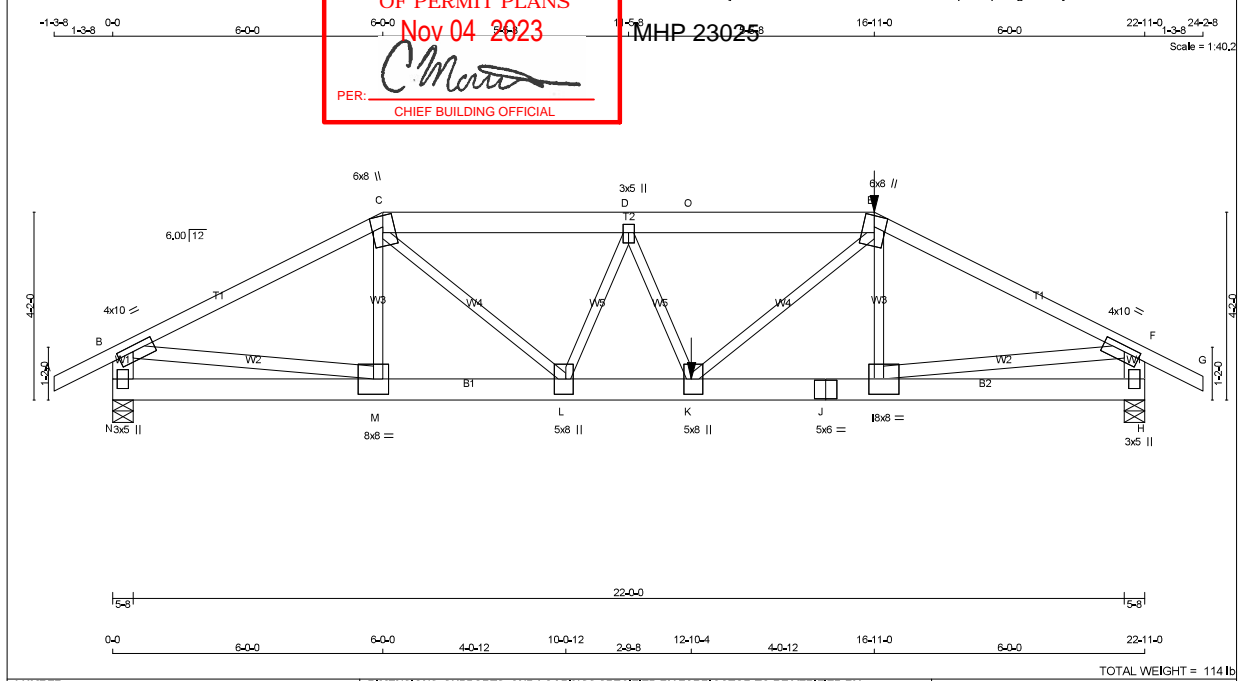


[illegible]



LUMBER					DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER										[M]						
N, L, G, A, RULES					CHORDS					BEARINGS					DESIGN CRITERIA						
		SIZE		LUMBER	DESCR.				FACTORED		MAXIMUM FACTORED		INPUT		REQRD		*** SPECIAL LOADS ANALYSIS ***				
									GROSS REACTION		GROSS REACTION		BRG		BRG		GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.				
						JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	LOADS WERE DERIVED FROM USER INPUT							
A - C		2x4	DRY	2100F 1.8E	SPF	N	2716	0	2716	0	0	5-8	3-5	NO FURTHER MODIFICATIONS WERE MADE							
C - E		2x6	DRY	No.2	SPF	H	3372	0	3372	0	0	5-8	5-7								
E - G		2x4	DRY	2100F 1.8E	SPF																
N - B		2x6	DRY	No.2	SPF																
H - F		2x6	DRY	No.2	SPF																
N - J		2x6	DRY	No.2	SPF																
J - H		2x6	DRY	No.2	SPF																
UNFACTORED REACTIONS																					
1ST LOADING						MAX./MIN. COMPONENT REACTIONS															
ALL WEBS EXCEPT		2x3	DRY	No.2	SPF	JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	TOP CH. LL = 34.8 PSF							
B - M		2x4	DRY	No.2	SPF	N	1895	1390 / 0	0 / 0	0 / 0	0 / 0	504 / 0	0 / 0	BOT CH. LL = 6.0 PSF							
I - F		2x4	DRY	No.2	SPF	H	2357	1706 / 0	0 / 0	0 / 0	0 / 0	651 / 0	0 / 0	DL = 7.3 PSF							
														TOTAL LOAD = 48.1 PSF							
DRY: SEASONED LUMBER.						BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) N, H										SPACING = 240 IN. C/C					

UNFACTORED REACTIONS

JT	1ST CASE	MAX./MIN.	COMPONENT REACTIONS
N	1895	1390 / 0	0 / 0
H	2357	1706 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.98 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.	FORCE (LBS)	VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	FORCE (LBS)	MAX. CSI (LC)	
FR-TO	FROM	TO	LENGTH	FR-TO	FROM	TO	LENGTH
A-B	0 / 36	-119.4	-119.4, 0.11 (1)	10.00	M-C	-343 / 2	0.09 (1)
B-C	-3822 / 0	-119.4	-119.4, 0.79 (1)	3.56	C-L	0 / 2164	0.54 (1)
C-D	-5028 / 0	-119.4	-119.4, 0.51 (1)	3.39	L-D	-1478 / 0	0.40 (1)
D-O	-5676 / 0	-119.4	-119.4, 0.65 (1)	2.98	D-K	0 / 363	0.09 (1)
O-E	-5676 / 0	-225.2	-225.2, 0.65 (1)	2.98	K-E	0 / 1713	0.42 (1)
E-F	-4915 / 0	-119.4	-119.4, 0.92 (1)	3.09	I-E	-355 / 87	0.09 (1)
F-G	0 / 36	-119.4	-119.4, 0.11 (1)	10.00	B-M	0 / 3455	0.81 (1)
N-B	-2684 / 0	0.0	0.0, 0.19 (1)	6.34	I-F	0 / 4444	0.79 (1)
H-F	-3278 / 0	0.0	0.0, 0.23 (1)	5.81			
N-M	0 / 0	-18.2	-18.2, 0.07 (4)	10.00			
M-L	0 / 3435	-18.2	-18.2, 0.49 (1)	10.00			
L-K	0 / 5548	-18.2	-18.2, 0.82 (1)	10.00			
K-J	0 / 4416	-34.4	-34.4, 0.68 (1)	10.00			
J-I	0 / 4416	-34.4	-34.4, 0.68 (1)	10.00			
I-H	0 / 0	-34.4	-34.4, 0.13 (4)	10.00			

FACTORED CONCENTRATED LOADS (LBS)				CONNECTION REQUIREMENTS			
JT	LOC.	LC1	MAX+ MAX-	FACE	DIR.	TYPE	HEEL
E	16-11-0	-537	-537	FRONT	VERT	TOTAL	C1
K	12-10-4	-1480	-1480	FRONT	VERT	TOTAL	C1

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

MODULUS ENGINEERING LTD.

