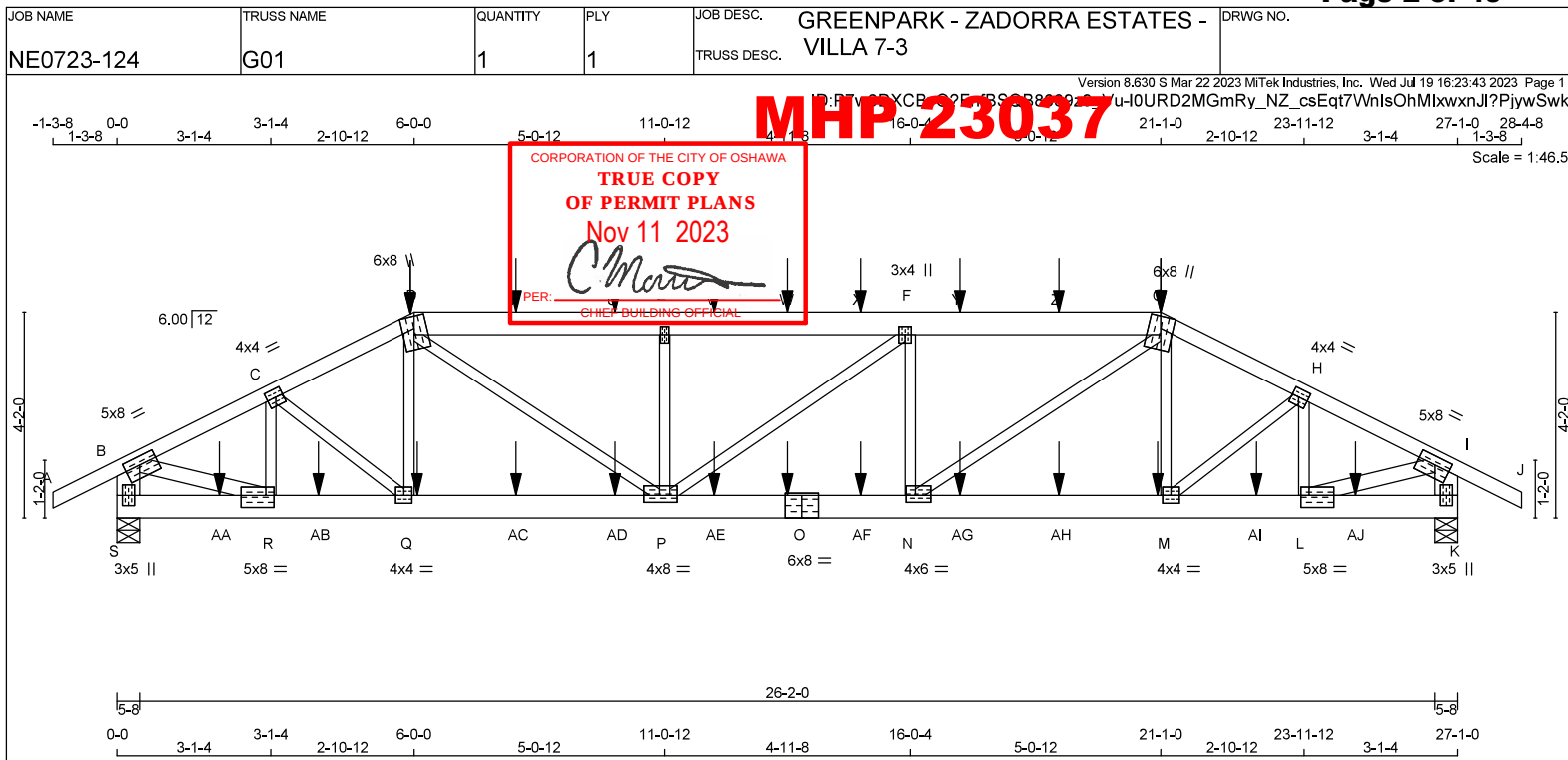




LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x6	DRY	No.2	SPF
G - J	2x4	DRY	No.2	SPF
S - B	2x6	DRY	No.2	SPF
K - I	2x6	DRY	No.2	SPF
S - O	2x6	DRY	No.2	SPF
O - K	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x4	DRY	No.2	SPF
B - R	2x4	DRY	No.2	SPF
L - I	2x4	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWWH	MT20	5.0	8.0	2.00	3.75
C	TMWWH	MT20	4.0	4.0	2.00	1.75
D	TMWWH+m	MT20	6.0	8.0	Edge	
E	TMWWH	MT20	2.0	4.0		
F	TMWWH+t	MT20	3.0	4.0		
G	TMWWH+m	MT20	6.0	8.0	Edge	
H	TMWWH	MT20	4.0	4.0	2.00	1.75
I	TMWWH	MT20	5.0	8.0	2.00	3.75
K	BMV1+p	MT20	3.0	5.0		
L	BMWWH	MT20	5.0	8.0	3.00	2.00
M	BMWWH	MT20	4.0	4.0		
N	BMWWH	MT20	4.0	6.0	1.75	2.25
O	BS4	MT20	6.0	8.0		
P	BMWWH	MT20	4.0	8.0	1.75	3.75
Q	BMWWH	MT20	4.0	4.0		
R	BMWWH	MT20	5.0	8.0	3.00	2.00
S	BMV1+p	MT20	3.0	5.0		

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

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

DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
S	3335	0	3335	0
K	3335	0	3335	0

UNFACTORED REACTIONS

1ST LCASE

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	2329	1694 / 0	0 / 0	0 / 0	0 / 0	635 / 0	0 / 0
K	2329	1694 / 0	0 / 0	0 / 0	0 / 0	636 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.73 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 (PLF)	MAX CSI (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM TO			FR-TO		
A-B	0 / 36	-119.4 -119.4	0.17 (1)	10.00	R-C	-1021 / 0	0.18 (1)
B-C	-4353 / 0	-119.4 -119.4	0.43 (1)	2.96	C-Q	0 / 638	0.16 (1)
C-D	-4905 / 0	-119.4 -119.4	0.46 (1)	2.73	Q-D	-171 / 75	0.04 (1)
D-T	-6108 / 0	-119.4 -119.4	0.59 (1)	2.94	D-P	0 / 2123	0.53 (1)
T-U	-6108 / 0	-119.4 -119.4	0.59 (1)	2.94	P-E	-1116 / 0	0.27 (1)
U-E	-6108 / 0	-119.4 -119.4	0.59 (1)	2.94	F-E	-19 / 0	0.01 (1)
E-V	-6107 / 0	-119.4 -119.4	0.56 (1)	2.99	N-F	-1118 / 0	0.27 (1)
V-W	-6107 / 0	-119.4 -119.4	0.56 (1)	2.99	N-G	0 / 2143	0.53 (1)
W-X	-6107 / 0	-119.4 -119.4	0.56 (1)	2.99	M-G	-179 / 74	0.16 (1)
X-F	-6107 / 0	-119.4 -119.4	0.56 (1)	2.99	M-H	0 / 634	0.16 (1)
F-Y	-6123 / 0	-119.4 -119.4	0.58 (1)	2.95	L-H	-1017 / 0	0.18 (1)
Y-Z	-6123 / 0	-119.4 -119.4	0.58 (1)	2.95	B-R	0 / 4024	0.71 (1)
Z-G	-6123 / 0	-119.4 -119.4	0.58 (1)	2.95	L-I	0 / 4026	0.71 (1)
G-H	-4903 / 0	-119.4 -119.4	0.46 (1)	2.74			
H-I	-4355 / 0	-119.4 -119.4	0.43 (1)	2.96			
I-J	0 / 36	-119.4 -119.4	0.17 (1)	10.00			
S-B	-3245 / 0	0.0 0.0	0.23 (1)	5.76			
K-L	-3247 / 0	0.0 0.0	0.23 (1)	5.76			

S-AA	0 / 0	-18.2	-18.2	0.12 (1)	10.00
AA-R	0 / 0	-18.2	-18.2	0.12 (1)	10.00
R-AB	0 / 3905	-18.2	-18.2	0.63 (1)	10.00
AB-Q	0 / 3905	-18.2	-18.2	0.63 (1)	10.00
Q-AC	0 / 4400	-18.2	-18.2	0.65 (1)	10.00
AC-AD	0 / 4400	-18.2	-18.2	0.65 (1)	10.00
AD-P	0 / 4400	-18.2	-18.2	0.65 (1)	10.00
P-AE	0 / 6122	-18.2	-18.2	0.91 (1)	10.00
AE-O	0 / 6122	-18.2	-18.2	0.91 (1)	10.00
O-AF	0 / 6122	-18.2	-18.2	0.91 (1)	10.00
AF-N	0 / 6122	-18.2	-18.2	0.91 (1)	10.00
N-AG	0 / 4399	-18.2	-18.2	0.63 (1)	10.00
AG-AH	0 / 4399	-18.2	-18.2	0.63 (1)	10.00
AH-M	0 / 4399	-18.2	-18.2	0.63 (1)	10.00
M-AI	0 / 3906	-18.2	-18.2	0.62 (1)	10.00
AI-L	0 / 3906	-18.2	-18.2	0.62 (1)	10.00
L-AJ	0 / 0	-18.2	-18.2	0.12 (1)	10.00
AJ-K	0 / 0	-18.2	-18.2	0.12 (1)	10.00

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
D	6-0-0	-418	-418	—	FRONT	VERT	TOTAL	—	C1
G	21-1-0	-418	-418	—	FRONT	VERT	TOTAL	—	C1
M	21-0-0	-22	-22	—	FRONT	VERT	TOTAL	—	C1
O	13-6-8	-22	-22	—	FRONT	VERT	TOTAL	—	C1
Q	6-0-12	-22	-22	—	FRONT	VERT	TOTAL	—	C1
T	8-0-12	-102	-102	—	FRONT	VERT	TOTAL	—	C1
U	10-0-12	-102	-102	—	FRONT	VERT	TOTAL	—	C1
V	12-0-12	-102	-102	—	FRONT	VERT	TOTAL	—	C1
W	13-6-8	-102	-102	—	FRONT	VERT	TOTAL	—	C1
X	15-0-4	-102	-102	—	FRONT	VERT	TOTAL	—	C1
Y	17-0-4	-102	-102	—	FRONT	VERT	TOTAL	—	C1
Z	19-0-4	-102	-102	—	FRONT	VERT	TOTAL	—	C1

DESIGN CRITERIA

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

SPECIFIED LOADS:

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

SPACING = 24.0 IN. C/C

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

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

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.90")
CALCULATED VERT. DEFL.(LL) = L/999 (0.22")
ALLOWABLE DEFL.(TL) = L/360 (0.90")
CALCULATED VERT. DEFL.(TL) = L/842 (0.39")

CSI: TC=0.59/0.97 (D-E-1), BC=0.91/0.97 (N-P-1),
WB=0.71/0.97 (L-I-1), SSI=0.37/1.00 (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

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)	(PLI)	(PLI)
MT20	650	371	1747
	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (L) (INPUT = 0.90)
JSI METAL = 0.97 (O) (INPUT = 1.00)

CONTINUED ON PAGE 2



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

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
NE0723-124	G01	1	1	GREENPARK - ZADORRA ESTATES - VILLA 7-3	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:23:43 2023 Page 2

MHP 23037

SPECIFIED CONCENTRATED LOADS (LBS)				OSHA			
JT	LOC.	LC	FACE	DIR.	TYPE	HEEL	CONN.
AA	2-0-12	22	FRONT	VERT	TOTAL	—	C1
AB	3-0-12	22	FRONT	VERT	TOTAL	—	C1
AC	3-0-12	22	FRONT	VERT	TOTAL	—	C1
AD	1-0-12	22	FRONT	VERT	TOTAL	—	C1
AE	1-0-12	22	FRONT	VERT	TOTAL	—	C1
AF	5-0-4	22	FRONT	VERT	TOTAL	—	C1
AG	7-0-4	22	FRONT	VERT	TOTAL	—	C1
AH	9-0-4	22	FRONT	VERT	TOTAL	—	C1
AI	13-0-4	22	FRONT	VERT	TOTAL	—	C1
AJ	15-0-4	22	FRONT	VERT	TOTAL	—	C1

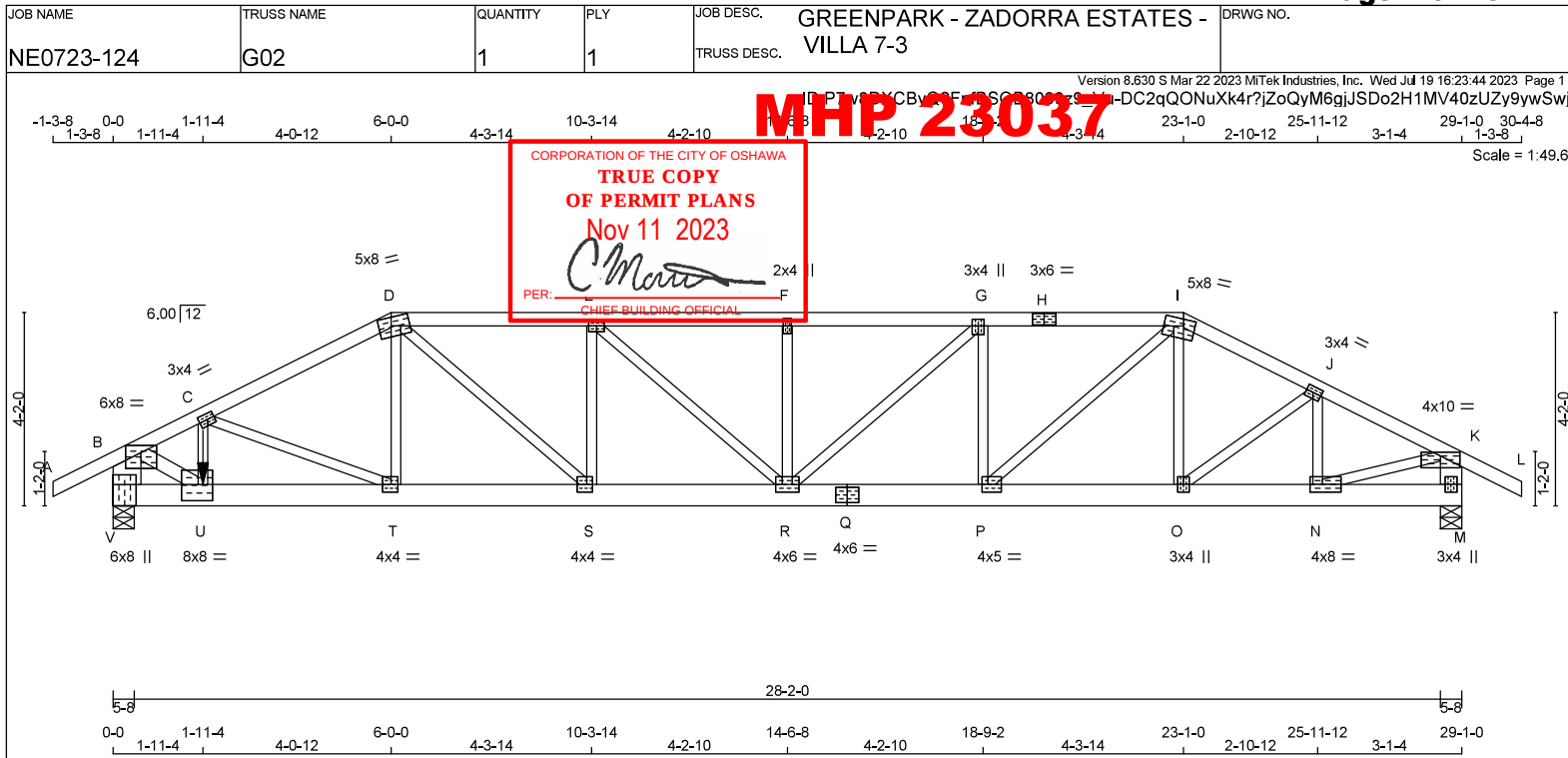
CONNECTION REQUIREMENTS

- 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.



**LUMBER**

N. L. G. A. RULES	SIZE	LUMBER	DESCR.
CHORDS			
A - D	2x4	DRY No.2	SPF
D - H	2x4	DRY No.2	SPF
H - I	2x4	DRY No.2	SPF
I - L	2x4	DRY No.2	SPF
V - B	2x6	DRY No.2	SPF
M - K	2x6	DRY No.2	SPF
V - Q	2x6	DRY No.2	SPF
Q - M	2x6	DRY No.2	SPF
ALL WEBS	2x3	DRY No.2	SPF
EXCEPT			
B - U	2x4	DRY No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
B	TMWW-p	MT20	6.0	8.0	Edge
C	TMWW-H	MT20	3.0	4.0	1.50 1.75
D	TTWW-m	MT20	5.0	8.0	2.25 3.25
E	TMWW-H	MT20	3.0	4.0	
F	TMWW-w	MT20	2.0	4.0	
G	TMWW-t	MT20	3.0	4.0	1.75 1.50
H	TS-t	MT20	3.0	6.0	
I	TTWW-m	MT20	5.0	8.0	1.75 3.00
J	TMWW-H	MT20	3.0	4.0	1.50 1.75
K	TMWW-p	MT20	4.0	10.0	1.00 5.00
M	BMV1+p	MT20	3.0	4.0	
N	BMWW-H	MT20	4.0	8.0	2.00 3.25
O	BMWW-t	MT20	3.0	4.0	
P	BMWW-H	MT20	4.0	5.0	2.00 1.50
Q	BS-t	MT20	4.0	6.0	
R	BMWW-H	MT20	4.0	6.0	
S	BMWW-H	MT20	4.0	4.0	2.00 1.50
T	BMWW-H	MT20	4.0	4.0	2.00 1.75
U	BMWW-H	MT20	8.0	8.0	4.25 3.75
V	BMV1+t	MT20	6.0	8.0	5.50

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES
EDGE OF CHORD.**DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING****DESIGNER BEARINGS**

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT VERT	4268	4268	0	5-8
V	4268	4268	0	5-8
M	2314	2314	0	5-8

UNFACTORED REACTIONS

	1ST CASE	MAX. MIN. COMPONENT REACTIONS						
JT COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL		
V	2977	2188 / 0	0 / 0	0 / 0	789 / 0	0 / 0		
M	1615	1184 / 0	0 / 0	0 / 0	431 / 0	0 / 0		

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) V, M
BEARING SIZE FACTOR = 1.15 AT JNT(S) V (BASED ON SUPPORT DEPTH = 1-8)**BRACING**TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.65 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	VERT. LOAD	LC1	MAX	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	FORCE (PLF)	TO	TO	CSI (LC)	MEMB.	FORCE (LBS)
FR-TO						UNBRAC	LENGTH
A-B	0 / 36	-119.4	-119.4	0.17 (1)	10.00	U-C	0 / 323
B-C	-4773 / 0	-119.4	-119.4	0.48 (1)	2.74	C-T	-914 / 0
C-D	-3872 / 0	-119.4	-119.4	0.57 (1)	3.00	T-D	0 / 568
D-E	-4301 / 0	-119.4	-119.4	0.67 (1)	2.72	D-S	0 / 1112
E-F	-4429 / 0	-119.4	-119.4	0.68 (1)	2.65	S-E	-686 / 0
F-G	-4429 / 0	-119.4	-119.4	0.67 (1)	2.66	E-R	0 / 171
G-H	-3970 / 0	-119.4	-119.4	0.61 (1)	2.90	R-F	-463 / 0
H-I	-3970 / 0	-119.4	-119.4	0.61 (1)	2.90	F-G	0 / 618
I-J	-3121 / 0	-119.4	-119.4	0.28 (1)	3.64	P-G	-984 / 0
J-K	-2860 / 0	-119.4	-119.4	0.27 (1)	3.81	P-I	0 / 1588
K-L	0 / 36	-119.4	-119.4	0.17 (1)	10.00	O-I	-7 / 49
V-B	-4081 / 0	0.0	0.0	0.22 (1)	5.87	O-J	0 / 258
M-K	-2243 / 0	0.0	0.0	0.16 (1)	6.71	N-J	-692 / 0
						B-U	0 / 4622
						N-K	0 / 2650
V-U	0 / 0	-18.2	-18.2	0.24 (1)	10.00		
U-T	0 / 4292	-18.2	-18.2	0.80 (1)	10.00		
T-S	0 / 3464	-18.2	-18.2	0.52 (1)	10.00		
S-R	0 / 4301	-18.2	-18.2	0.64 (1)	10.00		
R-Q	0 / 3969	-18.2	-18.2	0.59 (1)	10.00		
Q-P	0 / 3969	-18.2	-18.2	0.59 (1)	10.00		
P-O	0 / 2774	-18.2	-18.2	0.40 (1)	10.00		
O-N	0 / 2571	-18.2	-18.2	0.43 (1)	10.00		
N-M	0 / 0	-18.2	-18.2	0.10 (1)	10.00		

