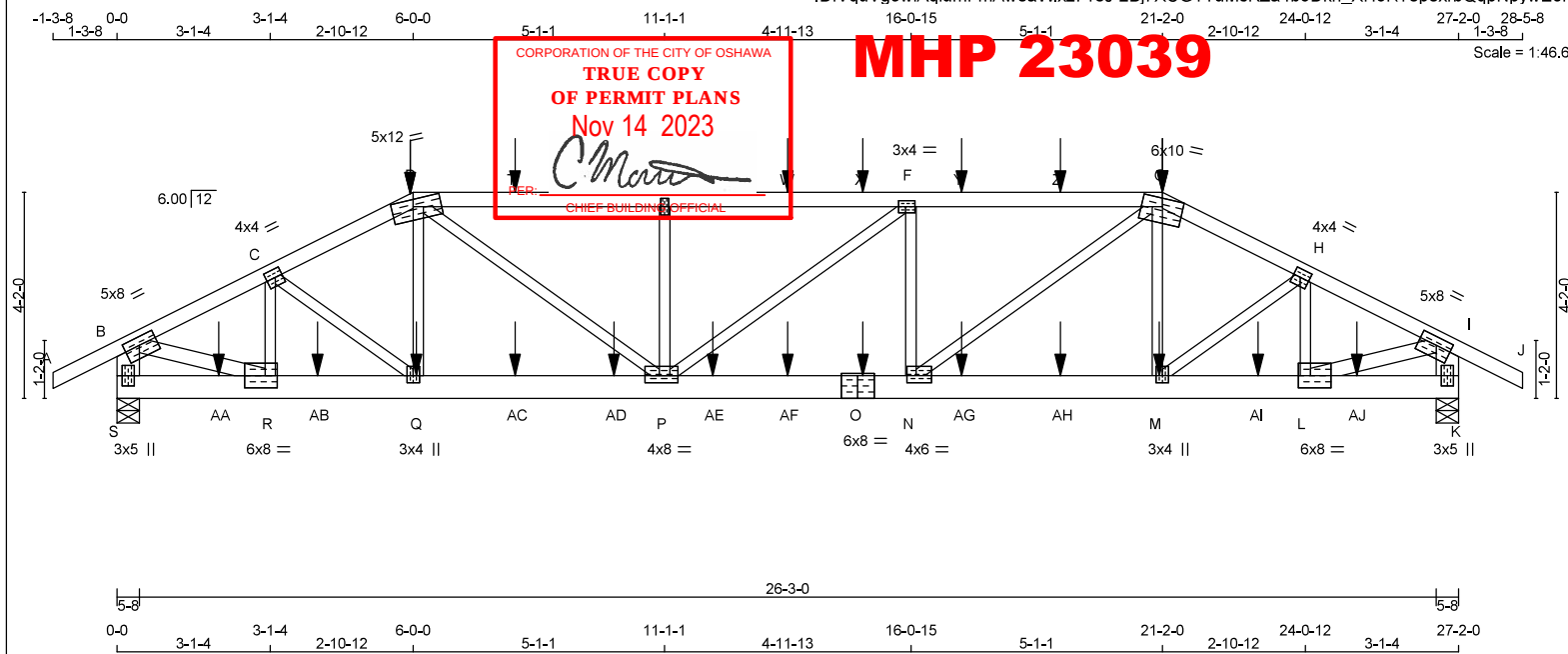


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES - VILLA 12-3	DRWG NO.
NE0723-139	G01	1	1	TRUSS DESC.		

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TOTAL WEIGHT = 127 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - D	2x4	DRY	No.2	SPF
D - G	2x4	DRY	2100F 1.8E	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	2x3	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	TMWV-H	MT20	5.0	8.0	2.00	3.75
C	TMWV-H	MT20	4.0	4.0	2.00	1.75
D	TTWV-H	MT20	5.0	12.0	1.75	5.25
E	TMWV-H	MT20	2.0	4.0		
F	TMWV-H	MT20	3.0	4.0	1.50	1.75
G	TTWV-H	MT20	6.0	10.0	Edge	
H	TMWV-H	MT20	4.0	4.0	2.00	1.75
I	TMWV-H	MT20	5.0	8.0	2.00	3.75
K	BMV1+P	MT20	3.0	5.0		
L	BMWV-H	MT20	6.0	8.0	3.00	3.00
M	BMWV-H	MT20	3.0	4.0	1.75	1.50
N	BMWV-H	MT20	4.0	6.0	1.75	2.25
O	BS4	MT20	6.0	8.0		
P	BMWV-H	MT20	4.0	8.0	1.75	3.50
Q	BMWV-H	MT20	3.0	4.0	1.75	1.50
R	BMWV-H	MT20	6.0	8.0	3.00	3.00
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	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
S	3341	0	3341	0
K	3341	0	3341	0

UNFACTORED REACTIONS

	1ST CASE	MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
S	2333	1697 / 0	0 / 0	0 / 0	0 / 0	636 / 0	0 / 0
K	2333	1697 / 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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.72 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	MAX. FACTORED	FACTORED	MAX. UNBRACED	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD LC1 (PLF)	CS1 (LC)	MEMB. FORCE (LBS)
FR-TO		FROM	TO	FR-TO
A-B	0 / 36	-119.4	-119.4	0.17 (1)
B-C	-4361 / 0	-119.4	-119.4	0.43 (1)
C-D	-4908 / 0	-119.4	-119.4	0.46 (1)
D-T	-6015 / 0	-119.4	-119.4	0.79 (1)
T-U	-6015 / 0	-119.4	-119.4	0.79 (1)
U-E	-6015 / 0	-119.4	-119.4	0.79 (1)
E-V	-6015 / 0	-119.4	-119.4	0.80 (1)
V-W	-6015 / 0	-119.4	-119.4	0.80 (1)
W-X	-6015 / 0	-119.4	-119.4	0.80 (1)
X-F	-6015 / 0	-119.4	-119.4	0.80 (1)
F-Y	-6027 / 0	-119.4	-119.4	0.81 (1)
Y-Z	-6027 / 0	-119.4	-119.4	0.81 (1)
Z-G	-6027 / 0	-119.4	-119.4	0.81 (1)
G-H	-4904 / 0	-119.4	-119.4	0.46 (1)
H-I	-4362 / 0	-119.4	-119.4	0.43 (1)
I-J	0 / 36	-119.4	-119.4	0.17 (1)
J-S	-3251 / 0	0.0	0.0	0.23 (1)
K-I	-3252 / 0	0.0	0.0	0.23 (1)

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 / 3912	-18.2	-18.2	0.63 (1)	10.00
AB-Q	0 / 3912	-18.2	-18.2	0.63 (1)	10.00
Q-AC	0 / 4369	-18.2	-18.2	0.65 (1)	10.00
AC-AD	0 / 4369	-18.2	-18.2	0.65 (1)	10.00
AD-P	0 / 4369	-18.2	-18.2	0.65 (1)	10.00
P-AE	0 / 6027	-18.2	-18.2	0.91 (1)	10.00
AE-AF	0 / 6027	-18.2	-18.2	0.91 (1)	10.00
AF-O	0 / 6027	-18.2	-18.2	0.91 (1)	10.00
O-N	0 / 6027	-18.2	-18.2	0.91 (1)	10.00
N-AG	0 / 4366	-18.2	-18.2	0.63 (1)	10.00
AG-AH	0 / 4366	-18.2	-18.2	0.63 (1)	10.00
AH-M	0 / 4366	-18.2	-18.2	0.63 (1)	10.00
M-AI	0 / 3913	-18.2	-18.2	0.63 (1)	10.00
AI-L	0 / 3913	-18.2	-18.2	0.63 (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	21-2-0	-418	-418	—	FRONT	VERT	TOTAL	—	C1
M	21-1-4	-22	-22	—	FRONT	VERT	TOTAL	—	C1
Q	15-1-4	-22	-22	—	FRONT	VERT	TOTAL	—	C1
6	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	13-7-0	-102	-102	—	FRONT	VERT	TOTAL	—	C1
X	15-1-4	-102	-102	—	FRONT	VERT	TOTAL	—	C1
Y	17-1-4	-102	-102	—	FRONT	VERT	TOTAL	—	C1
Z	19-1-4	-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 2014

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 (0.91")
CALCULATED VERT. DEFL.(LL) = L/999 (0.24")
ALLOWABLE DEFL.(TL) = L/360 (0.91")
CALCULATED VERT. DEFL.(TL) = L/805 (0.41")CSI: TC=0.81/0.97 (F-G:1), BC=0.91/0.97 (N-P:1),
WB=0.71/0.97 (H-L:1), SSI=0.50/1.00 (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
(PS)	(PL)	(PL)	(PL)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	650	371	1747
	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (P) (INPUT = 0.90)
JSI METAL= 0.93 (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.
NE0723-139	G01	1	1	GREENPARK - ZADORRA ESTATES - VILLA 12-3	

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SPECIFIED CONCENTRATED LOADS (CS)				SHAWA			
JT	LOC.	FACE	DIR.	VE	EL	CON	
AA	2-0-12	FRONT	VERT	TOTAL	—	C1	
AB	4-0-12	FRONT	VERT	TOTAL	—	C1	
AC	8-0-12	FRONT	VERT	TOTAL	—	C1	
AD	10-0-12	FRONT	VERT	TOTAL	—	C1	
AE	12-0-12	ONT	VERT	TOTAL	—	C1	
AF	13-7-0	ONT	VERT	TOTAL	—	C1	
AG	17-1-4	ONT	VERT	TOTAL	—	C1	
AH	18-1-4	ONT	VERT	TOTAL	—	C1	
AI	23-1-4	FRONT	VERT	TOTAL	—	C1	
AJ	25-1-4	FRONT	VERT	TOTAL	—	C1	

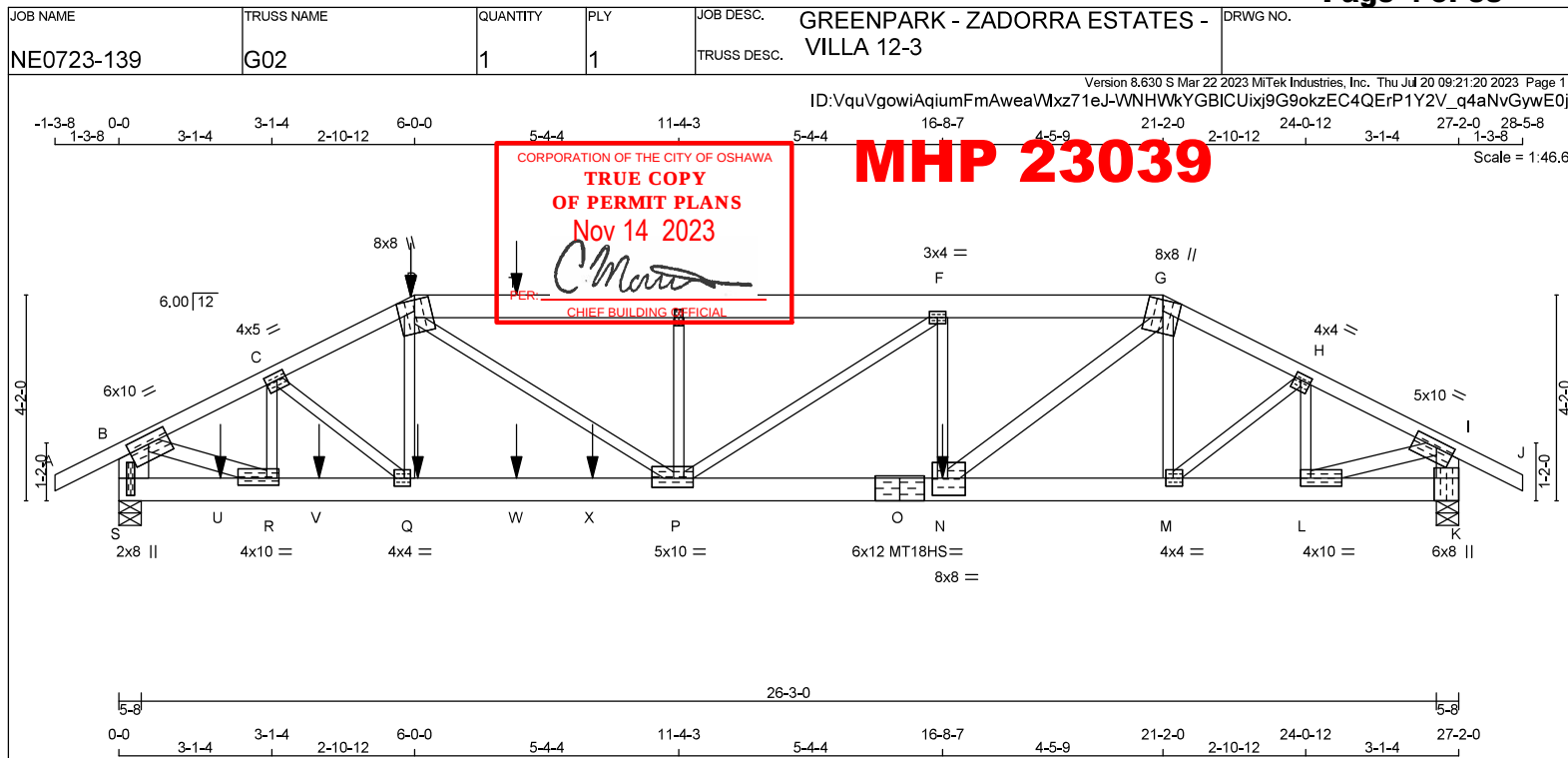
CONNECTION REQUIREMENTS

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

MHP 23039

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 - G	2x6	DRY	No.2	SPF
G - J	2x4	DRY	No.2	SPF
S - B	2x8	DRY	No.2	SPF
K - I	2x6	DRY	No.2	SPF
S - O	2x6	DRY	2100F 1.8E	SPF
O - K	2x6	DRY	2100F 1.8E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
N - G	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	TMVW-4	MT20	6.0	10.0	2.25	5.00
C	TMVW-4	MT20	4.0	5.0	1.75	2.25
D	TTVW+m	MT20	8.0	8.0	Edge	
E	TMVW-h	MT20	2.0	4.0		
F	TMVW-4	MT20	3.0	4.0		
G	TTVW+m	MT20	8.0	8.0	Edge	
H	TMVW-4	MT20	4.0	4.0	1.50	1.50
I	TMVW-4	MT20	5.0	10.0	1.75	4.25
K	BMV1+I	MT20	6.0	8.0	Edge	0.50
L	BMVW-4	MT20	4.0	10.0	2.00	2.50
M	BMVW-4	MT20	4.0	4.0	2.00	1.75
N	BMVW-4	MT20	8.0	8.0	4.25	3.75
O	BS4	MT18HS	6.0	12.0		
P	BMVW-4	MT20	5.0	10.0	2.25	4.75
Q	BMVW-4	MT20	4.0	4.0	2.00	1.50
R	BMVW-4	MT20	4.0	10.0	1.75	3.00
S	BMV1+p	MT20	2.0	8.0	4.25	1.75

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	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
S	4370	0	4370	0	0	5-8	4-5
K	4191	0	4191	0	0	5-8	5-8