07/04/2023

P. R. HEAL

PROVINCE OF ONTARIO

REVIEW FOR TRUSS COMPONENT ONLY

NOTE: ALTERING THIS DOCUMENT VOIDS THE ENGINEER'S SEAL

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 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 BCSI-CANADA (Building Component Safety Information) available from TPI, 781 N. Lee Street, Suite 312, Alexandria, VA 22314 or www.sbindustry.com

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.76")

CALCULATED VERT. DEFL.(LL) = L/999 (0.16")

ALLOWABLE DEFL.(TL) = L/360 (0.76")

CALCULATED VERT. DEFL.(TL) = L/999 (0.27")

CSI: TC=0.92/1.00 (E-F:1), BC=0.82/1.00 (K-L:1), WB=0.79/1.00 (F-1:1), SSI=0.38/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

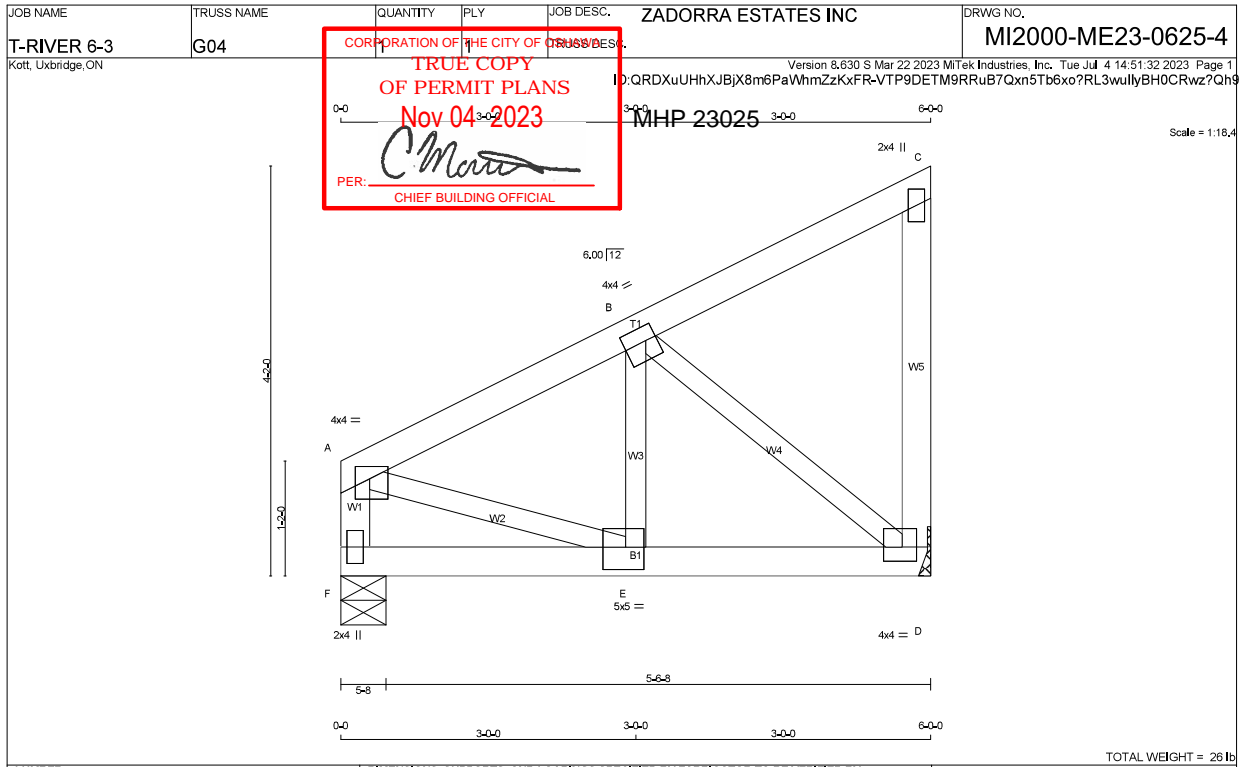
PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PU)	
MAX	MIN	MAX	MIN
650	371	1747	788

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

JSI METAL= 0.81 (J) (INPUT = 1.00)



LUMBER

N. L. G. A. RULES

CHORDS SIZE

F - A2x4

DRY

No.2

A - C2x4

DRY

No.2

D - C2x4

DRY

No.2

F - D2x4

DRY

No.2

ALL WEBS2x3

DRY

No.2

DRY: SEASONED LUMBER.

DESCR.

SPF

SPF

SPF

SPF

SPF

SPF

PLATES (table is in inches)

JT TYPE PLATES W LEN Y X

A TMVW+p MT20 4.0 4.0 1.50 1.75

B TMVW+4 MT20 4.0 4.0 1.75 1.25

C TMV+p MT20 2.0 4.0 1.75 1.75

D BMVW+1-4 MT20 4.0 4.0 1.75 1.75

E BMVW+1 MT20 5.0 5.0 2.75 2.25

F BMV+1-p MT20 2.0 4.0 1.75 1.75

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

BEARINGS

FACTORED GROSS REACTION

MAXIMUM FACTORED GROSS REACTION

INPUT BRG

REQRD BRG

JT VERT

HORZ

DOWN

HORZ

UPLIFT

IN-SX

IN-SX

F 1480

0

1480

0

0

5-8

1-10

D 1480

0

1480

0

0

MECHANICAL

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D, MINIMUM BEARING LENGTH AT JOINT D = 1-10.

UNFACTORED REACTIONS

1ST LCASE

MAX./MIN.

COMPONENT REACTIONS

JT COMBINED

SNOW

LIVE

PERM.LIVE

WIND

DEAD

SOIL

F 1034

748 / 0

0 / 0

0 / 0

0 / 0

286 / 0

0 / 0

D 1034

748 / 0

0 / 0

0 / 0

0 / 0

286 / 0

0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.48 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

MAX. FACTORED

FACTORED

WEBS

MEMB.

FORCE

VERT. LOAD LC1

MAX

MAX.

MEMB.

MAX.

FACTORED

MAX

(LBS)

(PLF)

CSI (LC)

UNBRAC

(LBS)

FORCE

CSI (LC)

FR-TO

FROM

TO

LENGTH

FR-TO

F-A

-1045 / 0

0.0

0.0

0.12 (1)

7.66

A-E

0 / 1193

0.30 (1)

A-B

-1266 / 0

-119.4

-119.4

0.19 (1)

5.48

E-B

0 / 1046

0.26 (1)

B-C

-16 / 0

-119.4

-119.4

0.16 (1)

6.25

B-D

-1459 / 0

0.37 (1)

D-C

-144 / 0

0.0

0.0

0.04 (1)

7.81

F-E

0 / 0

-373.9

-373.9

0.57 (1)

10.00

E-D

0 / 1147

-373.9

-373.9

0.77 (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. G/C

GIRDER TYPE: CStdGirder

START DISTANCE = 0-0

START SPAN CARRIED = 12-9-8

END DISTANCE = 6-0-0

END SPAN CARRIED = 12-9-8

END WALL WIDTH = 5-8

APPLIED TO FRONT SIDE OF BOTTOM CHORD.