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
U	1-11-4	-1571	-1571		FRONT	VERT	TOTAL		C1

CONNECTION REQUIREMENTS

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

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

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

SPACING = 24.0 IN. C/C

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

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

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

THIS DESIGN COMPLIES WITH:

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

(55 % OF 48.1 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD)
EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOADALLOWABLE DEFL.(LL) = L/360 (0.97")
CALCULATED VERT. DEFL.(LL) = L/999 (0.21")
ALLOWABLE DEFL.(TL) = L/360 (0.97")
CALCULATED VERT. DEFL.(TL) = L/965 (0.36")CSI: TC=0.68/0.97 (E-F:1), BC=0.80/0.97 (T-U:1),
WB=0.82/0.97 (B-U:1), SSI=0.26/1.00 (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)	(PLI)
MT20	650	371	1747
	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

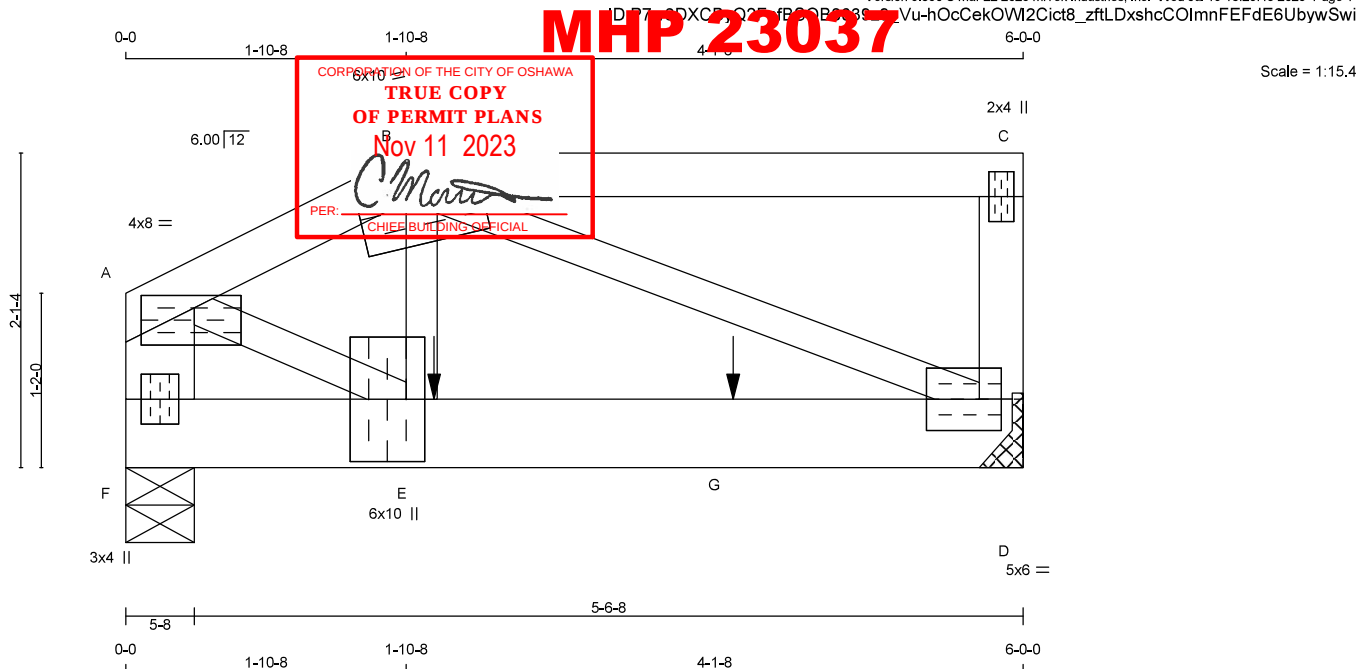
JSI GRIP= 0.90 (U) (INPUT = 0.90)
JSI METAL = 0.98 (Q) (INPUT = 1.00)

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



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-124	G04	1	1	TRUSS DESC.	VILLA 7-3	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:23:45 2023 Page 1



TOTAL WEIGHT = 26 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - B	2x4	DRY	No.2
B - C	2x4	DRY	No.2
D - C	2x4	DRY	No.2
F - A	2x6	DRY	No.2
F - D	2x6	DRY	2100F 1.8E

ALL WEBS 2x3 DRY No.2 EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	4.0	8.0	1.00	4.25
B	TTVW-m	MT20	6.0	10.0	2.00	4.00
C	TMV+p	MT20	2.0	4.0		
D	BMVW14	MT20	5.0	6.0	2.50	1.75
E	BMVW14	MT20	6.0	10.0	5.00	1.50
F	BMV1+p	MT20	3.0	4.0		

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

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
D	2272	0	2272	0
F	2246	0	2246	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 2-0.

UNFACTORED REACTIONS

	1ST LOASE	MAX./MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
D	1586	1158 / 0
F	1568	1145 / 0

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

BEARING SIZE FACTOR = 1.15 AT JNT(S) F (BASED ON SUPPORT DEPTH = 1-8)

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.85 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	MAX. FACTORED
	MEMB.	FORCE (LBS)	VERT. LOAD LC1	MAX. MEMB. UNBRACED LENGTH	FORCE (LBS)
FR-TO					
A-B	-2933 / 0	-119.4	-119.4	0.19 (1)	3.85
B-C	0 / 0	-119.4	-119.4	0.38 (1)	10.00
D-C	-246 / 0	0.0	0.0	0.03 (1)	7.81
F-A	-2458 / 0	0.0	0.0	0.17 (1)	6.47
F-E	0 / 0	-18.2	-18.2	0.18 (1)	10.00
E-G	0 / 2746	-18.2	-18.2	0.81 (1)	10.00
G-D	0 / 2746	-18.2	-18.2	0.81 (1)	10.00

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
E	2-0-12	-1288	-1288	—	FRONT	VERT	TOTAL	—	C1
G	4-0-12	-1288	-1288	—	FRONT	VERT	TOTAL	—	C1

CONNECTION REQUIREMENTS

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

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

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

SPACING = 24.0 IN. C/C

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

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

ADDTL USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) = L/360 (0.20")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.06")
 ALLOWABLE DEFL.(TL) = L/360 (0.20")
 CALCULATED VERT. DEFL.(TL) = L/649 (0.11")

CSI: TC=0.38/0.97 (B-C-1), BC=0.81/0.97 (D-E-1),
 WB=0.91/0.97 (B-D-1), SS=0.69/1.00 (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 RIGHT HEEL ONLY

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

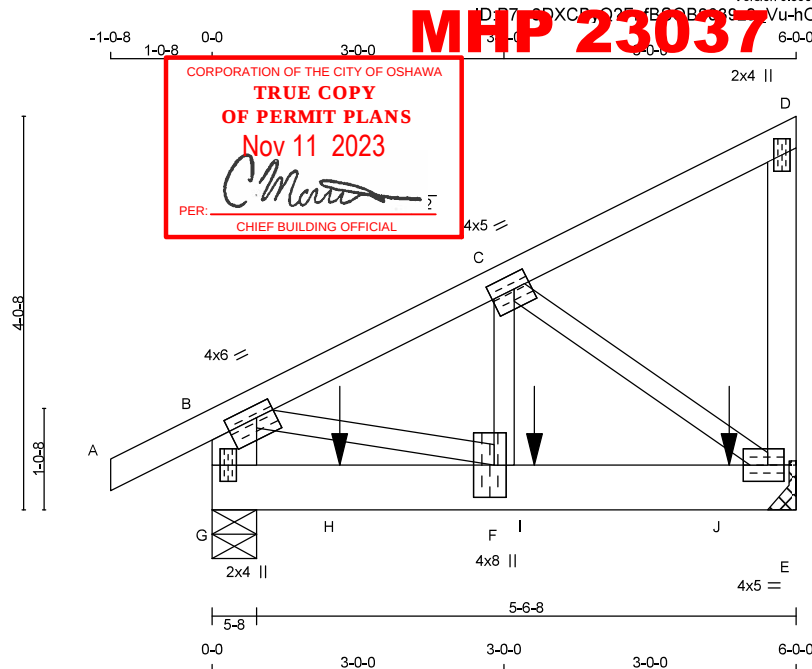
JSI GRIP= 0.89 (D) (INPUT = 0.90)
JSI METAL = 0.82 (E) (INPUT = 1.00)

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



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-124	G05	1	1	TRUSS DESC.	VILLA 7-3	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:23:45 2023 Page 1



TOTAL WEIGHT = 31 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
E - D	2x4	DRY	No.2	SPF
G - B	2x6	DRY	No.2	SPF
G - E	2x6	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW4	MT20	4.0	6.0	1.50	2.25
C	TMVW4	MT20	4.0	5.0	1.75	2.00
D	TMV+p	MT20	2.0	4.0		
E	BMVW14	MT20	4.0	5.0	2.00	2.00
F	BMVW14	MT20	4.0	8.0	4.00	1.50
G	BMV1+p	MT20	2.0	4.0	2.00	1.00

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

JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
E	1784	0	1784	0	0	MECHANICAL	
G	1663	0	1663	0	0	5-8	1-13

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT E. MINIMUM BEARING LENGTH AT JOINT E = 1-15.

UNFACTORED REACTIONS

JT	1ST LOASE	MAX. MIN. COMPONENT REACTIONS
E	1244	915 / 0
G	1158	859 / 0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.07 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MAX. FACTORED FORCE (LBS)	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED FORCE (LBS)
FR-TO						FR-TO			
A-B	0 / 30	-119.4	-119.4	0.11 (1)	10.00	F-C	0 / 1247	0.31 (1)	
B-C	-1522 / 0	-119.4	-119.4	0.19 (1)	5.07	C-E	-1692 / 0	0.40 (1)	
C-D	-15 / 0	-119.4	-119.4	0.15 (1)	6.25	B-F	0 / 1407	0.35 (1)	
E-D	-145 / 0	0.0	0.0	0.03 (1)	7.81				
G-B	-1263 / 0	0.0	0.0	0.09 (1)	7.81				
G-H	0 / 0	-18.2	-18.2	0.37 (1)	10.00				
H-F	0 / 0	-18.2	-18.2	0.37 (1)	10.00				
F-I	0 / 1375	-18.2	-18.2	0.51 (1)	10.00				
I-J	0 / 1375	-18.2	-18.2	0.51 (1)	10.00				
J-E	0 / 1375	-18.2	-18.2	0.51 (1)	10.00				

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
H	1-3-12	-583	-583		FRONT	VERT	TOTAL		C1
I	3-3-12	-575	-575		FRONT	VERT	TOTAL		C1
J	5-3-12	-577	-577		FRONT	VERT	TOTAL		C1

CONNECTION REQUIREMENTS

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

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

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

SPACING = 24.0 IN. C/C*** NON STANDARD GIRDER ***
ADDTL USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, 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 LOADALLOWABLE 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 (B-C:1), BC=0.51/0.97 (E-F:1),
WB=0.40/0.97 (C-E:1), SSI=0.70/1.00 (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)	(PLI)
MT20	650	371	1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.86 (B) (INPUT = 0.90)
JSI METAL = 0.62 (F) (INPUT = 1.00)

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.



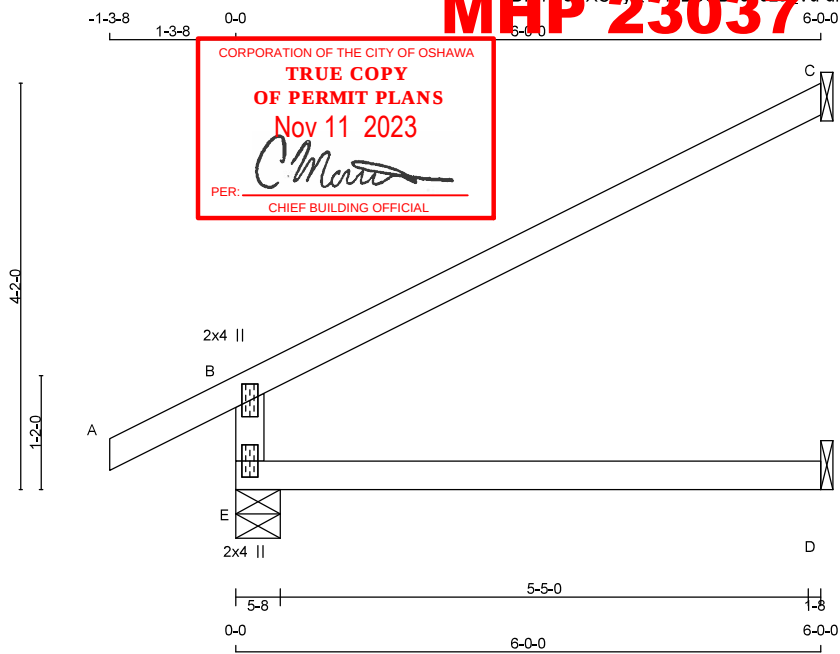


1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-124	J01	9	1	TRUSS DESC.	VILLA 7-3	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:23:47 2023 Page 1



Scale = 1:23.6

TOTAL WEIGHT = 9 X 17 = 154 lb

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**

JT	VERT	HORZ	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
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

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX./MIN. COMPONENT REACTIONS				
E	468	355 / 0	0 / 0	0 / 0	113 / 0	0 / 0
C	184	157 / 0	0 / 0	0 / 0	27 / 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

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	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	WEBS	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO								
E-B	-610 / 0	0.0	0.0	0.13 (4)	7.81			
A-B	0 / 36	-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			

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

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

CSI: TC=0.73/0.97 (B-C-1), BC=0.13/0.97 (D-E-4),
 WB=0.00/0.97 (n/a-0), 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
	(PL)	(PL)	(PL)
MT20	650	371	1747
		788	1987
			1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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



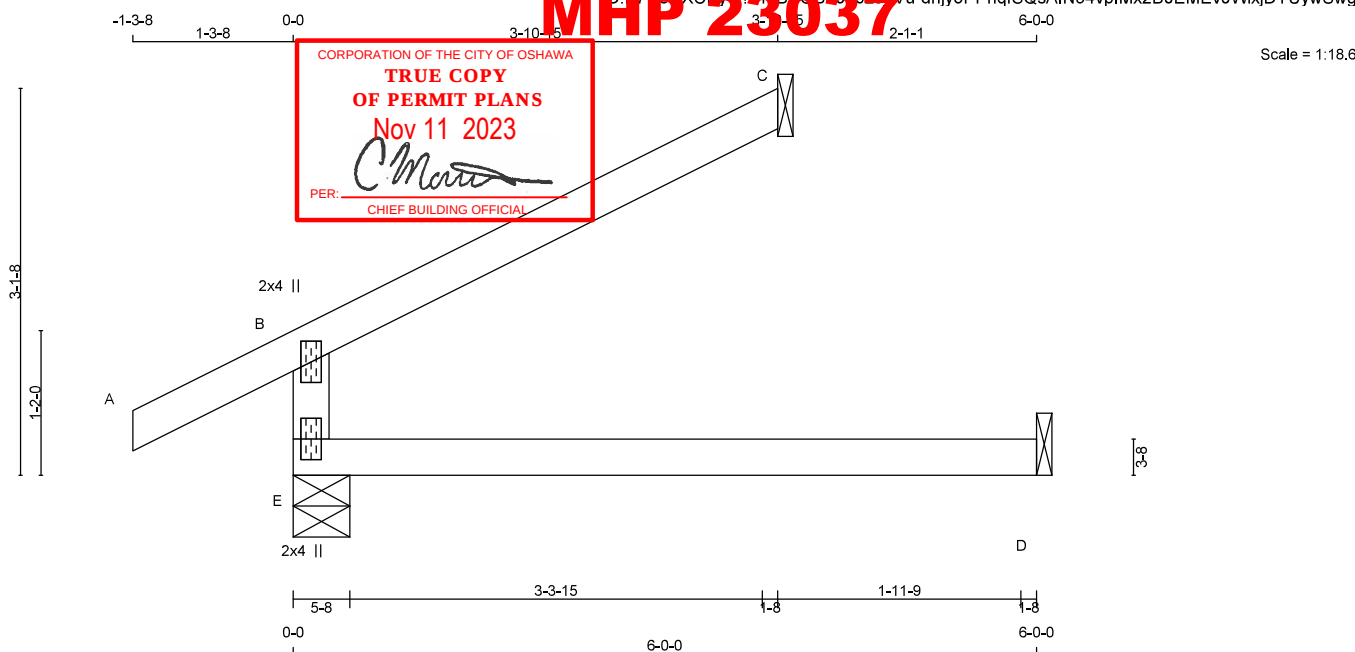
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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-124	J02	2	1	TRUSS DESC.	VILLA 7-3	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:23:47 2023 Page 1

D:\P7\23XCP\025\B00B0039\Wu-dnjy3PPnqfSQsAIN54vpIMx2B0EMEv0WixjDYUywSwg



TOTAL WEIGHT = 2 X 14 = 29 lb

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		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD 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

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX./MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	362	265 / 0	0 / 0	0 / 0	0 / 0	97 / 0	0 / 0
C	120	102 / 0	0 / 0	0 / 0	0 / 0	18 / 0	0 / 0
D	36	0 / 0	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 (PLF)	MAX. CSI (LC)	MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)					
FR-TO												
E-B	-454 / 0	0.0	0.0	0.13 (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	0.13 (4)	10.00							

DESIGN CRITERIA**SPECIFIED LOADS:**

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

SPACING = 24.0 IN./C/C

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

-OVERHANG NOT TO BE ALTERED OR CUT OFF.

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

ALLOWABLE DEFL.(LL)= L/360 (0.20")
 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=0.31/0.97 (B-C:1) , BC=0.13/0.97 (D-E:4) ,
 WB=0.00/0.97 (n/a:0) , SSH=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
(PL)	(PSI)	(PL)	(PL)
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)

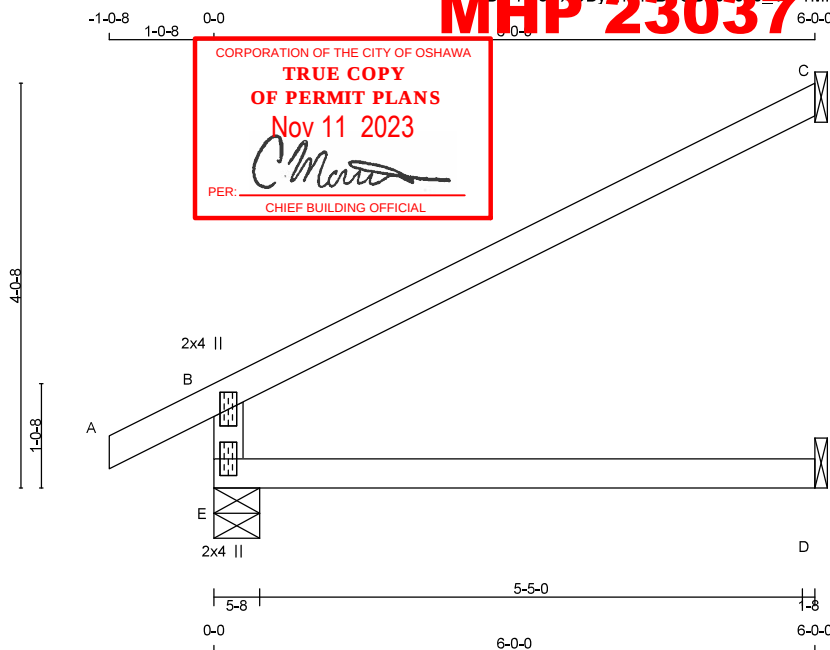


READ ALL NOTES ON THIS PAGE AND ON THE
 ENGINEERING NOTES: TRUSSES. THE NOTE PAGE
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 IN THE DESIGN OF THIS COMPONENT.



