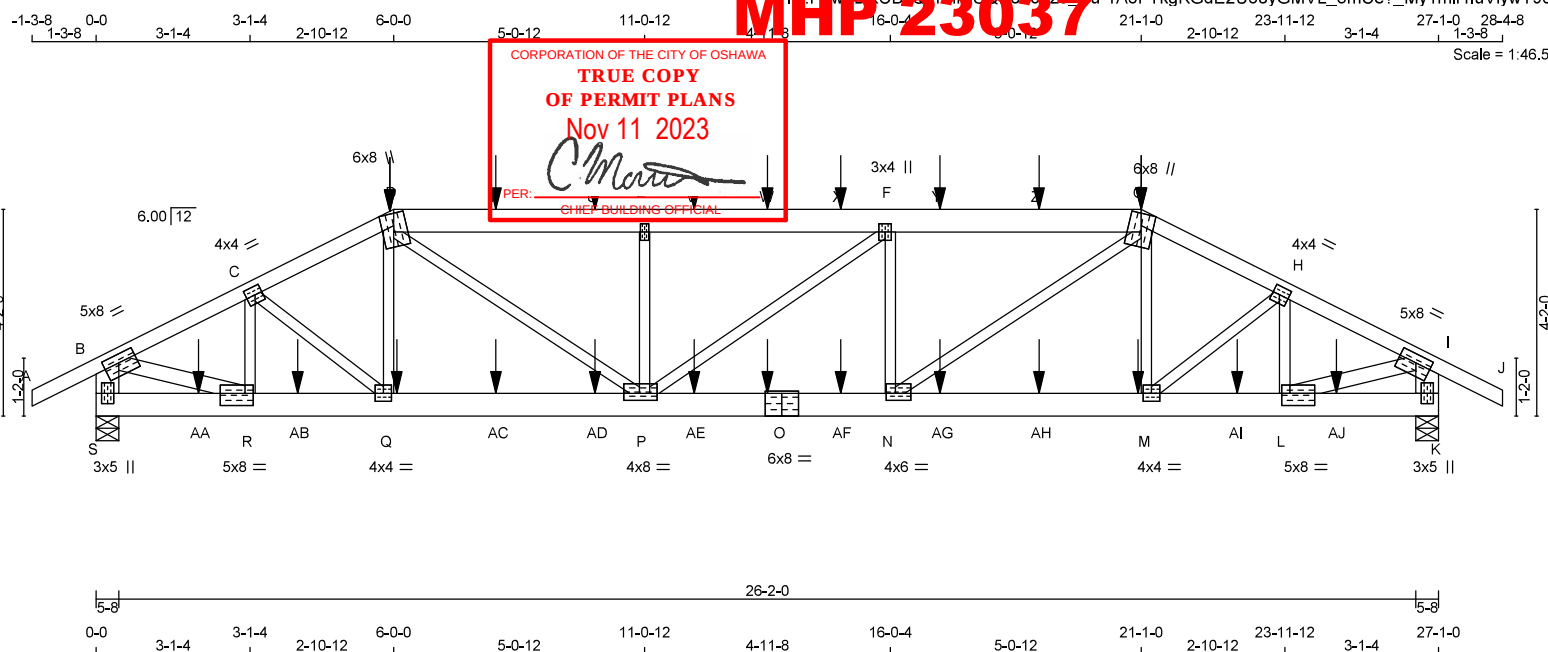


JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-122	G01	1	1	TRUSS DESC.	VILLA 7-1	

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TOTAL WEIGHT = 136 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER
A - D	2x4	DRY No.2
D - G	2x6	DRY No.2
G - J	2x4	DRY No.2
S - B	2x6	DRY No.2
K - I	2x6	DRY No.2
S - O	2x6	DRY No.2
O - K	2x6	DRY No.2

ALL WEBS	2x3	DRY No.2
EXCEPT		
B - R	2x4	DRY No.2
L - I	2x4	DRY No.2

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	MAXIMUM FACTORED	INPUT	REQ'D
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
S	3335	0	3335	0
K	3335	0	3335	0

UNFACTORED REACTIONS

	1ST CASE	MAX. MIN. COMPONENT REACTIONS
	COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
JT	2329	1694 / 0
S	2329	1694 / 0
K	2329	1694 / 0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.73 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. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 36	-119.4	-119.4 0.17 (1)	R-C	-1021 / 0	0.18 (1)	
B-C	-4353 / 0	-119.4	-119.4 0.43 (1)	C-Q	0 / 638	0.16 (1)	
C-D	-4905 / 0	-119.4	-119.4 0.46 (1)	Q-D	-171 / 75	0.04 (1)	
D-T	-6108 / 0	-119.4	-119.4 0.59 (1)	D-P	0 / 2123	0.53 (1)	
T-U	-6108 / 0	-119.4	-119.4 0.59 (1)	P-E	-1116 / 0	0.27 (1)	
U-E	-6108 / 0	-119.4	-119.4 0.59 (1)	E-F	-19 / 0	0.01 (1)	
E-V	-6107 / 0	-119.4	-119.4 0.58 (1)	N-F	-1118 / 0	0.27 (1)	
V-W	-6107 / 0	-119.4	-119.4 0.58 (1)	N-G	0 / 2143	0.53 (1)	
W-X	-6107 / 0	-119.4	-119.4 0.58 (1)	M-G	-179 / 74	0.05 (1)	
X-F	-6107 / 0	-119.4	-119.4 0.58 (1)	M-H	0 / 634	0.16 (1)	
F-Y	-6123 / 0	-119.4	-119.4 0.58 (1)	L-H	-1017 / 0	0.18 (1)	
Y-Z	-6123 / 0	-119.4	-119.4 0.58 (1)	B-R	0 / 4024	0.71 (1)	
Z-G	-6123 / 0	-119.4	-119.4 0.58 (1)	L-I	0 / 4026	0.71 (1)	
G-H	-4903 / 0	-119.4	-119.4 0.46 (1)				
H-I	-4355 / 0	-119.4	-119.4 0.43 (1)				
I-J	0 / 36	-119.4	-119.4 0.17 (1)				
S-B	-3245 / 0	0.0	0.0 0.23 (1)				
K-I	-3247 / 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 / 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 LOADALLOWABLE 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.
NE0723-122	G01	1	1	GREENPARK - ZADORRA ESTATES - VILLA 7-1	

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MHP 23037

SPECIFIED CONCENTRATED LOADS (LBS)				OSHAWA			
JT	LOC.	LC	FACE	DIR.	TYPE	HEEL	CONN.
AA	2-0-12	22	FRONT	VERT	TOTAL	—	C1
AB	2-0-12	22	FRONT	VERT	TOTAL	—	C1
AC	2-0-12	22	FRONT	VERT	TOTAL	—	C1
AD	2-0-12	22	FRONT	VERT	TOTAL	—	C1
AE	2-0-12	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.

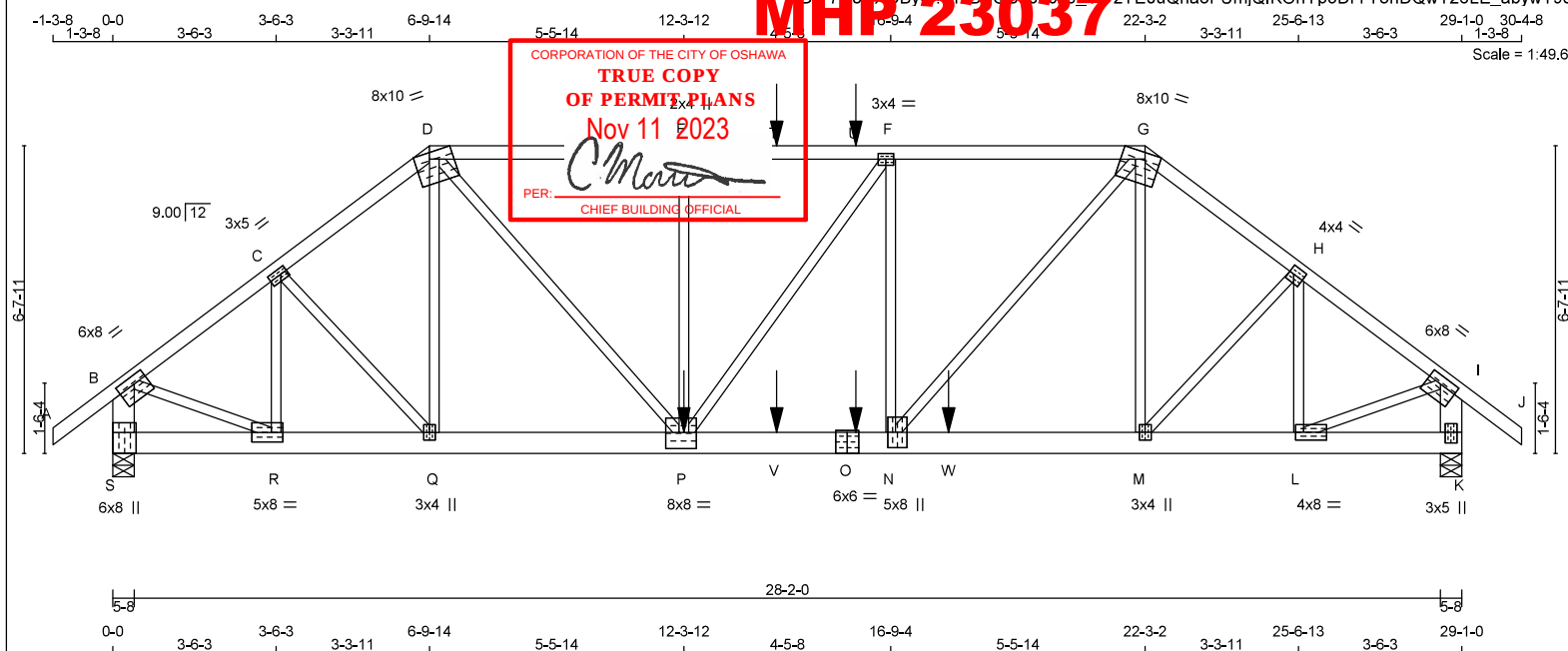


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CONTAINS SPECIFICATIONS AND CRITERIA USED
IN THE DESIGN OF THIS COMPONENT.