- ADDTL LOADS BASED ON 55 % OF GSL.

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC 2018, NBC-2019AE

- PART 9 OF OBC 2012 (2019 AMENDMENT)

- CSA 086-14

- TPIC 2014

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

ALLOWABLE DEFL.(LL)= L/360 (0.20")

CALCULATED VERT. DEFL.(LL) = L/ 999 (0.03")

ALLOWABLE DEFL.(TL)= L/360 (0.20")

CALCULATED VERT. DEFL.(TL) = L/ 999 (0.05")

CSI: TC=0.19/1.00 (A-B:1), BC=0.77/1.00 (D-E:1), WB=0.37/1.00 (B-D:1), SSI=0.59/1.00 (E-F:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

MAX MIN MAX MIN MAX MIN

MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

JSI METAL= 0.39 (D) (INPUT = 1.00)

MODULUS ENGINEERING LTD.

07/04/2023

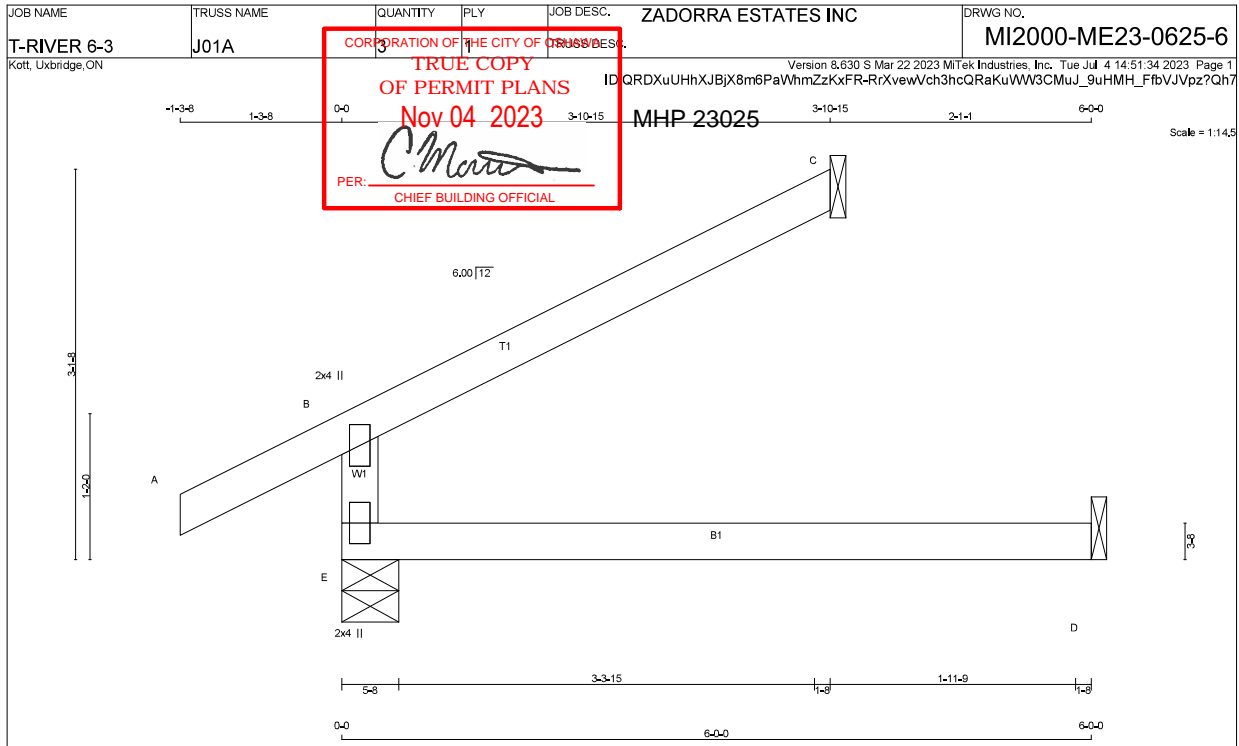
P. R. HEAL

PROVINCE OF ONTARIO

REVIEW FOR TRUSS COMPONENT ONLY

NOTE: ALTERING THIS DOCUMENT VOIDS THE ENGINEERS SEAL

JOB NAME T-RIVER 6-3	TRUSS NAME J01	QUANTITY 9	PLY 1	JOB DESC. ZADORRA ESTATES INC	DRWG NO. MI2000-ME23-0625-5																																																																																																																				
Kott, Uxbridge, ON		Version 8.630 S Mar 22 2023 Mitek Industries, Inc. Tue Jul 4 14:51:33 2023 Page 1																																																																																																																							
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<div>CORPORATION OF THE CITY OF MISSISSAUGA TRUE COPY OF PERMIT PLANS Nov 04 2023 PER: <i>[Signature]</i> CHIEF BUILDING OFFICIAL</div>																																																																																																																									
<div>MHP-23025</div> <div>Scale = 1:18,4</div> <div></div>																																																																																																																									
TOTAL WEIGHT = 9 X 17 = 154 Lbs																																																																																																																									
LUMBER N. L. G. A. RULES CHORDS SIZE E - B 2x4 DRY No.2 A - C 2x4 DRY No.2 E - D 2x4 DRY No.2 LUMBER DESCR. SPF SPF SPF DRY: SEASONED LUMBER.		DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER BEARINGS <table><thead><tr><th>JT</th><th>FACTORED GROSS REACTION VERT</th><th>HORIZ</th><th>MAXIMUM FACTORED GROSS REACTION DOWN</th><th>HORIZ</th><th>INPUT BRG IN-SX</th><th>REQRD BRG IN-SX</th></tr></thead><tbody><tr><td>E</td><td>674</td><td>0</td><td>674</td><td>0</td><td>5-8</td><td>1-8</td></tr><tr><td>C</td><td>269</td><td>0</td><td>269</td><td>0</td><td>1-8</td><td>1-8</td></tr><tr><td>D</td><td>45</td><td>0</td><td>51</td><td>0</td><td>1-8</td><td>1-8</td></tr></tbody></table> SEE MITEK STANDARD DETAIL MSD2015-H FOR CONNECTION TO JOINT(S) C , D UNFACTORED REACTIONS <table><thead><tr><th>JT</th><th>COMBINED</th><th>SNOW</th><th>LIVE</th><th>PERM.LIVE</th><th>WIND</th><th>DEAD</th><th>SOIL</th></tr></thead><tbody><tr><td>E</td><td>468</td><td>355 / 0</td><td>0 / 0</td><td>0 / 0</td><td>0 / 0</td><td>113 / 0</td><td>0 / 0</td></tr><tr><td>C</td><td>184</td><td>157 / 0</td><td>0 / 0</td><td>0 / 0</td><td>0 / 0</td><td>27 / 0</td><td>0 / 0</td></tr><tr><td>D</td><td>36</td><td>0 / 0</td><td>0 / 0</td><td>0 / 0</td><td>0 / 0</td><td>36 / 0</td><td>0 / 0</td></tr></tbody></table> BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) E BRACING TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6,25 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10,00 FT OR RIGID CEILING DIRECTLY APPLIED, ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED. LOADING TOTAL LOAD CASES: (4) <table><thead><tr><th colspan="4">CHORDS</th><th colspan="4">WEBS</th></tr><tr><th>MEMB.</th><th>MAX. FACTORED FORCE (LBS)</th><th>FACTORED VERT. LOAD LC1 (PLF)</th><th>MAX CSI (LC)</th><th>MEMB.