UNFACTORED REACTIONS**1ST CASE**

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
S	3047	2247 / 0	0 / 0	0 / 0	0 / 0	800 / 0	0 / 0
K	2920	2163 / 0	0 / 0	0 / 0	0 / 0	757 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 1.84 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			
MAX. FACTORED		FACTORED			MAX. FACTORED			
MEMB.	FORCE	VERT. LOAD	LC1	MAX	MEMB.	FORCE	MAX	
	(LBS)	(PLF)	CSI (LC)	UNBRAC		(LBS)	CSI (LC)	
FR-TO		FROM	TO	LENGTH	FR-TO			
A-B	0 / 36	-119.4	-119.4	0.17 (I)	10.00	R-C	-1624 / 0	
B-C	-5806 / 0	-119.4	-119.4	0.64 (I)	2.29	C-Q	0 / 1254	
C-D	-6875 / 0	-119.4	-119.4	0.78 (I)	1.84	Q-D	0 / 121	
D-T	-8952 / 0	-119.4	-119.4	0.91 (I)	1.93	D-P	0 / 3399	
T-E	-8952 / 0	-119.4	-119.4	0.91 (I)	1.93	P-E	-831 / 0	
E-F	-8952 / 0	-119.4	-119.4	0.71 (I)	2.30	P-F	-396 / 0	
F-G	-9278 / 0	-119.4	-119.4	0.71 (I)	2.22	N-F	-421 / 0	
G-H	-6490 / 0	-119.4	-119.4	0.71 (I)	2.03	N-G	0 / 4498	
H-I	-5586 / 0	-119.4	-119.4	0.60 (I)	2.39	M-G	-367 / 0	
I-J	0 / 36	-119.4	-119.4	0.17 (I)	10.00	M-H	0 / 1059	
S-B	-4222 / 0	0.0	0.0	0.23 (I)	5.79	L-H	-1431 / 0	
K-I	-4074 / 0	0.0	0.0	0.29 (I)	5.20	B-R	0 / 5362	
						L-I	0 / 5160	
S-U	0 / 0	-18.2	-18.2	0.14 (I)	10.00			
U-R	0 / 0	-18.2	-18.2	0.14 (I)	10.00			
R-V	0 / 5203	-18.2	-18.2	0.48 (I)	10.00			
V-Q	0 / 5203	-18.2	-18.2	0.48 (I)	10.00			
Q-W	0 / 6166	-18.2	-18.2	0.70 (I)	10.00			
W-X	0 / 6166	-18.2	-18.2	0.70 (I)	10.00			
X-P	0 / 6166	-18.2	-18.2	0.70 (I)	10.00			
P-O	0 / 9278	-18.2	-18.2	0.61 (I)	10.00			
O-N	0 / 9278	-18.2	-18.2	0.61 (I)	10.00			
N-M	0 / 5830	-18.2	-18.2	0.43 (I)	10.00			
M-L	0 / 5006	-18.2	-18.2	0.37 (I)	10.00			
L-K	0 / 0	-18.2	-18.2	0.11 (I)	10.00			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
D	6-0-0	-418	-418	—	BACK	VERT	TOTAL	—	C1
N	16-8-7	-1803	-1803	—	BACK	VERT	TOTAL	—	C1
Q	6-0-12	-22	-22	—	BACK	VERT	TOTAL	—	C1
T	8-0-12	-102	-102	—	BACK	VERT	TOTAL	—	C1
U	2-0-12	-22	-22	—	BACK	VERT	TOTAL	—	C1
V	4-0-12	-22	-22	—	BACK	VERT	TOTAL	—	C1
W	8-0-12	-22	-22	—	BACK	VERT	TOTAL	—	C1
X	9-7-4	-722	-722	—	BACK	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 (0.91")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.30")
 ALLOWABLE DEFL.(TL) = L/360 (0.91")
 CALCULATED VERT. DEFL.(TL) = L/641 (0.51")

CSI: TC=0.91/0.97 (D-E-1), BC=0.70/0.97 (P-Q-1),
 WB=0.95/0.97 (B-R-1), SS=0.48/1.00 (P-Q-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
MT18HS	586	403	2455

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

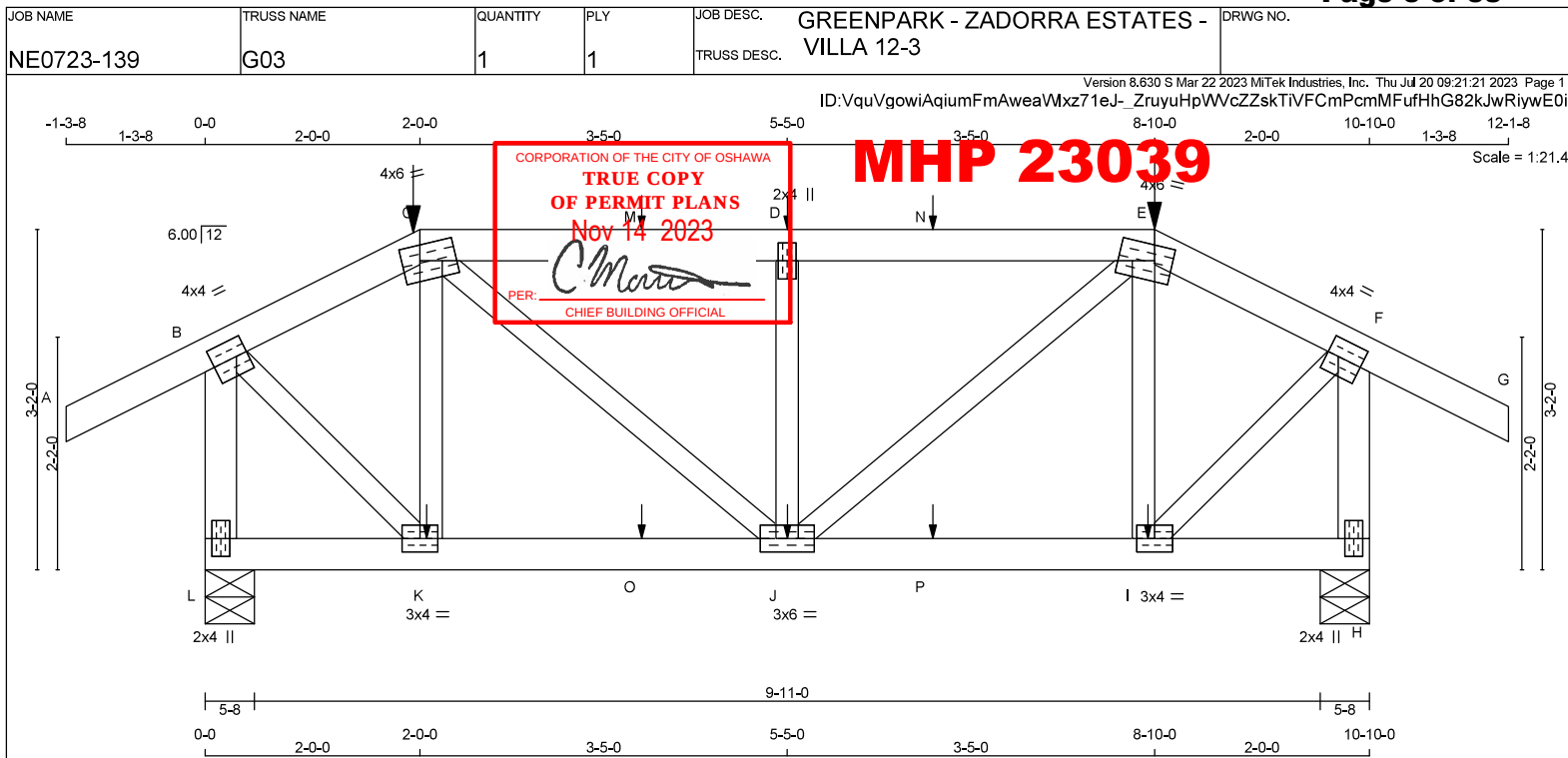
JSI GRIP= 0.90 (L) (INPUT = 0.90)

JSI METAL = 0.98 (O) (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 = 50 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
L - B	2x4	DRY	No.2
H - F	2x4	DRY	No.2
L - H	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	TMVW-H	MT20	4.0	4.0	2.00	1.25
C	TTVW-H	MT20	4.0	6.0	1.75	2.00
D	TMVW-H	MT20	2.0	4.0		
E	TTVW-H	MT20	4.0	6.0	1.75	2.00
F	TMVW-H	MT20	4.0	4.0	2.00	1.25
H	BMV1+P	MT20	2.0	4.0		
I	BMVW-H	MT20	3.0	4.0		
J	BMVW-H	MT20	3.0	6.0		
K	BMVW-H	MT20	3.0	4.0		
L	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	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
L	911	0	911	0
H	911	0	911	0

UNFACTORED REACTIONS

	1ST CASE	MAX. MIN.	COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE
L	635	472 / 0	0 / 0
H	635	472 / 0	0 / 0

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

BRACING

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

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

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

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS	MAX. FACTORED	FACTORED	MAX	MAX. FACTORED	MEMB.	WEBS	MAX. FACTORED	MAX
		FORCE (LBS)	VERT. LOAD LC1 (PLF)	CSI (LC)	UNBRAC LENGTH			FORCE (LBS)	CSI (LC)
FR-TO						FR-TO			
A-B	0 / 36	-119.4	-119.4	0.17 (1)	10.00	K-C	-332 / 0	0.07 (1)	
B-C	-499 / 0	-119.4	-119.4	0.09 (1)	6.25	C-J	0 / 427	0.11 (1)	
C-M	-760 / 0	-119.4	-119.4	0.25 (1)	6.25	J-D	-496 / 0	0.10 (1)	
M-D	-760 / 0	-119.4	-119.4	0.25 (1)	6.25	J-E	0 / 427	0.11 (1)	
D-N	-760 / 0	-119.4	-119.4	0.25 (1)	6.25	E-I	-332 / 0	0.07 (1)	
N-E	-760 / 0	-119.4	-119.4	0.25 (1)	6.25	B-K	0 / 594	0.15 (1)	
E-F	-499 / 0	-119.4	-119.4	0.09 (1)	6.25	I-F	0 / 594	0.15 (1)	
F-G	0 / 36	-119.4	-119.4	0.17 (1)	10.00				
L-B	-899 / 0	0.0	0.0	0.11 (1)	7.81				
H-F	-899 / 0	0.0	0.0	0.11 (1)	7.81				
L-K	0 / 0	-18.2	-18.2	0.03 (4)	10.00				
K-O	0 / 433	-18.2	-18.2	0.10 (1)	10.00				
O-J	0 / 433	-18.2	-18.2	0.10 (1)	10.00				
J-P	0 / 433	-18.2	-18.2	0.10 (1)	10.00				
P-I	0 / 433	-18.2	-18.2	0.10 (1)	10.00				
I-H	0 / 0	-18.2	-18.2	0.03 (4)	10.00				

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	2-0-0	-3	-3	-	FRONT	VERT	TOTAL	-	C1
D	5-5-0	1	1	-	FRONT	VERT	TOTAL	-	C1
E	8-10-0	-3	-3	-	FRONT	VERT	TOTAL	-	C1
I	8-9-4	1	1	-	FRONT	VERT	TOTAL	-	C1
J	5-5-0	1	1	-	FRONT	VERT	TOTAL	-	C1
K	2-0-12	1	1	-	FRONT	VERT	TOTAL	-	C1
M	4-0-12	1	1	-	FRONT	VERT	TOTAL	-	C1
N	6-9-4	1	1	-	FRONT	VERT	TOTAL	-	C1
O	4-0-12	1	1	-	FRONT	VERT	TOTAL	-	C1
P	6-9-4	1	1	-	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, 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 (0.36")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.36")
CALCULATED VERT. DEFL.(TL) = L/999 (0.02")CSI: TC=0.25/0.97 (D-E:1), BC=0.10/0.97 (J-K:1),
WB=0.15/0.97 (B-K:1), SSI=0.21/1.00 (C-D:1)DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00
SHEAR=1.00 TENS=1.00

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

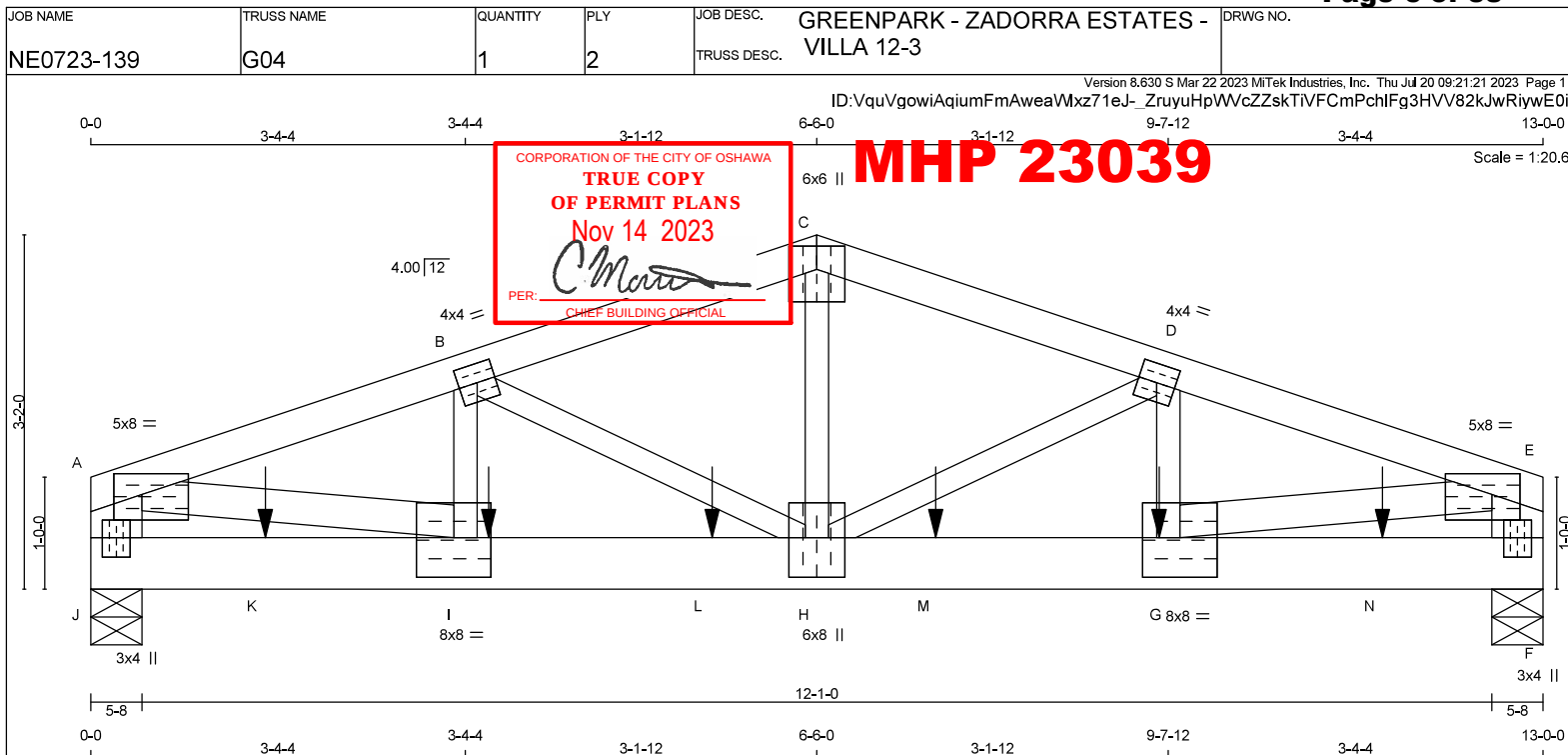
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP = 0.90 (K) (INPUT = 0.90)
JSI METAL = 0.21 (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.



**LUMBER**

N. L. G. A. RULES

CHORDS	SIZE	LUMBER
A - C	2x4	DRY No.2
C - E	2x4	DRY No.2
F - E	2x6	DRY No.2
J - F	2x6	DRY No.2
J - F	2x6	DRY No.2

ALL WEBS EXCEPT	SIZE	LUMBER
A - I	2x3	DRY No.2
G - E	2x4	DRY No.2

DRY: SEASONED LUMBER.