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-124	J06	2	1	TRUSS DESC.	VILLA 7-3	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:23:50 2023 Page 1



Scale = 1:23.0

TOTAL WEIGHT = 2 X 17 = 33 lb

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**

JT	VERT	HORZ	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
E	645	0	645	0	5-8	1-8
C	269	0	269	0	1-8	1-8
D	45	0	50	0	1-8	1-8

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

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	448	338 / 0	0 / 0	0 / 0	0 / 0	110 / 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

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

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. CSI (LC)	MEMB.	WEBS MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM	TO	FR-TO		
E-B	-580 / 0	0.0	0.0	0.12 (4)	7.81	
A-B	0 / 30	-119.4	-119.4	0.10 (1)	10.00	
B-C	-40 / 0	-119.4	-119.4	0.56 (1)	6.25	
E-D	0 / 0	-18.2	-18.2	0.14 (4)	10.00	

DESIGN CRITERIA**SPECIFIED LOADS:**

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

SPACING = 24.0 IN./C

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 LOADALLOWABLE 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=0.56/0.97 (B-C:1) , BC=0.14/0.97 (D-E:4) ,
WB=0.00/0.97 (n/a:0) , SSI=0.31/1.00 (B-C:1)DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10
SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(PL)	(PL)	(PL)
MT20	650	371	1747 788 1987 1873

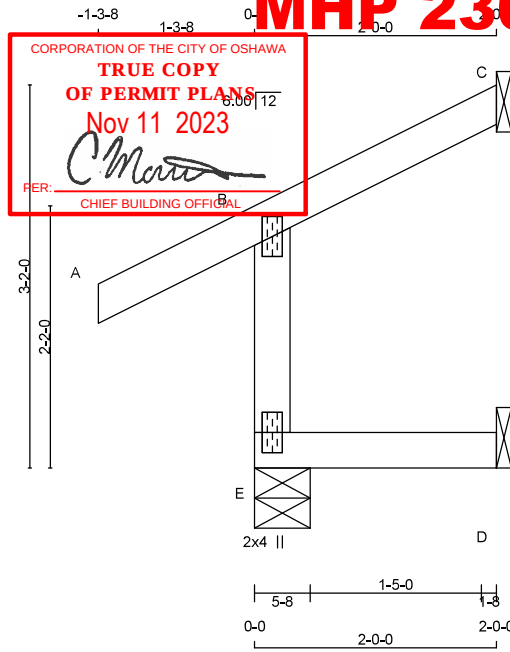
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.32 (B) (INPUT = 0.90)
JSI METAL= 0.24 (B) (INPUT = 1.00)

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.





Scale = 1:19.1

TOTAL WEIGHT = 2 X 9 = 17 lb

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.

DESCR.

SPF

SPF

SPF

PLATES (table is in inches)

JT TYPE PLATES W LEN Y X

B TMV+p MT20 2.0 4.0

E BMV+1p MT20 2.0 4.0

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

BEARINGS

FACTORED

GROSS REACTION

JT VERT HORZ

E 329 0

C 91 0

D 17 0

MAXIMUM FACTORED

GROSS REACTION

DOWN HORZ

329 0

91 0

19 0

INPUT

UPLIFT

0 0

0 0

0 0

REQRD

BRG

5-8

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

E 227

C 62

D 14

SNOW

181 / 0

53 / 0

0 / 0

LIVE

0 / 0

0 / 0

0 / 0

PERM.LIVE

0 / 0

0 / 0

0 / 0

WIND

0 / 0

0 / 0

0 / 0

DEAD

47 / 0

9 / 0

14 / 0

SOIL

0 / 0

0 / 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: (5)

C H O R D S

MAX. FACTORED

MEMB.

FORCE (LBS)

FACTORED

VERT. LOAD LC1

FROM TO

0.0 0.0

MAX.

MAX

0.01 (4)

7.81

W E B S

MAX. FACTORED

MEMB.

FORCE (LBS)

UNBRAC

LENGTH

FR-TO

10.00

MAX

6.25

0.02 (4)

10.00

FR-TO

E - B

-310 / 0

A - B

0 / 36

B - C

-13 / 0

E - D

0 / 0

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

PATTERNLOADING CHECK APPLIED TO THIS TRUSS.

DESIGN CRITERIA

SPECIFIED LOADS:

TOP

CH.

LL

=

34.8 PSF

BOT

CH.

LL

=

6.0 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

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=0.16/0.97 (A-B:1) , BC=0.02/0.97 (D-E:4) , WB=0.00/0.97 (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)

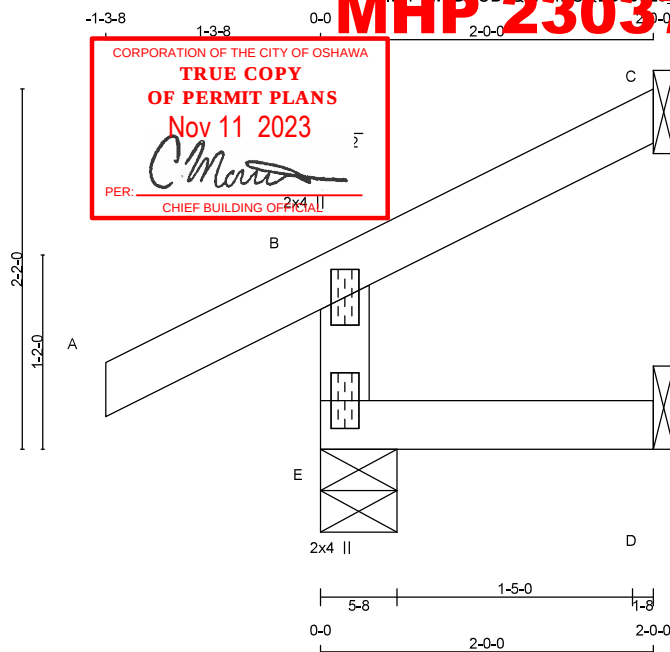


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ENGINEERING NOTES: TRUSSES. THE NOTE PAGE
IS AN INTEGRAL PART OF THIS DRAWING AS IT
CONTAINS SPECIFICATIONS AND CRITERIA USED
IN THE DESIGN OF THIS COMPONENT.**



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-124	J08	4	1	TRUSS DESC.	VILLA 7-3	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:23:51 2023 Page 1



Scale = 1:13.9

TOTAL WEIGHT = 4 X 7 = 30 lb

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**

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
E	331	331	0	5-8
C	90	90	0	1-8
D	16	18	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	229	181 / 0	0 / 0	0 / 0	0 / 0	47 / 0	0 / 0
C	62	53 / 0	0 / 0	0 / 0	0 / 0	9 / 0	0 / 0
D	13	0 / 0	0 / 0	0 / 0	0 / 0	13 / 0	0 / 0

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

BRACINGTOP 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)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)
FR-TO					FR-TO			
E-B	-311 / 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	-13 / 0	-119.4	-119.4	0.08 (1)	6.25			
E-D	0 / 0	-18.2	-18.2	0.02 (4)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

PATTERN-LOADING CHECK APPLIED TO THIS TRUSS.

DESIGN CRITERIA**SPECIFIED LOADS:**

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

SPACING = 24.0 IN. C/C

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

THIS DESIGN COMPLIES WITH:

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

DESIGN ASSUMPTIONS

-OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 48.1 P.S.F., G.S.L. PLUS 8.4 P.S.F. RAIN LOAD)
EQUALS 34.8 P.S.F. SPECIFIED ROOF LIVE LOADALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.00")CSI: TC=0.16/0.97 (A-B:1) , BC=0.02/0.97 (D-E:4) ,
WB=0.00/0.97 (n/a:0) , SSI=0.11/1.00 (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
(PL)	(PSI)	(PL)	(PL)
MT20	650	371	1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

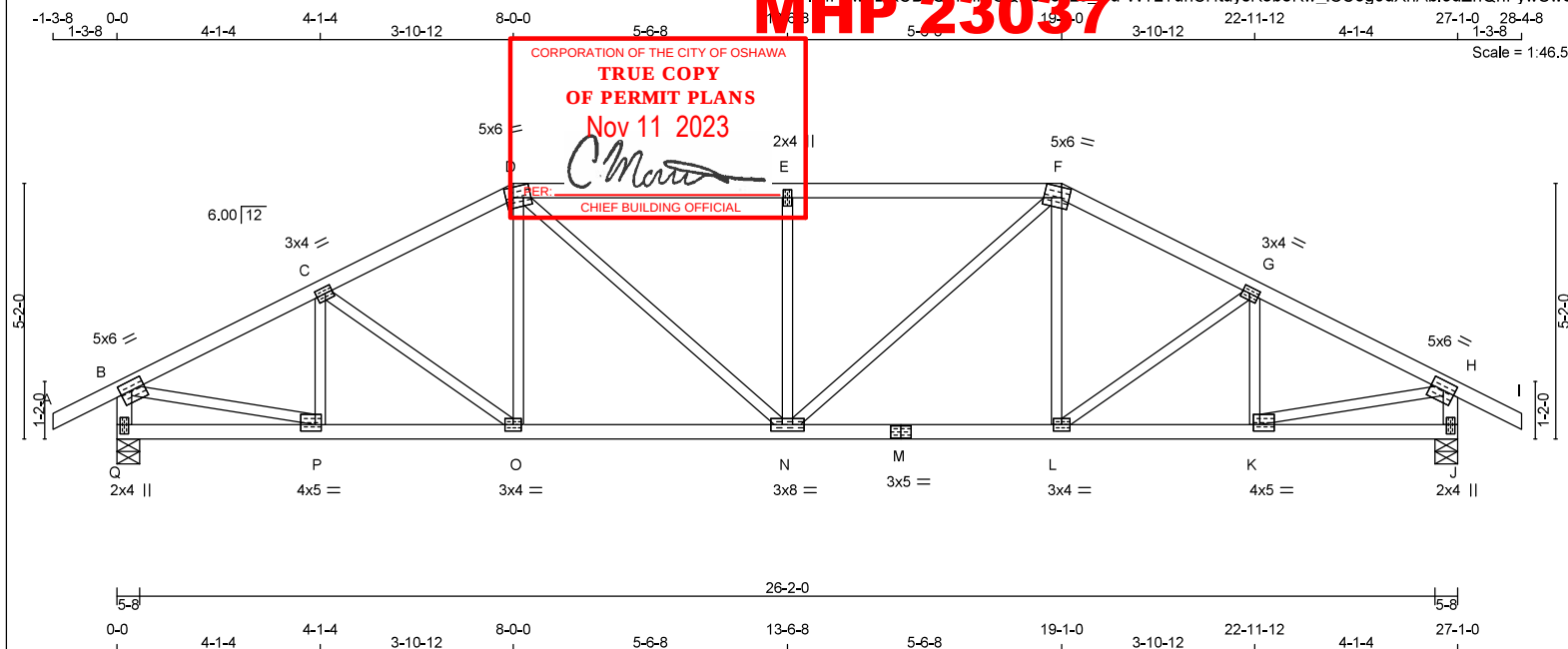
JSI GRIP= 0.17 (B) (INPUT = 0.90)
JSI METAL= 0.13 (B) (INPUT = 1.00)

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



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-124	T01	1	1	TRUSS DESC.	VILLA 7-3	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:23:51 2023 Page 1

**LUMBER**

N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - D	2x4	DRY	No.2
D - F	2x4	DRY	No.2
F - I	2x4	DRY	No.2
Q - B	2x4	DRY	No.2
J - H	2x4	DRY	No.2
Q - M	2x4	DRY	No.2
M - J	2x4	DRY	No.2

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW4	MT20	5.0	6.0	2.25	2.75
C	TMVW4	MT20	3.0	4.0	1.50	1.75
D	TMVW4	MT20	3.0	4.0	1.50	1.75
E	TMVW4	MT20	5.0	6.0	2.50	1.75
F	TMVW4	MT20	2.0	4.0		
G	TMVW4	MT20	5.0	6.0	2.50	1.75
H	TMVW4	MT20	3.0	4.0	1.50	1.75
J	TMVW4	MT20	5.0	6.0	2.25	2.75
K	BMV1+p	MT20	2.0	4.0	2.25	1.00
L	BMVW4	MT20	4.0	5.0	1.50	1.50
M	BMVW4	MT20	3.0	4.0		
N	BS4	MT20	3.0	5.0		
O	BMVW4	MT20	3.0	8.0		
P	BMVW4	MT20	3.0	4.0		
Q	BMVW4	MT20	4.0	5.0	1.50	1.50
R	BMV1+p	MT20	2.0	4.0	2.25	1.00

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

	FACTORED	GROSS REACTION	MAXIMUM FACTORED	GROSS REACTION	INPUT	REQD
	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX
JT	2026	0	2026	0	0	5-8
Q	2026	0	2026	0	0	5-8
J	2026	0	2026	0	0	5-8

UNFACTORED REACTIONS

	1ST CASE	MAX. MIN. COMPONENT REACTIONS
	COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
JT	1414	1037 / 0 0 / 0 0 / 0 0 / 0 376 / 0 0 / 0
Q	1414	1037 / 0 0 / 0 0 / 0 0 / 0 376 / 0 0 / 0
J	1414	1037 / 0 0 / 0 0 / 0 0 / 0 376 / 0 0 / 0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.58 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. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)	MEMB.	MAX. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)
FR-TO				FR-TO			
A-B	0 / 36	-119.4	-119.4 0.16 (1)	10.00	P-C	-419 / 0	0.08 (1)
B-C	-2549 / 0	-119.4	-119.4 0.30 (1)	4.03	C-O	-168 / 0	0.07 (1)
C-D	-2446 / 0	-119.4	-119.4 0.29 (1)	4.11	O-D	0 / 198	0.04 (1)
D-E	-2685 / 0	-119.4	-119.4 0.57 (1)	3.58	D-N	0 / 687	0.15 (1)
E-F	-2685 / 0	-119.4	-119.4 0.57 (1)	3.58	N-E	-811 / 0	0.32 (1)
F-G	-2446 / 0	-119.4	-119.4 0.29 (1)	4.11	N-F	0 / 687	0.15 (1)
G-H	-2549 / 0	-119.4	-119.4 0.30 (1)	4.03	L-F	0 / 198	0.04 (1)
H-I	0 / 36	-119.4	-119.4 0.16 (1)	10.00	L-G	-168 / 0	0.07 (1)
Q-B	-1988 / 0	0.0	0.0 0.20 (1)	5.91	K-G	-419 / 0	0.08 (1)
J-H	-1988 / 0	0.0	0.0 0.20 (1)	5.91	B-P	0 / 2350	0.53 (1)
					K-H	0 / 2350	0.53 (1)
Q-P	0 / 0	-18.2	-18.2 0.07 (4)	10.00			
P-O	0 / 2301	-18.2	-18.2 0.42 (1)	10.00			
O-N	0 / 2169	-18.2	-18.2 0.40 (1)	10.00			
N-M	0 / 2169	-18.2	-18.2 0.40 (1)	10.00			
M-L	0 / 2169	-18.2	-18.2 0.40 (1)	10.00			
L-K	0 / 2301	-18.2	-18.2 0.42 (1)	10.00			
K-J	0 / 0	-18.2	-18.2 0.07 (4)	10.00			

DESIGN CRITERIA**SPECIFIED LOADS:**

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

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF 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 LOADALLOWABLE DEFL.(LL) = L/360 (0.90")
CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
ALLOWABLE DEFL.(TL) = L/360 (0.90")
CALCULATED VERT. DEFL.(TL) = L/999 (0.21")CSI: TC=0.57/0.97 (D-E:1), BC=0.42/0.97 (K-L:1),
WB=0.53/0.97 (H-K:1), SS=0.32/1.00 (D-E:1)DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10
SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PL)	(PL)	(PL)	(PL)
MT20	650	371	1747
			788
			1987
			1873

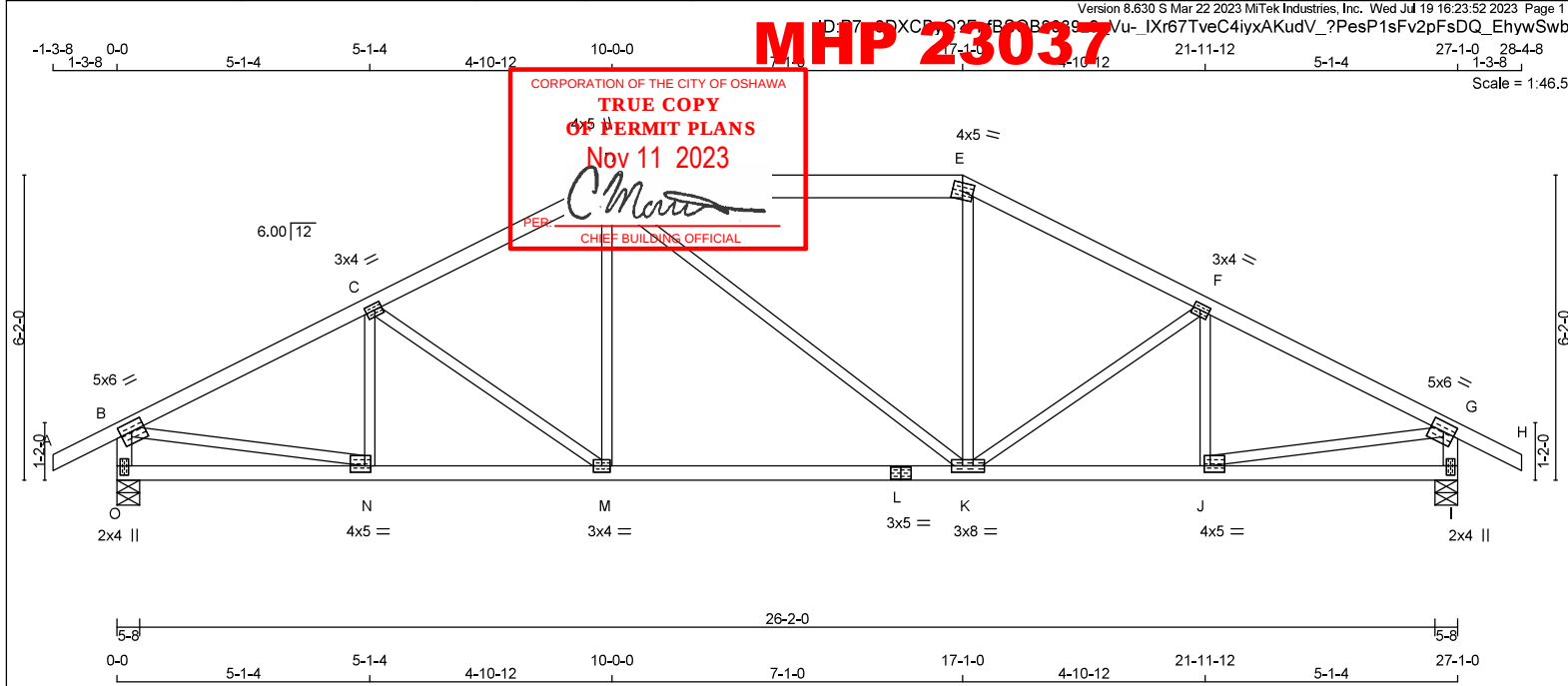
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.88 (P) (INPUT = 0.90)
JSI METAL = 0.69 (M) (INPUT = 1.00)

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.