</th><th>MAX. FACTORED FORCE (LBS)</th><th>MAX CSI (LC)</th><th></th></tr></thead><tbody><tr><td>FR-TO</td><td></td><td>FROM</td><td>TO</td><td>LENGTH</td><td>FR-TO</td><td></td><td></td></tr><tr><td>E-B</td><td>-610 / 0</td><td>0,0</td><td>0,0</td><td>0,13 (4)</td><td>7,81</td><td></td><td></td></tr><tr><td>A-B</td><td>0 / 96</td><td>-119,4</td><td>-119,4</td><td>0,16 (1)</td><td>10,00</td><td></td><td></td></tr><tr><td>B-C</td><td>-40 / 0</td><td>-119,4</td><td>-119,4</td><td>0,73 (1)</td><td>6,25</td><td></td><td></td></tr><tr><td>E-D</td><td>0 / 0</td><td>-18,2</td><td>-18,2</td><td>0,13 (4)</td><td>10,00</td><td></td><td></td></tr></tbody></table>				JT	FACTORED GROSS REACTION VERT	HORIZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORIZ	INPUT BRG IN-SX	REQRD BRG IN-SX	E	674	0	674	0	5-8	1-8	C	269	0	269	0	1-8	1-8	D	45	0	51	0	1-8	1-8	JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL	E	468	355 / 0	0 / 0	0 / 0	0 / 0	113 / 0	0 / 0	C	184	157 / 0	0 / 0	0 / 0	0 / 0	27 / 0	0 / 0	D	36	0 / 0	0 / 0	0 / 0	0 / 0	36 / 0	0 / 0	CHORDS				WEBS				MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)		FR-TO		FROM	TO	LENGTH	FR-TO			E-B	-610 / 0	0,0	0,0	0,13 (4)	7,81			A-B	0 / 96	-119,4	-119,4	0,16 (1)	10,00			B-C	-40 / 0	-119,4	-119,4	0,73 (1)	6,25			E-D	0 / 0	-18,2	-18,2	0,13 (4)	10,00		
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PLATES (table is in inches) JT TYPE PLATES W LEN Y X B TMV+p MT20 2,0 4,0 E BMV1+p MT20 2,0 4,0		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 = 240 IN.C/C THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC2015 THIS DESIGN COMPLIES WITH: - PART 9 OF CBC2018 , NBC-2019AE - PART 9 OF OBC 2012 (2019 AMENDMENT) - CSA 086-14 - TPC 2014 DESIGN ASSUMPTIONS -OVERHANG NOT TO BE ALTERED OR CUT OFF. (55 % OF 48,1 P.S.F. G.S.L. PLUS 8,4 P.S.F. RAIN LOAD) EQUALS 34,8 P.S.F. SPECIFIED ROOF LIVE LOAD ALLOWABLE DEFL.(LL)= L/360 (0,20") CALCULATED VERT. DEFL.(LL) = L/ 999 (0,00") ALLOWABLE DEFL.(TL)= L/360 (0,20") CALCULATED VERT. DEFL.(TL) = L/ 989 (0,03") CSI TC=0,73/1,00 (B-C:1), BC=0,13/1,00 (D-E:4), WB=0,00/1,00 (n/a:0), SSH=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 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)																																																																																																																							
<div>MODULUS ENGINEERING LTD.</div> <div>07/04/2023</div> <div>P. R. HEAL</div> <div>PROVINCE OF ONTARIO</div> <div>REVIEW FOR TRUSS COMPONENT ONLY</div> <div>NOTE: ALTERING THIS DOCUMENT VOIDS THE ENGINEERS SEAL</div>																																																																																																																									
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LUMBER N. L. G. A. RULES CHORDS SIZE LUMBER E - B 2x4 DRY No.2 A - C 2x4 DRY No.2 E - D 2x4 DRY No.2 DRY: SEASONED LUMBER.		DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER BEARINGS <table><tr><th></th><th>FACTORED GROSS REACTION</th><th>MAXIMUM FACTORED GROSS REACTION</th><th>INPUT BRG</th><th>REQD BRG</th></tr><tr><td>JT</td><td>VERT</td><td>HORZ</td><td>DOWN</td><td>HORZ</td><td>UPLIFT</td><td>IN-SX</td><td>IN-SX</td></tr><tr><td>E</td><td>518</td><td>0</td><td>518</td><td>0</td><td>0</td><td>5-8</td><td>1-8</td></tr><tr><td>C</td><td>175</td><td>0</td><td>175</td><td>0</td><td>0</td><td>1-8</td><td>1-8</td></tr><tr><td>D</td><td>45</td><td>0</td><td>51</td><td>0</td><td>0</td><td>1-8</td><td>1-8</td></tr></table>			FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG	JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX	E	518	0	518	0	0	5-8	1-8	C	175	0	175	0	0	1-8	1-8	D	45	0	51	0	0	1-8	1-8	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. G/C THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC 2015 THIS DESIGN COMPLIES WITH: - PART 9 OF BCBC 2018, NBC-2019AE - PART 9 OF OBC 2012 (2019 AMENDMENT) - CSA 086-14 - TPIC 2014 DESIGN ASSUMPTIONS - OVERHANG NOT TO BE ALTERED OR CUT OFF. (55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD ALLOWABLE DEFL.(LL)= L/360 (0.20") 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=0.31/1.00 (B-C-1) , BC=0.13/1.00 (D-E-4) , WB=0.00/1.00 (n/a.0) , SSI=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 SECTION (PSI) (PLI) (PLI) MAX MIN MAX MIN MAX MIN MT20 650 371 1747 788 1987 1873 PLATE PLACEMENT TOL. = 0.250 inches PLATE ROTATION TOL. = 5.0 Deg. JSI GRIP= 0.25 (B) (INPUT = 0.90) JSI METAL= 0.19 (B) (INPUT = 1.00)															
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D	36	0 / 0	0 / 0	0 / 0	0 / 0	36 / 0	0 / 0																																																	
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MODULUS ENGINEERING LTD.

07/04/2023

LICENSED PROFESSIONAL ENGINEER

P. R. HEAL

PROVINCE OF ONTARIO

REVIEW FOR TRUSS COMPONENT ONLY

NOTE: ALTERING THIS DOCUMENT
VOIDS THE ENGINEERS SEAL

JOB NAME

T-RIVER 6-3

TRUSS NAME

J01B

CORPORATION OF THE CITY OF MISSISSAUGA

TRUE COPY
OF PERMIT PLANS
Nov 04 2023

PER: _____
CHIEF BUILDING OFFICIAL

QUANTITY

PLY

JOB DESC.

