	--	C1

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	PSF
	DL	=	6,0
BOT CH. <td>LL</td> <td>=</td> <td>0,0</td>	LL	=	0,0
	DL	=	7,3
TOTAL LOAD	=		48,1 PSF

SPACING = 240 IN.C/C

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

THIS DESIGN COMPLEES WITH:

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

(5% 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 (0,72")CALCULATED VERT. DEF.(LL) = L/999 (0,12")ALLOWABLE DEFL.(TL)= L/360 (0,72")CALCULATED VERT. DEF.(TL) = L/673 (0,38")CSI TC=0,64/1,00 (D-E-1), BC=0,46/1,00 (I-J-4),WB=0,99/1,00 (C-I-1), SS=0,32/1,00 (C-D-1).DOL LUMBER=1,00 NAIL=1,00 LS BEND=1,10 COMP=1,10 SHEAR=1,10 TENS=1,10COMPANION LIVE LOAD FACTOR = 1,00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0,250 inches

PLATE ROTATION TOL. = 5,0 Deg.
JSI GRIP= 0,89 (G) (INPUT = 0,90)
JSI METAL= 0,69 (H) (INPUT = 1,00)

MODULUS ENGINEERING LTD.,

PROFESSIONAL ENGINEER

07/05/2023

D. A. SHERMAN

100123373

PROVINCE OF ONTARIO

REVIEW FOR TRUSS COMPONENT ONLY

NOTE: ALTERING THIS DOCUMENT VOIDS THE ENGINEERS SEAL

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED IN MODULUS ENGINEERING LTD. NOTES ME-TCD01 (VER 06/2017) BEFORE USE.

This design is based only upon parameters shown, and is for individual building components. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult

TPIC Appendix G - Minimum Quality Manufacturing Criteria available from www.tpica.ca and BCSC-CANADA (Building Component Safety Information) available from TPI, 781 N. Lee Street, Suite 312, Alexandria, VA 22314 or www.sbindustry.com

KOTT



JSI METAL= 0.49 (J) (INPUT = 1.00)



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED IN MODULUS ENGINEERING LTD. NOTES ME-TC001 (VER 06/2017) BEFORE USE.
 Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for individual building components. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not trust designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult
TPIC Appendix G - Minimum quality Manufacturing Criteria available from www.tpica.ca and **BCSI-CANADA (Building Component Safety Information)** available from TPI, 781 N. Lee Street, Suite 312, Alexandria, VA 22314 or www.bcsindustry.com