<u>LUMBER</u>				
N. L. G. A. RULES				
CHORDS		SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - E	2x6	DRY	No.2	SPF
E - H	2x4	DRY	No.2	SPF
O - B	2x4	DRY	No.2	SPF
O - L	2x4	DRY	No.2	SPF
L - I	2x4	DRY	No.2	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
DRY: SEASONED LUMBER.				

PLATES (table is in inches)		W	LEN	Y	X
UT	TYPE PLATES	5.0	6.0	2.25	2.75
B	TMWW-H	MT20	4.0	1.50	1.75
C	TMWW-H	MT20	3.0	4.0	2.25
D	TTWW+M	MT20	4.0	5.0	2.00
E	TTW-M	MT20	4.0	5.0	
F	TMWW-H	MT20	3.0	4.0	1.50
G	TMWW-H	MT20	5.0	6.0	2.25
I	BMV1+p	MT20	2.0	4.0	1.25
J	BMWW-H	MT20	4.0	5.0	1.50
K	BMWWWW-H	MT20	3.0	8.0	
L	BS4	MT20	3.0	5.0	
M	BMWW-H	MT20	3.0	4.0	
N	BMWW-H	MT20	4.0	5.0	1.50
O	BMV1+p	MT20	2.0	4.0	1.25

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
O	2026	0	2026	0	0	5-8	3-1
I	2026	0	2026	0	0	5-8	3-1

UNFACTORED REACTIONS						
1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
IT	COMBINED	SNOW	LIVE	DEAD	WIND	SOIL

JO	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	1414	1037 / 0	0 / 0	0 / 0	0 / 0	376 / 0	0 / 0
I	1414	1037 / 0	0 / 0	0 / 0	0 / 0	376 / 0	0 / 0

BEARING MATERIAL TO BE SPE NO 2 OR BETTER AT JOINT(S) Q 1

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.78 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING
TOTAL LOAD CASES: (4)

C H O R D S				W E B S				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. UNBRAC (PLF)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX FACTORED CSI (LC)	
FR-TO		FROM	TO	LENGTH	FR-TO			
A-B	0 / 36	-119.4	-119.4	0.16 (1)	10.00	N-C	-317 / 0	0.07 (1)
B-C	-2618 / 0	-119.4	-119.4	0.47 (1)	3.78	C-M	-410 / 0	0.24 (1)
C-D	-2300 / 0	-119.4	-119.4	0.44 (1)	4.03	M-D	0 / 358	0.08 (1)
D-E	-2029 / 0	-119.4	-119.4	0.40 (1)	5.14	D-K	0 / 0	0.00 (1)
E-F	-2301 / 0	-119.4	-119.4	0.44 (1)	4.03	K-E	0 / 359	0.08 (1)
F-G	-2618 / 0	-119.4	-119.4	0.47 (1)	3.78	K-F	-408 / 0	0.24 (1)
G-H	0 / 36	-119.4	-119.4	0.16 (1)	10.00	J-F	-318 / 0	0.07 (1)
C-B	-1982 / 0	0.0	0.0	0.20 (1)	5.91	B-N	0 / 2402	0.54 (1)
I-G	-1982 / 0	0.0	0.0	0.20 (1)	5.91	J-G	0 / 2402	0.54 (1)
Q-N	0 / 0	-18.2	-18.2	0.10 (4)	10.00			
N-M	0 / 2369	-18.2	-18.2	0.47 (1)	10.00			
M-L	0 / 2029	-18.2	-18.2	0.42 (1)	10.00			
L-K	0 / 2029	-18.2	-18.2	0.42 (1)	10.00			
K-J	0 / 2369	-18.2	-18.2	0.47 (1)	10.00			
J-I	0 / 0	-18.2	-18.2	0.10 (4)	10.00			

DESIGN CRITERIA

SPACING = 24.0 IN. C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF 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 (0.90")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.10")
ALLOWABLE DEFL.(TL)= L/360 (0.90")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.21")

CSI: TC=0.47/0.97 (B-C:1), BC=0.47/0.97 (J-K:1),
WB=0.54/0.97 (B-N:1), SSI=0.26/1.00 (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

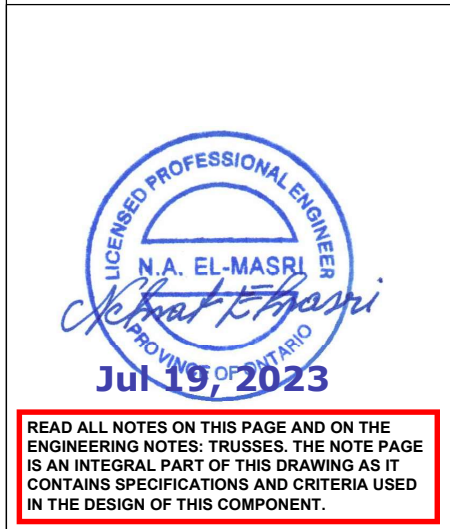
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE
FOR QUALITY CONTROL IN THE TRUSS
MANUFACTURING PLANT .

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

PLATE PLACEMENT TOL. = 0.250 inches

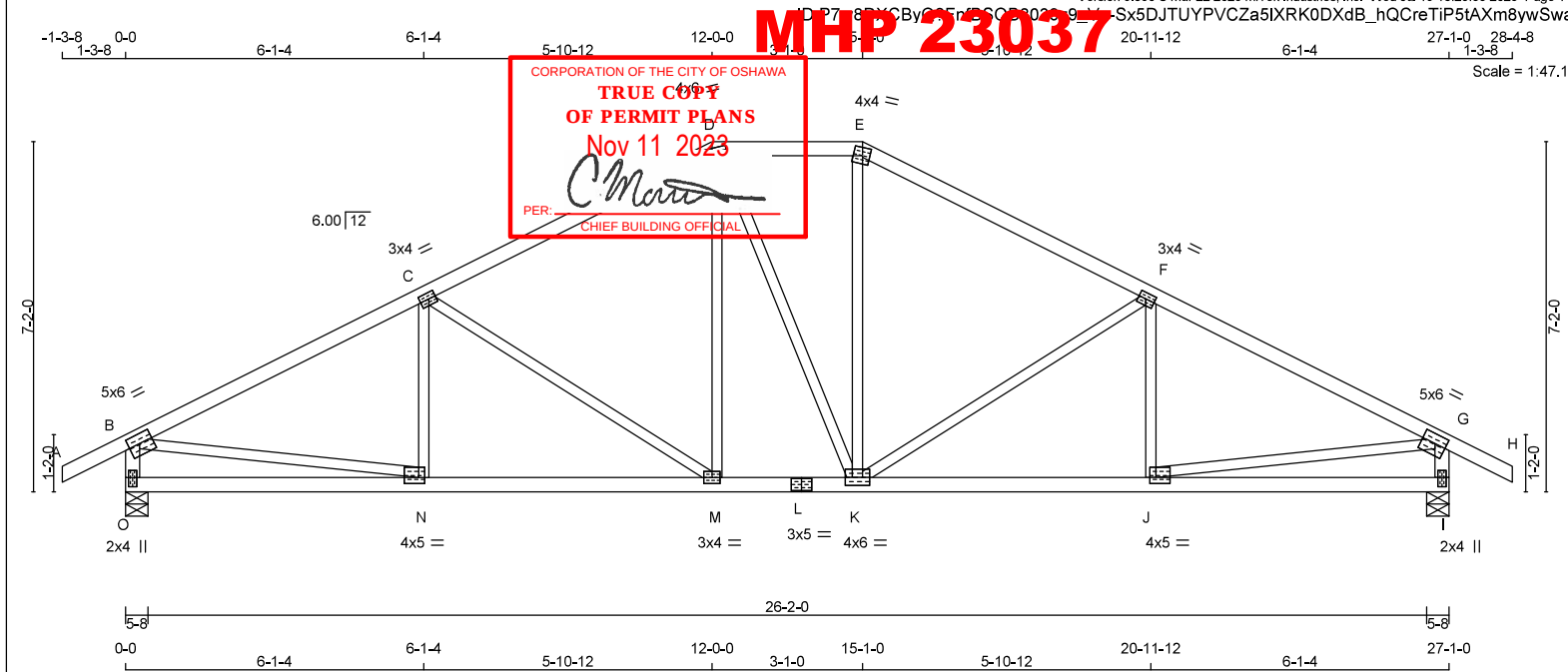
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (D) (INPUT = 0.90)
JSI METAL= 0.68 (N) (INPUT = 1.00)



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-124	T03	1	1	TRUSS DESC.	VILLA 7-3	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:23:53 2023 Page 1



TOTAL WEIGHT = 113 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - D	2x4	DRY	No.2
D - E	2x4	DRY	No.2
E - H	2x4	DRY	No.2
O - B	2x4	DRY	No.2
I - G	2x4	DRY	No.2
O - L	2x4	DRY	No.2
L - I	2x4	DRY	No.2

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW4	MT20	5.0	6.0	2.25	2.75
C	TMVW4	MT20	3.0	4.0	1.50	1.75
D	TTWV-m	MT20	4.0	6.0	1.75	2.25
E	TTWV-m	MT20	4.0	4.0	2.00	1.75
F	TMVW4	MT20	3.0	4.0	1.50	1.75
G	TMVW4	MT20	5.0	6.0	2.25	2.75
I	BMV1+p	MT20	2.0	4.0	2.25	1.00
J	BMVW4	MT20	4.0	5.0	1.50	1.50
K	BMVW4	MT20	4.0	6.0		
L	BS4	MT20	3.0	5.0		
M	BMVW4	MT20	3.0	4.0		
N	BMVW4	MT20	4.0	5.0	1.50	1.50
O	BMV1+p	MT20	2.0	4.0	2.25	1.00

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

	FACTORED	MAXIMUM FACTORED	INPUT	REQRD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
O	2026	0	2026	0
I	2026	0	2026	0

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
O	1414	1037 / 0	0 / 0	0 / 0	0 / 0	376 / 0	0 / 0
I	1414	1037 / 0	0 / 0	0 / 0	0 / 0	376 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.43 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. FACTORED (CSI (LC))	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED (CSI (LC))	
FR-TO		FROM	TO	FR-TO			
A-B	0 / 36	-119.4	-119.4 0.16 (1)	10.00	N-C	-216 / 53	0.06 (1)
B-C	-2643 / 0	-119.4	-119.4 0.69 (1)	3.43	C-M	-698 / 0	0.69 (1)
C-D	-2066 / 0	-119.4	-119.4 0.62 (1)	3.92	M-D	0 / 456	0.10 (1)
D-E	-1821 / 0	-119.4	-119.4 0.18 (1)	4.77	D-K	0 / 4	0.00 (1)
E-F	-2068 / 0	-119.4	-119.4 0.62 (1)	3.92	K-E	0 / 460	0.10 (1)
F-G	-2642 / 0	-119.4	-119.4 0.69 (1)	3.43	K-F	-696 / 0	0.69 (1)
G-H	0 / 36	-119.4	-119.4 0.16 (1)	10.00	J-F	-218 / 52	0.06 (1)
O-B	-1979 / 0	0.0	0.0 0.20 (1)	5.92	B-N	0 / 2421	0.54 (1)
I-G	-1978 / 0	0.0	0.0 0.20 (1)	5.92	J-G	0 / 2421	0.54 (1)
O-N	0 / 0	-18.2	-18.2 0.16 (4)	10.00			
N-M	0 / 2398	-18.2	-18.2 0.45 (1)	10.00			
M-L	0 / 1819	-18.2	-18.2 0.35 (1)	10.00			
L-K	0 / 1819	-18.2	-18.2 0.35 (1)	10.00			
K-J	0 / 2397	-18.2	-18.2 0.45 (1)	10.00			
J-I	0 / 0	-18.2	-18.2 0.16 (4)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN./C/C

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF 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 (0.90")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.11")
 ALLOWABLE DEFL.(TL)= L/360 (0.90")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.20")

CSI: TC=0.69/0.97 (B-C:1) , BC=0.45/0.97 (M-N:1) , WB=0.69/0.97 (C-M:1) , SSI=0.31/1.00 (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 (PLD)
 (PSI) (PLD)
 MAX MIN MAX MIN MAX MIN
 MT20 650 371 1747 788 1987 1873

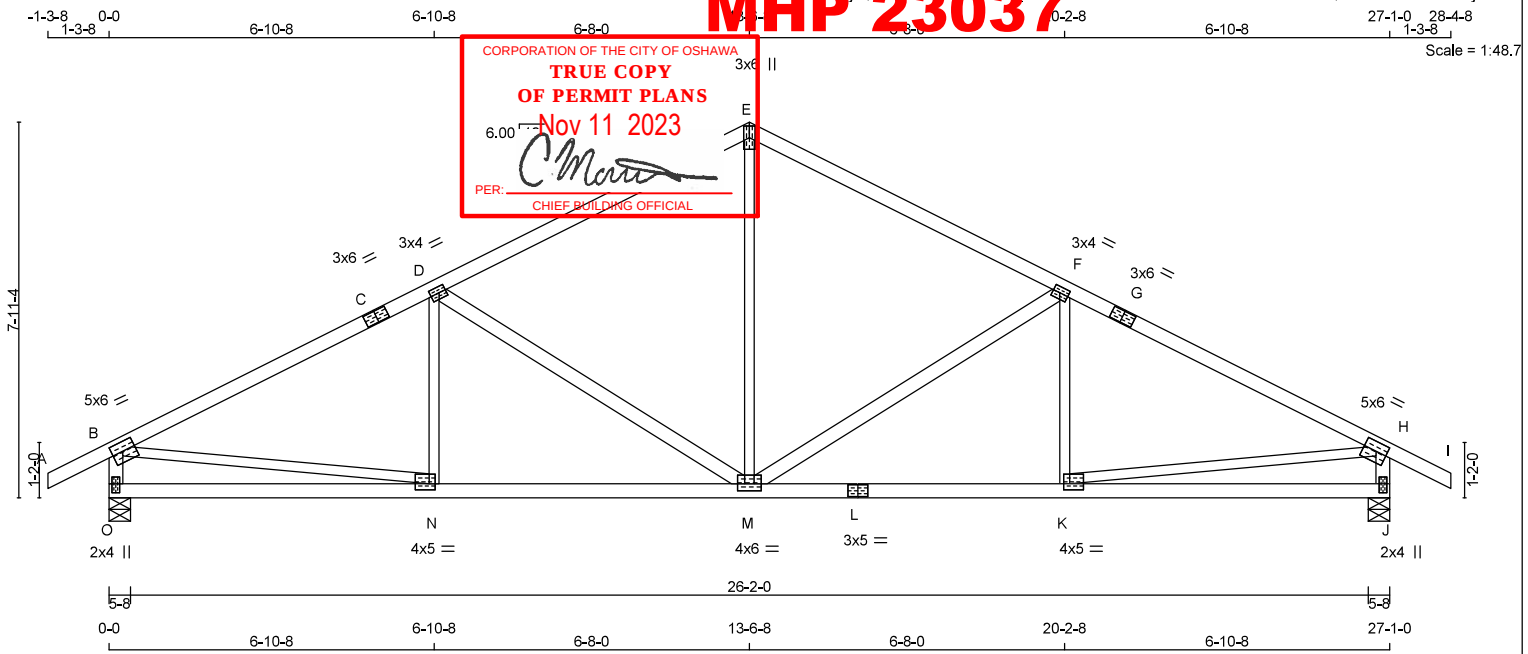
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL = 0.68 (N) (INPUT = 1.00)

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.





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

DRY: SEASONED LUMBER.

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW4	MT20	5.0	6.0	2.25	2.75
C	TS-4		3.0	6.0		
D	TMVW4	MT20	3.0	4.0	1.50	1.75
E	TTW+p	MT20	3.0	6.0		
F	TMVW4	MT20	3.0	4.0	1.50	1.75
G	TS-4	MT20	3.0	6.0		
H	TMVW4	MT20	5.0	6.0	2.25	2.75
J	TS4+1p	MT20	2.0	4.0	1.50	
K	BMVW4	MT20	4.0	5.0	1.50	1.50
L	BS4	MT20	3.0	5.0		
M	BMVW4	MT20	4.0	6.0	1.75	3.00
N	BMVW4	MT20	4.0	5.0	1.50	1.50
O	BMV1+p	MT20	2.0	4.0	2.25	1.00

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

DESIGNER						
BEARINGS						
FACTORED			MAXIMUM FACTORED			INPUT
GROSS REACTION			GROSS REACTION			BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX
O	2026	0	2026	0	0	5-8
J	2026	0	2026	0	0	3-1
O	2026	0	2026	0	0	5-8
J	2026	0	2026	0	0	3-1

UNFACTORED REACTIONS							
JT	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1414	1037 / 0	0 / 0	0 / 0	0 / 0	376 / 0	0 / 0
J	1414	1037 / 0	0 / 0	0 / 0	0 / 0	376 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.95 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 LOCAL CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO		FR-TO			
A-B	0 / 36	-119.4	-119.4	0.16 (1)	10.00	M-E	0 / 1065
B-C	-2635 / 0	-119.4	-119.4	0.91 (1)	2.95	M-F	-871 / 0
C-D	-2635 / 0	-119.4	-119.4	0.91 (1)	2.95	K-F	-166 / 76
D-E	-1904 / 0	-119.4	-119.4	0.79 (1)	3.65	D-M	-871 / 0
E-F	-1904 / 0	-119.4	-119.4	0.79 (1)	3.65	N-D	-166 / 76
F-G	-2635 / 0	-119.4	-119.4	0.91 (1)	2.95	B-N	0 / 2414
G-H	-2635 / 0	-119.4	-119.4	0.91 (1)	2.95	K-H	0 / 2414
H-I	0 / 36	-119.4	-119.4	0.16 (1)	10.00		
O-B	-1973 / 0	0.0	0.0	0.20 (1)	5.92		
J-H	-1973 / 0	0.0	0.0	0.20 (1)	5.92		
O-N	0 / 0	-18.2	-18.2	0.20 (4)	10.00		
N-M	0 / 2395	-18.2	-18.2	0.47 (1)	10.00		
M-L	0 / 2395	-18.2	-18.2	0.47 (1)	10.00		
L-K	0 / 2395	-18.2	-18.2	0.47 (1)	10.00		
K-J	0 / 0	-18.2	-18.2	0.20 (4)	10.00		