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-122	G03	1	1	TRUSS DESC.	VILLA 7-1	

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TOTAL WEIGHT = 153 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	2100F 1.8E	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	6.0	8.0	2.00	3.50
C	TMVW4	MT20	3.0	5.0	1.50	1.75
D	TMVW-m	MT20	8.0	10.0	Edge	4.00
E	TMVW-w	MT20	2.0	4.0		
F	TMVW4	MT20	3.0	4.0		
G	TMVW-m	MT20	8.0	10.0	Edge	4.00
H	TMVW4	MT20	4.0	4.0	2.00	1.25
I	TMVW4	MT20	6.0	8.0	2.00	3.50
K	BMV1+p	MT20	3.0	5.0	2.75	1.50
L	BMVW4	MT20	4.0	8.0	2.00	2.00
M	BMVW+t	MT20	3.0	4.0		
N	BMVW+t	MT20	5.0	8.0	4.00	2.00
O	BS4	MT20	6.0	6.0		
P	BMVW4	MT20	8.0	8.0	4.25	3.50
Q	BMVW+t	MT20	3.0	4.0		
R	BMVW4	MT20	5.0	8.0	2.50	3.00
S	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

DESIGNER	FACTORED	MAXIMUM	FACTORED	INPUT	REQRD
BEARINGS	GROSS REACTION	GROSS REACTION	BRG	BRG	
JT	VERT	HORZ	DOWN	HORZ	UPLIFT
S	3757	0	3757	0	5-8
K	3813	0	3813	0	5-8

UNFACTORED REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
S	2619	1930 / 0	0 / 0	0 / 0	0 / 0	689 / 0	0 / 0
K	2659	1960 / 0	0 / 0	0 / 0	0 / 0	698 / 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 = 2.81 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	CS1 (LC)	WEBS	MAX. FACTORED	MAX	CS1 (LC)
MEMB.	FORCE (LBS)	FORCE (LBS)	FROM	TO	LENGTH	FR-TO	MEMB.	FORCE (LBS)	MAX	CS1 (LC)
FR-TO										
A-B	0 / 49	-119.4	-119.4	0.18 (I)	10.00	R-C	-1043 / 0	0.27 (I)		
B-C	-3914 / 0	-119.4	-119.4	0.48 (I)	3.09	C-Q	0 / 427	0.11 (I)		
C-D	-4336 / 0	-119.4	-119.4	0.53 (I)	2.87	Q-D	-91 / 40	0.06 (I)		
D-E	-5414 / 0	-119.4	-119.4	0.59 (I)	3.25	D-P	0 / 2995	0.74 (I)		
E-T	-5414 / 0	-119.4	-119.4	0.56 (I)	3.20	P-E	-738 / 0	0.51 (I)		
T-U	-5414 / 0	-119.4	-119.4	0.56 (I)	3.20	P-F	0 / 43	0.01 (I)		
U-F	-5414 / 0	-119.4	-119.4	0.56 (I)	3.20	N-F	-874 / 0	0.61 (I)		
F-G	-5389 / 0	-119.4	-119.4	0.63 (I)	3.21	N-G	0 / 2798	0.69 (I)		
G-H	-4463 / 0	-119.4	-119.4	0.54 (I)	2.81	M-G	0 / 139	0.04 (I)		
H-I	-3954 / 0	-119.4	-119.4	0.49 (I)	3.07	M-H	0 / 530	0.13 (I)		
I-J	0 / 49	-119.4	-119.4	0.18 (I)	10.00	L-H	-1171 / 0	0.30 (I)		
S-B	-3691 / 0	0.0	0.0	0.27 (I)	5.44	B-R	0 / 3304	0.82 (I)		
K-I	-3725 / 0	0.0	0.0	0.27 (I)	5.42	L-I	0 / 3338	0.83 (I)		
S-R	0 / 0	-18.2	-18.2	0.08 (I)	10.00					
R-Q	0 / 3151	-18.2	-18.2	0.52 (I)	10.00					
Q-P	0 / 3437	-18.2	-18.2	0.60 (I)	10.00					
P-V	0 / 5389	-18.2	-18.2	0.88 (I)	10.00					
V-O	0 / 5389	-18.2	-18.2	0.88 (I)	10.00					
O-N	0 / 5389	-18.2	-18.2	0.88 (I)	10.00					
N-W	0 / 3542	-18.2	-18.2	0.50 (I)	10.00					
W-M	0 / 3542	-18.2	-18.2	0.50 (I)	10.00					
M-L	0 / 3183	-18.2	-18.2	0.33 (I)	10.00					
L-K	0 / 0	-18.2	-18.2	0.08 (I)	10.00					

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
O	16-0-4	-23	-23	—	BACK	VERT	TOTAL	—	C1
P	12-3-12	-1149	-1149	—	BACK	VERT	TOTAL	—	C1
T	14-3-12	-102	-102	—	BACK	VERT	TOTAL	—	C1
U	16-0-4	-102	-102	—	BACK	VERT	TOTAL	—	C1
V	14-3-12	-23	-23	—	BACK	VERT	TOTAL	—	C1
W	18-0-4	-857	-857	—	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 LOADALLOWABLE DEFL.(LL) = L/360 (0.97")
CALCULATED VERT. DEFL.(LL) = L/999 (0.18")
ALLOWABLE DEFL.(TL) = L/360 (0.97")
CALCULATED VERT. DEFL.(TL) = L/999 (0.31")CSI: TC=0.63/0.97 (F-G:1), BC=0.88/0.97 (N-P:1),
WB=0.83/0.97 (L-I:1), SSI=0.67/1.00 (M-N: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 MIN MAX MIN
MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

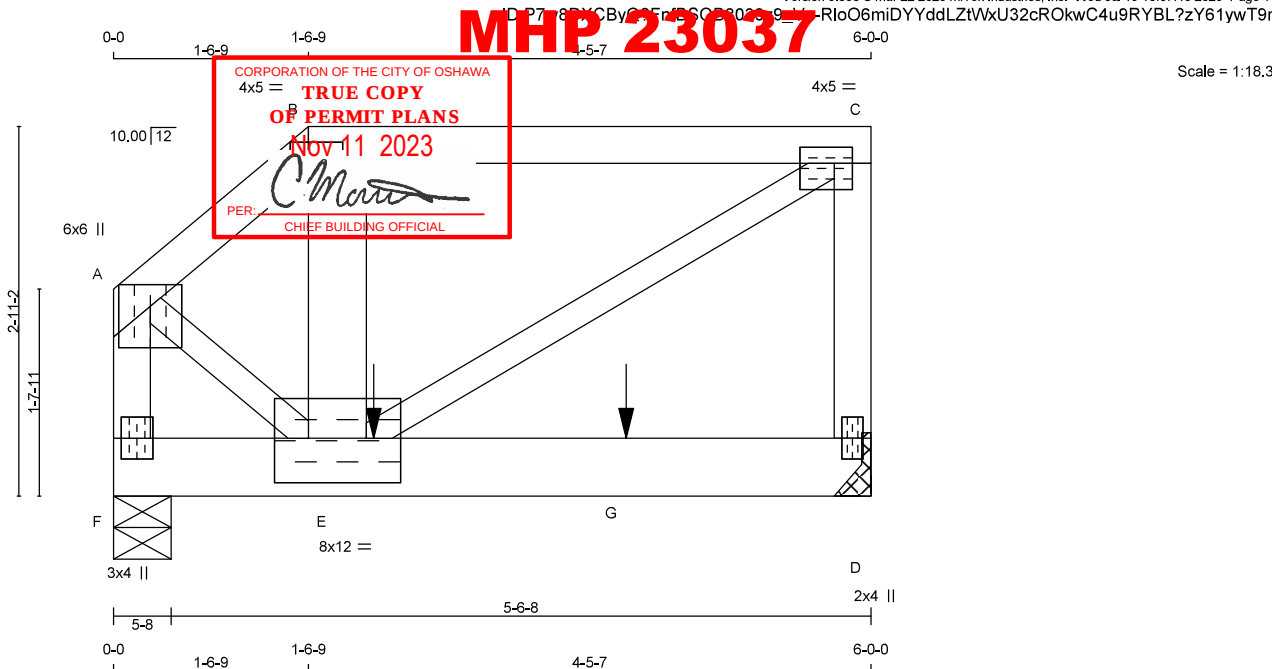
JSI GRIP= 0.90 (O) (INPUT = 0.90)
JSI METAL= 0.93 (O) (INPUT = 1.00)

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.



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-122	G04	1	1	TRUSS DESC.	VILLA 7-1	

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TOTAL WEIGHT = 31 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	2x4	DRY	No.2
F - D	2x6	DRY	2100F 1.8E

ALL WEBS 2x3 DRY No.2
EXCEPT
E - B 2x6 DRY No.2

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	6.0	6.0	Edge	
B	TTVW+H	MT20	4.0	5.0	2.00	3.25
C	TMVW+H	MT20	4.0	5.0	1.50	1.75
D	BMV1+p	MT20	2.0	4.0		
E	BMVWW+H	MT20	8.0	12.0	4.25	6.00
F	BMV1+p	MT20	3.0	4.0	2.00	0.75

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	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
D	2209	0	2209	0
F	2309	0	2309	0

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 2-6.

UNFACTORED REACTIONS

1ST LOASE	MAX./MIN. COMPONENT REACTIONS
JT	COMBINED
D	1542
F	1612

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 = 4.24 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. UNBRAC (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO		FROM	TO	LENGTH	FR-TO		
A-B	-2218 / 0	-119.4	-119.4	0.11 (1)	4.43	E-B	0 / 1071
B-C	-1789 / 0	-119.4	-119.4	0.52 (1)	4.24	E-C	0 / 2090
D-C	-1338 / 0	0.0	0.0	0.20 (1)	6.88	A-E	0 / 2053
F-A	-2689 / 0	0.0	0.0	0.31 (1)	5.11		
F-E	0 / 0	-18.2	-18.2	0.28 (1)	10.00		
E-G	0 / 0	-18.2	-18.2	0.66 (1)	10.00		
G-D	0 / 0	-18.2	-18.2	0.66 (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/701 (0.10")

CSI: TC=0.52/0.97 (B-C-1), BC=0.66/0.97 (D-E-1), WB=0.52/0.97 (C-E-1), SS=0.70/1.00 (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 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 (F) (INPUT = 0.90)
JSI METAL = 0.58 (B) (INPUT = 1.00)

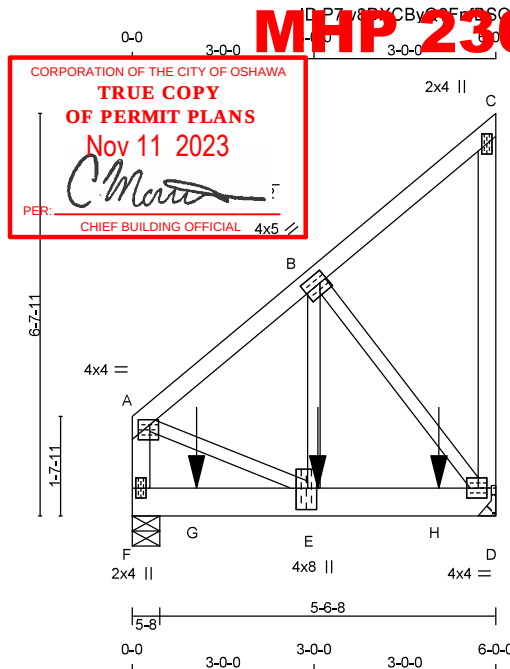


READ ALL NOTES ON THIS PAGE AND ON THE
ENGINEERING NOTES: TRUSSES. THE NOTE PAGE
IS AN INTEGRAL PART OF THIS DRAWING AS IT
CONTAINS SPECIFICATIONS AND CRITERIA USED
IN THE DESIGN OF THIS COMPONENT.