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A-C	12	TOP
C-E	12	TOP
J-A	12	TOP
F-E	12	TOP
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
J-F	12	SIDE(0.0)
WEBS : (0.122"x3") SPIRAL NAILS		
2x3	6	
2x4	6	

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

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	DOWN	UPLIFT	IN-SX
J	6415	0	0	5-8
F	6486	0	0	5-8

UNFACTORED REACTIONS

	1ST CASE	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
JT	COMBINED						
J	4477	3271 / 0	0 / 0	0 / 0	0 / 0	1206 / 0	0 / 0
F	4528	3308 / 0	0 / 0	0 / 0	0 / 0	1220 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.55 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	MAX. UNBRACED	WEBS	MAX. FACTORED
MEMB.	FORCE (LBS)	VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MEMB.	FORCE (LBS)
FR-TO		FROM TO		FR-TO	
A-B	-10546 / 0	-119.4 -119.4	0.54 (1)	2.55	H-C 0 / 5092
B-C	-8688 / 0	-119.4 -119.4	0.39 (1)	3.00	H-D -2016 / 0
C-D	-8688 / 0	-119.4 -119.4	0.39 (1)	3.00	G-D 0 / 1204
D-E	-10559 / 0	-119.4 -119.4	0.54 (1)	2.55	B-H -2002 / 0
J-A	-5388 / 0	0.0 0.0	0.19 (1)	6.23	I-B 0 / 1193
F-E	-5394 / 0	0.0 0.0	0.19 (1)	6.23	A-I 0 / 10168
J-K	0 / 0	-18.2 -18.2	0.58 (1)	10.00	G-E 0 / 10181
K-I	0 / 0	-18.2 -18.2	0.58 (1)	10.00	
I-L	0 / 10000	-18.2 -18.2	0.97 (1)	10.00	
L-H	0 / 10000	-18.2 -18.2	0.97 (1)	10.00	
H-M	0 / 10012	-18.2 -18.2	0.97 (1)	10.00	
M-G	0 / 10012	-18.2 -18.2	0.97 (1)	10.00	
G-N	0 / 0	-18.2 -18.2	0.57 (1)	10.00	
N-F	0 / 0	-18.2 -18.2	0.57 (1)	10.00	

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	9-6-12	-1292	-1292	---	BACK	VERT	TOTAL	---	C1
I	3-6-12	-1292	-1292	---	BACK	VERT	TOTAL	---	C1
K	1-6-12	-1292	-1292	---	BACK	VERT	TOTAL	---	C1
L	5-6-12	-1292	-1292	---	BACK	VERT	TOTAL	---	C1
M	7-6-12	-1292	-1292	---	BACK	VERT	TOTAL	---	C1
N	11-6-12	-1292	-1292	---	BACK	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 (0.43")
CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
ALLOWABLE DEFL.(TL) = L/360 (0.43")
CALCULATED VERT. DEFL.(TL) = L/792 (0.20")CSI: TC=0.54/0.97 (D-E-1), BC=0.97/0.97 (G-H-1),
WB=0.90/0.97 (E-G-1), SSI=0.54/1.00 (H-I-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)
	MAX	MIN	MAX
MT20	650	371	1747
	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (I) (INPUT = 0.90)
JSI METAL= 0.88 (I) (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.	GREENPARK - ZADORRA ESTATES - VILLA 12-3	DRWG NO.
NE0723-139	G04	1	2	TRUSS DESC.		

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	8.0	2.25	3.00
B	TMVW-t	MT20	4.0	4.0		
C	TTW+p	MT20	6.0	6.0	2.50	3.00
D	TMVW-t	MT20	4.0	4.0		
E	TMVW-p	MT20	5.0	8.0	2.25	3.00
F	BMV1+p	MT20	3.0	4.0	2.00	1.50
G	BMVW-t	MT20	8.0	8.0	4.25	4.00
H	BMVW-t	MT20	6.0	8.0	4.25	3.00
I	BMVW-t	MT20	8.0	8.0	4.25	4.00
J	BMV1+p	MT20	3.0	4.0	2.00	1.50

CORPORATION OF THE CITY OF OSHAWA

**TRUE COPY
OF PERMIT PLANS**

Nov 14 2023

PER:

CHIEF BUILDING OFFICIAL

MHP 23039

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.

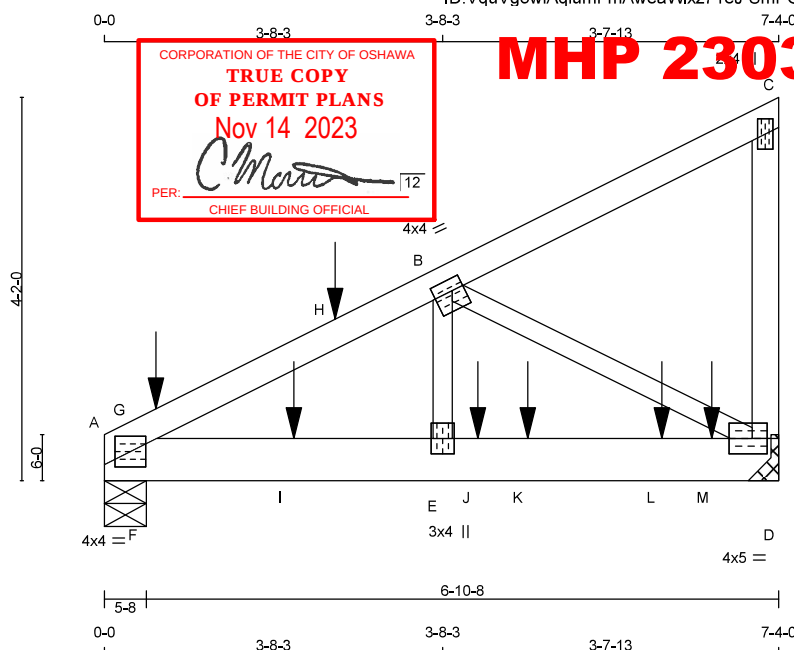


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-139	G05	1	2	TRUSS DESC.	VILLA 12-3	

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Scale = 1:25.0



TOTAL WEIGHT = 2 X 31 = 62 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
A - C	2x4	DRY	No.2	SPF
D - C	2x4	DRY	No.2	SPF
A - D	2x6	DRY	No.2	SPF
ALL WEBS	2x3	DRY	No.2	SPF
DRY: SEASONED LUMBER.				

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

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : (0.122"x3") SPIRAL NAILS		
A - C 1 12	SIDE(0,0)	
C - D 1 12	TOP	
BOTTOM CHORDS : (0.122"x3") SPIRAL NAILS		
A - D 2 12	SIDE(0,0)	
WEBS : (0.122"x3") SPIRAL NAILS		
2x3 1 6		

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERRING, REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMB1-I	MT20	4.0	4.0		
B	TBWW1-I	MT20	4.0	4.0	1.50	1.50
C	TMV+p	MT20	2.0	4.0		
D	BMVW1-I	MT20	4.0	5.0	2.00	2.00
E	BMV+w	MT20	3.0	4.0		

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

JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
A	2469	0	2469	0	0	5-8	1-8
D	2608	0	2608	0	0	MECHANICAL	

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

UNFACTORED REACTIONS

JT	1ST LOASE	MAX./MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
A	1725	1252 / 0	0 / 0	0 / 0	0 / 0	0 / 0	473 / 0	0 / 0
D	1817	1343 / 0	0 / 0	0 / 0	0 / 0	0 / 0	474 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.88 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.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)	MAX. UNBRAC LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 (LC)
FR-TO					FR-TO		
A-G	-3209 / 0	-119.4	-119.4	0.17 (1)	E-B	0 / 1948	0.24 (1)
G-H	-3050 / 0	-119.4	-119.4	0.31 (1)	B-D	-3149 / 0	0.44 (1)
H-B	-3050 / 0	-119.4	-119.4	0.31 (1)	F-G	-798 / 0	0.00 (1)
B-C	-32 / 0	-119.4	-119.4	0.19 (1)			
D-C	-148 / 0	0.0	0.0	0.02 (1)			
A-F	0 / 2779	-18.2	-18.2	0.31 (1)			
F-I	0 / 2779	-18.2	-18.2	0.37 (1)			
I-E	0 / 2779	-18.2	-18.2	0.37 (1)			
E-J	0 / 2779	-18.2	-18.2	0.49 (1)			
J-K	0 / 2779	-18.2	-18.2	0.49 (1)			
K-L	0 / 2779	-18.2	-18.2	0.49 (1)			
L-M	0 / 2779	-18.2	-18.2	0.49 (1)			
M-D	0 / 2779	-18.2	-18.2	0.49 (1)			

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	8-0	-453	-453	—	BACK	VERT	TOTAL	—	C1
H	2-7-4	-440	-440	—	BACK	VERT	TOTAL	—	C1
I	2-0-12	-318	-318	—	FRONT	VERT	TOTAL	—	C1
J	4-0-12	-318	-318	—	FRONT	VERT	TOTAL	—	C1
K	4-7-4	-507	-507	—	BACK	VERT	TOTAL	—	C1
L	6-0-12	-318	-318	—	FRONT	VERT	TOTAL	—	C1
M	6-7-4	-485	-485	—	BACK	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, 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 (0.24")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL) = L/360 (0.24")
CALCULATED VERT. DEFL.(TL) = L/999 (0.05")

CSI: TC=0.31/0.97 (B-G:1), BC=0.49/0.97 (D-E:1),
WB=0.44/0.97 (B-D:1), SS=0.47/1.00 (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

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
		788	1987
		1873	

PLATE PLACEMENT TOL. = 0.250 inches

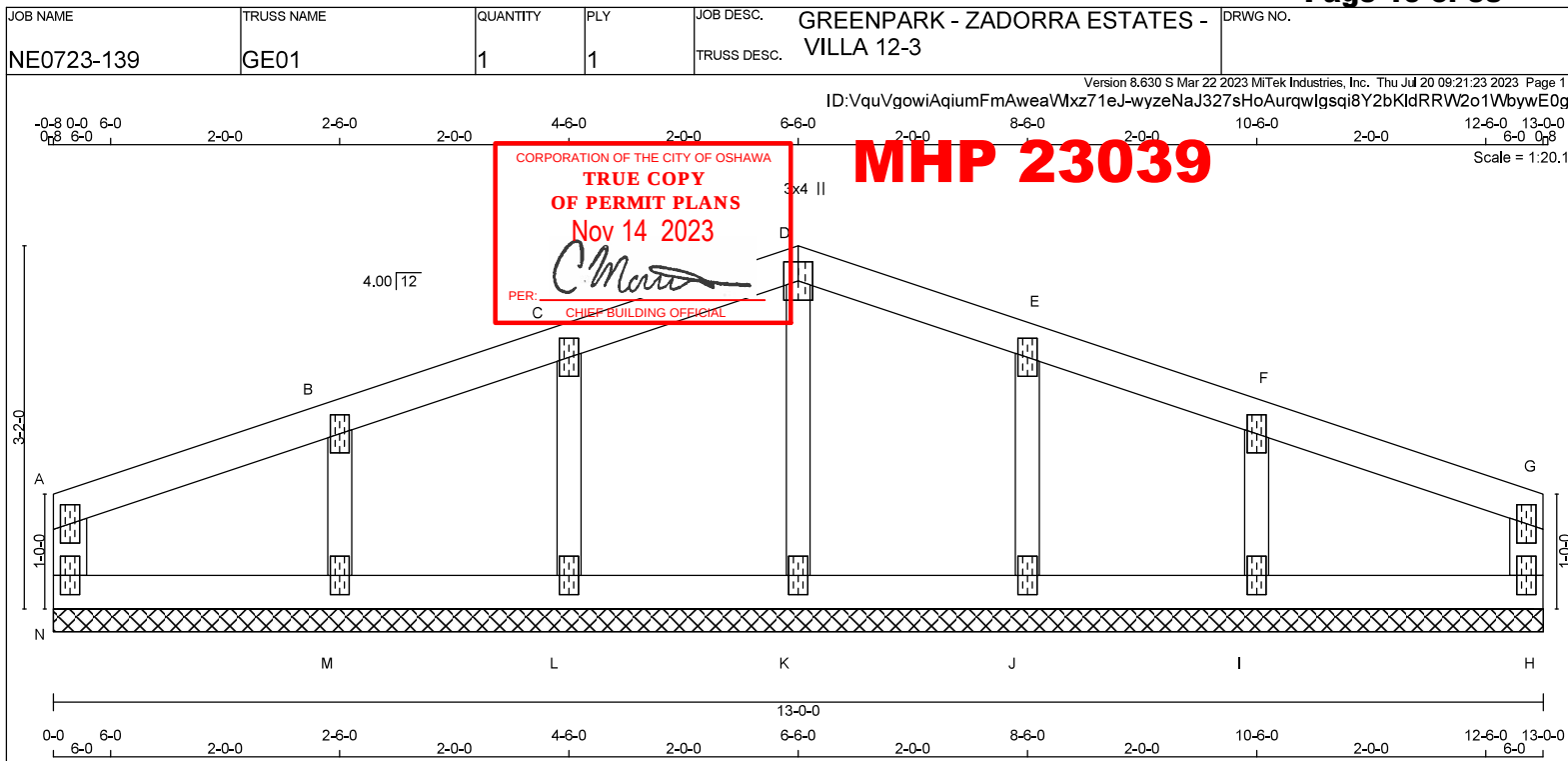
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (B) (INPUT = 0.90)
JSI METAL= 0.62 (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
N - A	2x4	DRY	No.2
A - D	2x4	DRY	No.2
D - G	2x4	DRY	No.2
H - G	2x4	DRY	No.2
N - H	2x4	DRY	No.2

ALL WEBS 2x3 DRY No.2
ALL GABLE WEBS 2x3 DRY No.2
DRY: SEASONED LUMBER.