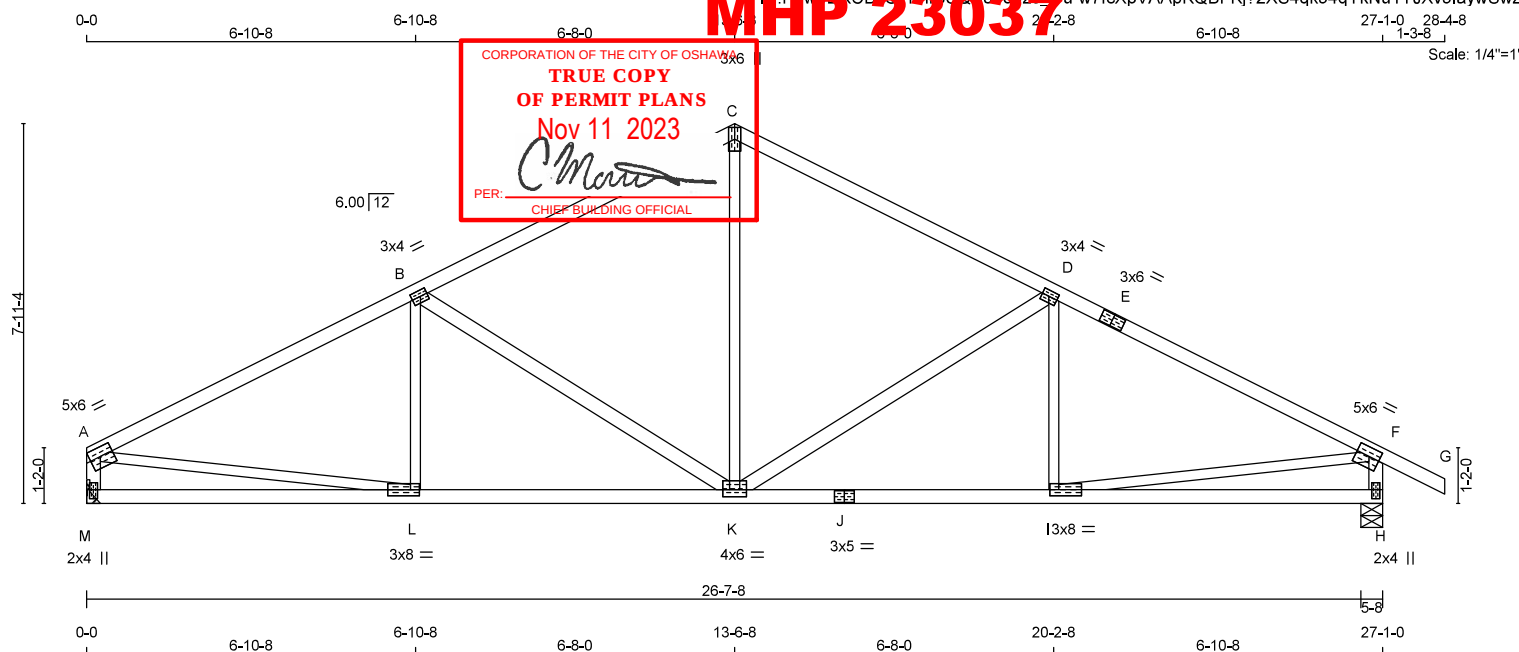


**READ ALL NOTES ON THIS PAGE AND ON THE
ENGINEERING NOTES: TRUSSES. THE NOTE PAGE
IS AN INTEGRAL PART OF THIS DRAWING AS IT
CONTAINS SPECIFICATIONS AND CRITERIA USED
IN THE DESIGN OF THIS COMPONENT.**



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-124	T05	1	1	TRUSS DESC.	VILLA 7-3	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:23:54 2023 Page 1



TOTAL WEIGHT = 110 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
E - G	2x4	DRY	No.2
M - A	2x4	DRY	No.2
H - F	2x4	DRY	No.2
M - J	2x4	DRY	No.2
J - H	2x4	DRY	No.2

ALL WEBS	2x3	DRY	No.2
EXCEPT			
K - D	2x4	DRY	No.2
B - K	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW4	MT20	5.0	6.0	2.25	Edge
B	TMVW4	MT20	3.0	4.0	1.50	1.75
C	TTW+p	MT20	3.0	6.0		
D	TMVW4	MT20	3.0	4.0	1.50	1.75
E	TS4	MT20	3.0	6.0		
F	TMVW4	MT20	5.0	6.0	2.25	2.75
H	BMV1+p	MT20	2.0	4.0	2.25	1.00
I	BMVW4	MT20	3.0	8.0	1.50	2.25
J	BS4	MT20	3.0	5.0		
K	BMVW4	MT20	4.0	6.0	1.75	3.00
L	BMVW4	MT20	3.0	8.0	1.50	2.25
M	BMV1+p	MT20	2.0	4.0	2.25	1.00

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES
EDGE OF CHORD.**DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING****DESIGNER****BEARINGS**

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
M	1864	0	1864	0
H	2026	0	2026	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT M. MINIMUM BEARING LENGTH AT JOINT M = 2-9.

UNFACTORED REACTIONS

1ST LCASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
M	1303	943 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0
H	1414	1037 / 0	0 / 0	0 / 0	0 / 0	376 / 0	0 / 0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.95 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

C H O R D S				W E B S			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. VERT. LOAD (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. VERT. LOAD (LC)	
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	-2635 / 0	-119.4	-119.4 0.91 (1)	2.95	K-C	0 / 1065	0.24 (1)
B-C	-1904 / 0	-119.4	-119.4 0.79 (1)	3.65	K-D	-871 / 0	0.81 (1)
C-D	-1904 / 0	-119.4	-119.4 0.79 (1)	3.65	I-D	-166 / 76	0.05 (1)
D-E	-2635 / 0	-119.4	-119.4 0.91 (1)	2.95	B-K	-871 / 0	0.81 (1)
E-F	-2635 / 0	-119.4	-119.4 0.91 (1)	2.95	L-B	-166 / 76	0.05 (1)
F-G	0 / 36	-119.4	-119.4 0.16 (1)	10.00	A-L	0 / 2414	0.54 (1)
M-A	-1811 / 0	0.0	0.0 0.18 (1)	6.13	I-F	0 / 2414	0.54 (1)
H-F	-1973 / 0	0.0	0.0 0.20 (1)	5.92			
M-L	0 / 0	-18.2	-18.2 0.20 (4)	10.00			
L-K	0 / 2395	-18.2	-18.2 0.47 (1)	10.00			
K-J	0 / 2395	-18.2	-18.2 0.47 (1)	10.00			
J-I	0 / 2395	-18.2	-18.2 0.47 (1)	10.00			
I-H	0 / 0	-18.2	-18.2 0.20 (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 = 2.40 IN./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

(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 LOADALLOWABLE DEFL.(LL)= L/360 (0.90")
CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
ALLOWABLE DEFL.(TL)= L/360 (0.90")
CALCULATED VERT. DEFL.(TL) = L/999 (0.21")CSI: TC=0.91/0.97 (A-B:1) , BC=0.47/0.97 (K-L:1) ,
WB=0.81/0.97 (B-K:1) , SSI=0.35/1.00 (D-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)	(PLI)
MT20	650	371	1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (A) (INPUT = 0.90)
JSI METAL = 0.74 (J) (INPUT = 1.00)

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

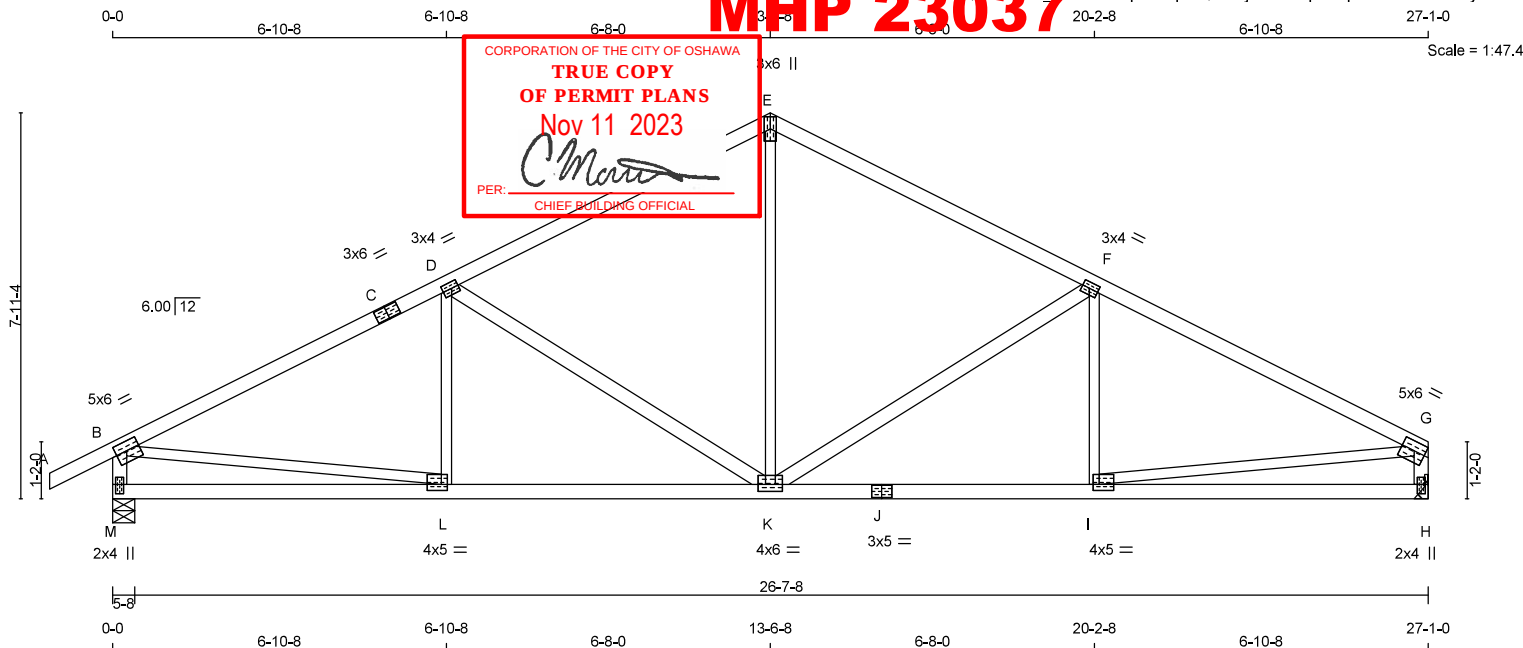


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES - VILLA 7-3	DRWG NO.
NE0723-124	T06	2	1	TRUSS DESC.		

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:23:54 2023 Page 1

MHP 23037

CORPORATION OF THE CITY OF OSHAWA
**TRUE COPY
 OF PERMIT PLANS**
 Nov 11 2023
 PER: *C. Morris*
 CHIEF BUILDING OFFICIAL



TOTAL WEIGHT = 2 X 110 = 219 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
E - G	2x4	DRY	No.2
M - B	2x4	DRY	No.2
H - G	2x4	DRY	No.2
M - J	2x4	DRY	No.2
J - H	2x4	DRY	No.2

ALL WEBS	2x3	DRY	No.2
EXCEPT			
K - F	2x4	DRY	No.2
D - K	2x4	DRY	No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW4	MT20	5.0	6.0	2.25	2.75
C	TS4	MT20	3.0	6.0		
D	TMVW4	MT20	3.0	4.0	1.50	1.75
E	TTW+p	MT20	3.0	6.0		
F	TMVW4	MT20	3.0	4.0	1.50	1.75
G	TMVW4	MT20	5.0	6.0	2.25	Edge
H	BMV1+p	MT20	2.0	4.0	2.25	1.00
I	BMVW4	MT20	4.0	5.0	1.50	1.50
J	BS4	MT20	3.0	5.0		
K	BMVW4	MT20	4.0	6.0	1.75	3.00
L	BMVW4	MT20	4.0	5.0	1.50	1.50
M	BMV1+p	MT20	2.0	4.0	2.25	1.00

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES
EDGE OF CHORD.**DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING****DESIGNER****BEARINGS**

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
M	2026	0	2026	0
H	1864	0	1864	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT H. MINIMUM BEARING LENGTH AT JOINT H = 2-9.

UNFACTORED REACTIONS

1ST LCASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
M	1414	1037 / 0	0 / 0	0 / 0	0 / 0	376 / 0	0 / 0
H	1303	943 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.95 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT. OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

C H O R D S				W E B S			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. UNBRACED LENGTH FR-TO (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH FR-TO (LC)	
FR-TO							
A-B	0 / 36	-119.4	-119.4 0.16 (1)	10.00	K-E	0 / 1065	0.24 (1)
B-C	-2635 / 0	-119.4	-119.4 0.91 (1)	2.95	K-F	-871 / 0	0.81 (1)
C-D	-2635 / 0	-119.4	-119.4 0.91 (1)	2.95	I-F	-166 / 76	0.05 (1)
D-E	-1904 / 0	-119.4	-119.4 0.79 (1)	3.65	D-K	-871 / 0	0.81 (1)
E-F	-1904 / 0	-119.4	-119.4 0.79 (1)	3.65	L-D	-166 / 76	0.05 (1)
F-G	-2635 / 0	-119.4	-119.4 0.91 (1)	2.95	B-L	0 / 2414	0.54 (1)
M-B	-1973 / 0	0.0	0.0 0.20 (1)	5.92	I-G	0 / 2414	0.54 (1)
H-G	-1811 / 0	0.0	0.0 0.18 (1)	6.13			
M-L	0 / 0	-18.2	-18.2 0.20 (4)	10.00			
L-K	0 / 2395	-18.2	-18.2 0.47 (1)	10.00			
K-J	0 / 2395	-18.2	-18.2 0.47 (1)	10.00			
J-I	0 / 2395	-18.2	-18.2 0.47 (1)	10.00			
I-H	0 / 0	-18.2	-18.2 0.20 (4)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN./C

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 (0.90")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
 ALLOWABLE DEFL.(TL) = L/360 (0.90")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.21")

CSI: TC=0.91/0.97 (F-G:1), BC=0.47/0.97 (I-K:1),
WB=0.81/0.97 (F-K:1), SSI=0.35/1.00 (B-D:1)DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10
SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

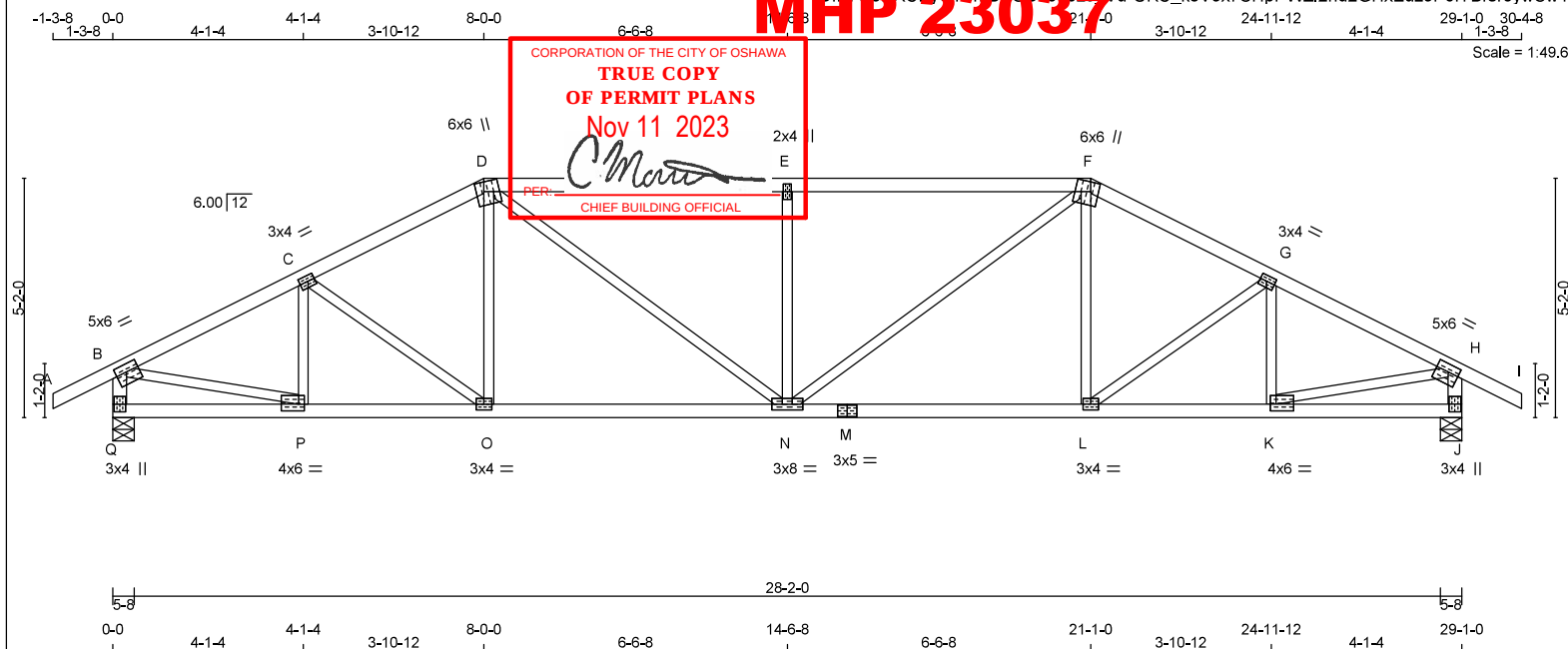
JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL = 0.74 (J) (INPUT = 1.00)

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



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-124	T07	1	1	TRUSS DESC.	VILLA 7-3	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:23:55 2023 Page 1

**LUMBER**

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW4	MT20	5.0	6.0	2.00	2.75
C	TMVW4	MT20	3.0	4.0	1.50	1.75
D	TTVW+m	MT20	6.0	6.0	2.50	2.00
E	TMVW+m	MT20	2.0	4.0		
F	TTVW+m	MT20	6.0	6.0	2.50	2.00
G	TMVW4	MT20	3.0	4.0	1.50	1.75
H	TMVW4	MT20	5.0	6.0	2.00	2.75
J	BMV1+p	MT20	3.0	4.0		
K	BMVW4	MT20	4.0	6.0	1.75	1.50
L	BMVW4	MT20	3.0	4.0		
M	BS4	MT20	3.0	5.0		
N	BMVW4	MT20	3.0	8.0		
O	BMVW4	MT20	3.0	4.0		
P	BMVW4	MT20	4.0	6.0	1.75	1.50
Q	BMV1+p	MT20	3.0	4.0		

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

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
Q	2164	0	2164	0
J	2164	0	2164	0

UNFACTORED REACTIONS

	1ST CASE	MAX. MIN. COMPONENT REACTIONS
	COMBINED	SNOW
Q	1510	1107 / 0
J	1510	1107 / 0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.86 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. FACTORED (LC) (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED (LC) (LBS)	
FR-TO				FR-TO			
A-B	0 / 36	-119.4	-119.4 0.16 (1)	P-C	-465 / 0	0.09 (1)	
B-C	-2764 / 0	-119.4	-119.4 0.32 (1)	C-D	-121 / 0	0.05 (1)	
C-D	-2703 / 0	-119.4	-119.4 0.31 (1)	D-E	0 / 183	0.04 (4)	
D-E	-3121 / 0	-119.4	-119.4 0.84 (1)	E-F	0 / 902	0.20 (1)	
E-F	-3121 / 0	-119.4	-119.4 0.84 (1)	F-G	-961 / 0	0.38 (1)	
F-G	-2703 / 0	-119.4	-119.4 0.31 (1)	G-H	0 / 902	0.20 (1)	
G-H	-2764 / 0	-119.4	-119.4 0.32 (1)	H-I	0 / 183	0.04 (4)	
H-I	0 / 36	-119.4	-119.4 0.16 (1)	I-J	-121 / 0	0.05 (1)	
Q-B	-2124 / 0	0.0	0.0 0.21 (1)	J-K	-465 / 0	0.09 (1)	
J-H	-2124 / 0	0.0	0.0 0.21 (1)	K-P	0 / 2546	0.57 (1)	
				P-O	0 / 2546	0.57 (1)	
Q-P	0 / 0	-18.2	-18.2 0.07 (4)	O-N			
P-O	0 / 2492	-18.2	-18.2 0.47 (1)	N-M			
O-N	0 / 2398	-18.2	-18.2 0.46 (1)	M-L			
N-M	0 / 2398	-18.2	-18.2 0.46 (1)	L-K			
M-L	0 / 2398	-18.2	-18.2 0.46 (1)	K-J			
L-K	0 / 2492	-18.2	-18.2 0.47 (1)				
K-J	0 / 0	-18.2	-18.2 0.07 (4)				

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

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

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

THIS DESIGN COMPLIES WITH:

- PART 9 OF 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 LOADALLOWABLE DEFL.(LL) = L/360 (0.97")
CALCULATED VERT. DEFL.(LL) = L/999 (0.15")
ALLOWABLE DEFL.(TL) = L/360 (0.97")
CALCULATED VERT. DEFL.(TL) = L/999 (0.27")CSI: TC=0.84/0.97 (D-E:1) , BC=0.47/0.97 (K-L:1) ,
WB=0.57/0.97 (H-K:1) , SS=0.38/1.00 (D-E:1)DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10
SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PS)	(PL)	(PS)	(PL)
MT20	650	371	1747