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-122	G05	1	1	TRUSS DESC.	VILLA 7-1	

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TOTAL WEIGHT = 36 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
F - A	2x4	DRY	No.2	SPF
F - D	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
A	TMVW-p	MT20	4.0	4.0	1.00	2.25
B	TMVW-t	MT20	4.0	5.0	2.00	1.50
C	TMV-p	MT20	2.0	4.0		
D	BMVW-t	MT20	4.0	4.0	2.00	1.75
E	BMVW-t	MT20	4.0	8.0	4.25	1.75
F	BMV-t	MT20	2.0	4.0		

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

JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
D	1668	0	1668	0	0	MECHANICAL	
F	1633	0	1633	0	0	5-8	1-13

A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED AT JOINT D. MINIMUM BEARING LENGTH AT JOINT D = 1-13.

UNFACTORED REACTIONS

1ST LCASE		MAX. MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
D	1163	857 / 0	0 / 0	0 / 0	0 / 0	306 / 0	0 / 0
F	1139	840 / 0	0 / 0	0 / 0	0 / 0	299 / 0	0 / 0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 5.85 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)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CS1 (LC)	MAX. UNBRACED LENGTH FR-TO	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CS1 (LC)
FR-TO						FR-TO			
A-B	-1038 / 0	-119.4	-119.4	0.20 (1)	5.85	E-B	0 / 1256	0.31 (1)	
B-C	-26 / 0	-119.4	-119.4	0.18 (1)	6.25	B-D	-1302 / 0	0.47 (1)	
D-C	-139 / 0	0.0	0.0	0.12 (1)	7.81	A-E	0 / 883	0.22 (1)	
F-A	-1152 / 0	0.0	0.0	0.13 (1)	7.29				
F-G	0 / 0	-18.2	-18.2	0.37 (1)	10.00				
G-E	0 / 0	-18.2	-18.2	0.37 (1)	10.00				
E-H	0 / 818	-18.2	-18.2	0.46 (1)	10.00				
H-D	0 / 818	-18.2	-18.2	0.46 (1)	10.00				

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
E	3-0-12	-575	-575	—	FRONT	VERT	TOTAL	—	C1
G	1-0-12	-575	-575	—	FRONT	VERT	TOTAL	—	C1
H	5-0-12	-575	-575	—	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 LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/999 (0.02")
ALLOWABLE DEFL.(TL)= L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/999 (0.03")

CSI: TC=0.20/0.97 (A-B:1), BC=0.46/0.97 (D-E:1),
WB=0.47/0.97 (B-D:1), SSI=0.34/1.00 (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	SECTION
	(PSI)	(PLI)	(PLI)
MAX MIN	MAX MIN	MAX MIN	MAX MIN
MT20	650 371	1747 788	1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (A) (INPUT = 0.90)
JSI METAL= 0.37 (E) (INPUT = 1.00)

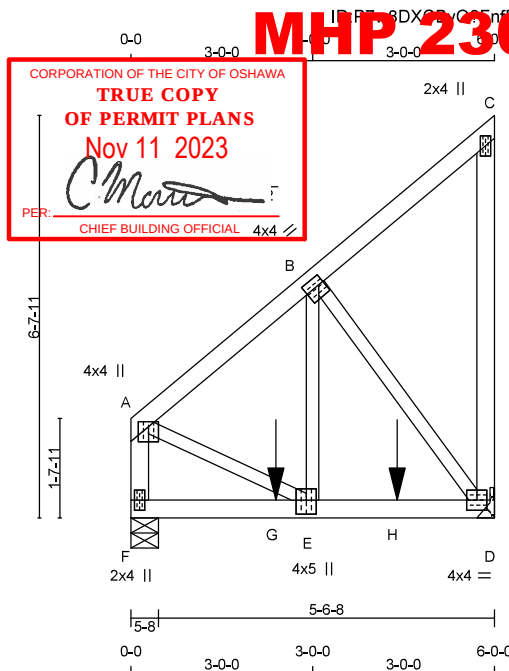


READ ALL NOTES ON THIS PAGE AND ON THE ENGINEERING NOTES: TRUSSES. THE NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-122	G06	1	1	TRUSS DESC.	VILLA 7-1	

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TOTAL WEIGHT = 33 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
F - A	2x4	DRY	No.2	SPF
F - D	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
A	TMVW+p	MT20	4.0	4.0	1.00	2.00
B	TMVW-t	MT20	4.0	4.0	1.75	1.00
C	TMV+p	MT20	2.0	4.0		
D	BMVW-t	MT20	4.0	4.0		
E	BMVW-t	MT20	4.0	5.0	2.75	2.00
F	BMV1+p	MT20	2.0	4.0		

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

JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
D	1250	0	1250	0	0	MECHANICAL	
F	1054	0	1054	0	0	5-8	1-8

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
D	871	642 / 0	0 / 0	0 / 0	0 / 0	0 / 0	229 / 0	0 / 0
F	735	541 / 0	0 / 0	0 / 0	0 / 0	0 / 0	194 / 0	0 / 0

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

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. CSI (LC)	MAX. UNBRACED LENGTH FR-TO	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)
FR-TO						FR-TO			
A-B	-857 / 0	-119.4	-119.4	0.20 (1)	6.25	E-B	0 / 985	0.24 (1)	
B-C	-26 / 0	-119.4	-119.4	0.18 (1)	6.25	B-D	-1096 / 0	0.42 (1)	
D-C	-138 / 0	0.0	0.0	0.12 (1)	7.81	A-E	0 / 740	0.18 (1)	
F-A	-998 / 0	0.0	0.0	0.12 (1)	7.71				
F-G	0 / 0	-18.2	-18.2	0.54 (1)	10.00				
G-E	0 / 0	-18.2	-18.2	0.54 (1)	10.00				
E-H	0 / 678	-18.2	-18.2	0.69 (1)	10.00				
H-D	0 / 678	-18.2	-18.2	0.69 (1)	10.00				

SPECIFIED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	2-4-12	-515	-515		BACK	VERT	TOTAL		C1
H	4-4-12	-515	-515		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 LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/999 (0.06")

CSI: TC=0.20/0.97 (A-B:1), BC=0.69/0.97 (D-E:1),
WB=0.42/0.97 (B-D:1), SSI=0.63/1.00 (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)
MT20	650	371	1747
	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.87 (A) (INPUT = 0.90)
JSI METAL= 0.31 (E) (INPUT = 1.00)

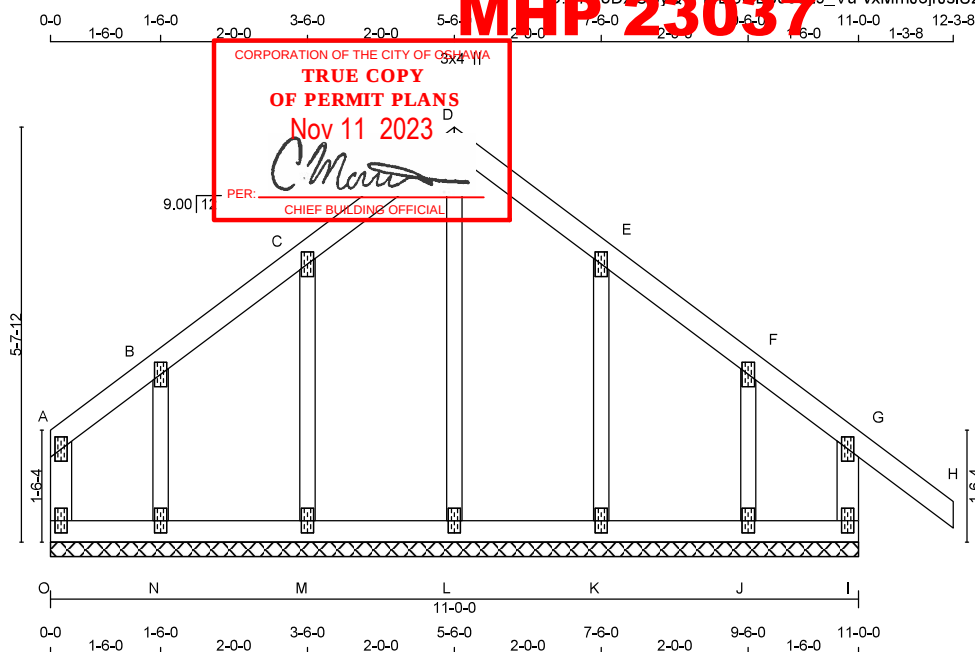


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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-122	GE01	1	1	TRUSS DESC.	VILLA 7-1	

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TOTAL WEIGHT = 46 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER
O - A	2x4	DRY	No.2
A - D	2x4	DRY	No.2
D - H	2x4	DRY	No.2
I - G	2x4	DRY	No.2
O - I	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	TMV+p	MT20	3.0	4.0	2.25	1.50
G	TMV+p	MT20	2.0	4.0		
I	BMV1+p	MT20	2.0	4.0		
J, K, L, M, N						
J	BMV1+w	MT20	2.0	4.0		
O	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 = 6.25 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 CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED CSI (LC)	
FR-TO		FROM TO		FR-TO			
O-A	-63 / 0	0.0 0.0 0.01 (1)	7.81	L-D	-265 / 0	0.12 (1)	
A-B	0 / 13	-119.4 -119.4 0.05 (1)	10.00	M-C	-248 / 0	0.06 (1)	
B-C	0 / 14	-119.4 -119.4 0.06 (1)	10.00	N-B	-213 / 0	0.03 (1)	
C-D	0 / 17	-119.4 -119.4 0.06 (1)	10.00	K-E	-259 / 0	0.07 (1)	
D-E	0 / 16	-119.4 -119.4 0.07 (1)	10.00	J-F	-135 / 0	0.02 (1)	
E-F	0 / 20	-119.4 -119.4 0.07 (1)	10.00				
F-G	-26 / 0	-119.4 -119.4 0.12 (1)	6.25				
G-H	0 / 49	-119.4 -119.4 0.16 (1)	10.00				
I-G	-297 / 0	0.0 0.0 0.04 (1)	7.81				
O-N	0 / 0	-18.2 -18.2 0.01 (4)	10.00				
N-M	-9 / 0	-18.2 -18.2 0.01 (4)	10.00				
M-L	-14 / 0	-18.2 -18.2 0.01 (4)	6.25				
L-K	-14 / 0	-18.2 -18.2 0.02 (4)	6.25				
K-J	-8 / 0	-18.2 -18.2 0.02 (4)	10.00				
J-I	-3 / 0	-18.2 -18.2 0.03 (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

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

CSI: TC=0.16/0.97 (G-H-1), BC=0.03/0.97 (I-J-1),

WB=0.12/0.97 (D-L-1), SSI=0.10/1.00 (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= 0.19 (A) (INPUT = 0.90)