GABLE STUDS SPACED AT 24-0 OC.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	2.0	4.0		
B, C, E, F						
B	TMV+w	MT20	2.0	4.0		
D	TTW+p	MT20	3.0	4.0		
G	TMV+p	MT20	2.0	4.0		
H	BMV1+p	MT20	2.0	4.0		
I, J, K, L, M						
I	BMV1+w	MT20	2.0	4.0		
N	BMV1+p	MT20	2.0	4.0		

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

DESIGNER BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

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

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 LC1 (LC)	MAX. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX LC1 (LC)
FR-TO		FROM TO			FR-TO		
N-A	-166 / 0	0.0 0.0 0.06 (1)	7.81	K-D	-212 / 0	0.04 (1)	
A-B	-74 / 0	-119.4 -119.4 0.08 (1)	6.25	L-C	-227 / 0	0.04 (1)	
B-C	-70 / 0	-119.4 -119.4 0.08 (1)	6.25	M-B	-277 / 0	0.04 (1)	
C-D	-61 / 0	-119.4 -119.4 0.06 (1)	6.25	J-E	-227 / 0	0.04 (1)	
D-E	-61 / 0	-119.4 -119.4 0.06 (1)	6.25	I-F	-277 / 0	0.04 (1)	
E-F	-70 / 0	-119.4 -119.4 0.08 (1)	6.25				
F-G	-74 / 0	-119.4 -119.4 0.08 (1)	6.25				
H-G	-166 / 0	0.0 0.0 0.06 (1)	7.81				
N-M	0 / 72	-18.2 -18.2 0.03 (4)	10.00				
M-L	0 / 64	-18.2 -18.2 0.03 (4)	10.00				
L-K	0 / 59	-18.2 -18.2 0.02 (4)	10.00				
K-J	0 / 59	-18.2 -18.2 0.02 (4)	10.00				
J-I	0 / 64	-18.2 -18.2 0.03 (4)	10.00				
I-H	0 / 72	-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	=	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

CSI: TC=0.08/0.97 (F-G-1), BC=0.03/0.97 (H-I-4),
WB=0.04/0.97 (F-I-1), SSI=0.11/1.00 (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 (PSI)	SECTION (PLI)
MT20	650	371	1747
	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

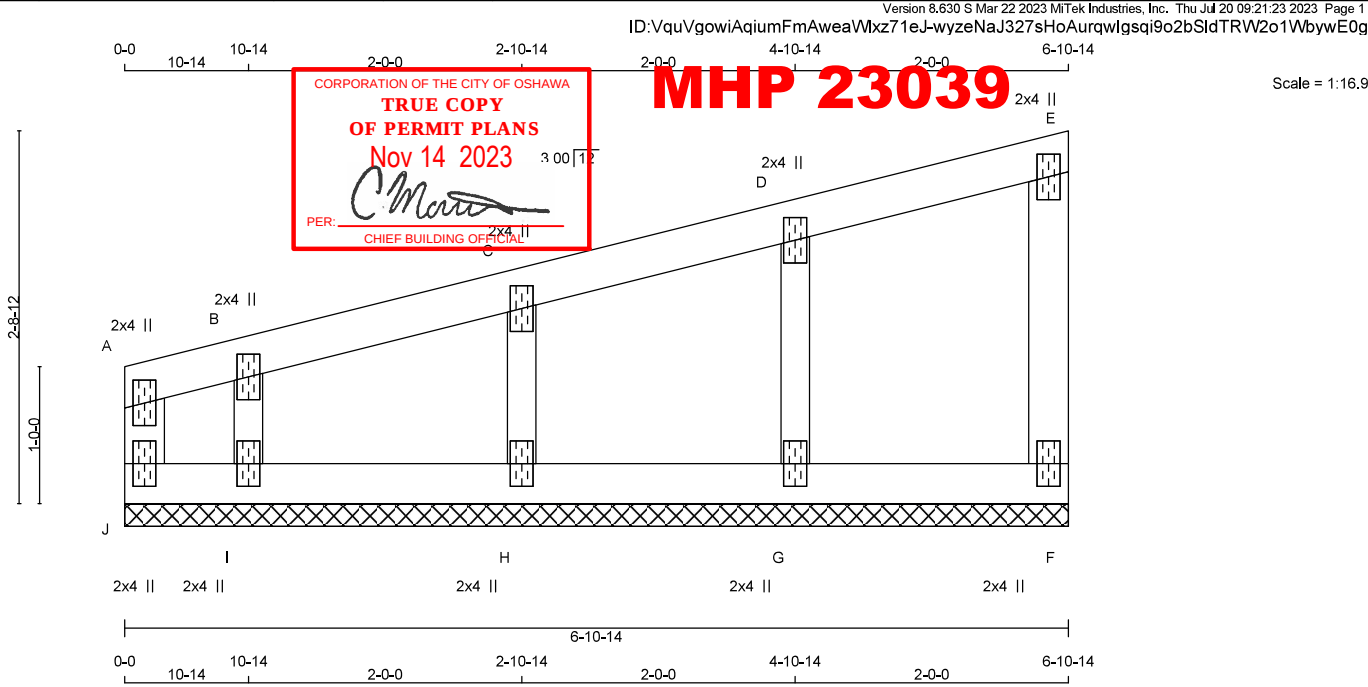
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.15 (F) (INPUT = 0.90)
JSI METAL= 0.11 (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.



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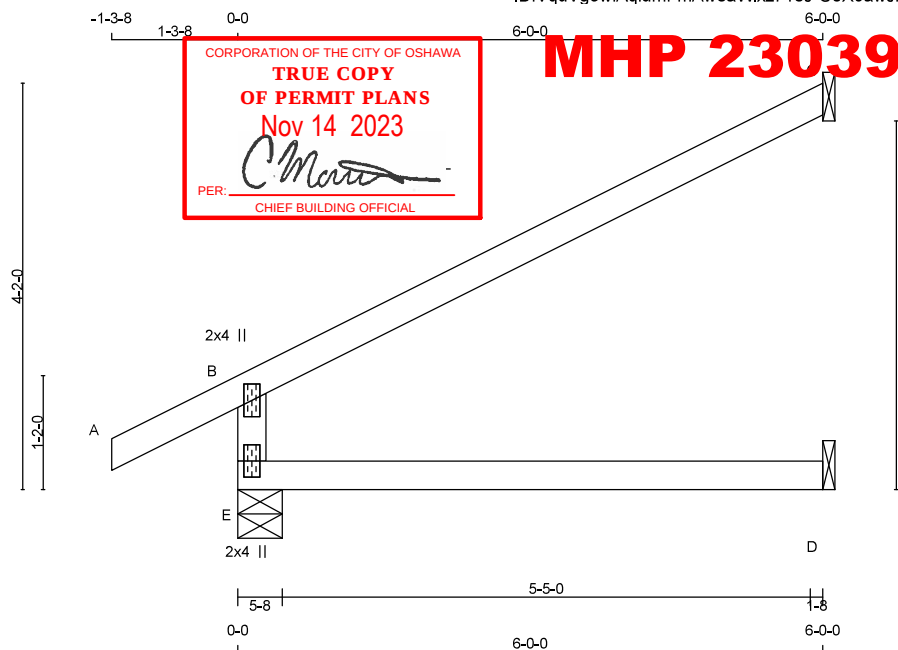
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IN THE DESIGN OF THIS COMPONENT.**



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-139	J01	11	1	TRUSS DESC.	VILLA 12-3	

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ID: VquVgowiAqumFmAwewaWlxz71eJ-O8X0awJhpQ_8QKT2OepvO2E90SvsU4JaliYa21ywE0f



TOTAL WEIGHT = 11 X 17 = 188 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	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
E	674	0	674	0	0	5-8	1-8
C	269	0	269	0	0	1-8	1-8
D	45	0	51	0	0	1-8	1-8

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX./MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	468	355 / 0	0 / 0	0 / 0	0 / 0	113 / 0	0 / 0	0 / 0
C	184	157 / 0	0 / 0	0 / 0	0 / 0	27 / 0	0 / 0	0 / 0
D	36	0 / 0	0 / 0	0 / 0	0 / 0	36 / 0	0 / 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)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. LC1 (PLF)
FR-TO					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) , SSI=0.31/1.00 (B-C-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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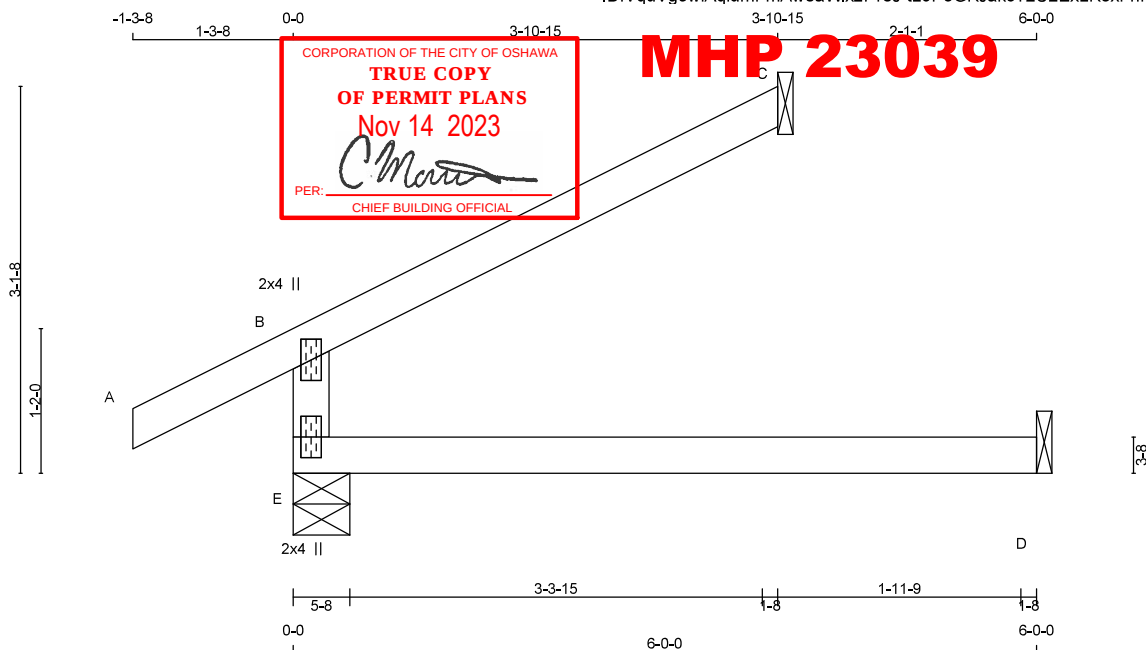


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-139	J02	3	1	TRUSS DESC.	VILLA 12-3	

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ID:VquVgowiAqiumFmAweaWmxz71eJ-tL5PoGKJak672U2ExLK8xFnRMsE5DXZjzMH8aTywE0e

Scale = 1:18.6



TOTAL WEIGHT = 3 X 14 = 43 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
E	518	0	518	0
C	175	0	175	0
D	45	0	51	0

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

UNFACTORED REACTIONS

JT	1ST CASE	MAX./MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	362	265 / 0	0 / 0	0 / 0	0 / 0	97 / 0	0 / 0	0 / 0
C	120	102 / 0	0 / 0	0 / 0	0 / 0	18 / 0	0 / 0	0 / 0
D	36	0 / 0	0 / 0	0 / 0	0 / 0	36 / 0	0 / 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: (4)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. VERT. LOAD (LC1)	MAX. HORIZ. LOAD (LC2)	MEMB. LENGTH (FT)	MAX. FACTORED FORCE (LBS)	MAX. HORIZ. LOAD (LC2)
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 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=0.31/0.97 (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)	(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 IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.

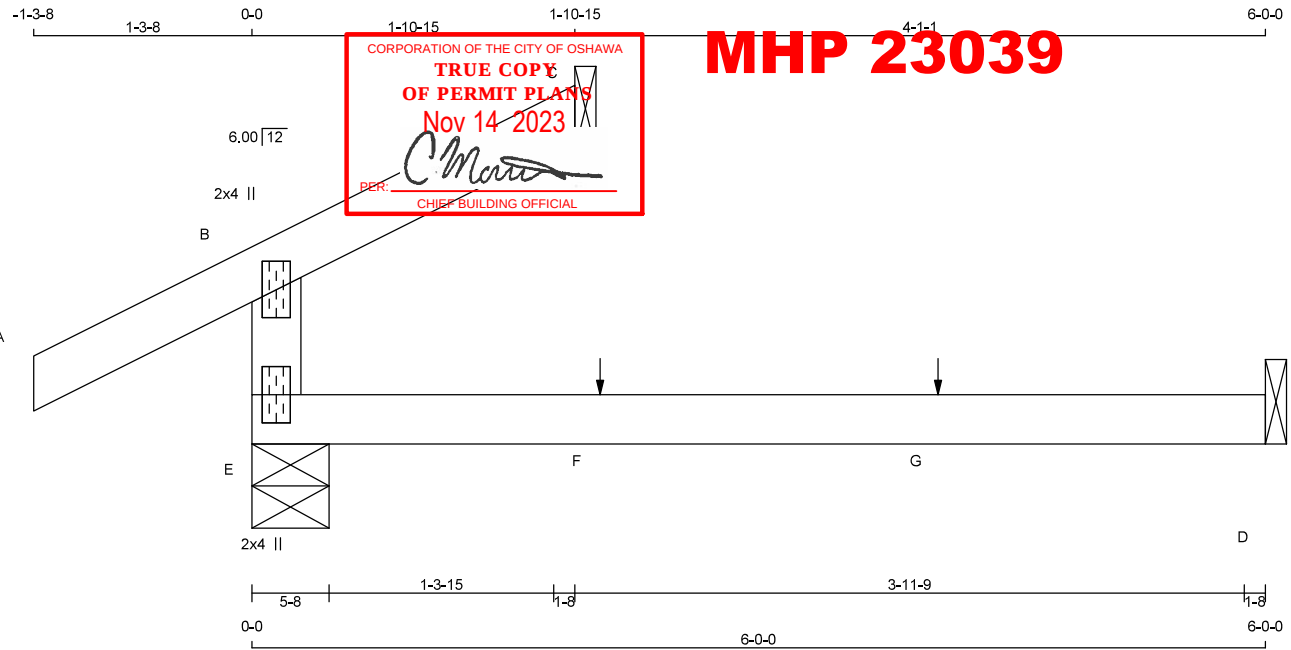


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-139	J03	3	1	TRUSS DESC.	VILLA 12-3	

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ID:VquVgowiAqiumFmAweaVMxz71eJ-tL5PoGKJak6?2U2ExLK8xFnTnsE5DXZjzMH8aTywE0e

Scale = 1:13.6



TOTAL WEIGHT = 3 X 12 = 36 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	368	0	368	0	0	5-8	1-8
C	86	0	86	0	0	1-8	1-8
D	45	0	51	0	0	1-8	1-8

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

UNFACTORED REACTIONS

1ST LCASE	MAX./MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	259	177 / 0	0 / 0	0 / 0	0 / 0	82 / 0	0 / 0
C	59	50 / 0	0 / 0	0 / 0	0 / 0	9 / 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

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.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. VERT. LOAD (LC1)	MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. VERT. LOAD (LC1)
FR-TO		FROM	TO		FR-TO		
E-B	-304 / 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	-12 / 0	-119.4	-119.4	0.07 (1)	6.25		
E-F	0 / 0	-18.2	-18.2	0.13 (4)	10.00		
F-G	0 / 0	-18.2	-18.2	0.13 (4)	10.00		
G-D	0 / 0	-18.2	-18.2	0.13 (4)	10.00		

SPECIFIED CONCENTRATED LOADS (LBS)

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

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

*** 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, 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=0.16/0.97 (A-B-1), BC=0.13/0.97 (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)	(PLI)
MAX	MIN	MAX	MIN
MT20	650	371	1747
		788	1987
			1873

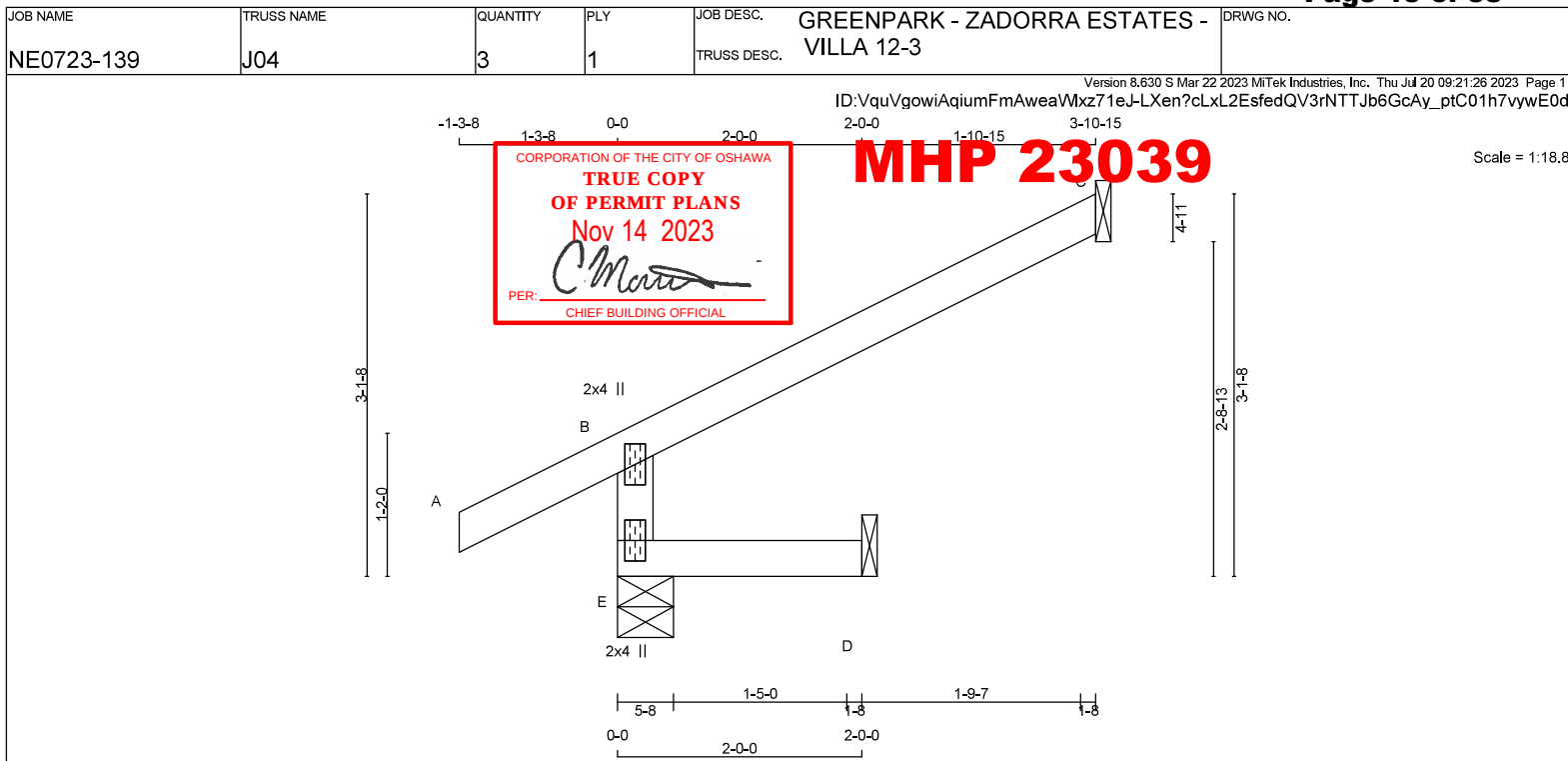
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