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

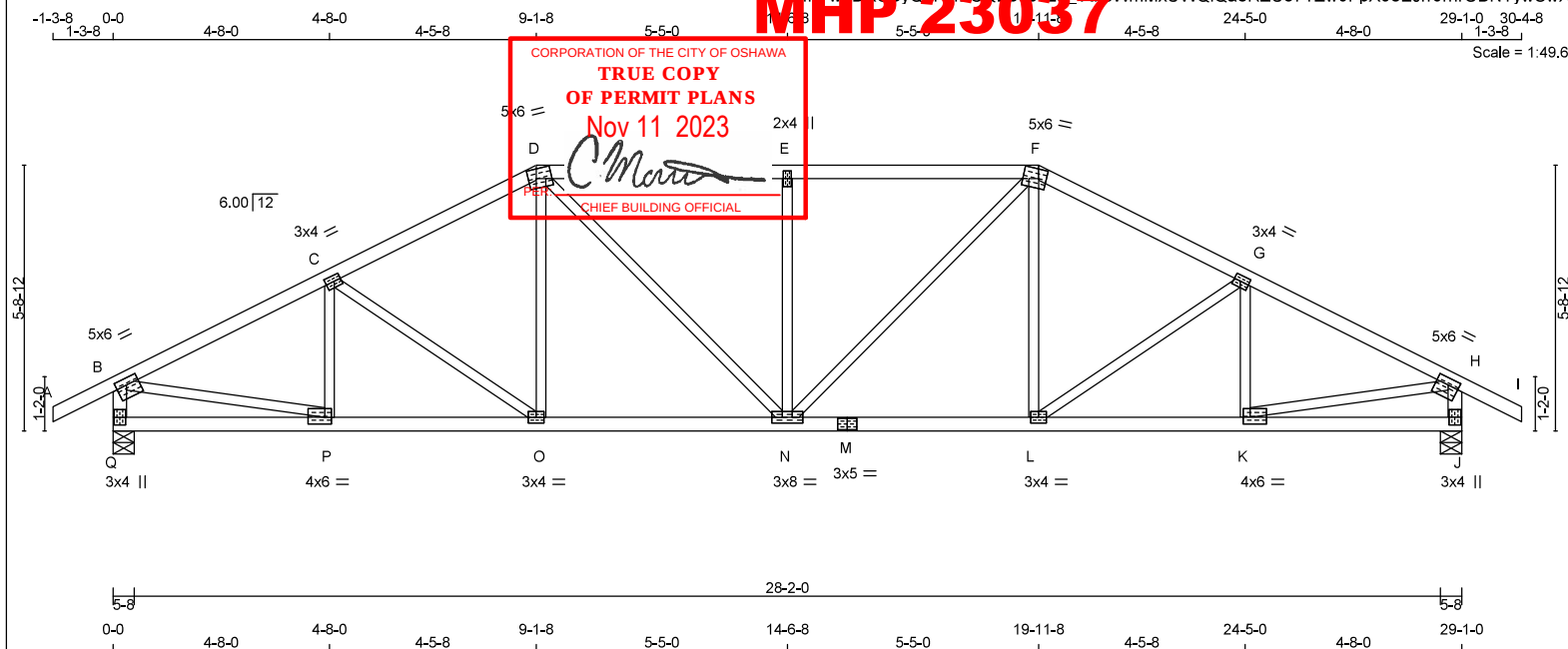
JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL = 0.70 (M) (INPUT = 1.00)

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



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-124	T08	1	1	TRUSS DESC.	VILLA 7-3	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:23:56 2023 Page 1



LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING				DESIGN CRITERIA			
N. L. G. A. RULES				DESIGNER				SPECIFIED LOADS:			
CHORDS	SIZE	LUMBER		BEARINGS				TOP CH. LL =	34.8	PSF	
A - D	2x4	DRY	No.2	FACTORED	MAXIMUM FACTORED	INPUT	REQD	DL =	6.0	PSF	
B	2x4	DRY	No.2	GROSS REACTION	GROSS REACTION	BRG	BRG	BOT CH. LL =	0.0	PSF	
D - F	2x4	DRY	No.2	JT VERT	HORZ	DOWN	HORZ	DL =	7.3	PSF	
F - I	2x4	DRY	No.2	Q	2164	0	2164	0	0	0	
Q - B	2x4	DRY	No.2	J	2164	0	2164	0	0	0	
J - H	2x4	DRY	No.2								
Q - M	2x4	DRY	No.2								
M - J	2x4	DRY	No.2								
ALL WEBS	2x3	DRY	No.2	UNFACTORED REACTIONS				SPACING =	24.0	IN./C	
EXCEPT				1ST CASE	MAX. MIN. COMPONENT REACTIONS						
DRY: SEASONED LUMBER.				JT COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	
				Q	1510	1107 / 0	0 / 0	0 / 0	403 / 0	0 / 0	
				J	1510	1107 / 0	0 / 0	0 / 0	403 / 0	0 / 0	

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW4	MT20	5.0	6.0	1.75	2.75
C	TMVW4	MT20	3.0	4.0	1.50	1.75
D	TMVW4	MT20	5.0	6.0	2.50	2.00
E	TMVW4	MT20	2.0	4.0		
F	TMVW4	MT20	5.0	6.0	2.50	2.00
G	TMVW4	MT20	3.0	4.0	1.50	1.75
H	TMVW4	MT20	5.0	6.0	1.75	2.75
J	BMV1+p	MT20	3.0	4.0		
K	BMVW4	MT20	4.0	6.0	1.75	1.75
L	BMVW4	MT20	3.0	4.0		
M	BS4	MT20	3.0	5.0		
N	BMVW4	MT20	3.0	8.0		
O	BMVW4	MT20	3.0	4.0		
P	BMVW4	MT20	4.0	6.0	1.75	1.75
Q	BMV1+p	MT20	3.0	4.0		

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	VERT. LOAD LC1 (PLF)	MAX. FACTORED FORCE (LBS)	VERT. LOAD LC1 (PLF)	MAX. FACTORED FORCE (LBS)	VERT. LOAD LC1 (PLF)
FR-TO							
A-B	0 / 36	-119.4	-119.4	0.16 (1)	10.00	P-C	-391 / 0
B-C	-2821 / 0	-119.4	-119.4	0.41 (1)	3.74	C-O	-286 / 0
C-D	-2616 / 0	-119.4	-119.4	0.39 (1)	3.88	O-D	0 / 264
D-E	-2759 / 0	-119.4	-119.4	0.55 (1)	3.56	D-N	0 / 624
E-F	-2759 / 0	-119.4	-119.4	0.55 (1)	3.56	N-E	-792 / 0
F-G	-2616 / 0	-119.4	-119.4	0.39 (1)	3.88	N-F	0 / 624
G-H	-2821 / 0	-119.4	-119.4	0.41 (1)	3.74	L-F	0 / 264
H-I	0 / 36	-119.4	-119.4	0.16 (1)	10.00	L-G	-286 / 0
Q-B	-2122 / 0	0.0	0.0	0.21 (1)	5.74	K-G	-391 / 0
J-H	-2122 / 0	0.0	0.0	0.21 (1)	5.74	B-P	0 / 2589
						K-H	0 / 2589
Q-P	0 / 0	-18.2	-18.2	0.08 (4)	10.00		
P-O	0 / 2547	-18.2	-18.2	0.46 (1)	10.00		
O-N	0 / 2318	-18.2	-18.2	0.43 (1)	10.00		
N-M	0 / 2318	-18.2	-18.2	0.43 (1)	10.00		
M-L	0 / 2318	-18.2	-18.2	0.43 (1)	10.00		
L-K	0 / 2547	-18.2	-18.2	0.46 (1)	10.00		
K-J	0 / 0	-18.2	-18.2	0.08 (4)	10.00		

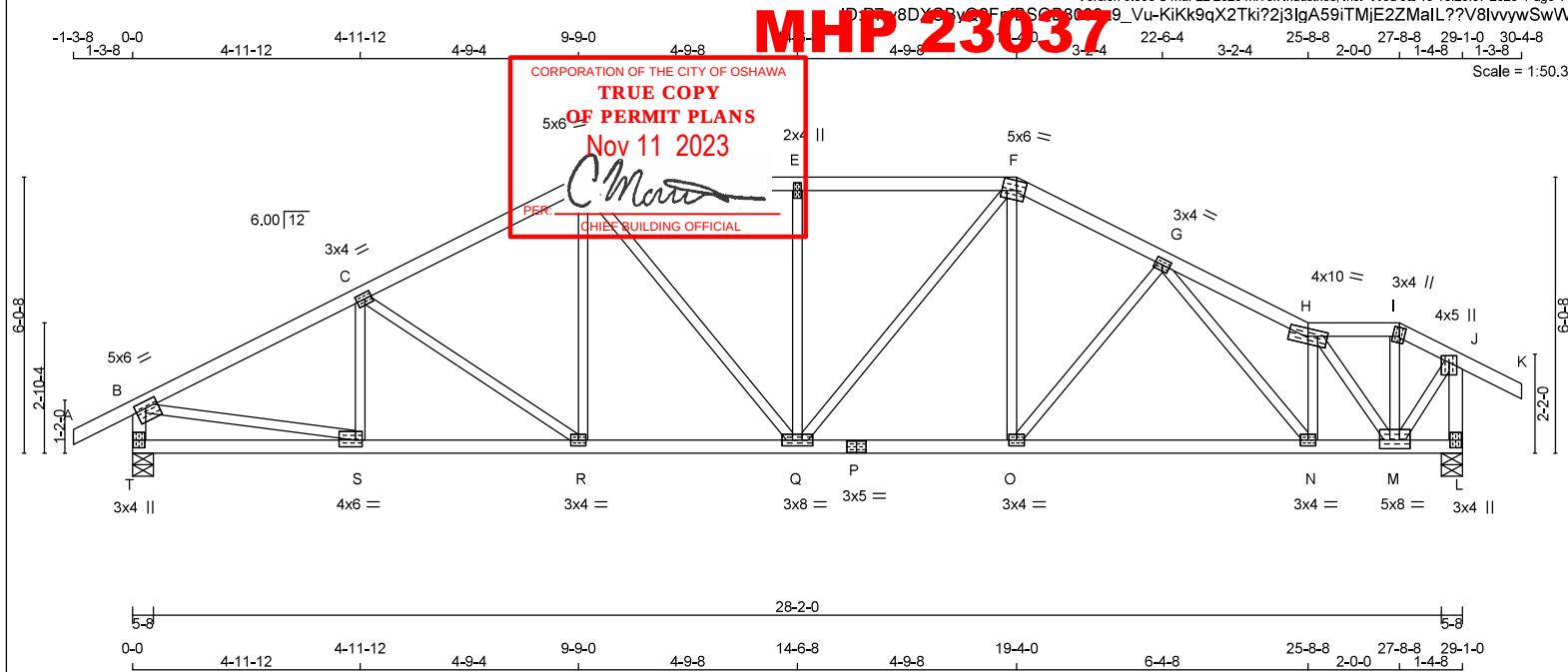


READ ALL NOTES ON THIS PAGE AND ON THE ENGINEERING NOTES: TRUSSES. THE NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-124	T09	1	1	TRUSS DESC.	VILLA 7-3	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:23:57 2023 Page 1



TOTAL WEIGHT = 127 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	No.2	SPF
F - H	2x4	DRY	No.2	SPF
H - I	2x4	DRY	No.2	SPF
I - K	2x4	DRY	No.2	SPF
L - B	2x4	DRY	No.2	SPF
L - J	2x4	DRY	No.2	SPF
T - P	2x4	DRY	No.2	SPF
P - L	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	TMVW-H	MT20	5.0	6.0	1.75	2.75
C	TMVW-H	MT20	3.0	4.0	1.50	1.75
D	TTVW-m	MT20	5.0	6.0	2.50	2.25
E	TMVW-w	MT20	2.0	4.0		
F	TTVW-m	MT20	5.0	6.0	2.50	2.25
G	TMVW-H	MT20	3.0	4.0		
H	TTVW-m	MT20	4.0	10.0		
I	TTVW-m	MT20	3.0	4.0	2.25	1.25
J	TMVW-p	MT20	4.0	5.0	1.75	2.00
L	BMV1+p	MT20	3.0	4.0		
M	BMVW-H	MT20	5.0	8.0	2.25	4.00
N, O, R						
N	BMVW-H	MT20	3.0	4.0		
P	BS4	MT20	3.0	5.0		
Q	BMVW-H	MT20	3.0	8.0		
S	BMVW-H	MT20	4.0	6.0	1.75	1.75
T	BMV1+p	MT20	3.0	4.0		

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

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
T	2160	0	2160	0
L	2168	0	2168	0

UNFACTORED REACTIONS

	1ST CASE	MAX.	MIN.	COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE	PERM. LIVE
T	1507	1105 / 0	0 / 0	0 / 0
L	1512	1109 / 0	0 / 0	0 / 0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.66 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. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FORCE (LBS)	MAX. LC1 (LC)
FR-TO		FROM	TO		FR-TO		
A-B	0 / 36	-119.4	-119.4 0.16 (1)	10.00	S-C	-354 / 0	0.08 (1)
B-C	-2836 / 0	-119.4	-119.4 0.47 (1)	3.86	C-R	-373 / 0	0.23 (1)
C-D	-2554 / 0	-119.4	-119.4 0.44 (1)	3.86	R-D	0 / 309	0.07 (1)
D-E	-2580 / 0	-119.4	-119.4 0.43 (1)	3.85	D-Q	0 / 498	0.11 (1)
E-F	-2580 / 0	-119.4	-119.4 0.43 (1)	3.85	Q-E	-697 / 0	0.40 (1)
F-G	-2539 / 0	-119.4	-119.4 0.21 (1)	4.13	Q-F	0 / 501	0.11 (1)
G-H	-2548 / 0	-119.4	-119.4 0.21 (1)	4.13	O-F	0 / 375	0.08 (1)
H-I	-1053 / 0	-119.4	-119.4 0.07 (1)	6.02	C-G	-326 / 0	0.15 (1)
I-J	-1198 / 0	-119.4	-119.4 0.13 (1)	5.68	G-N	-252 / 0	0.12 (1)
J-K	0 / 36	-119.4	-119.4 0.16 (1)	10.00	N-H	0 / 281	0.06 (1)
T-B	-2117 / 0	0.0	0.0 0.21 (1)	5.75	H-M	-2108 / 0	0.41 (1)
L-J	-2151 / 0	0.0	0.0 0.25 (1)	5.71	M-I	0 / 404	0.09 (1)
					B-S	0 / 2601	0.59 (1)
T-S	0 / 0	-18.2	-18.2 0.09 (4)	10.00	M-J	0 / 1665	0.37 (1)
S-R	0 / 2563	-18.2	-18.2 0.46 (1)	10.00			
R-Q	0 / 2261	-18.2	-18.2 0.42 (1)	10.00			
Q-P	0 / 2259	-18.2	-18.2 0.45 (1)	10.00			
P-O	0 / 2259	-18.2	-18.2 0.45 (1)	10.00			
O-N	0 / 2455	-18.2	-18.2 0.48 (1)	10.00			
N-M	0 / 2310	-18.2	-18.2 0.40 (1)	10.00			
M-L	0 / 0	-18.2	-18.2 0.02 (4)	10.00			

DESIGN CRITERIA**SPECIFIED LOADS:**

TOP CH. LL	=	34.8	PSF
DL	=	6.0	PSF
BOT CH. LL	=	8.0	PSF
DL	=	7.3	PSF
TOTAL LOAD	=	48.1	PSF

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 CBC 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 LOADALLOWABLE DEFL.(LL)= L/360 (0.97")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.12")
ALLOWABLE DEFL.(TL)= L/360 (0.97")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.22")CSI: TC=0.47/0.97 (B-C-1), BC=0.48/0.97 (N-O-1),
WB=0.59/0.97 (B-S-1), SSI=0.28/1.00 (D-E-1)DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10
SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

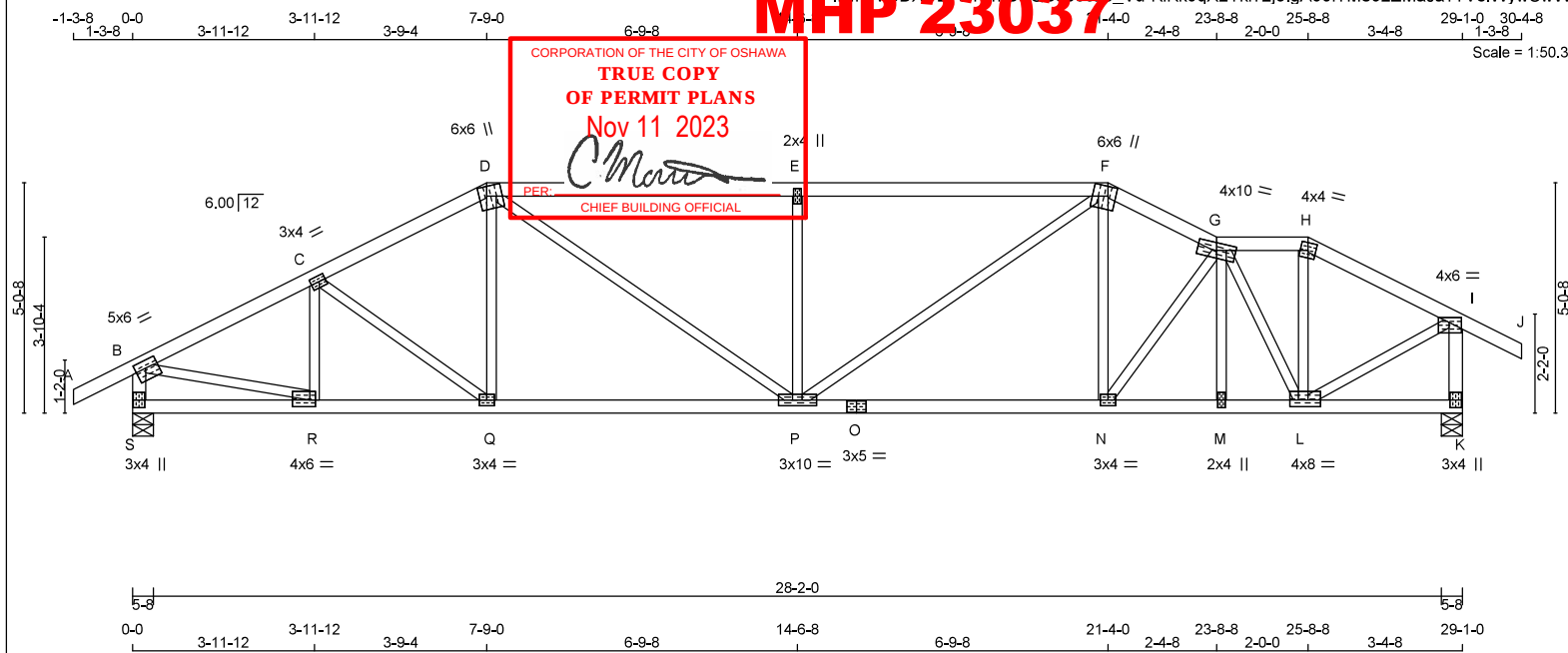
JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL = 0.91 (H) (INPUT = 1.00)

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



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-124	T10	1	1	TRUSS DESC.	VILLA 7-3	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:23:57 2023 Page 1



TOTAL WEIGHT = 122 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - F	2x4	DRY	2100F 1.8E	SPF
F - G	2x4	DRY	No.2	SPF
G - H	2x4	DRY	No.2	SPF
H - J	2x4	DRY	No.2	SPF
S - B	2x4	DRY	No.2	SPF
K - I	2x4	DRY	No.2	SPF
S - O	2x4	DRY	No.2	SPF
O - K	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	TMVW-H	MT20	5.0	6.0	2.00 2.75
C	TMVW-H	MT20	3.0	4.0	1.50 1.75
D	TMVW-H	MT20	6.0	6.0	2.50 2.00
E	TMVW-H	MT20	2.0	4.0	
F	TMVW-H	MT20	6.0	6.0	2.50 2.00
G	TMVW-H	MT20	4.0	10.0	
H	TMVW-H	MT20	4.0	4.0	
I	TMVW-H	MT20	4.0	6.0	1.25 3.25
K	BMV1-H	MT20	3.0	4.0	
L	BMVW-H	MT20	4.0	8.0	1.75 2.25
M	BMVW-H	MT20	2.0	4.0	
N	BMVW-H	MT20	3.0	4.0	
O	BS-H	MT20	3.0	5.0	
P	BMVW-H	MT20	3.0	10.0	
Q	BMVW-H	MT20	3.0	4.0	
R	BMVW-H	MT20	4.0	6.0	1.75 1.50
S	BMV1-H	MT20	3.0	4.0	