JSI METAL= 0.15 (G) (INPUT = 1.00)

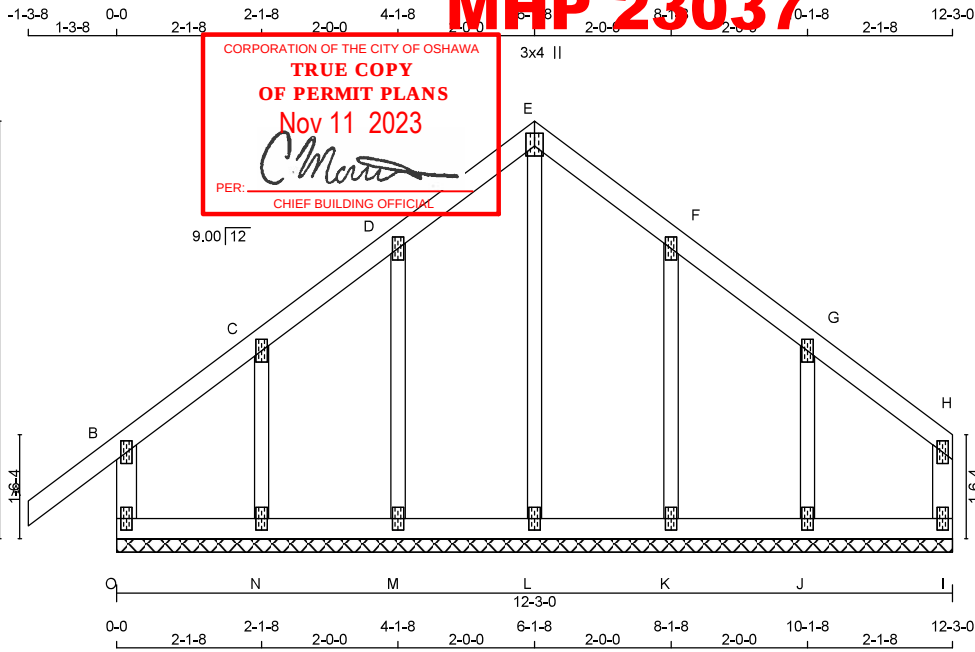


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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
NE0723-122	GE02	1	1	GREENPARK - ZADORRA ESTATES - VILLA 7-1	

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Scale = 1:33.8

TOTAL WEIGHT = 51 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER
O - B	2x4	DRY No.2
A - E	2x4	DRY No.2
E - H	2x4	DRY No.2
I - H	2x4	DRY No.2
O - I	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.

DESCR.
SPF
SPF
SPF
SPF
SPF
SPF

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.

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

CSI: TC=0.16/0.97 (A-B:1), BC=0.03/0.97 (N-O:1),

WB=0.12/0.97 (E-L:1), SSI=0.10/1.00 (A-B:1)

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

SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(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= 0.23 (H) (INPUT = 0.90)

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	2.0	4.0		
C, D, F, G						
C	TMV+w	MT20	2.0	4.0		
E	TMV+p	MT20	3.0	4.0	2.25	1.50
H	TMV+p	MT20	2.0	4.0		
I	BMV1+p	MT20	2.0	4.0		
J, K, L, M, N						
J	BMV1+w	MT20	2.0	4.0		
O	BMV1+p	MT20	2.0	4.0		

LOADING

TOTAL LOAD CASES: (4)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. FACTORED CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED UNBRAC LENGTH	MAX. FACTORED CSI (LC)
FR-TO		FROM TO		FR-TO			
O-B	-315 / 0	0.0 0.0 0.04 (1)	7.81	L-E	-217 / 0	0.12 (1)	
A-B	0 / 49	-119.4 -119.4 0.16 (1)	10.00	M-D	-240 / 0	0.08 (1)	
B-C	-45 / 0	-119.4 -119.4 0.06 (1)	6.25	N-C	-232 / 0	0.04 (1)	
C-D	-34 / 0	-119.4 -119.4 0.06 (1)	6.25	K-F	-238 / 0	0.07 (1)	
D-E	-28 / 0	-119.4 -119.4 0.06 (1)	6.25	J-G	-241 / 0	0.04 (1)	
E-F	-28 / 0	-119.4 -119.4 0.06 (1)	6.25				
F-G	-35 / 0	-119.4 -119.4 0.06 (1)	6.25				
G-H	-41 / 0	-119.4 -119.4 0.06 (1)	6.25				
I-H	-143 / 0	0.0 0.0 0.04 (1)	7.81				
O-N	0 / 35	-18.2 -18.2 0.03 (1)	10.00				
N-M	0 / 28	-18.2 -18.2 0.02 (4)	10.00				
M-L	0 / 23	-18.2 -18.2 0.02 (4)	10.00				
L-K	0 / 23	-18.2 -18.2 0.02 (4)	10.00				
K-J	0 / 28	-18.2 -18.2 0.02 (4)	10.00				
J-I	0 / 35	-18.2 -18.2 0.02 (1)	10.00				

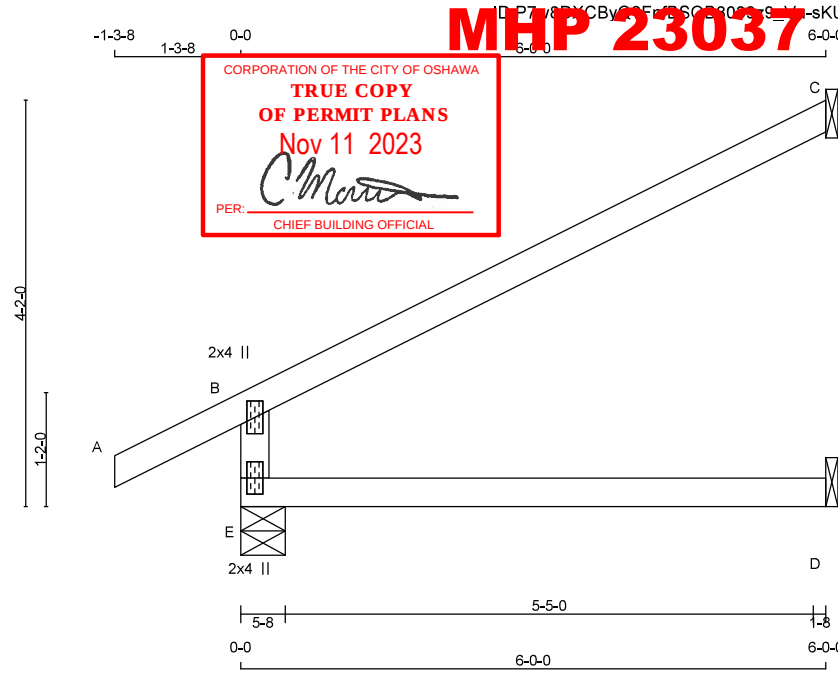


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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-122	J01	9	1	TRUSS DESC.	VILLA 7-1	

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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 MITTEK 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)

MEMB.	CHORDS	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. UNBRACED LENGTH FR-TO	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH 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
	(PSI)	(PLI)	(PLI)
MT20	650	371	1747
		788	1987
			1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.34 (B) (INPUT = 0.90)

JSI METAL= 0.25 (B) (INPUT = 1.00)

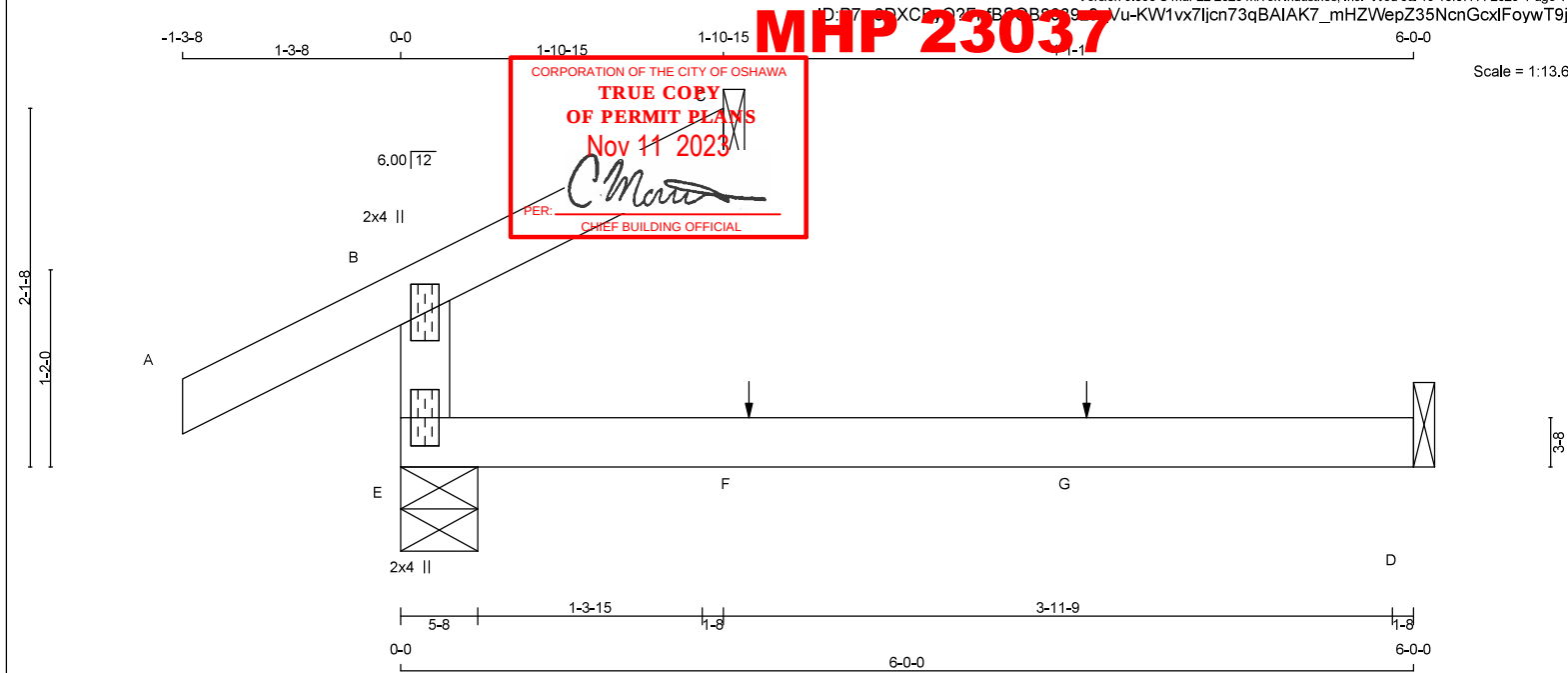


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 IN THE DESIGN OF THIS COMPONENT.