ZADORRA ESTATES INC

DRWG NO.

MI2000-ME23-0625-7

Kott, Uxbridge, ON

ID QRDXuUHHXJBjX8m6PaWhmZzKXFR-v25lrGVESMqS2b9WSD1IKZQW9YEW5kPuFFs2Fz?Qh6

Version 8,630 S Mar 22 2023 Mitek Industries, Inc. Tue Jul 4 14:51:35 2023 Page 1

-1'-3-8

1'-3-8

0'-0

1'-10-15

MHP 23025

4'-1-1

6'-0-0

Scale = 1:13,6

A

B

E

2x4 II

2x4 II

2x4 II

6'-00 | 12'

5'-8

1'-3-15

1'-8

3'-11-9

1'-8

6'-0-0

T1

W1

F

G

D

2'-4-8

1'-2-0

TOTAL WEIGHT = 3 X 12 = 36 lb

(M)

LUMBER

N, L, G, A, RULES

CHORDS SIZE

E - B 2x4 DRY No.2

A - C 2x4 DRY No.2

E - D 2x4 DRY No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE PLATES W LEN Y X

B TMV+p MT20 2.0 4.0

E BMV1+p MT20 2.0 4.0

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

BEARINGS

JT DESCR. FACTORED GROSS REACTION MAXIMUM FACTORED GROSS REACTION INPUT BRG REQ'D BRG

JT VERT HORZ DOWN HORZ UPLIFT IN-SX IN-SX

E 368 0 368 0 0 5-8 1-8

C 86 0 86 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

UNFACTORED REACTIONS

JT 1ST LOASE MAX./MIN. COMPONENT REACTIONS

JT COMBINED SNOW LIVE PERM.LIVE WIND DEAD SOIL

E 259 177 / 0 0 / 0 0 / 0 82 / 0 0 / 0

C 59 50 / 0 0 / 0 0 / 0 9 / 0 0 / 0

D 36 0 / 0 0 / 0 0 / 0 36 / 0 0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6,25 FT.

MAX. UNBRACED BOTTOM CHORD LENGTH = 10,00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS WEBS

MEMB. MAX. FACTORED FORCE (LBS) FACTORED VERT. LOAD LC1 MAX. MEMB. MAX. FACTORED FORCE (LBS)

FR-TO FROM TO LENGTH FR-TO

E-B -304 / 0 0,0 0,0 0,13 (4) 7,81

A-B 0 / 96 -119,4 -119,4 0,16 (1) 10,00

B-C -12 / 0 -119,4 -119,4 0,07 (1) 6,25

E-F 0 / 0 -18,2 -18,2 0,13 (4) 10,00

F-G 0 / 0 -18,2 -18,2 0,13 (4) 10,00

G-D 0 / 0 -18,2 -18,2 0,13 (4) 10,00

FACTORED CONCENTRATED LOADS (LBS)

JT LOC. LC1 MAX+ FACE DIR. TYPE HEEL CONN.

F 2-0-12 1 1 FRONT VERT TOTAL C1

G 4-0-12 1 1 FRONT VERT TOTAL C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 34,8 PSF

DL = 6,0 PSF

BOT CH. LL = 0,0 PSF

DL = 7,3 PSF

TOTAL LOAD = 48,1 PSF

SPACING = 240 IN. CG

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC08 2015

THIS DESIGN COMPLIES WITH:

PART 9 OF CBC08 2018 , NBC-2019AE

PART 9 OF OBC 2012 (2019 AMENDMENT)

CSA 086-14

TPIC 2014

DESIGN ASSUMPTIONS

OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 48,1 P.S.F. G.S.L. PLUS 8,4 P.S.F. RAIN LOAD) EQUALS 34,8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0,20")

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=0,16/1,00 (A-B 1) , BC=0,13/1,00 (D-E 4) , WB=0,00/1,00 (n/a 0) ; SS=0,11/1,00 (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

MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0,250 inches

PLATE ROTATION TOL. = 5,0 Deg.

JSI GRIP= 0,17 (B) (INPUT = 0,90)

JSI METAL= 0,13 (B) (INPUT = 1,00)

MODULUS ENGINEERING LTD.

07/04/2023

P. R. HEAL

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-TC001 (VER 06/2017) BEFORE USE.

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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.sbcindustry.com

KOTT



T-RIVER 6-3

Kott, Uxbridge, ON

TRUSS NAME

J01C

CORPORATION OF THE CITY OF MISSISSAUGA
TRUE COPY
OF PERMIT PLANS
Nov 04 2023
PER: [Signature]
CHIEF BUILDING OFFICIAL

JOB DESC.

ZADORRA ESTATES INC.

DRWG NO.

M12000-ME23-0625-8

Version 8.630 S Mar 22 2023 Mitek Industries, Inc. Tue Jul 4 14:51:37 2023 Page 1

D:\QRDXuUHhXJB\X8m6PaVhmZzKxFR-QC2GxXV_4AHUJvae3mp_VqDMxqZekhlYkz68z?Qh4

-1-3-8

1-3-8

2-0-0

2-0-0

1-10-15

3-10-15

Scale = 1:14.7

6.00' T₂

2x4 II

B

A

E

W1

B1

D

2x4 II

1-5-8

1-5-0

1-8

1-9-7

1-8

0-0

2-0-0

2-0-0

TOTAL WEIGHT = 5 X 10 = 49 lb

LUMBER

N. L. G. A. RULES

CHORDS SIZE

LUMBER

DESCR.

SPF

SPF

SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE

PLATES

W

LEN

Y

X

B TMV+p MT20 2.0 4.0

E BMV1+p MT20 2.0 4.0

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

BEARINGS

FACTORED GROSS REACTION

MAXIMUM FACTORED GROSS REACTION

INPUT BRG

REQRD BRG

JT VERT HORZ DOWN HORZ UPLIFT IN-SX IN-SX

E 474 0 474 0 0 5-8 1-8

C 175 0 175 0 0 1-8 1-8

D 16 0 16 0 0 1-8 1-8

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

UNFACTORED REACTIONS

1ST LCASE MAX./MIN. COMPONENT REACTIONS

JT COMBINED SNOW LIVE PERM.LIVE WIND DEAD SOIL

E 326 265 / 0 0 / 0 0 / 0 62 / 0 0 / 0

C 120 102 / 0 0 / 0 0 / 0 18 / 0 0 / 0

D 13 0 / 0 0 / 0 0 / 0 13 / 0 0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.

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

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS

MEMB.

MAX. FACTORED FORCE (LBS)

VERT. LOAD

LC1

MAX. MEMB. FORCE (LBS)

MAX. UNBRACED LENGTH FR-TO

WEBS

MEMB.