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

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
S	2164	0	2164	0
K	2164	0	2164	0

UNFACTORED REACTIONS

	1ST LCASE	MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
S	1510	1107 / 0	0 / 0	0 / 0	0 / 0	403 / 0	0 / 0
K	1510	1107 / 0	0 / 0	0 / 0	0 / 0	403 / 0	0 / 0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.72 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				FR-TO			
A-B	0 / 36	-119.4	-119.4 0.16 (1)	R-C	-484 / 0	0.09 (1)	
B-C	-2748 / 0	-119.4	-119.4 0.38 (1)	C-Q	-83 / 0	0.03 (1)	
C-D	-2719 / 0	-119.4	-119.4 0.38 (1)	Q-D	0 / 164	0.04 (4)	
D-E	-3214 / 0	-119.4	-119.4 0.80 (1)	D-P	0 / 977	0.22 (1)	
E-F	-3214 / 0	-119.4	-119.4 0.80 (1)	P-E	-997 / 0	0.37 (1)	
F-G	-2695 / 0	-119.4	-119.4 0.20 (1)	P-F	0 / 976	0.22 (1)	
G-H	-1727 / 0	-119.4	-119.4 0.11 (1)	N-F	0 / 192	0.04 (1)	
H-I	-1916 / 0	-119.4	-119.4 0.29 (1)	N-G	-77 / 0	0.02 (1)	
I-J	0 / 36	-119.4	-119.4 0.16 (1)	M-G	-42 / 0	0.01 (1)	
S-B	-2124 / 0	0.0	0.0 0.21 (1)	G-L	-1542 / 0	0.41 (1)	
K-I	-2138 / 0	0.0	0.0 0.25 (1)	L-H	0 / 539	0.12 (1)	
				B-R	0 / 2534	0.57 (1)	
				L-I	0 / 1940	0.44 (1)	
S-R	0 / 0	-18.2	-18.2 0.07 (4)				
R-Q	0 / 2477	-18.2	-18.2 0.47 (1)				
Q-P	0 / 2413	-18.2	-18.2 0.46 (1)				
P-O	0 / 2414	-18.2	-18.2 0.47 (1)				
O-N	0 / 2414	-18.2	-18.2 0.47 (1)				
N-M	0 / 2455	-18.2	-18.2 0.48 (1)				
M-L	0 / 2453	-18.2	-18.2 0.46 (1)				
L-K	0 / 0	-18.2	-18.2 0.05 (4)				

DESIGN CRITERIA**SPECIFIED LOADS:**

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

SPACING = 24.0 IN. C/C

LOADING IN 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, 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 LOADALLOWABLE DEFL.(LL)= L/360 (0.97")
CALCULATED VERT. DEFL.(LL)= L/999 (0.14")
ALLOWABLE DEFL.(TL)= L/360 (0.97")
CALCULATED VERT. DEFL.(TL)= L/999 (0.25")CSI: TC=0.80/0.97 (D-E:1), BC=0.48/0.97 (M-N:1),
WB=0.57/0.97 (B-R:1), SS=0.39/1.00 (D-E:1)DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10
SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

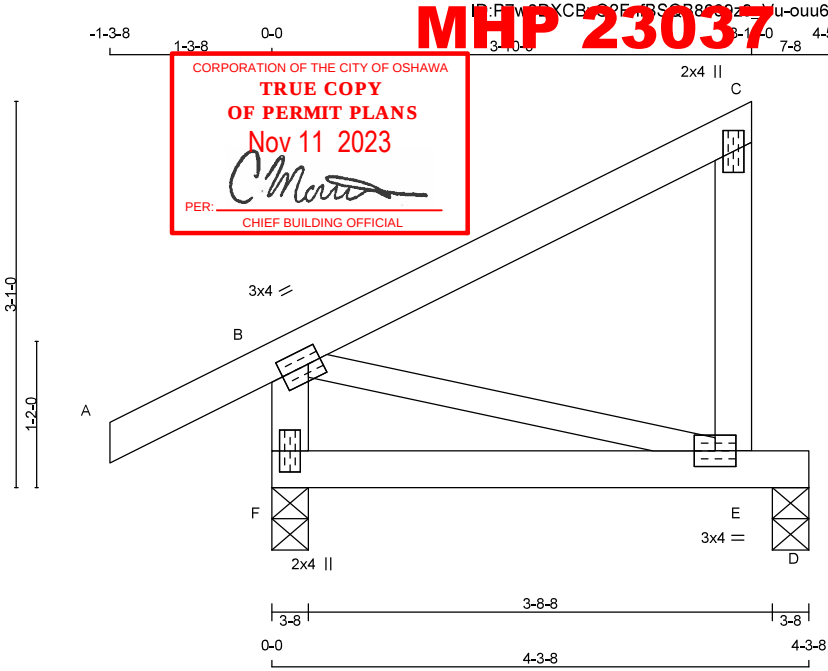
JSI GRIP= 0.90 (D) (INPUT = 0.90)
JSI METAL = 0.80 (G) (INPUT = 1.00)

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



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-124	T11	2	1	TRUSS DESC.	VILLA 7-3	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:23:58 2023 Page 1



Scale = 1:18.4

TOTAL WEIGHT = 2 X 18 = 36 lb

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

PLATES (table is in inches)					
JT	TYPE	PLATES	W	LEN	Y X
B	TMVW4	MT20	3.0	4.0	1.50 1.25
C	TMV+p	MT20	2.0	4.0	
E	BMVW4	MT20	3.0	4.0	
F	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			
JT	VERT	HORZ	DOWN	JT	VERT	HORZ	UP/LIFT
F	455	0	455	0	0	3-8	1-8
D	244	0	244	0	0	3-8	1-8

UNFACTORED REACTIONS							
JT	1ST CASE	2ND CASE	3RD CASE	4TH CASE	5TH CASE	6TH CASE	7TH CASE
F	315	242 / 0	0 / 0	0 / 0	0 / 0	0 / 0	73 / 0
D	171	119 / 0	0 / 0	0 / 0	0 / 0	0 / 0	52 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY 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. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)	MAX. FACTORED FORCE (LBS)
FR-TO		FROM	TO	FR-TO		FROM	TO
A-B	0 / 36	-119.4	-119.4 0.16 (1)	B-E	0 / 0	10.00	0.00 (1)
B-C	0 / 0	-119.4	-119.4 0.30 (1)				
E-C	-229 / 0	0.0	0.0 0.04 (1)				
F-B	-391 / 0	0.0	0.0 0.04 (1)				
F-E	0 / 0	-18.2	-18.2 0.15 (1)				
E-D	0 / 0	-18.2	-18.2 0.15 (1)				

DESIGN CRITERIA

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

SPACING = 24.0 IN. C/C

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

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

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

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.02")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.04")

CSI: TC=0.30/0.97 (B-C:1) , BC=0.15/0.97 (E-F:1) ,
WB=0.00/0.97 (B-E:1) , SSI=0.19/1.00 (D-E:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

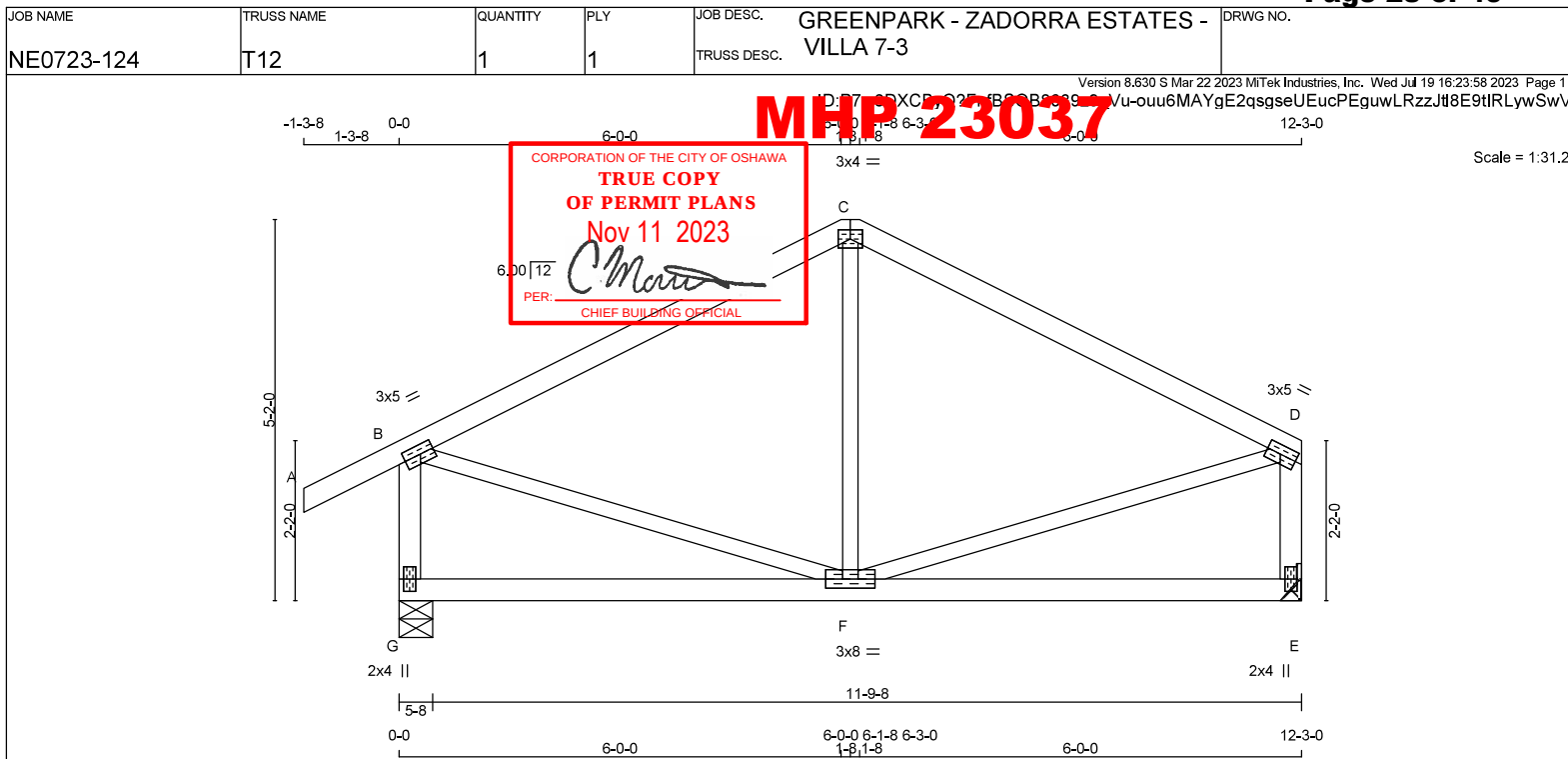
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.34 (B) (INPUT = 0.90)
JSI METAL = 0.10 (C) (INPUT = 1.00)



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.



**LUMBER**

N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - C	2x4	DRY	2100F 1.8E
C - D	2x4	DRY	2100F 1.8E
G - B	2x4	DRY	No.2
E - D	2x4	DRY	No.2
G - E	2x4	DRY	No.2

ALL WEBS 2x3 DRY No.2
EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW4	MT20	3.0	5.0	1.50	2.25
C	TTW-p	MT20	3.0	4.0		
D	TMVW4	MT20	3.0	5.0	1.50	2.25
E	BMV1+p	MT20	2.0	4.0		
F	BMVW4	MT20	3.0	8.0		
G	BMV1+p	MT20	2.0	4.0		

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

BEARINGS							
	FACTORED		MAXIMUM FACTORED		INPUT	REQRD	
	GROSS REACTION		GROSS REACTION		BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	1005	0	1005	0	0	5-8	1-8
E	843	0	843	0	0	MECHANICAL	

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	700	521 / 0	0 / 0	0 / 0	0 / 0	179 / 0	0 / 0
E	589	426 / 0	0 / 0	0 / 0	0 / 0	163 / 0	0 / 0

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

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. VERT. LOAD (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. VERT. LOAD (LC)	
FR-TO		FROM	TO	FR-TO			
A-B	0 / 36	-119.4	-119.4 0.10 (1)	10.00	B-F	0 / 565	0.13 (1)
B-C	-605 / 0	-119.4	-119.4 0.38 (1)	6.25	F-D	0 / 565	0.13 (1)
C-D	-605 / 0	-119.4	-119.4 0.38 (1)	6.25	F-C	-191 / 58	0.08 (1)
G-B	-962 / 0	0.0	0.0 0.11 (1)	7.81			
E-D	-800 / 0	0.0	0.0 0.09 (1)	7.81			
G-F	0 / 0	-18.2	-18.2 0.20 (4)	10.00			
F-E	0 / 0	-18.2	-18.2 0.20 (4)	10.00			

DESIGN CRITERIA

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

SPACING = 24.0 IN./C

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) = $L/360$ (0.41")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.01")
ALLOWABLE DEFL.(TL) = $L/360$ (0.41")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.04")

CSI: TC=0.38/0.97 (B-C:1), BC=0.20/0.97 (E-F:4),
WB=0.13/0.97 (B-F:1), SSI=0.26/1.00 (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

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) (PLI)
MAX MIN MAX MIN MAX MIN
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

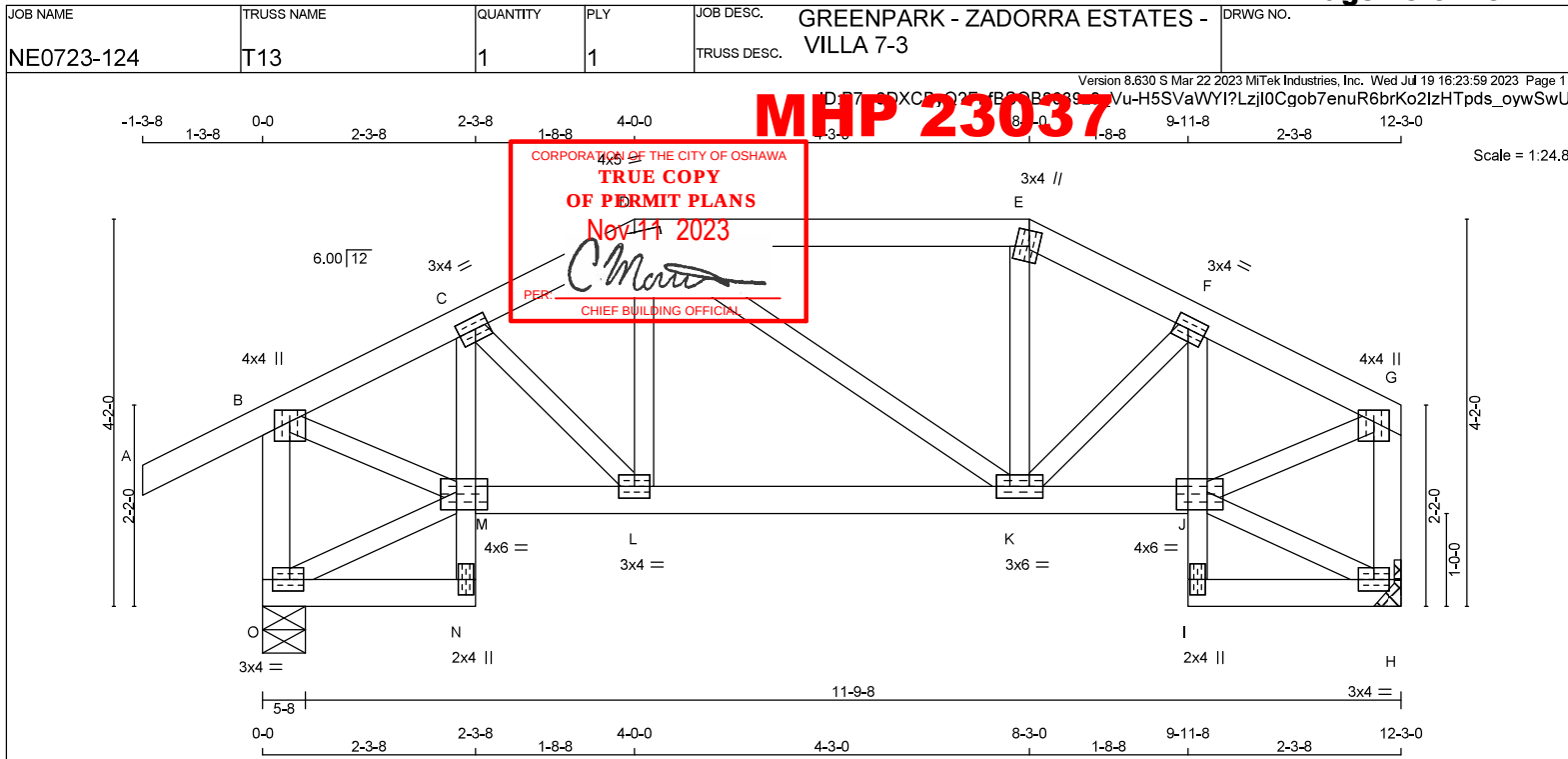
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.85 (D) (INPUT = 0.90)
JSI METAL= 0.24 (D) (INPUT = 1.00)



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.