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-122	J03	2	1	TRUSS DESC.	VILLA 7-1	

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Scale = 1:13.6

TOTAL WEIGHT = 2 X 12 = 24 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	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
E	368	0	368	0	0	5-8	1-8
C	86	0	86	0	0	1-8	1-8
D	45	0	51	0	0	1-8	1-8

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

UNFACTORED REACTIONS

JT	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. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MAX. FR-TO	MEMB.	MAX. FORCE (LBS)	MAX. FR-TO
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)

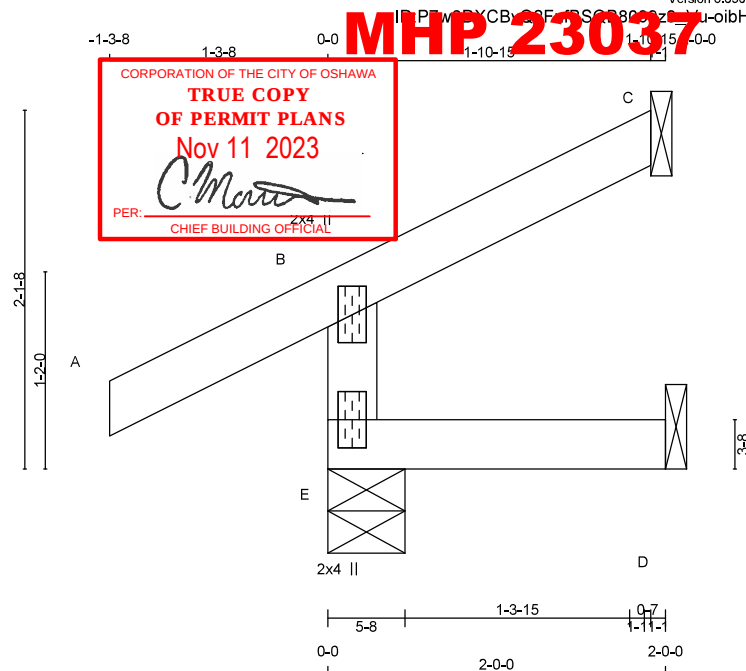


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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-122	J05	2	1	TRUSS DESC.	VILLA 7-1	

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Scale = 1:13.6

TOTAL WEIGHT = 2 X 7 = 15 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		MAXIMUM FACTORED			INPUT	REQRD
	GROSS REACTION		GROSS REACTION			BRG	BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
E	324	0	324	0	0	5-8	1-8
C	86	0	86	0	0	1-8	1-8
D	16	0	18	0	0	1-8	1-8

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

UNFACTORED REACTIONS

1ST CASE	MAX./MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
E	224	177 / 0	0 / 0	0 / 0	0 / 0	47 / 0	0 / 0
C	59	50 / 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)

CHORDS			WEBS		
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. UNBRACED LENGTH FR-TO	MEMB. FORCE (LBS)	MAX. FACTORED MAX CSI (LC)
FR-TO		FROM TO			
E-B	-304 / 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	-12 / 0	-119.4 -119.4	0.07 (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	
	(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.

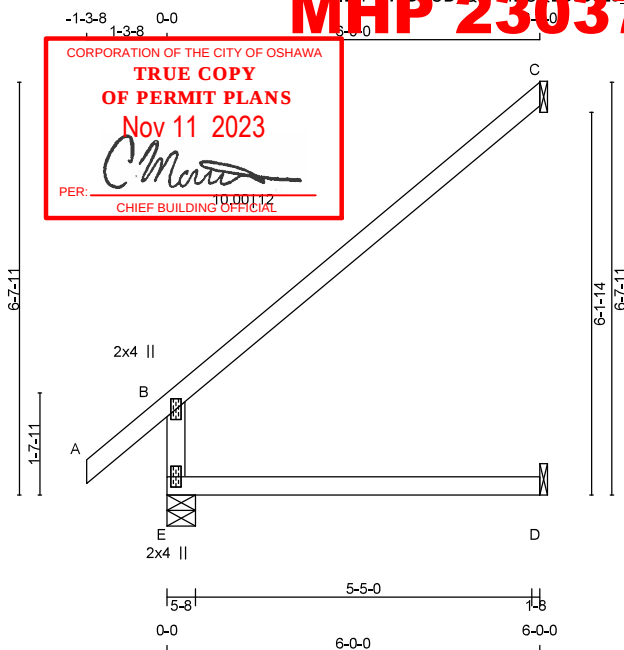
JSI GRIP= 0.17 (B) (INPUT = 0.90)
JSI METAL= 0.13 (B) (INPUT = 1.00)

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.
NE0723-122	J06	2	1	TRUSS DESC.	VILLA 7-1	

Version 8.630 S Mar 22 2023 MiTek Industries, Inc. Wed Jul 19 16:07:45 2023 Page 1



Scale = 1:37.1

TOTAL WEIGHT = 2 X 19 = 39 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
E	676	0	676	0	0	5-8
C	269	0	269	0	0	1-8
D	46	0	52	0	0	1-8

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

UNFACTORED REACTIONS

1ST LCASE	MAX./MIN. COMPONENT REACTIONS						
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	469	357 / 0	0 / 0	0 / 0	0 / 0	112 / 0	0 / 0
C	184	157 / 0	0 / 0	0 / 0	0 / 0	27 / 0	0 / 0
D	37	0 / 0	0 / 0	0 / 0	0 / 0	37 / 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	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF)	MAX. CSI (LC)	MAX. UNBRACED LENGTH FR-TO	WEBS	MEMB. FORCE (LBS)	MAX. FACTORED CSI (LC)
FR-TO							
E-B	-613 / 0	0.0	0.0	0.12 (4)	7.81		
A-B	0 / 53	-119.4	-119.4	0.16 (1)	10.00		
B-C	-57 / 0	-119.4	-119.4	0.74 (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 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 (0.04")

CSI: TC=0.74/0.97 (B-C:1) , BC=0.14/0.97 (D-E:4) ,
 WB=0.00/0.97 (n/a:0) , SSI=0.27/1.00 (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)	(PL)	(PL)	
MT20	650	371	1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.42 (B) (INPUT = 0.90)
 JSI METAL= 0.33 (B) (INPUT = 1.00)

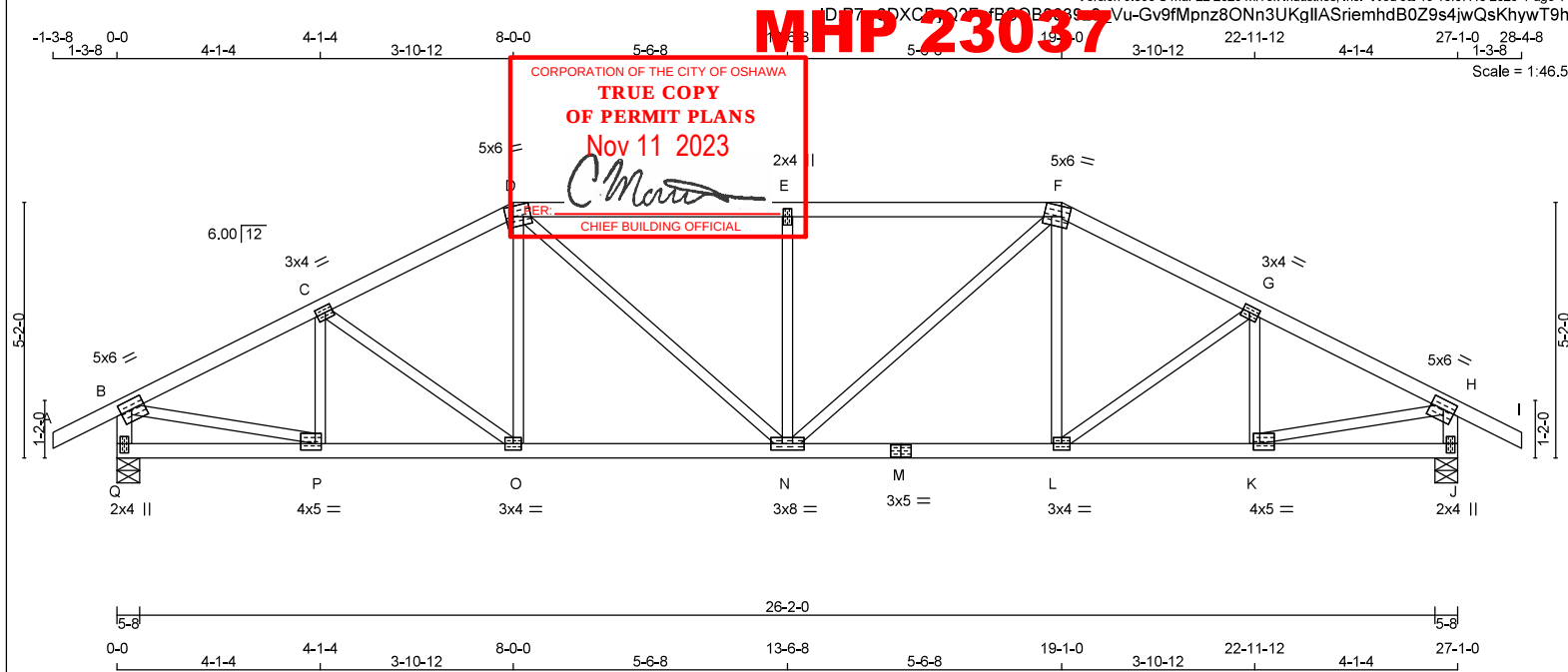


READ ALL NOTES ON THIS PAGE AND ON THE ENGINEERING NOTES: TRUSSES. THE NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-122	T01	1	1	TRUSS DESC.	VILLA 7-1	

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TOTAL WEIGHT = 110 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	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
Q	2026	0	2026	0
J	2026	0	2026	0

UNFACTORED REACTIONS

	1ST CASE	MAX. MIN. COMPONENT REACTIONS
	COMBINED	SNOW LIVE PERM. LIVE WIND DEAD SOIL
Q	1414	1037 / 0
J	1414	1037 / 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)	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	P-C	-419 / 0
B-C	-2549 / 0	-119.4	-119.4	0.30 (1)	4.03	C-O	-168 / 0
C-D	-2446 / 0	-119.4	-119.4	0.29 (1)	4.11	O-D	0 / 198
D-E	-2685 / 0	-119.4	-119.4	0.57 (1)	3.58	D-N	0 / 687
E-F	-2685 / 0	-119.4	-119.4	0.57 (1)	3.58	N-E	-811 / 0
F-G	-2446 / 0	-119.4	-119.4	0.29 (1)	4.11	N-F	0 / 687
G-H	-2549 / 0	-119.4	-119.4	0.30 (1)	4.03	L-F	0 / 198
H-I	0 / 36	-119.4	-119.4	0.16 (1)	10.00	L-G	-168 / 0
Q-B	-1988 / 0	0.0	0.0	0.20 (1)	5.91	K-G	-419 / 0
J-H	-1988 / 0	0.0	0.0	0.20 (1)	5.91	B-P	0 / 2350
					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
(PS)	(PL)	(PS)	(PL)
MT20	650	371	1747

MAX MIN MAX MIN MAX MIN
1788 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