MAX. FACTORED FORCE (LBS)

MAX. UNBRACED LENGTH FR-TO

FR-TO

E-B -454 / 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 -26 / 0 -119.4 -119.4 0.31 (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:

TOP CH. LL = 34.8 PSF

DL = 6.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.3 PSF

TOTAL LOAD = 48.1 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF CBC2018 , NBC-2019AE

- PART 9 OF OBC 2012 (2019 AMENDMENT)

- CSA 688-14

- TPIC 2014

DESIGN ASSUMPTIONS

- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL.(LL)= L/360 (0.19")

CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")

ALLOWABLE DEFL.(TL)= L/360 (0.19")

CALCULATED VERT. DEFL.(TL) = L/ 999 (0.00")

CSI TC=0.31/1.00 (B-C:1) , BC=0.02/1.00 (D-E:4) , WB=0.00/1.00 (n/a:0) , SSL=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 SECTION

(PSI) (PLI) (PLI)

MAX MIN MAX MIN MAX MIN

MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.25 (B) (INPUT = 0.90)

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

MODULUS ENGINEERING LTD.

07/04/2023

P. R. HEAL

PROVINCE OF ONTARIO

REVIEW FOR TRUSS COMPONENT ONLY

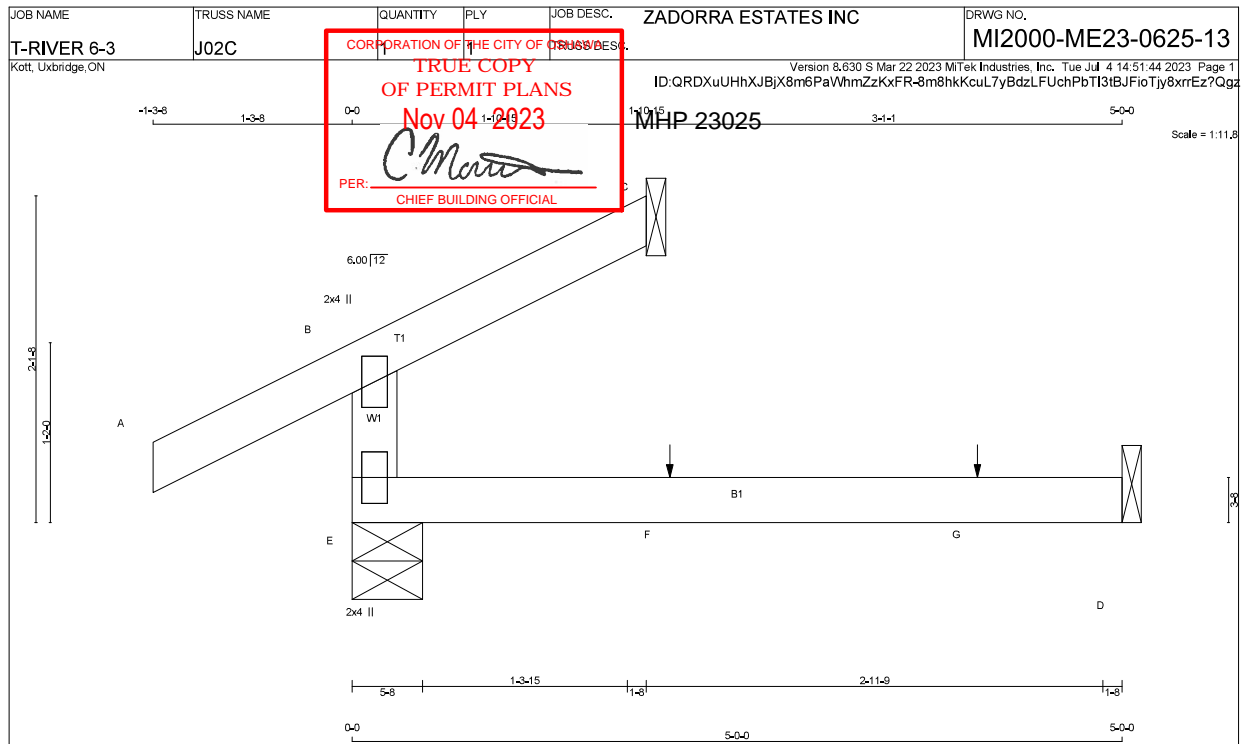
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KOTT



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

PLATES (table is in inches)

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

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

BEARINGS

	FACTORED GROSS REACTION VERT	MAXIMUM FACTORED GROSS REACTION DOWN	FACTORED GROSS REACTION UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
JT					
E	357	0	357	0	5-8
C	86	0	86	0	1-8
D	38	0	43	0	1-8

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	250	177 / 0	0 / 0	0 / 0	0 / 0	73 / 0	0 / 0
C	59	50 / 0	0 / 0	0 / 0	0 / 0	9 / 0	0 / 0
D	30	0 / 0	0 / 0	0 / 0	0 / 0	30 / 0	0 / 0

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

BRACING

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

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED UNBRACED LENGTH (FT)	
FR-TO		FROM TO		FR-TO			
E-B	-304 / 0	0.0 0.0	0.09 (4)				
A-B	0 / 36	-119.4 -119.4	0.16 (1)				
B-C	-12 / 0	-119.4 -119.4	0.07 (1)				
E-F	0 / 0	-18.2 -18.2	0.09 (4)				
F-G	0 / 0	-18.2 -18.2	0.09 (4)				
G-D	0 / 0	-18.2 -18.2	0.09 (4)				

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX	FACE	DIR.	TYPE	HEEL	CONN.
F	2-0-12	1	1	BACK	VERT	TOTAL	—	C1
G	4-0-12	1	1	BACK	VERT	TOTAL	—	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

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

SPACING = 24.0 IN. G/C

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

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

DESIGN ASSUMPTIONS
- OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL.(LL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.00")
ALLOWABLE DEFL.(TL) = $L/360$ (0.19")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.02")

CSI TC=0.16/1.00 (A-B 1), BC=0.09/1.00 (D-E 4), WB=0.00/1.00 (n/a 0), SSI=0.11/1.00 (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
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.17 (B) (INPUT = 0.90)
JSI METAL= 0.13 (B) (INPUT = 1.00)

MODULUS ENGINEERING LTD.