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 = 3 X 10 = 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****BEARINGS**

JT	VERT	HORZ	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
E	474	0	474	0	5-8	1-8
C	175	0	175	0	1-8	1-8
D	16	0	16	0	1-8	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	326	265 / 0	0 / 0	0 / 0	0 / 0	62 / 0	0 / 0
C	120	102 / 0	0 / 0	0 / 0	0 / 0	18 / 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

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.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (FT)
FR-TO				FR-TO		
E-B	-454 / 0	0.0	0.01 (4)	7.81		
A-B	0 / 36	-119.4	-119.4	0.16 (1)	10.00	
B-C	-26 / 0	-119.4	-119.4	0.31 (1)	6.25	
E-D	0 / 0	-18.2	-18.2	0.02 (4)	10.00	

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

PATTERN-LOADING CHECK APPLIED TO THIS TRUSS.

DESIGN CRITERIA**SPECIFIED LOADS:**

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

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, 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=0.31/0.97 (B-C:1) , BC=0.02/0.97 (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

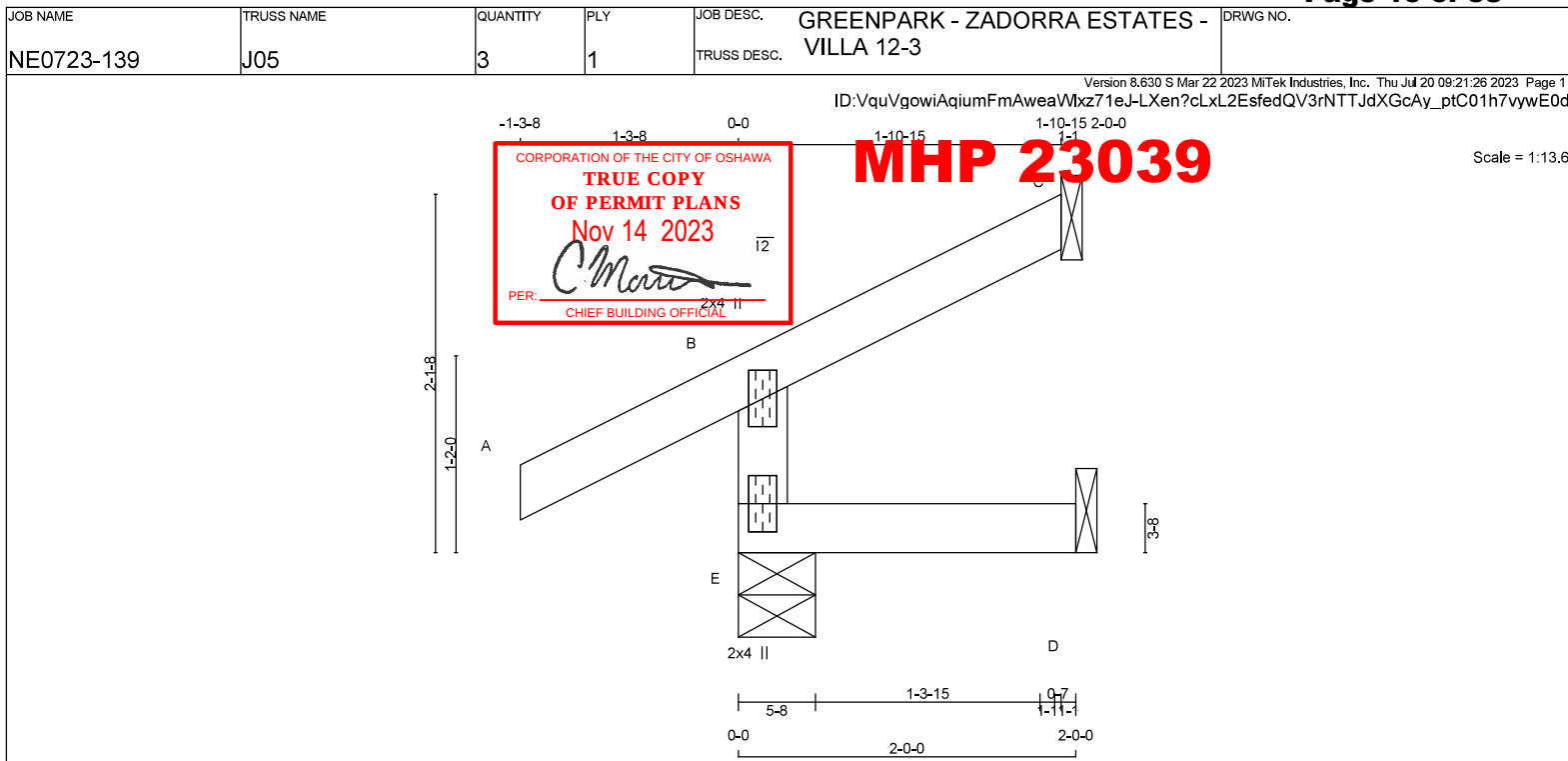
PLATE PLACEMENT TOL. = 0.250 inches

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 IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.



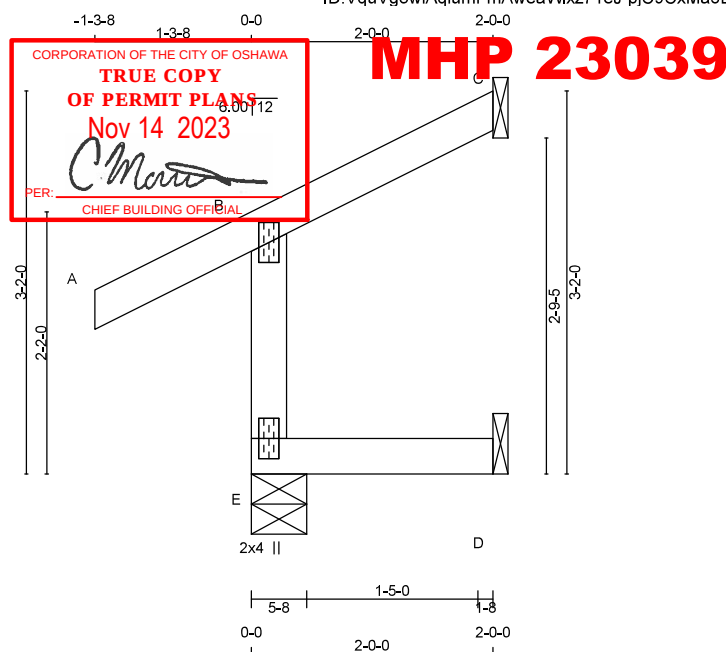


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES - VILLA 12-3	DRWG NO.
NE0723-139	J06	5	1	TRUSS DESC.		

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ID:VquVgowiAqiumFmAwearMx71eJ-pjC9CxMa6LMjHnCc3mMc0gsoHgyNhR20RgmFfMywE0c

Scale = 1:19.1



TOTAL WEIGHT = 5 X 9 = 43 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**

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
E	329	0	329	0
C	91	0	91	0
D	17	0	19	0

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

UNFACTORED REACTIONS

	1ST LOASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	227	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	14	0 / 0	0 / 0	0 / 0	0 / 0	14 / 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: (5)

	CHORDS				WEBS			
	MAX. FACTORED	FACTORED			MAX. FACTORED			
MEMB.	FORCE (LBS)	VERT. LOAD LC1 (PLF)	MAX. CSI (LC)	MAX. UNBRAC LENGTH	MEMB.	FORCE (LBS)	MAX. CSI (LC)	
FR-TO		FROM	TO		FR-TO			
E-B	-310 / 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

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
	(PSI)	(PL)	(PL)
MT20	650	371	1747
		788	1987
			1873

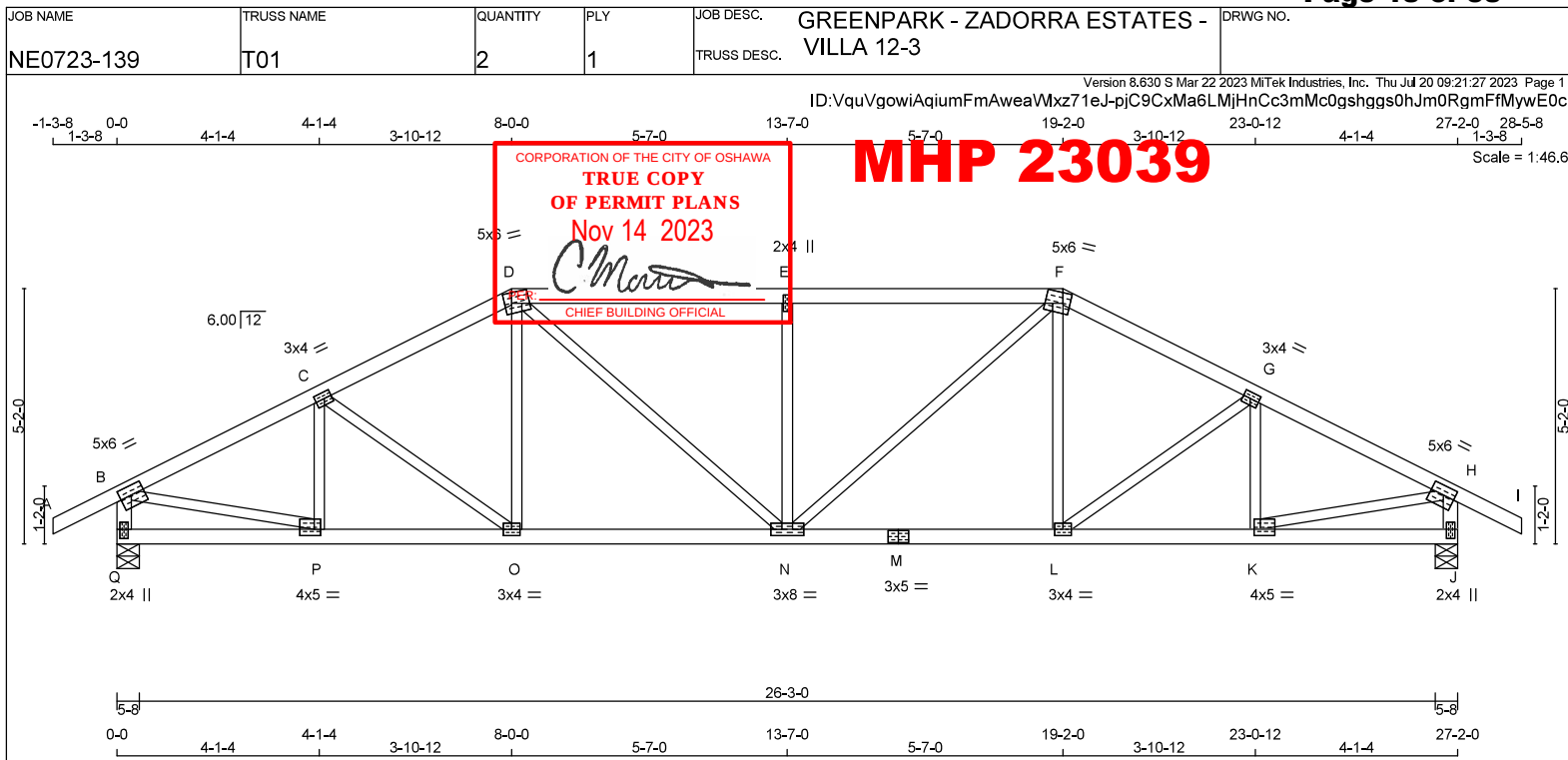
PLATE PLACEMENT TOL. = 0.250 inches

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.





TOTAL WEIGHT = 2 X 110 = 220 lb

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 BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
Q	2032	0	2032	0
J	2032	0	2032	0

UNFACTORED REACTIONS

	1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
Q	1418	1040 / 0
J	1418	1040 / 0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.55 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					FR-TO		
A-B	0 / 36	-119.4	-119.4 0.16 (1)	10.00	P-C	-421 / 0	0.08 (1)
B-C	-2558 / 0	-119.4	-119.4 0.30 (1)	4.02	C-O	-166 / 0	0.07 (1)
C-D	-2457 / 0	-119.4	-119.4 0.29 (1)	4.10	O-D	0 / 198	0.04 (1)
D-E	-2702 / 0	-119.4	-119.4 0.58 (1)	3.55	D-N	0 / 695	0.16 (1)
E-F	-2702 / 0	-119.4	-119.4 0.58 (1)	3.55	N-E	-817 / 0	0.32 (1)
F-G	-2457 / 0	-119.4	-119.4 0.29 (1)	4.10	N-F	0 / 695	0.16 (1)
G-H	-2558 / 0	-119.4	-119.4 0.30 (1)	4.02	L-F	0 / 198	0.04 (1)
H-I	0 / 36	-119.4	-119.4 0.16 (1)	10.00	L-G	-166 / 0	0.07 (1)
Q-B	-1993 / 0	0.0	0.0 0.20 (1)	5.90	K-G	-421 / 0	0.08 (1)
J-H	-1993 / 0	0.0	0.0 0.20 (1)	5.90	B-P	0 / 2358	0.53 (1)
					K-H	0 / 2358	0.53 (1)
Q-P	0 / 0	-18.2	-18.2 0.07 (4)	10.00			
P-O	0 / 2309	-18.2	-18.2 0.43 (1)	10.00			
O-N	0 / 2178	-18.2	-18.2 0.40 (1)	10.00			
N-M	0 / 2178	-18.2	-18.2 0.40 (1)	10.00			
M-L	0 / 2178	-18.2	-18.2 0.40 (1)	10.00			
L-K	0 / 2309	-18.2	-18.2 0.43 (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 LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.91")
CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
ALLOWABLE DEFL.(TL) = L/360 (0.91")
CALCULATED VERT. DEFL.(TL) = L/999 (0.21")

CSI: TC=0.58/0.97 (D-E:1) , BC=0.43/0.97 (O-P:1) ,
WB=0.53/0.97 (B-P:1) , SSI=0.32/1.00 (E-F:1)DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10
SHEAR=1.10 TENS=1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (P) (INPUT = 0.90)
JSI METAL = 0.70 (M) (INPUT = 1.00)