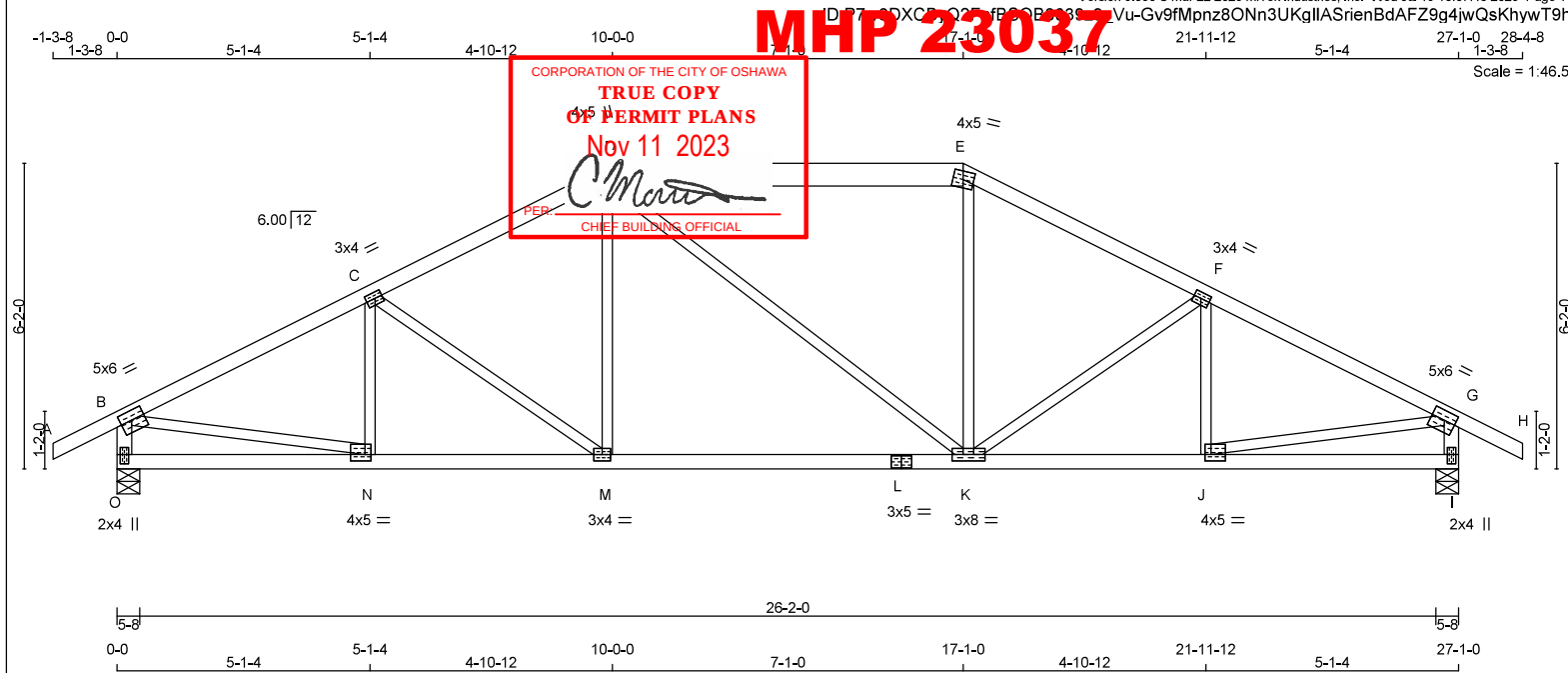
JSI GRIP = 0.88 (P) (INPUT = 0.90)
JSI METAL = 0.69 (M) (INPUT = 1.00)

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.



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-122	T02	1	1	TRUSS DESC.	VILLA 7-1	

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**LUMBER**

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
I - G	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)

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	5.0	2.00	1.75
E	TTWV-m	MT20	4.0	5.0		
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	3.0	4.0		
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	1ST CASE	MAX. MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
O	1414	1037 / 0	0 / 0	376 / 0	0 / 0
I	1414	1037 / 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 = 3.78 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)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)	
FR-TO		FROM	TO	FR-TO		FROM	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)
O-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)
O-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**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/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 (0.90")
 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) , 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 (PSI)	SECTION (PL)
MT20	650	371	1747
			1987

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

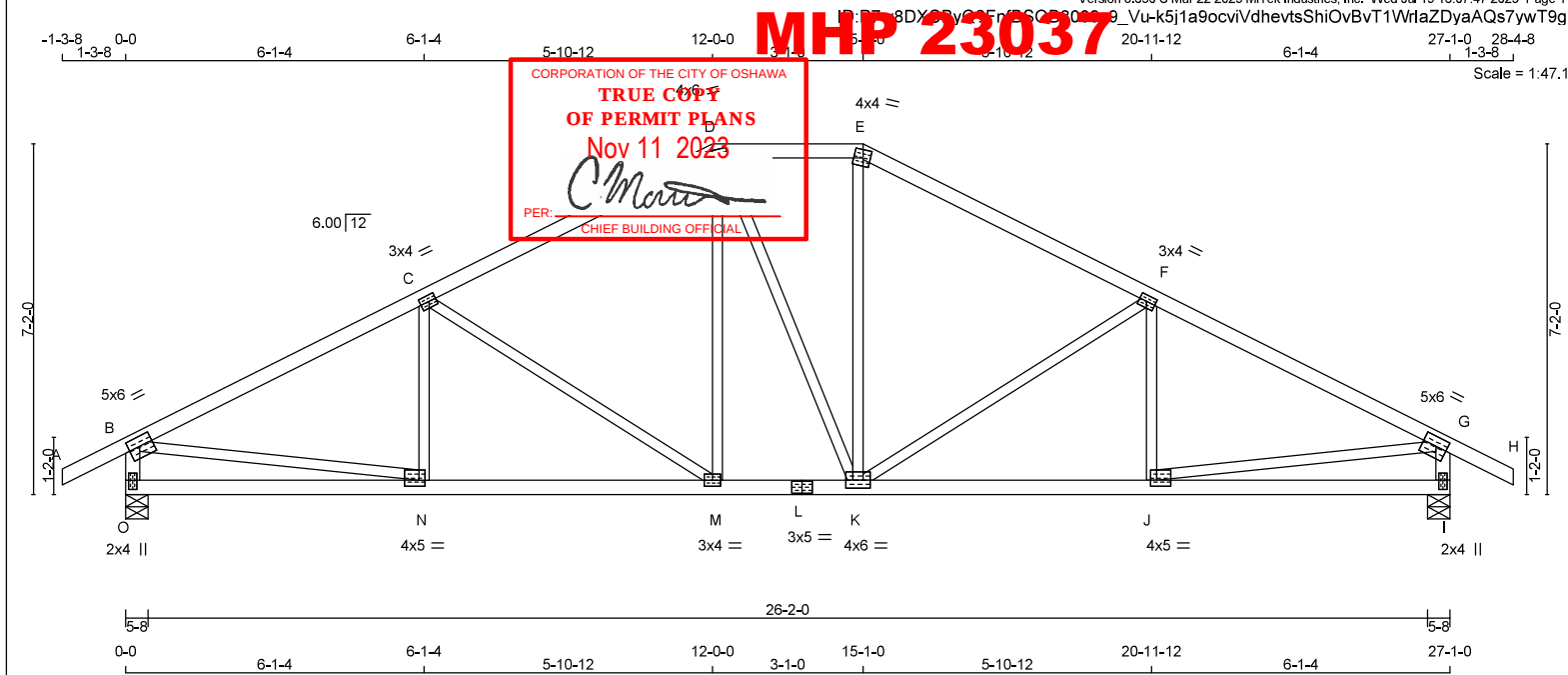
JSI GRIP = 0.90 (D) (INPUT = 0.90)
JSI METAL = 0.68 (N) (INPUT = 1.00)

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.
NE0723-122	T03	1	1	TRUSS DESC.	VILLA 7-1	

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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.

DESCR.

SPF

SPF

SPF

SPF

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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
O	2026	0	2026	0
I	2026	0	2026	0

UNFACTORED REACTIONS

	1ST CASE	MAX. MIN. COMPONENT REACTIONS
JT	COMBINED	SNOW
O	1414	1037 / 0
I	1414	1037 / 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 (LBS)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. FACTORED (LBS)	MAX. FACTORED (LBS)
FR-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			

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

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 (0.90")
 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
 (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)



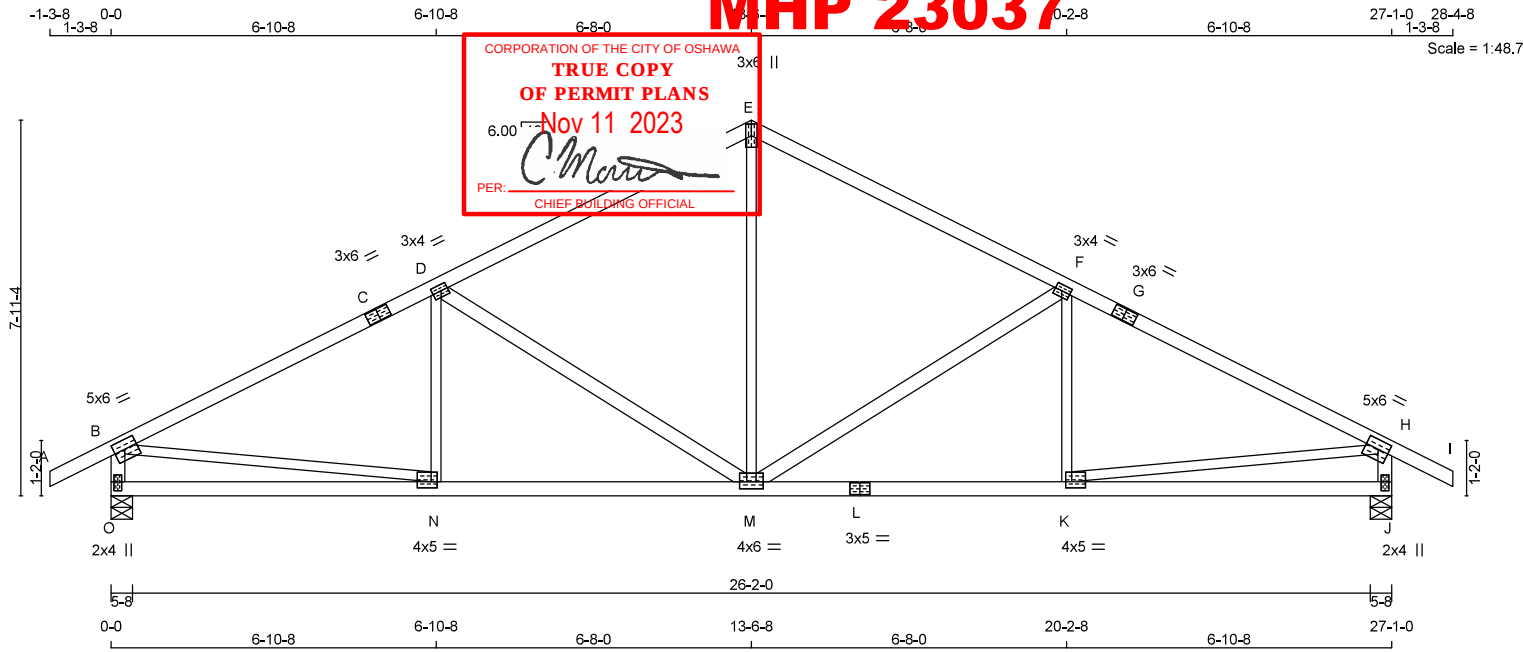
READ ALL NOTES ON THIS PAGE AND ON THE
 ENGINEERING NOTES: TRUSSES. THE NOTE PAGE
 IS AN INTEGRAL PART OF THIS DRAWING AS IT
 CONTAINS SPECIFICATIONS AND CRITERIA USED
 IN THE DESIGN OF THIS COMPONENT.