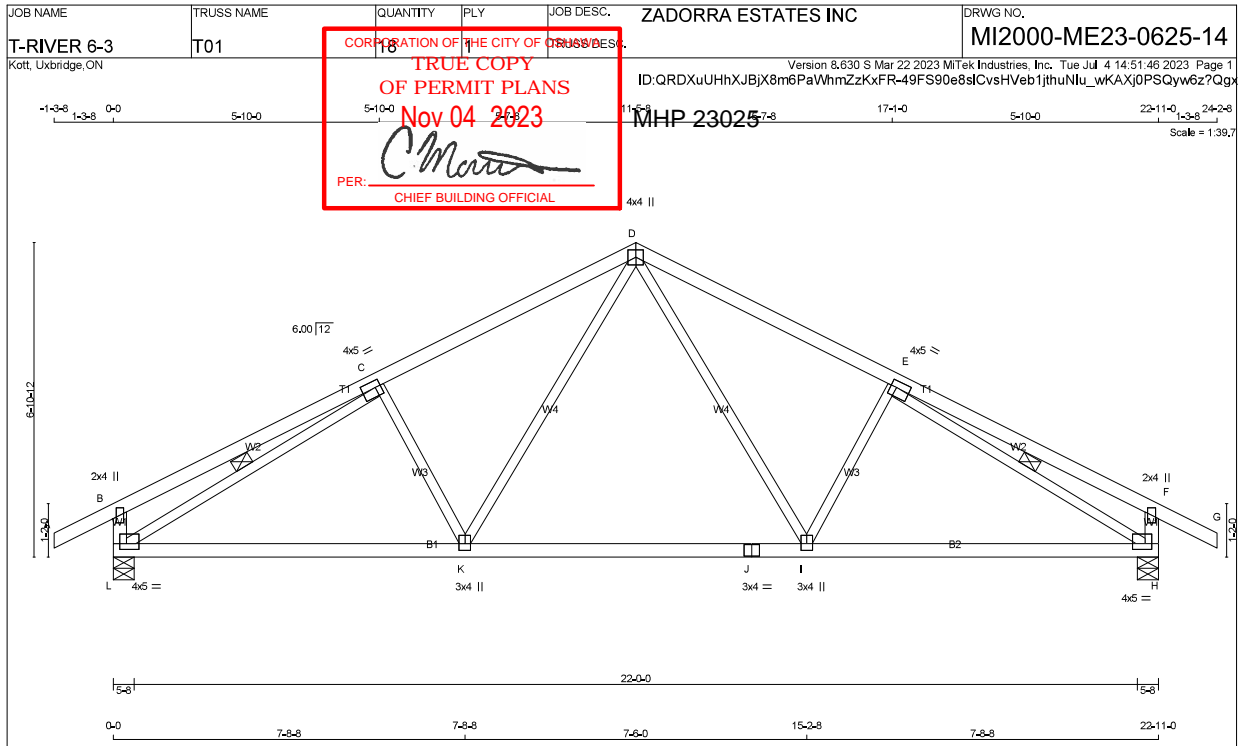


REVIEW FOR TRUSS COMPONENT ONLY


NOTE: ALTERING THIS DOCUMENT
VOIDS THE ENGINEER'S SEAL

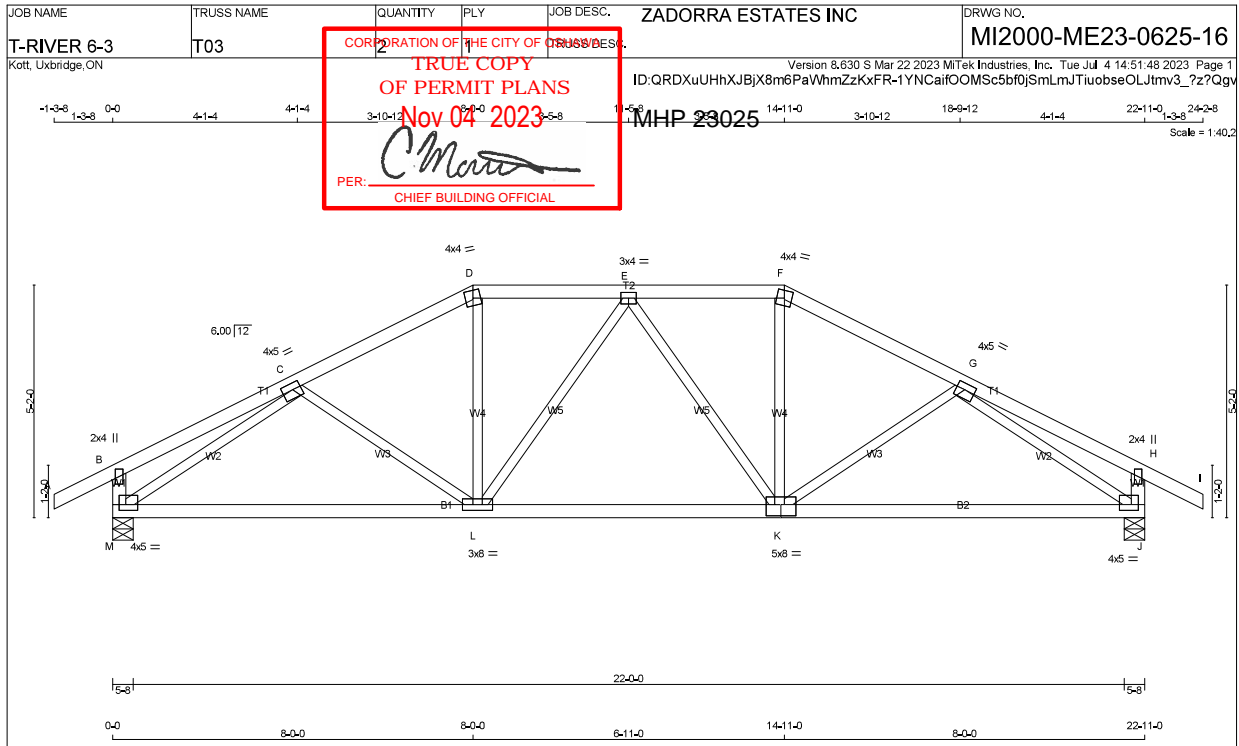
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LUMBER N. L. G. A. RULES CHORDS SIZE LUMBER DESCR. SPF				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER										DESIGN CRITERIA			
				BEARINGS										SPECIFIED LOADS:			
														TOP CH. LL = 34.8 PSF			
														DL = 6.0 PSF			
														BOT CH. LL = 0.0 PSF			
														DL = 7.3 PSF			
														TOTAL LOAD = 48.1 PSF			
														SPACING = 24.0 IN.C/C			
														THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2015			
														THIS DESIGN COMPLIES WITH:			
														- PART 9 OF CBC 2018, NBC-2019AE			
														- PART 9 OF OBC 2012 (2019 AMENDMENT)			
														- CSA 086-14			
														- TPIC 2014			
														(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD			
														ALLOWABLE DEFL.(LL)= L/360 (0.76")			
														CALCULATED VERT. DEFL.(LL) = L/999 (0.09")			
														ALLOWABLE DEFL.(TL)= L/360 (0.76")			
														CALCULATED VERT. DEFL.(TL) = L/999 (0.17")			
														CSL TC=0.63/1.00 (B-C:1), BC=0.44/1.00 (H-I:1), WB=0.72/1.00 (C-L:1), SS=0.30/1.00 (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			
														MT20 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= 0.62 (C) (INPUT = 1.00)			

MODULUS ENGINEERING LTD.									
									