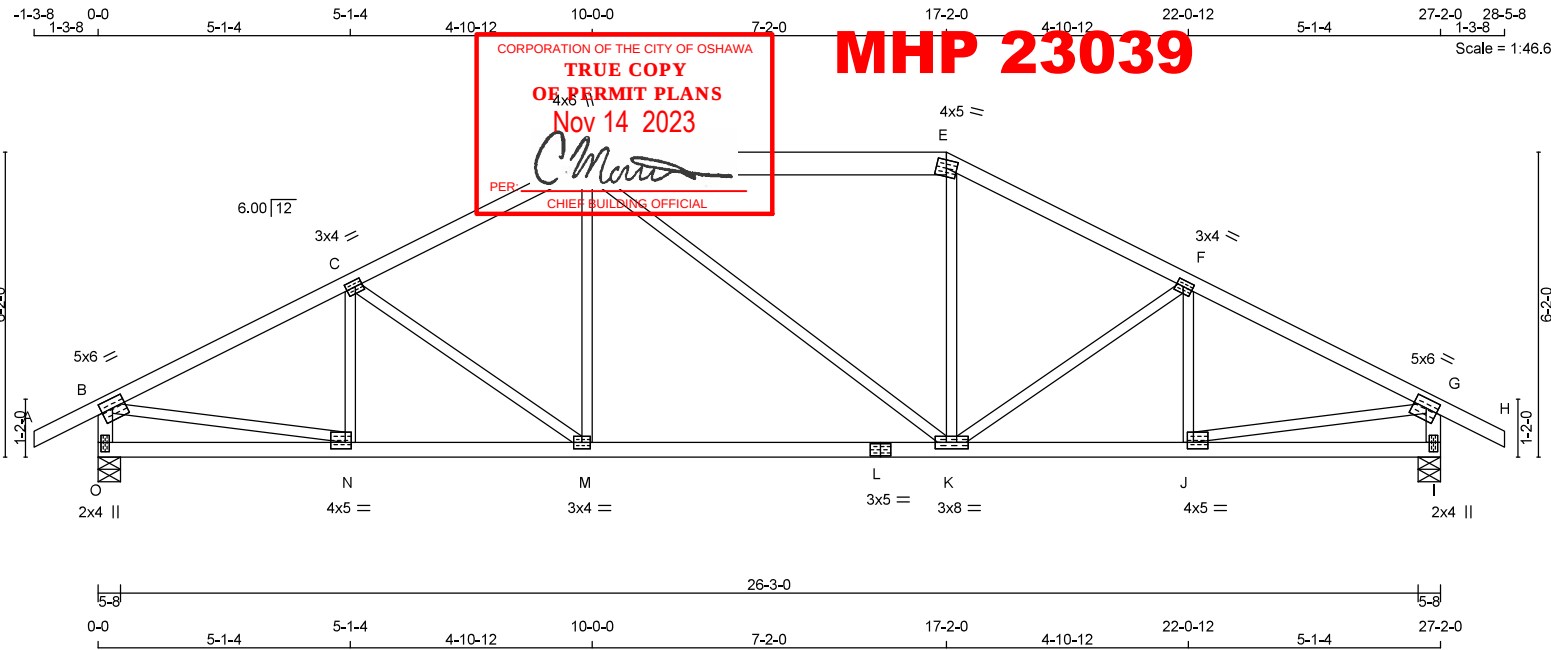
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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-139	T02	2	1	TRUSS DESC.	VILLA 12-3	

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TOTAL WEIGHT = 2 X 113 = 226 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - D	2x4	DRY	No.2
D - E	2x6	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	TMWW4	MT20	5.0	6.0	2.25	2.75
C	TMWW4	MT20	3.0	4.0	1.50	1.75
D	TTWW+m	MT20	4.0	6.0		
E	TTWW-m	MT20	4.0	5.0		
F	TMWW4	MT20	3.0	4.0	1.50	1.75
G	TMWW4	MT20	5.0	6.0	2.25	2.75
I	BMV1+p	MT20	2.0	4.0	2.25	1.00
J	BMWW4	MT20	4.0	5.0	1.50	1.50
K	BMWW4	MT20	3.0	8.0		
L	BS4	MT20	3.0	5.0		
M	BMWW4	MT20	3.0	4.0		
N	BMWW4	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 GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
O	2032	0	2032	0
I	2032	0	2032	0

UNFACTORED REACTIONS

JT	1ST LCASE	MAX. MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
O	1418	1040 / 0	0 / 0	378 / 0	0 / 0
I	1418	1040 / 0	0 / 0	378 / 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 = 3.78 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)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	LC1	MAX. UNBRACED LENGTH	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO						FR-TO			
A-B	0 / 36	-119.4	-119.4	0.16 (1)	10.00	N-C	-319 / 0	0.07 (1)	
B-C	-2628 / 0	-119.4	-119.4	0.47 (1)	3.78	C-M	-408 / 0	0.24 (1)	
C-D	-2311 / 0	-119.4	-119.4	0.44 (1)	4.02	M-D	0 / 358	0.08 (1)	
D-E	-2039 / 0	-119.4	-119.4	0.41 (1)	5.11	D-K	0 / 0	0.00 (1)	
E-F	-2312 / 0	-119.4	-119.4	0.44 (1)	4.02	K-E	0 / 359	0.08 (1)	
F-G	-2627 / 0	-119.4	-119.4	0.47 (1)	3.78	K-F	-406 / 0	0.24 (1)	
G-H	0 / 36	-119.4	-119.4	0.16 (1)	10.00	J-F	-320 / 0	0.07 (1)	
O-B	-1987 / 0	0.0	0.0	0.20 (1)	5.91	B-N	0 / 2411	0.54 (1)	
I-G	-1987 / 0	0.0	0.0	0.20 (1)	5.91	J-G	0 / 2410	0.54 (1)	
O-N	0 / 0	-18.2	-18.2	0.10 (4)	10.00				
N-M	0 / 2377	-18.2	-18.2	0.47 (1)	10.00				
M-L	0 / 2039	-18.2	-18.2	0.42 (1)	10.00				
L-K	0 / 2039	-18.2	-18.2	0.42 (1)	10.00				
K-J	0 / 2377	-18.2	-18.2	0.48 (1)	10.00				
J-I	0 / 0	-18.2	-18.2	0.10 (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 (0.91")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.10")
 ALLOWABLE DEFL.(TL)= L/360 (0.91")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.22")

CSI: TC=0.47/0.97 (B-C:1) , BC=0.48/0.97 (J-K:1) , WB=0.54/0.97 (B-N:1) , SS=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 (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 = 0.88 (B) (INPUT = 0.90)
JSI METAL = 0.68 (N) (INPUT = 1.00)

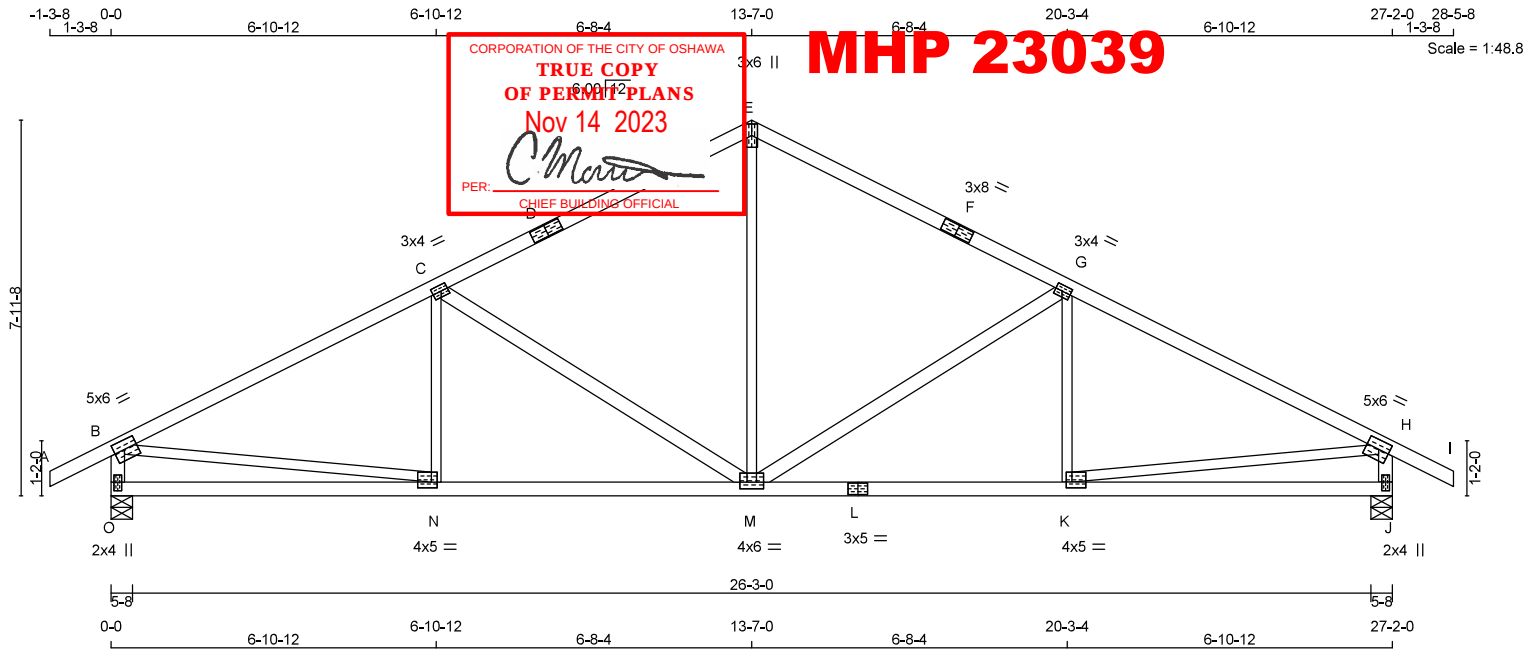
READ ALL NOTES ON THIS PAGE AND ON THE ENGINEERING NOTES: TRUSSES. THE NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
NE0723-139	T04	2	1	GREENPARK - ZADORRA ESTATES - VILLA 12-3	

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ID: VquVgowiAqiumFmAweaWmxz71eJ6KvddNqezdRW5L?ABP455xyuTxk99gJu_FljEywE0a



TOTAL WEIGHT = 2 X 111 = 223 lb

LUMBER

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

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMWW4	MT20	5.0	6.0	2.25	2.75
C	TMWW4	MT20	3.0	4.0	1.50	1.75
D	TS4	MT20	3.0	8.0		
E	TTW+p	MT20	3.0	6.0		
F	TS4	MT20	3.0	8.0		
G	TMWW4	MT20	3.0	4.0	1.50	1.75
H	TMWW4	MT20	5.0	6.0	2.25	2.75
J	BMV1+p	MT20	2.0	4.0	2.25	1.00
K	BMWW4	MT20	4.0	5.0	1.50	1.50
L	BS4	MT20	3.0	5.0		
M	BMWW4	MT20	4.0	6.0	1.75	3.00
N	BMWW4	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 GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
O	2032	0	2032	0
J	2032	0	2032	0

UNFACTORED REACTIONS

	1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
O	1418	1040 / 0
J	1418	1040 / 0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.93 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)	10.00	M-E	0 / 1069	0.24 (1)
B-C	-2645 / 0	-119.4	-119.4 0.92 (1)	2.93	M-G	-874 / 0	0.82 (1)
C-D	-1910 / 0	-119.4	-119.4 0.80 (1)	3.63	K-G	-166 / 76	0.05 (1)
D-E	-1910 / 0	-119.4	-119.4 0.80 (1)	3.63	C-M	-874 / 0	0.82 (1)
E-F	-1910 / 0	-119.4	-119.4 0.80 (1)	3.63	N-C	-166 / 76	0.05 (1)
F-G	-1910 / 0	-119.4	-119.4 0.80 (1)	3.63	B-N	0 / 2422	0.55 (1)
G-H	-2645 / 0	-119.4	-119.4 0.92 (1)	2.93	K-H	0 / 2422	0.55 (1)
H-I	0 / 36	-119.4	-119.4 0.16 (1)	10.00			
O-B	-1978 / 0	0.0	0.0 0.20 (1)	5.92			
J-H	-1978 / 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 / 2404	-18.2	-18.2 0.47 (1)	10.00			
M-L	0 / 2404	-18.2	-18.2 0.47 (1)	10.00			
L-K	0 / 2404	-18.2	-18.2 0.47 (1)	10.00			
K-J	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 (0.91")
CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
ALLOWABLE DEFL.(TL)= L/360 (0.91")
CALCULATED VERT. DEFL.(TL) = L/999 (0.21")

CSI: TC=0.92/0.97 (G-H-1), BC=0.47/0.97 (M-N-1),
WB=0.82/0.97 (C-M-1), SS=0.35/1.00 (G-H-1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES
PLATE GRIP(DRY) SHEAR SECTION
(PSI) (PLI) (PLI)
MAX MIN MAX MIN MAX MIN
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 (L) (INPUT = 1.00)



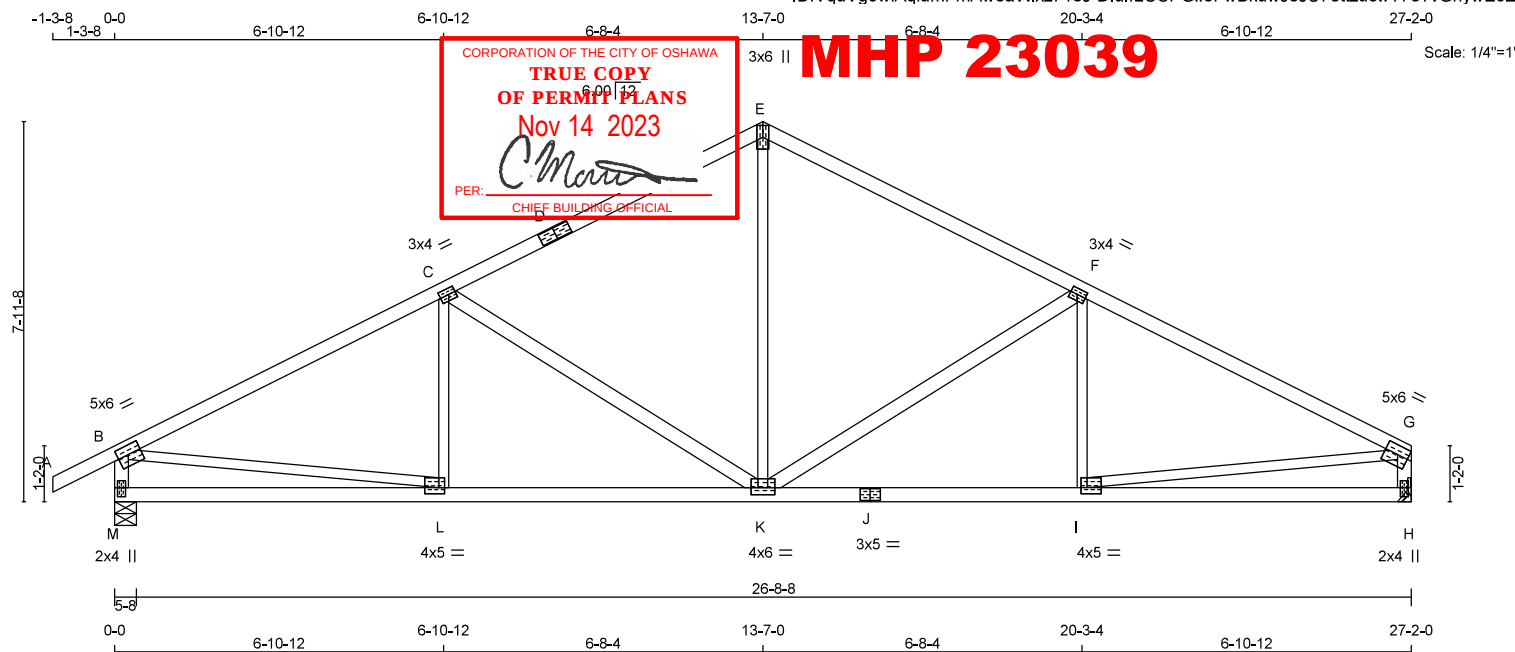
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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
NE0723-139	T05	6	1	GREENPARK - ZADORRA ESTATES - VILLA 12-3	