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
NE0723-122	T04	8	1	GREENPARK - ZADORRA ESTATES - VILLA 7-1	

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MHP 23037



TOTAL WEIGHT = 8 X 111 = 889 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
G - 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 - F	2x4	DRY	No.2
D - M	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	TS4	MT20	3.0	6.0		
H	TMVW4	MT20	5.0	6.0	2.25	2.75
J	BMV1+p	MT20	2.0	4.0	2.25	1.00
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	REQRD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
O	2026	0	2026	0
J	2026	0	2026	0

UNFACTORED REACTIONS

	1ST CASE	MAX. MIN.	COMPONENT REACTIONS
JT	COMBINED	SNOW	LIVE
O	1414	1037 / 0	0 / 0
J	1414	1037 / 0	0 / 0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.95 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)	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 / 1065	0.24 (1)
B-C	-2635 / 0	-119.4	-119.4 0.91 (1)	2.95	M-F	-871 / 0	0.81 (1)
C-D	-2635 / 0	-119.4	-119.4 0.91 (1)	2.95	K-F	-166 / 76	0.05 (1)
D-E	-1904 / 0	-119.4	-119.4 0.79 (1)	3.65	D-M	-871 / 0	0.81 (1)
E-F	-1904 / 0	-119.4	-119.4 0.79 (1)	3.65	N-D	-166 / 76	0.05 (1)
F-G	-2635 / 0	-119.4	-119.4 0.91 (1)	2.95	B-N	0 / 2414	0.54 (1)
G-H	-2635 / 0	-119.4	-119.4 0.91 (1)	2.95	K-H	0 / 2414	0.54 (1)
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			

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, 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 (F-H:1), BC=0.47/0.97 (K-M:1),
WB=0.81/0.97 (F-M: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)
MT20	650	371	1747

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

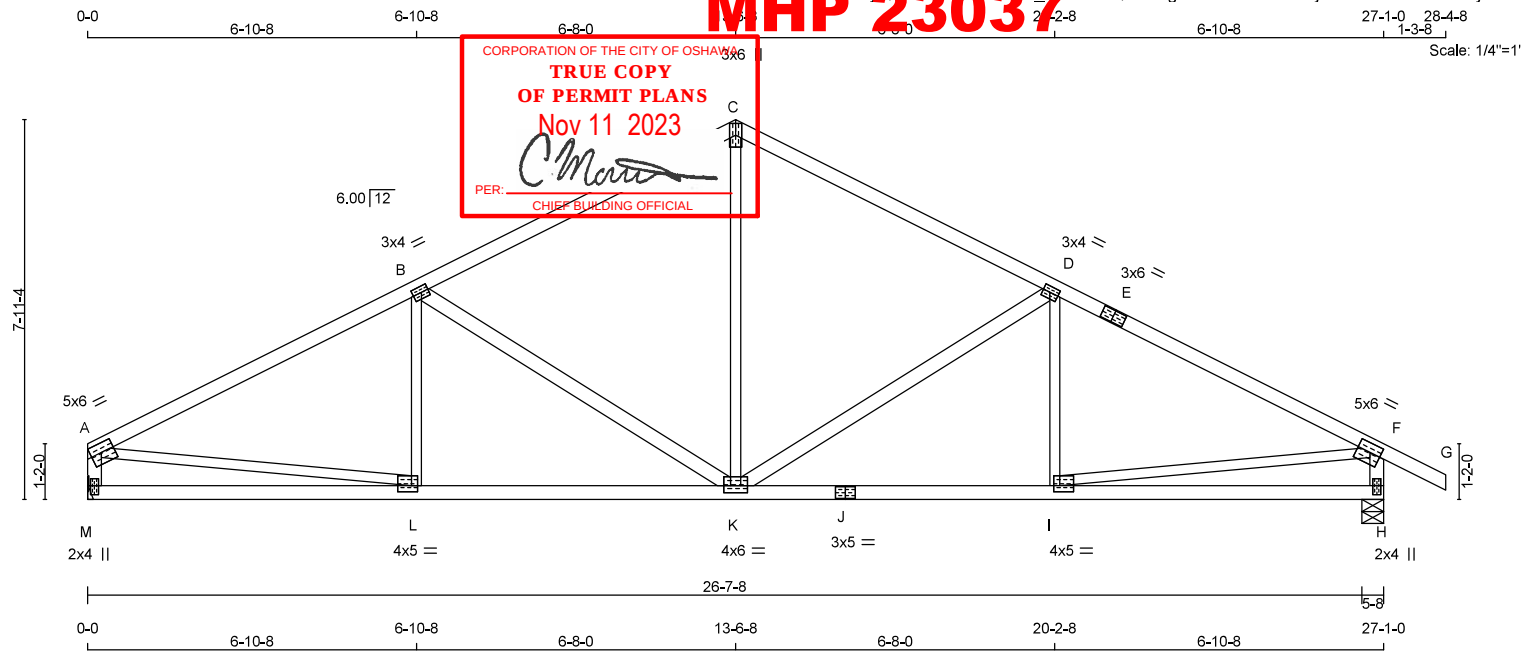
JSI GRIP= 0.89 (B) (INPUT = 0.90)
JSI METAL = 0.74 (L) (INPUT = 1.00)

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 7-1	DRWG NO.
NE0723-122	T05	3	1	TRUSS DESC.		

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TOTAL WEIGHT = 3 X 110 = 329 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	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**

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)

CHORDS				WEBS			
MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX LC1 CSI (LC)	MAX. UNBRAC	MEMB.	MAX. FACTORED FORCE (LBS)	MAX LC1 CSI (LC)
FR-TO		FROM TO		LENGTH	FR-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 = 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 (0.90")
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.

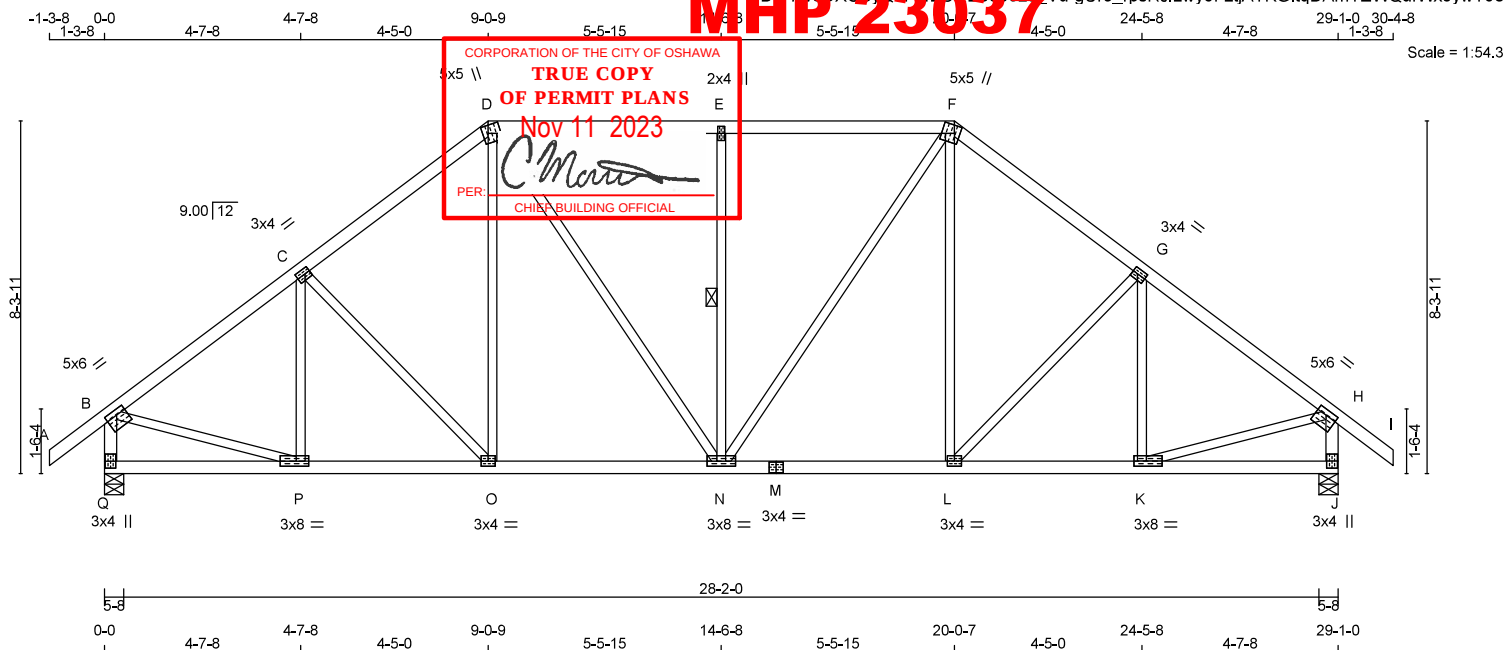
JSI GRIP= 0.89 (A) (INPUT = 0.90)
JSI METAL = 0.74 (J) (INPUT = 1.00)

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 -	DRWG NO.
NE0723-122	T06	2	1	TRUSS DESC.	VILLA 7-1	

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TOTAL WEIGHT = 2 X 137 = 273 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 - 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	1.50	2.75
C	TMVW4	MT20	3.0	4.0	1.50	1.50
D	TTVW+m	MT20	5.0	5.0	2.25	1.50
E	TMVW+w	MT20	2.0	4.0		
F	TTVW+m	MT20	5.0	5.0	2.25	1.50
G	TMVW4	MT20	3.0	4.0	1.50	1.50
H	TMVW4	MT20	5.0	6.0	1.50	2.75
J	BMV1+p	MT20	3.0	4.0		
K	BMVW4	MT20	3.0	8.0	1.50	3.50
L	BMVW4	MT20	3.0	4.0		
M	BS4	MT20	3.0	4.0		
N	BMVW4	MT20	3.0	8.0		
O	BMVW4	MT20	3.0	4.0		
P	BMVW4	MT20	3.0	8.0	1.50	3.50
Q	BMV1+p	MT20	3.0	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	REQD BRG
JT	VERT	HORZ	DOWN	HORZ
Q	2167	0	2167	0
J	2167	0	2167	0

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
Q	1512	1108 / 0	0 / 0	0 / 0	0 / 0	0 / 0	403 / 0	0 / 0
J	1512	1108 / 0	0 / 0	0 / 0	0 / 0	0 / 0	403 / 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 = 4.26 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.