REVIEW FOR TRUSS COMPONENT ONLY									
<small>NOTE: ALTERING THIS DOCUMENT VIOLDS THE ENGINEERS SEAL</small>									



LUMBER N. L. G. A. RULES CHORDS SIZE LUMBER DESCR. A - D 2x4 DRY No.2 SPF B - F 2x4 DRY No.2 SPF F - I 2x4 DRY No.2 SPF M - B 2x4 DRY No.2 SPF J - H 2x4 DRY No.2 SPF M - K 2x4 DRY No.2 SPF K - J 2x4 DRY No.2 SPF ALL WEBS 2x3 DRY No.2 SPF EXCEPT DRY, SEASONED LUMBER.		DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER BEARINGS FACTORED GROSS REACTION DOWN HORZ UPLIFT IN-SX IN-SX M 1740 0 1740 0 0 5-8 1-14 J 1740 0 1740 0 0 5-8 1-14 UNFACTORED REACTIONS 1ST LOASE MAX./MIN. COMPONENT REACTIONS JT COMBINED SNOW LIVE PERM.LIVE WIND DEAD SOIL M 1213 892 / 0 0 / 0 0 / 0 321 / 0 0 / 0 J 1213 892 / 0 0 / 0 0 / 0 321 / 0 0 / 0 BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) M, J BRACING TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.60 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) LC1 MAX. (LC) UNBRAC. MEMB. MAX. FACTORED FORCE (LBS) MAX. (LC) FR-TO FROM TO LENGTH FR-TO A-B 0 / 36 -119.4 -119.4 0.16 (1) 10.00 C-L -189 / 19 0.08 (1) B-C 0 / 23 -119.4 -119.4 0.28 (1) 10.00 L-D 0 / 506 0.11 (1) C-D -1933 / 0 -119.4 -119.4 0.28 (1) 4.60 L-E -281 / 0 0.17 (1) D-E -1718 / 0 -119.4 -119.4 0.20 (1) 4.90 E-K -323 / 0 0.20 (1) E-F -1693 / 0 -119.4 -119.4 0.20 (1) 4.93 K-F 0 / 495 0.11 (1) F-G -1909 / 0 -119.4 -119.4 0.26 (1) 4.63 K-G -193 / 14 0.08 (1) G-H 0 / 23 -119.4 -119.4 0.28 (1) 10.00 M-C -2288 / 0 0.90 (1) H-I 0 / 36 -119.4 -119.4 0.16 (1) 10.00 G-J -2264 / 0 0.89 (1) M-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 M-L 0 / 1862 -18.2 -18.2 0.45 (1) 10.00 L-K 0 / 1877 -18.2 -18.2 0.46 (1) 10.00 K-J 0 / 1843 -18.2 -18.2 0.50 (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, NBC 2015 THIS DESIGN COMPLIES WITH: - PART 9 OF BCBC 2018 - NBC-2019AE - PART 9 OF OBC 2012 (2019 AMENDMENT) - CSA 086-14 - TPIC 2014 (55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOAD ALLOWABLE DEFL.(LL)= L/360 (0.76") CALCULATED VERT. DEFL.(LL) = L/999 (0.08") ALLOWABLE DEFL.(TL)= L/360 (0.76") CALCULATED VERT. DEFL.(TL) = L/999 (0.26") CSI TC=0.28/1.00 (G+H 1), BC=0.50/1.00 (J-K 1), WB=0.90/1.00 (C-M 1), SSI=0.20/1.00 (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) (PU) 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= 0.88 (K) (INPUT = 0.90) JSI METAL= 0.59 (C) (INPUT = 1.00)	
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T-RIVER 6-3

Kott, Uxbridge, ON

T04

CORPORATION OF THE CITY OF MISSISSAUGA
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OF PERMIT PLANS
Nov 04 2023

PER: CHIEF BUILDING OFFICIAL

ZADORRA ESTATES INC

Version 8,630 S Mar 22 2023 Mitek Industries, Inc. Tue Jul 4 14:51:49 2023 Page 1

MI2000-ME23-0625-17

D:QRDXuUHHXJBjX8m6PaVhmZzKxFr-VkxanZg09gaTjkEDHAHaIW?v8CziN?oS6QecWRz?Page1

MHP 23025

Scale = 1/22.2

LUMBER

N, L, G, A, RULES

CHORDS SIZE DRY LUMBER DESCR.

A - D 2x4 DRY No.2 SPF

D - F 2x4 DRY No.2 SPF

I - B 2x4 DRY No.2 SPF

G - F 2x4 DRY No.2 SPF

I - G 2x4 DRY No.2 SPF

ALL WEBS 2x3 DRY No.2 SPF

EXCEPT

DRY, SEASONED LUMBER.

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

BEARINGS

FACTORED MAXIMUM FACTORED INPUT REQD

JT GROSS REACTION GROSS REACTION BRG BRG

JT VERT HORZ DOWN HORZ UPLIFT IN-SX IN-SX

I 1043 0 1043 0 0 5-8 1-8

G 881 0 881 0 0 MECHANICAL

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

UNFACTORED REACTIONS

1ST LOASE MAX/MIN COMPONENT REACTIONS

JT COMBINED SNOW LIVE PERM.LIVE WIND DEAD SOIL

I 726 540 / 0 0 / 0 0 / 0 186 / 0 0 / 0

G 615 445 / 0 0 / 0 0 / 0 170 / 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 = 6,25 FT.

MAX. UNBRAVED 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 LC1 MAX. UNBRAC LENGTH FR-TO MEMB. MAX. FACTORED FORCE (LBS) MAX. CSI (LC)

FR-TO A-B 0 / 36 -119,4 -119,4 0,16 (1) 10,00 C-H -212 / 0 0,06 (1)

B-C 0 / 18 -119,4 -119,4 0,17 (1) 10,00 H-D 0 / 425 0,10 (1)

C-D -827 / 0 -119,4 -119,4 0,14 (1) 6,25 H-E -257 / 0 0,07 (1)

D-E -827 / 0 -119,4 -119,4 0,15 (1) 6,25 I-C -1125 / 0 0,30 (1)

E-F 0 / 18 -119,4 -119,4 0,19 (1) 10,00 E-G -1152 / 0 0,31 (1)

I-B -311 / 0 0,0 0,0 0,03 (1) 7,81

G-F -154 / 0 0,0 0,0 0,02 (1) 7,81

I-H 0 / 891 -18,2 -18,2 0,27 (4) 10,00

H-G 0 / 930 -18,2 -18,2 0,27 (4) 10,00

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 34,8 PSF

DL = 6,0 PSF

BOT CH. LL = 0,0 PSF

DL = 7,3 PSF

TOTAL LOAD = 48,1 PSF

SPACING = 240 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 CBC 2018 , NBC-2019AE

- PART 9 OF OBC 2012 (2019 AMENDMENT)

- CSA 086-14

- TPIC 2014

(55 % OF 48,1 P.S.F. G.S.L. PLUS 8,4 P.S.F. RAIN LOAD) EQUALS 34,8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0,43")

CALCULATED VERT. DEFL.(LL) = L/999 (0,02")

ALLOWABLE DEFL.(TL)= L/360 (0,43")

CALCULATED VERT. DEFL.(TL) = L/999 (0,06")

CSI TC=0,19/1,00 (E-F:1) BC=0,27/1,00 (G-H:4) , WB=0,31/1,00 (E-G:1) , SS=0,16/1,00 (E-F: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

MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0,250 inches

PLATE ROTATION TOL. = 5,0 Deg.

JSI GRP= 0,87 (C) (INPUT = 0,90)

JSI METAL= 0,29 (E) (INPUT = 1,00)

MODULUS ENGINEERING LTD.

07/04/2023

P. R. HEAL

PROVINCE OF ONTARIO

REVIEW FOR TRUSS COMPONENT ONLY

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