**LUMBER**

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY No.2	SPF
D - E	2x4	DRY No.2	SPF
E - G	2x4	DRY No.2	SPF
O - B	2x4	DRY No.2	SPF
H - G	2x4	DRY No.2	SPF
O - N	2x4	DRY No.2	SPF
N - C	2x3	DRY No.2	SPF
M - J	2x4	DRY No.2	SPF
I - F	2x3	DRY No.2	SPF
I - H	2x4	DRY No.2	SPF
ALL WEBS EXCEPT	2x3	DRY No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW+p	MT20	4.0	4.0	1.50	2.00
C	TMVW4	MT20	3.0	4.0	1.50	1.75
D	TTVW+m	MT20	4.0	5.0	1.75	1.25
E	TTVW+m	MT20	3.0	4.0	2.00	1.25
F	TMVW4	MT20	3.0	4.0	1.50	1.75
G	TMVW+p	MT20	4.0	4.0	1.50	2.00
H	BMVW1-t	MT20	3.0	4.0		
I	BMV+p	MT20	2.0	4.0		
J	BMVWW4	MT20	4.0	6.0	2.25	4.00
K	BMVWW4	MT20	3.0	6.0		
L	BMVWW4	MT20	3.0	4.0		
M	BMVWW4	MT20	4.0	6.0	2.25	4.00
N	BMV+p	MT20	2.0	4.0		
O	BMVW1-t	MT20	3.0	4.0	1.50	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
O	1005	0	1005	0
H	843	0	843	0

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

UNFACTORED REACTIONS

	1ST LOASE	MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
O	700	521 / 0	0 / 0	0 / 0	0 / 0	179 / 0	0 / 0
H	589	426 / 0	0 / 0	0 / 0	0 / 0	163 / 0	0 / 0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 7.81 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. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH FR-TO	
FR-TO				C-L			
A-B	0 / 36	-119.4	-119.4 0.16 (1)	10.00	-12 / 11	0.00 (4)	
B-C	-886 / 0	-119.4	-119.4 0.07 (1)	6.25	L-D	0 / 64	0.02 (4)
C-D	-903 / 0	-119.4	-119.4 0.05 (1)	6.25	D-K	0 / 0	0.00 (1)
D-E	-799 / 0	-119.4	-119.4 0.28 (1)	6.25	K-E	0 / 64	0.02 (4)
E-F	-903 / 0	-119.4	-119.4 0.05 (1)	6.25	K-F	-12 / 11	0.00 (4)
F-G	-887 / 0	-119.4	-119.4 0.07 (1)	6.25	B-M	0 / 858	0.19 (1)
G-H	-981 / 0	0.0	0.0 0.12 (1)	7.78	J-G	0 / 858	0.19 (1)
H-G	-819 / 0	0.0	0.0 0.10 (1)	7.81	O-M	-10 / 0	0.00 (1)
				J-H	-9 / 0	0.00 (1)	
O-N	0 / 9	-18.2	-18.2 0.03 (4)	10.00			
N-M	0 / 22	0.0	0.0 0.03 (1)	10.00			
M-C	-275 / 0	0.0	0.0 0.02 (1)	7.81			
M-L	0 / 805	-18.3	-18.3 0.15 (1)	10.00			
L-K	0 / 799	-18.2	-18.2 0.16 (1)	10.00			
K-J	0 / 805	-18.3	-18.3 0.15 (1)	10.00			
I-J	0 / 22	0.0	0.0 0.03 (1)	10.00			
J-F	-275 / 0	0.0	0.0 0.02 (1)	7.81			
I-H	0 / 8	-18.2	-18.2 0.03 (4)	10.00			

DESIGN CRITERIA**SPECIFIED LOADS:**

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

SPACING = 24.0 IN./C

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

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 LOADALLOWABLE DEFL.(LL) = L/360 (0.41")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.41")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")CSI: TC=0.28/0.97 (D-E:1), BC=0.16/0.97 (K-L:1),
WB=0.19/0.97 (G-J:1), SSI=0.20/1.00 (D-E:1)DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10
SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

AUTOSOLVE HEELS OFF

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
	(FSD)	(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= 0.80 (E) (INPUT = 0.90)

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

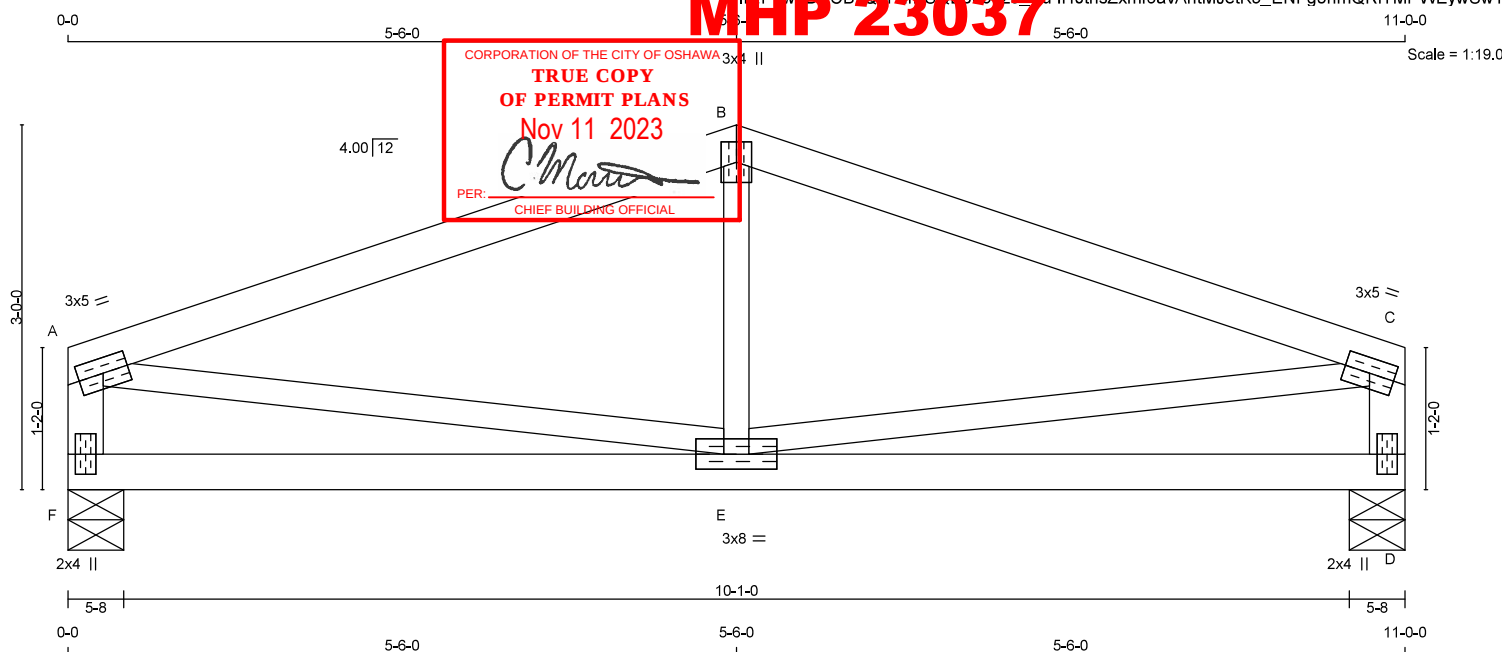


READ ALL NOTES ON THIS PAGE AND ON THE ENGINEERING NOTES: TRUSSES. THE NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-124	T14	2	1	TRUSS DESC.	VILLA 7-3	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:24:00 2023 Page 1



TOTAL WEIGHT = 2 X 38 = 76 lb

LUMBER

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

ALL WEBS 2x3 DRY No.2 EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW4	MT20	3.0	5.0		
B	TTW+p	MT20	3.0	4.0		
C	TMVW4	MT20	3.0	5.0		
D	BMV1+p	MT20	2.0	4.0		
E	BMVW4	MT20	3.0	8.0		
F	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
F	757	0	757	0	0	5-8	1-8
D	757	0	757	0	0	5-8	1-8

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	529	383 / 0	0 / 0	0 / 0	0 / 0	146 / 0	0 / 0
D	529	383 / 0	0 / 0	0 / 0	0 / 0	146 / 0	0 / 0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.91 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC1)	MAX. FACTORED VERT. LOAD (LC)	MAX. FACTORED VERT. LOAD (LC)	MAX. FACTORED VERT. LOAD (LC)	MAX. FACTORED VERT. LOAD (LC)
FR-TO	FROM	TO	FROM	TO	FROM	TO	FROM	TO
A-B	-833 / 0	-119.4	-119.4	0.47 (1)	5.91	E-B	-130 / 64	0.02 (1)
B-C	-833 / 0	-119.4	-119.4	0.47 (1)	5.91	A-E	0 / 800	0.18 (1)
F-A	-717 / 0	0.0	0.0	0.07 (1)	7.81	E-C	0 / 800	0.18 (1)
D-C	-717 / 0	0.0	0.0	0.07 (1)	7.81			
F-E	0 / 0	-18.2	-18.2	0.15 (4)	10.00			
E-D	0 / 0	-18.2	-18.2	0.15 (4)	10.00			

DESIGN CRITERIA**SPECIFIED LOADS:**

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

SPACING = 24.0 IN./C

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 LOADALLOWABLE DEFL.(LL) = L/360 (0.37")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.37")
CALCULATED VERT. DEFL.(TL) = L/999 (0.04")CSI: TC=0.47/0.97 (B-C:1), BC=0.15/0.97 (E-F:4),
WB=0.18/0.97 (A-E:1), SSI=0.24/1.00 (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)
MT20	650	371	1747

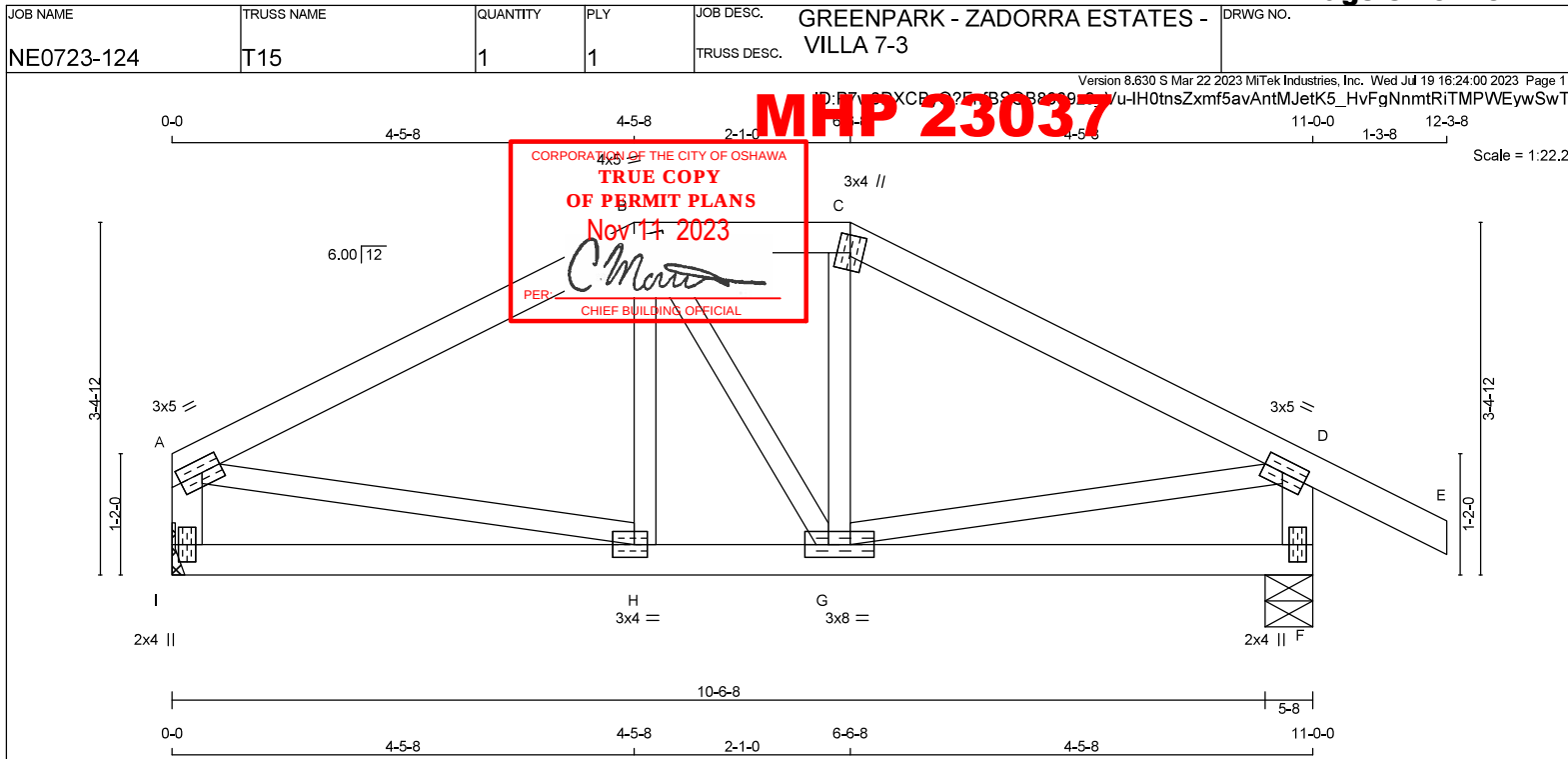
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.83 (E) (INPUT = 0.90)
JSI METAL = 0.27 (A) (INPUT = 1.00)

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.



**LUMBER**

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

ALL WEBS 2x3 DRY No.2 EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW4	MT20	3.0	5.0	1.50	2.25
B	TTWW-m	MT20	4.0	5.0	1.75	1.25
C	TTW+m	MT20	3.0	4.0		
D	TMVW4	MT20	3.0	5.0	1.50	2.25
F	BMV1+p	MT20	2.0	4.0		
G	BMVWW4	MT20	3.0	8.0		
H	BMVWW4	MT20	3.0	4.0	1.50	1.50
I	BMV1+p	MT20	2.0	4.0		

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

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
I	757	0	0	0
F	919	0	0	0

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

UNFACTORED REACTIONS

JT	1ST LOASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
I	529	383 / 0	0 / 0	0 / 0	0 / 0	0 / 0	146 / 0	0 / 0
F	640	477 / 0	0 / 0	0 / 0	0 / 0	0 / 0	163 / 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 = 6.25 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MAX. UNBRACED LENGTH	MEMB.	WEBS MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
FR-TO		FROM TO			FR-TO		
A-B	-737 / 0	-119.4	-119.4	0.31 (1)	6.25	H-B	-61 / 36
B-C	-657 / 0	-119.4	-119.4	0.07 (1)	6.25	B-G	0 / 2
C-D	-738 / 0	-119.4	-119.4	0.31 (1)	6.25	G-C	-59 / 38
D-E	0 / 36	-119.4	-119.4	0.16 (1)	10.00	A-H	0 / 670
I-A	-721 / 0	0.0	0.0	0.07 (1)	7.81	G-D	0 / 671
F-D	-882 / 0	0.0	0.0	0.09 (1)	7.81		
I-H	0 / 0	-18.2	-18.2	0.08 (4)	10.00		
H-G	0 / 656	-18.2	-18.2	0.14 (1)	10.00		
G-F	0 / 0	-18.2	-18.2	0.08 (4)	10.00		

DESIGN CRITERIA**SPECIFIED LOADS:**

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

SPACING = 24.0 IN./C

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

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

THIS DESIGN COMPLIES WITH:

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

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

ALLOWABLE DEFL.(LL) = $L/360$ (0.37")

CALCULATED VERT. DEFL.(LL) = $L/999$ (0.01")

ALLOWABLE DEFL.(TL) = $L/360$ (0.37")

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

CSI: TC=0.31/0.97 (C-D:1), BC=0.14/0.97 (G-H:1),

WB=0.15/0.97 (D-G:1), SSI=0.19/1.00 (A-B:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PLD) (PLD)

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.

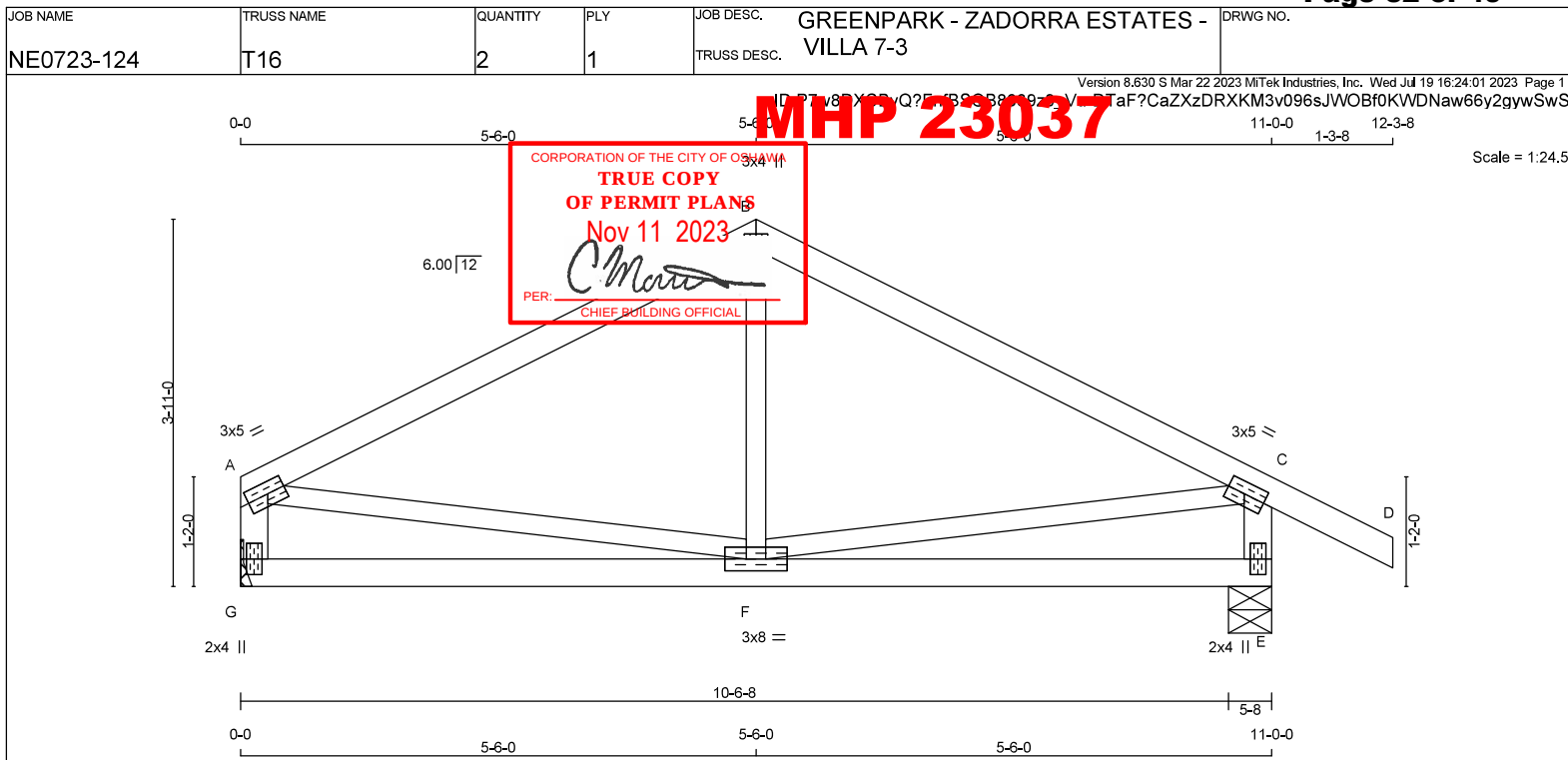
JSI GRIP= 0.83 (H) (INPUT = 0.90)

JSI METAL = 0.27 (D) (INPUT = 1.00)



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





TOTAL WEIGHT = 2 X 41 = 82 lb

LUMBER

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

ALL WEBS 2x3 DRY No.2 EXCEPT

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVWH	MT20	3.0	5.0	1.50	2.25
B	TTW+p	MT20	3.0	4.0		
C	TMVWH	MT20	3.0	5.0	1.50	2.25
E	BMV1+p	MT20	2.0	4.0		
F	BMVWH	MT20	3.0	8.0		
G	BMV1+p	MT20	2.0	4.0		

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

JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	757	0	757	0	0	MECHANICAL	
E	919	0	919	0	0	5-8	1-8

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

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
G	529	383 / 0	0 / 0	0 / 0	0 / 0	146 / 0	0 / 0
E	640	477 / 0	0 / 0	0 / 0	0 / 0	163 / 0	0 / 0

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

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

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

LOADING

TOTAL LOAD CASES: (4)

C H O R D S				W E B S				
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED VERT. LOAD (LC)	UNBRAC	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC)	
FR-TO		FROM	TO	LENGTH	FR-TO			
A-B	-664 / 0	-119.4	-119.4	0.47 (1)	6.25	F-B	-63 / 84	0.03 (4)
B-C	-664 / 0	-119.4	-119.4	0.47 (1)	6.25	A-F	0 / 601	0.14 (1)
C-D	0 / 36	-119.4	-119.4	0.16 (1)	7.81	F-C	0 / 601	0.14 (1)
G-A	-718 / 0	0.0	0.0	0.07 (1)	7.81			
E-C	-880 / 0	0.0	0.0	0.09 (1)	7.81			
G-F	0 / 0	-18.2	-18.2	0.15 (4)	10.00			
F-E	0 / 0	-18.2	-18.2	0.15 (4)	10.00			

DESIGN CRITERIA**SPECIFIED LOADS:**

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

SPACING = 24.0 IN./C

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 LOADALLOWABLE DEFL.(LL) = L/360 (0.37")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.37")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")CSI: TC=0.47/0.97 (A-B:1), BC=0.15/0.97 (F-G:4),
WB=0.14/0.97 (C-F:1), SSI=0.23/1.00 (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)
MT20	650	371	1747
	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.77 (A) (INPUT = 0.90)
JSI METAL = 0.25 (A) (INPUT = 1.00)

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.