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ID:VquVgowiAqiumFmAweaWmx71eJ-DlulrzOSPGLI8FwBkuwJeJU7ettzucwT7e?vGhywEOZ



TOTAL WEIGHT = 6 X 110 = 659 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - D	2x4	DRY	No.2
D - 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
C - 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	TMVW4	MT20	3.0	4.0	1.50	1.75
D	TS4	MT20	3.0	8.0		
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	2032	0	2032	0
H	1870	0	1870	0

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

UNFACTORED REACTIONS

	1ST LOASE	MAX./MIN. COMPONENT REACTIONS				
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	SOIL
M	1418	1040 / 0	0 / 0	0 / 0	0 / 0	378 / 0
H	1307	946 / 0	0 / 0	0 / 0	0 / 0	361 / 0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.93 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. UNBRACED LENGTH	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH	
FR-TO		FROM TO		K-E	0 / 1069	0.24 (1)	
A-B	0 / 36	-119.4 -119.4	0.16 (1)	K-F	-874 / 0	0.82 (1)	
B-C	-2645 / 0	-119.4 -119.4	0.92 (1)	L-F	-166 / 76	0.05 (1)	
C-D	-1910 / 0	-119.4 -119.4	0.80 (1)	C-K	-874 / 0	0.82 (1)	
D-E	-1910 / 0	-119.4 -119.4	0.80 (1)	L-C	-166 / 76	0.05 (1)	
E-F	-1910 / 0	-119.4 -119.4	0.80 (1)	B-L	0 / 2422	0.55 (1)	
F-G	-2645 / 0	-119.4 -119.4	0.92 (1)	I-G	0 / 2422	0.55 (1)	
M-B	-1978 / 0	0.0 0.0	0.20 (1)				
H-G	-1816 / 0	0.0 0.0	0.18 (1)				
			6.13				
M-L	0 / 0	-18.2 -18.2	0.20 (4)				
L-K	0 / 2404	-18.2 -18.2	0.47 (1)				
K-J	0 / 2404	-18.2 -18.2	0.47 (1)				
J-I	0 / 2404	-18.2 -18.2	0.47 (1)				
I-H	0 / 0	-18.2 -18.2	0.20 (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

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 (0.91")
CALCULATED VERT. DEFL.(LL) = L/999 (0.12")
ALLOWABLE DEFL.(TL) = L/360 (0.91")
CALCULATED VERT. DEFL.(TL) = L/999 (0.21")CSI: TC=0.92/0.97 (B-C:1), BC=0.47/0.97 (I-K:1),
WB=0.82/0.97 (F-K:1), SSI=0.35/1.00 (B-C:1)DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10
SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
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 = 0.74 (J) (INPUT = 1.00)

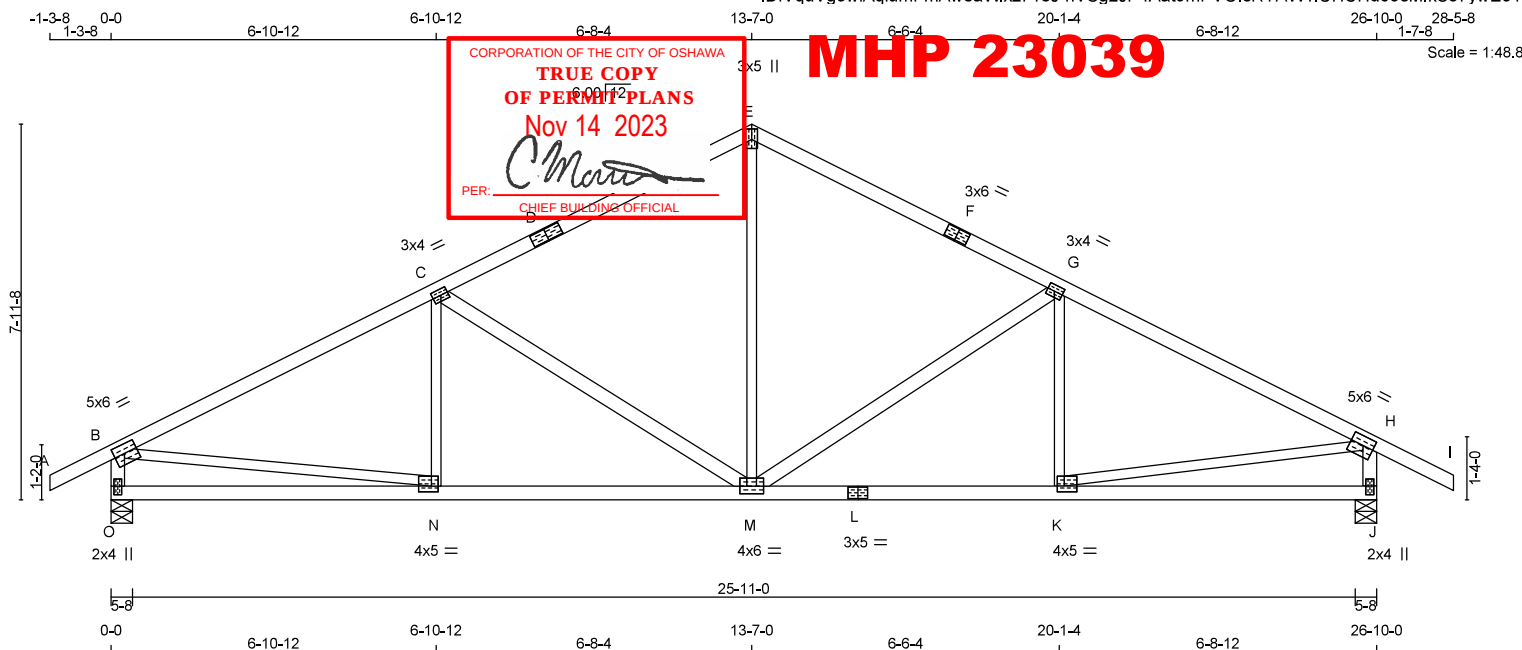
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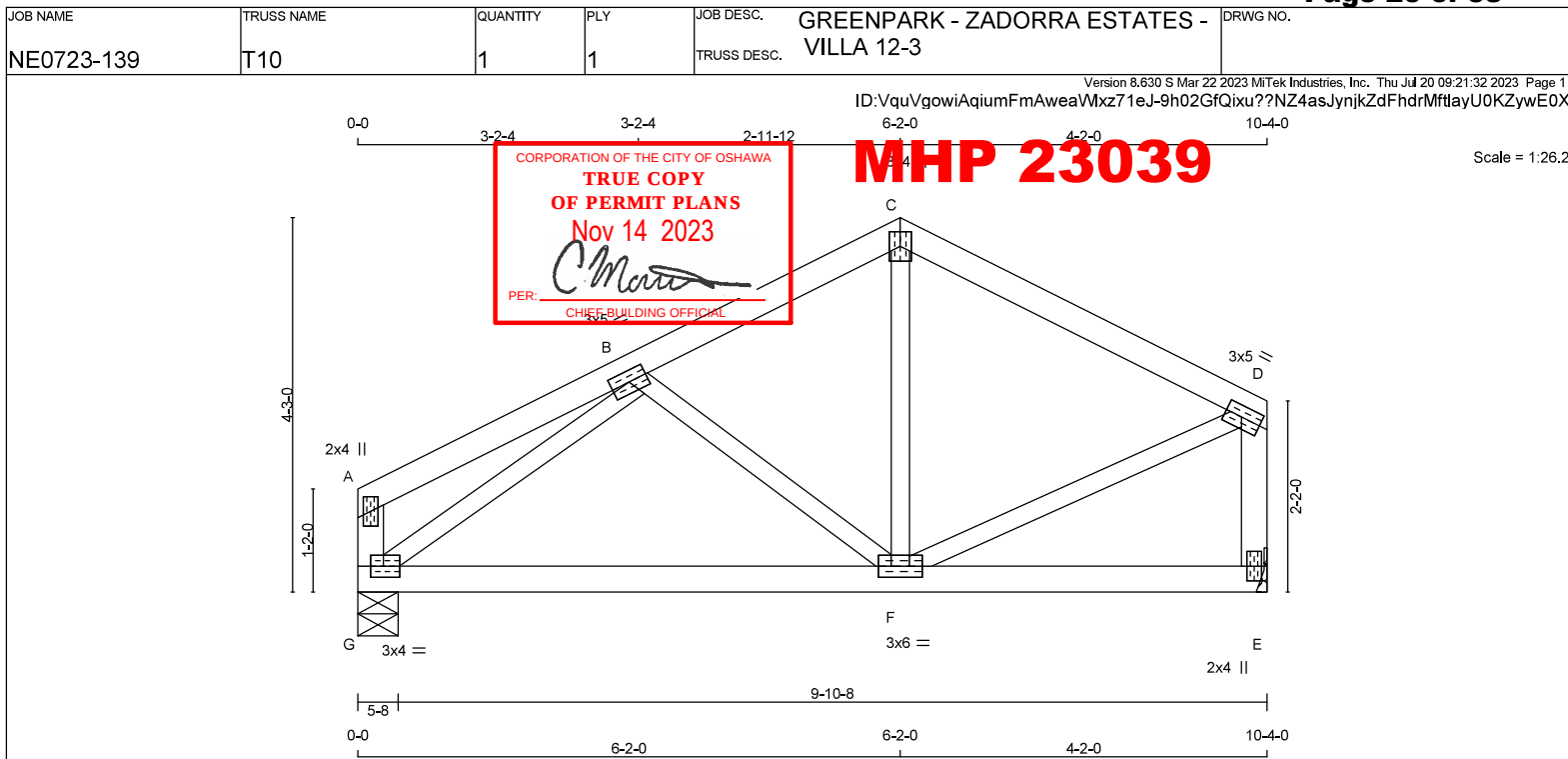


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
NE0723-139	T06	4	1	GREENPARK - ZADORRA ESTATES - VILLA 12-3	

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**LUMBER**

N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - C	2x4	DRY	No.2
C - D	2x4	DRY	No.2
G - A	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
A	TMV+p	MT20	2.0	4.0		
B	TMVW-H	MT20	3.0	5.0		
C	TTV+p	MT20	3.0	4.0		
D	TMVW-H	MT20	3.0	5.0	1.50	2.25
E	BMV1+p	MT20	2.0	4.0		
F	BMVW-H	MT20	3.0	6.0		
G	BMVW1-H	MT20	3.0	4.0	1.50	1.75

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

JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
E	711	0	711	0	0	MECHANICAL	
G	711	0	711	0	0	5-8	1-8

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
E	497	360 / 0	0 / 0	0 / 0	0 / 0	137 / 0	0 / 0
G	497	360 / 0	0 / 0	0 / 0	0 / 0	137 / 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)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PL)	MAX. VERT. LOAD (PL)	MAX. UNBRACED LENGTH (FT)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. VERT. LOAD (PL)
FR-TO		FROM	TO		FR-TO		
A-B	0 / 18	-119.4	-119.4	0.17 (1)	10.00	B-F	-262 / 0
B-C	-537 / 0	-119.4	-119.4	0.13 (1)	6.25	F-C	0 / 84
C-D	-518 / 0	-119.4	-119.4	0.27 (1)	6.25	G-B	-848 / 0
G-A	-144 / 0	0.0	0.0	0.01 (1)	7.81	F-D	0 / 508
E-D	-687 / 0	0.0	0.0	0.08 (1)	7.81		
G-F	0 / 669	-18.2	-18.2	0.19 (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 LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.34")
CALCULATED VERT. DEFL.(LL) = $L/999$ (0.01")
ALLOWABLE DEFL.(TL) = $L/360$ (0.34")
CALCULATED VERT. DEFL.(TL) = $L/999$ (0.05")

CSI: TC=0.27/0.97 (C-D:1), BC=0.19/0.97 (F-G:4),
WB=0.22/0.97 (B-G:1), SSI=0.17/1.00 (C-D:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

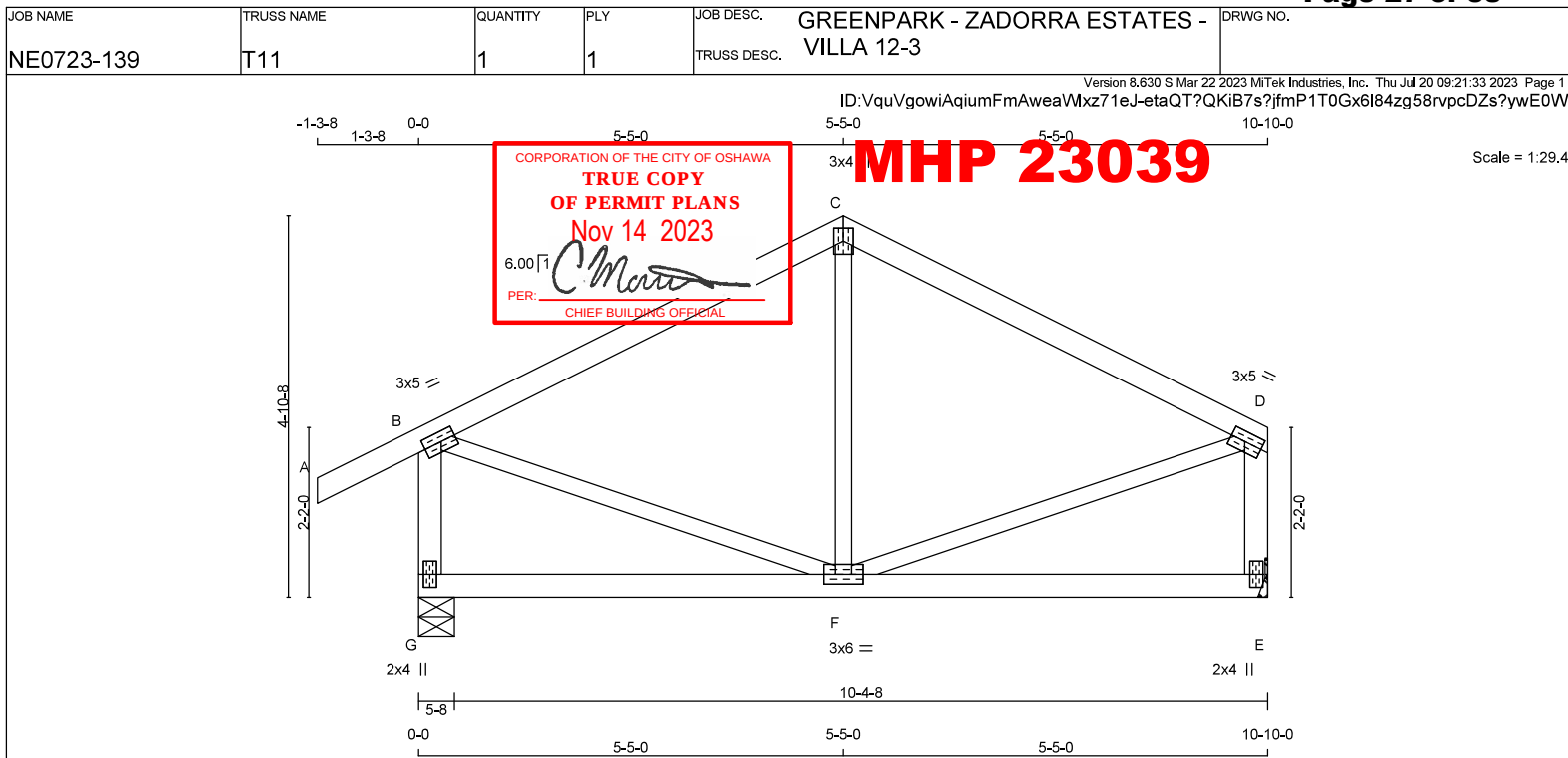
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (G) (INPUT = 0.90)
JSI METAL= 0.23 (G) (INPUT = 1.00)



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TOTAL WEIGHT = 44 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - C	2x4	DRY	No.2
C - D	2x4	DRY	No.2
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	TMVWH	MT20	3.0	5.0	1.50	2.25
C	TTW+p	MT20	3.0	4.0		
D	TMVWH	MT20	3.0	5.0	1.50	2.25
E	BMV1+p	MT20	2.0	4.0		
F	BMVWH	MT20	3.0	6.0		
G	BMV1+p	MT20	2.0	4.0		

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

DESCR.	SPF	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
G	908	0	908	0	0
E	746	0	746	0	0

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	632	472 / 0	0 / 0	0 / 0	0 / 0	160 / 0	0 / 0
E	521	377 / 0	0 / 0	0 / 0	0 / 0	144 / 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)

MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. VERT. LOAD (LC1)	MAX. VERT. LOAD (LC2)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. VERT. LOAD (LC1)
FR-TO		FROM	TO		FR-TO		
A-B	0 / 36	-119.4	-119.4	0.16 (1)	10.00	F-C	-191 / 45
B-C	-509 / 0	-119.4	-119.4	0.45 (1)	6.25	B-F	0 / 481
C-D	-509 / 0	-119.4	-119.4	0.45 (1)	6.25	F-D	0 / 481
G-B	-869 / 0	0.0	0.0	0.10 (1)	7.81		
E-D	-707 / 0	0.0	0.0	0.08 (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 LOAD

ALLOWABLE DEFL.(LL) = $L/360$ (0.36")
 CALCULATED VERT. DEFL.(LL) = $L/999$ (0.01")
 ALLOWABLE DEFL.(TL) = $L/360$ (0.36")
 CALCULATED VERT. DEFL.(TL) = $L/999$ (0.02")

CSI: TC=0.45/0.97 (B-C:1), BC=0.15/0.97 (F-G:4),
 WB=0.11/0.97 (D-F:1), SSI=0.23/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.84 (F) (INPUT = 0.90)
 JSI METAL= 0.21 (B) (INPUT = 1.00)



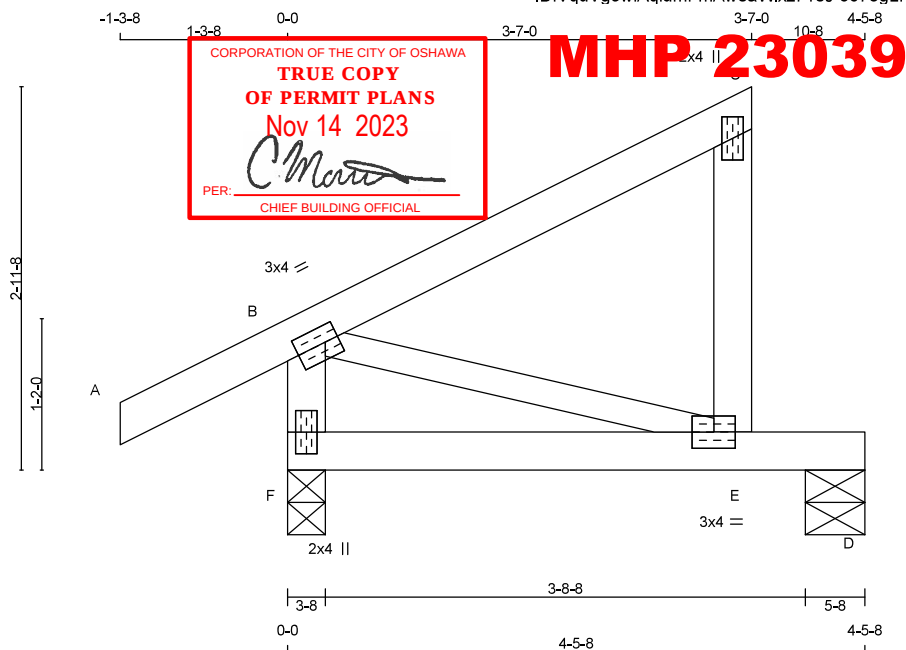
READ ALL NOTES ON THIS PAGE AND ON THE
 ENGINEERING NOTES: TRUSSES. THE NOTE PAGE
 IS AN INTEGRAL PART OF THIS DRAWING AS IT
 CONTAINS SPECIFICATIONS AND CRITERIA USED
 IN THE DESIGN OF THIS COMPONENT.



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES - VILLA 12-3	DRWG NO.
NE0723-139	T13	5	1	TRUSS DESC.		

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ID:VquVgowiAqumFmAweaVmx71eJ-637ogLRzSVFjdsEzzk_Fo9fztUIUqcn22Gz6PSyweOV



Scale = 1:17.8

TOTAL WEIGHT = 5 X 17 = 87 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, SEASONED LUMBER.

DESCR.
SPF
SPF
SPF
SPF**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	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
F	459	0	459	0
D	213	0	213	0

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	318	244 / 0	0 / 0	0 / 0	0 / 0	75 / 0	0 / 0
D	150	100 / 0	0 / 0	0 / 0	0 / 0	50 / 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 = 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)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)	MAX. UNBRACED LENGTH	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO						FR-TO			
A-B	0 / 36	-119.4	-119.4	0.16 (1)	10.00	B-E	0 / 0	0.00 (1)	
B-C	0 / 0	-119.4	-119.4	0.26 (1)	10.00				
E-C	-214 / 0	0.0	0.0	0.03 (1)	7.81				
F-B	-376 / 0	0.0	0.0	0.04 (1)	7.81				
F-E	0 / 0	-18.2	-18.2	0.24 (1)	10.00				
E-D	0 / 0	-18.2	-18.2	0.24 (1)	10.00				

DESIGN CRITERIA**SPECIFIED LOADS:**

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

SPACING = 24.0 IN./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 (0.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/842 (0.06")CSI: TC=0.26/0.97 (B-C:1) , BC=0.24/0.97 (E-F:1) ,
WB=0.00/0.97 (B-E:1) , SSI=0.17/1.00 (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 (PSI)	SECTION (PLI)
MT20	650	371	1747

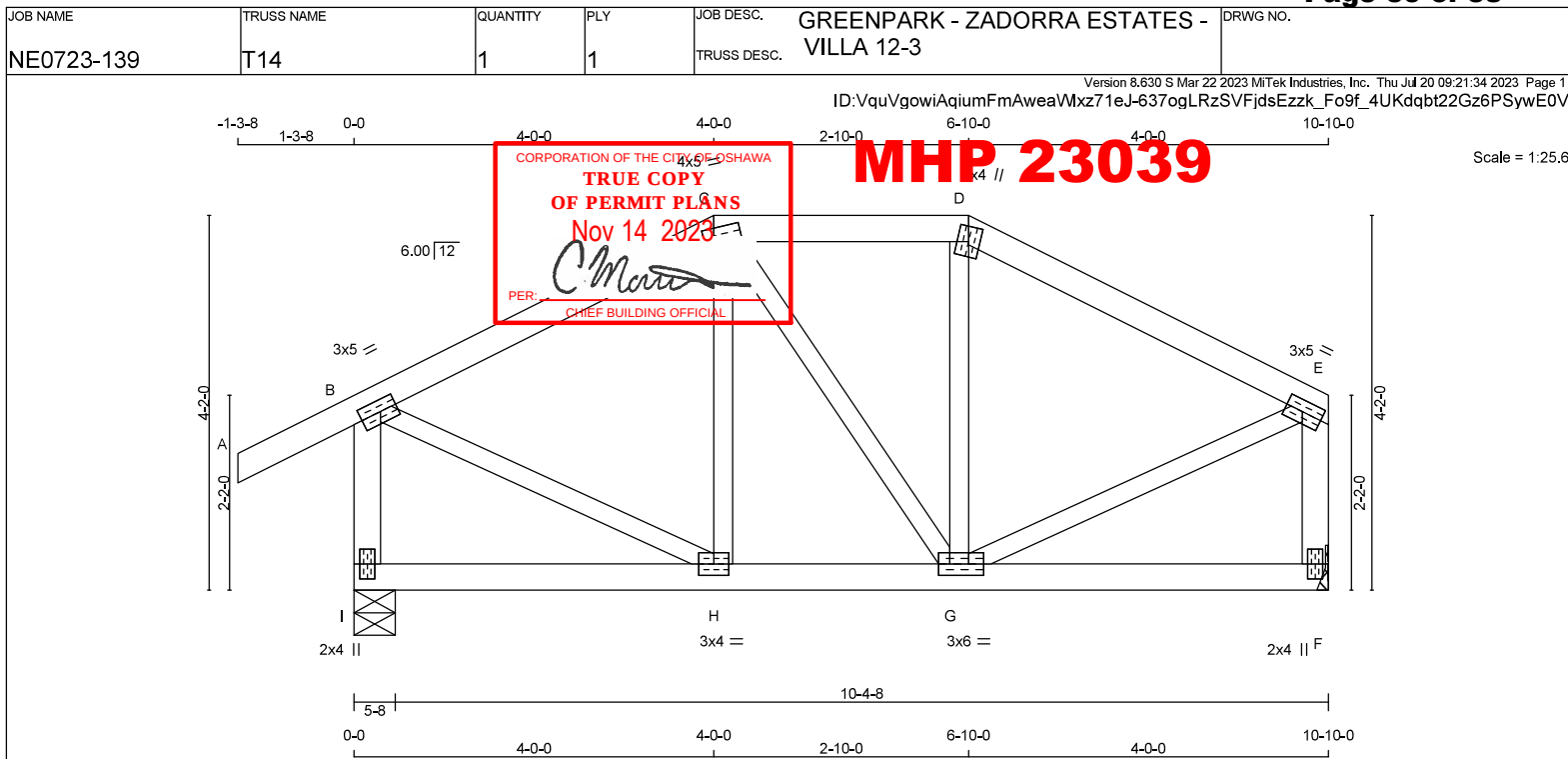
PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.33 (B) (INPUT = 0.90)
JSI METAL = 0.09 (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.





TOTAL WEIGHT = 48 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - C	2x4	DRY	No.2
C - D	2x4	DRY	No.2
D - E	2x4	DRY	No.2
I - B	2x4	DRY	No.2
F - E	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
B	TMVW-4	MT20	3.0	5.0	1.50	2.25
C	TTWW-m	MT20	4.0	5.0	1.75	1.25
D	TTW+m	MT20	3.0	4.0		
E	TMVW-4	MT20	3.0	5.0	1.50	2.25
F	BMV1+p	MT20	2.0	4.0		
G	BMWWW-4	MT20	3.0	6.0	1.50	1.50
H	BMWW-4	MT20	3.0	4.0		
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	REQD BRG
I	908	0	0	5-8
F	746	0	0	MECHANICAL

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

UNFACTORED REACTIONS

JT	1ST LOASE	MAX./MIN. COMPONENT REACTIONS
I	632	472 / 0
F	521	377 / 0

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

BRACING

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

MAX. 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)	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)
FR-TO					FR-TO			
A-B	0 / 36	-119.4	-119.4	0.16 (1)	H-C	-158 / 12	0.04 (1)	
B-C	-556 / 0	-119.4	-119.4	0.25 (1)	C-G	-1 / 0	0.00 (1)	
C-D	-492 / 0	-119.4	-119.4	0.12 (1)	G-D	-159 / 12	0.04 (1)	
D-E	-555 / 0	-119.4	-119.4	0.25 (1)	B-H	0 / 545	0.12 (1)	
I-B	-875 / 0	0.0	0.0	0.10 (1)	G-E	0 / 545	0.12 (1)	
F-E	-713 / 0	0.0	0.0	0.08 (1)				
I-H	0 / 0	-18.2	-18.2	0.07 (4)				
H-G	0 / 492	-18.2	-18.2	0.11 (1)				
G-F	0 / 0	-18.2	-18.2	0.06 (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 LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.36")

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

ALLOWABLE DEFL.(TL) = L/360 (0.36")

CALCULATED VERT. DEFL.(TL) = L/999 (0.02")

CSI: TC=0.25/0.97 (B-C:1) , BC=0.11/0.97 (G-H:1) ,

WB=0.12/0.97 (B-H:1) , SS=0.17/1.00 (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 (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= 0.77 (B) (INPUT = 0.90)

JSI METAL = 0.21 (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.

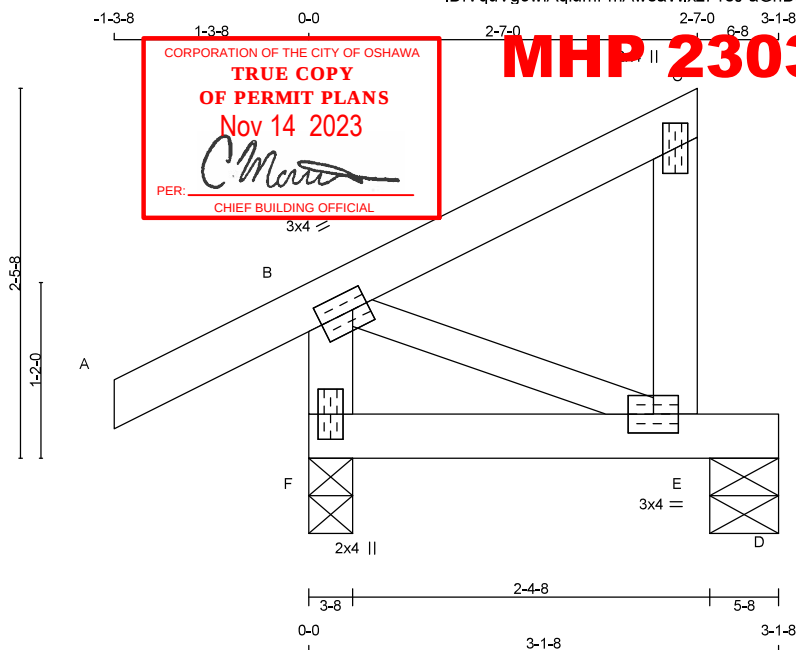


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
NE0723-139	T15	4	1	GREENPARK - ZADORRA ESTATES - VILLA 12-3	

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ID: VquVgowiAqiumFmAweaWmx71eJ-aGhBuhSbDpNaF0p9XSVULMBAGugnZ31CGwigxuywE0U

Scale = 1:15.3



TOTAL WEIGHT = 4 X 13 = 53 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, SEASONED LUMBER.

DESCR.
SPF
SPF
SPF
SPF**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
F	372	0	372	0
D	156	0	156	0

UNFACTORED REACTIONS

	1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
F	257	200 / 0
D	110	74 / 0

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

BRACINGTOP 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: (7)

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)	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. FACTORED VERT. LOAD (LC)
FR-TO							FR-TO			
A-B	0 / 36	-119.4	-119.4	0.16 (1)	10.00	10.00	B-E	0 / 0	0.00 (1)	
B-C	0 / 0	-119.4	-119.4	0.14 (1)	10.00	10.00				
E-C	-154 / 0	0.0	0.0	0.02 (1)	7.81	7.81				
F-B	-316 / 0	0.0	0.0	0.03 (1)	7.81	7.81				
F-E	0 / 0	-18.2	-18.2	0.11 (1)	10.00	10.00				
E-D	0 / 0	-18.2	-18.2	0.11 (1)	10.00	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

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 (0.19")
CALCULATED VERT. DEFL.(LL) = L/999 (0.01")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/999 (0.01")CSI: TC=0.16/0.97 (A-B:1), BC=0.11/0.97 (D-E:1),
WB=0.00/0.97 (B-E:1), SSI=0.12/1.00 (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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.28 (B) (INPUT = 0.90)
JSI METAL= 0.07 (F) (INPUT = 1.00)

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