1 - 1x4 LATERAL BRACE(S) AT 1/2 LENGTH OF E-N. DBS = 20'-0". CBF = 100 LBS.

DBS = DIAGONAL BRACE SPACING (MAX). CBF = CUMULATIVE BRACING FORCE (PER BRACE). FASTEN LATERAL BRACE(S) USING (0.122"x3") SPIRAL NAILS: 1 NAIL FOR 2x3 BRACE(S), 2 FOR 1x4, 2x4, 2x5, 3 FOR 2x6, 4 FOR 2x8, 5 FOR 2x10, AND 6 FOR 2x12.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (4)

MEMB.	CHORDS MAX. FACTORED FORCE (LBS)	VERT. LOAD (PLF)	MAX. UNBRACED LENGTH (LC1)	MEMB.	WEBS MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC1)
FR-TO				FR-TO		
A-B	0 / 49	-119.4	-119.4 0.16 (1)	P-C	-364 / 0	0.13 (1)
B-C	-2133 / 0	-119.4	-119.4 0.38 (1)	C-O	-250 / 0	0.19 (1)
C-D	-1996 / 0	-119.4	-119.4 0.38 (1)	O-D	0 / 274	0.06 (1)
D-E	-1875 / 0	-119.4	-119.4 0.51 (1)	D-N	0 / 546	0.12 (1)
E-F	-1875 / 0	-119.4	-119.4 0.51 (1)	N-E	-802 / 0	0.35 (1)
F-G	-1996 / 0	-119.4	-119.4 0.38 (1)	N-F	0 / 546	0.12 (1)
G-H	-2133 / 0	-119.4	-119.4 0.38 (1)	L-F	0 / 274	0.06 (1)
H-I	0 / 49	-119.4	-119.4 0.16 (1)	L-G	-250 / 0	0.19 (1)
Q-B	-2129 / 0	0.0	0.0 0.22 (1)	K-G	-364 / 0	0.13 (1)
J-H	-2129 / 0	0.0	0.0 0.22 (1)	B-P	0 / 1794	0.40 (1)
				K-H	0 / 1794	0.40 (1)
Q-P	0 / 0	-18.2	-18.2 0.08 (4)			
P-O	0 / 1737	-18.2	-18.2 0.33 (1)			
O-N	0 / 1566	-18.2	-18.2 0.30 (1)			
N-M	0 / 1566	-18.2	-18.2 0.30 (1)			
M-L	0 / 1566	-18.2	-18.2 0.30 (1)			
L-K	0 / 1737	-18.2	-18.2 0.33 (1)			
K-J	0 / 0	-18.2	-18.2 0.08 (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 (0.08")
ALLOWABLE DEFL.(TL) = L/360 (0.97")
CALCULATED VERT. DEFL.(TL) = L/999 (0.13")CSI: TC=0.51/0.97 (D-E:1), BC=0.33/0.97 (K-L:1),
WB=0.40/0.97 (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 (PL)	SECTION (PL)
MT20	650	371	1747

MAX MIN MAX MIN MAX MIN

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

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

JSI METAL = 0.57 (H) (INPUT = 1.00)

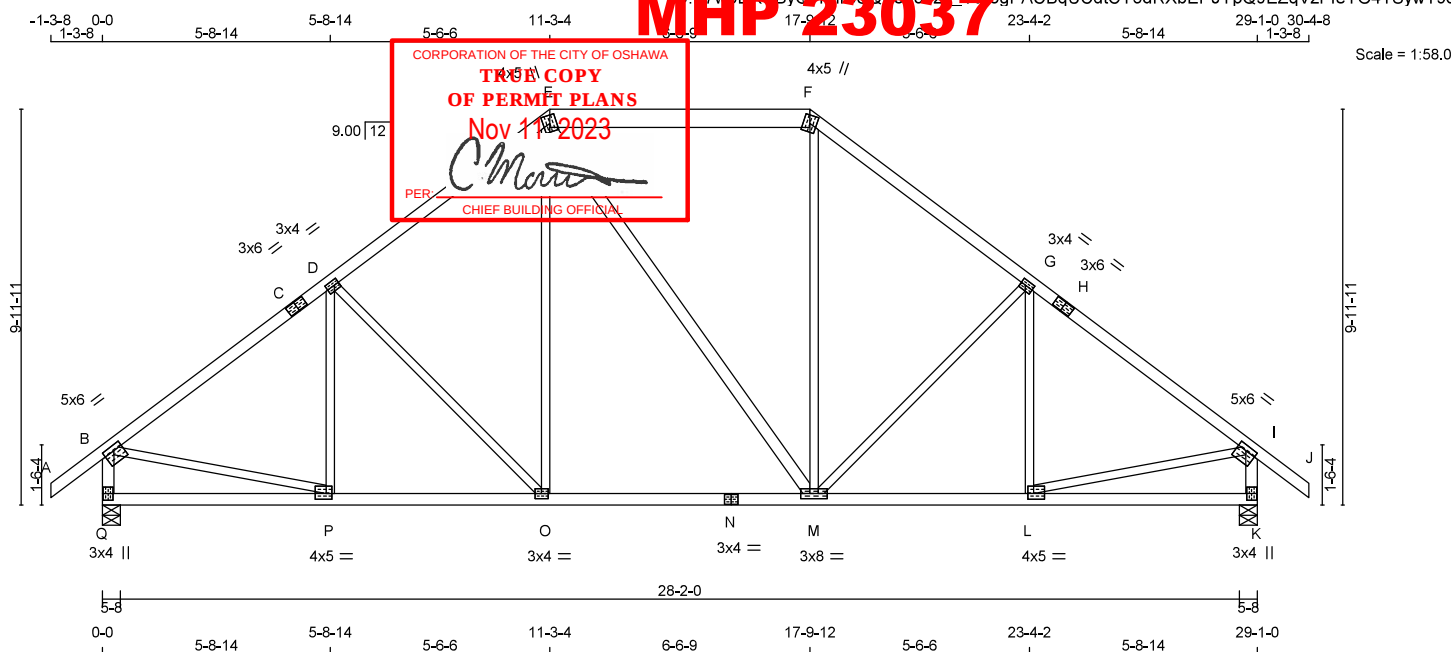


READ ALL NOTES ON THIS PAGE AND ON THE ENGINEERING NOTES: TRUSSES. THE NOTE PAGE IS AN INTEGRAL PART OF THIS DRAWING AS IT CONTAINS SPECIFICATIONS AND CRITERIA USED IN THE DESIGN OF THIS COMPONENT.



JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-122	T07	2	1	TRUSS DESC.	VILLA 7-1	

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TOTAL WEIGHT = 2 X 141 = 282 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER
A - C	2x4	DRY	No.2
C - E	2x4	DRY	No.2
E - F	2x6	DRY	No.2
F - H	2x4	DRY	No.2
H - J	2x4	DRY	No.2
J - B	2x4	DRY	No.2
Q - I	2x4	DRY	No.2
Q - N	2x4	DRY	No.2
N - K	2x4	DRY	No.2
ALL WEBS	2x3	DRY	No.2
EXCEPT			
E - M	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	1.50	2.75
C	TS4	MT20	3.0	6.0		
D	TMVW4	MT20	3.0	4.0	1.50	1.50
E	TTWW+m	MT20	4.0	5.0		
F	TTWW+m	MT20	4.0	5.0		
G	TMVW4	MT20	3.0	4.0	1.50	1.50
H	TS4	MT20	3.0	6.0		
I	TMVW4	MT20	5.0	6.0	1.50	2.75
K	BMV1+p	MT20	3.0	4.0		
L	BMVW4	MT20	4.0	5.0	1.75	1.75
M	BMVW4	MT20	3.0	8.0		
N	BS4	MT20	3.0	4.0		
O	BMVW4	MT20	3.0	4.0		
P	BMVW4	MT20	4.0	5.0	1.75	1.75
Q	BMV1+p	MT20	3.0	4.0		

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

	FACTORED	MAXIMUM FACTORED	INPUT	REQD
	GROSS REACTION	GROSS REACTION	BRG	BRG
JT	VERT	HORZ	DOWN	HORZ
Q	2167	0	2167	0
K	2167	0	2167	0

UNFACTORED REACTIONS

JT	1ST CASE	MAX. MIN. COMPONENT REACTIONS	WIND	DEAD	SOIL
Q	1512	1108 / 0	0 / 0	403 / 0	0 / 0
K	1512	1108 / 0	0 / 0	403 / 0	0 / 0

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

BRACINGTOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.92 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)	
FR-TO				FR-TO			
A-B	0 / 49	-119.4	-119.4 0.16 (1)	P-D	-261 / 24	0.14 (1)	
B-C	-2163 / 0	-119.4	-119.4 0.60 (1)	D-O	-459 / 0	0.56 (1)	
C-D	-2163 / 0	-119.4	-119.4 0.60 (1)	O-E	0 / 440	0.10 (1)	
D-E	-1854 / 0	-119.4	-119.4 0.56 (1)	E-M	0 / 0	0.00 (1)	
E-F	-1442 / 0	-119.4	-119.4 0.33 (1)	M-F	0 / 441	0.10 (1)	
F-G	-1854 / 0	-119.4	-119.4 0.56 (1)	M-G	-458 / 0	0.55 (1)	
G-H	-2162 / 0	-119.4	-119.4 0.60 (1)	L-G	-263 / 24	0.14 (1)	
H-I	-2162 / 0	-119.4	-119.4 0.60 (1)	B-P	0 / 1806	0.41 (1)	
I-J	0 / 49	-119.4	-119.4 0.16 (1)	L-I	0 / 1806	0.41 (1)	
Q-B	-2121 / 0	0.0	0.0 0.22 (1)				
K-I	-2121 / 0	0.0	0.0 0.22 (1)				
Q-P	0 / 0	-18.2	-18.2 0.12 (4)				
P-O	0 / 1769	-18.2	-18.2 0.36 (1)				
O-N	0 / 1442	-18.2	-18.2 0.31 (1)				
N-M	0 / 1442	-18.2	-18.2 0.31 (1)				
M-L	0 / 1768	-18.2	-18.2 0.37 (1)				
L-K	0 / 0	-18.2	-18.2 0.12 (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 (0.07")
ALLOWABLE DEFL.(TL)= L/360 (0.97")
CALCULATED VERT. DEFL.(TL) = L/999 (0.15")CSI: TC=0.60/0.97 (B-D:1), BC=0.37/0.97 (L-M:1),
WB=0.56/0.97 (D-O:1), SSI=0.26/1.00 (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
(PL)	(PS)	(PL)	(PL)
MT20	650	371	1747

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

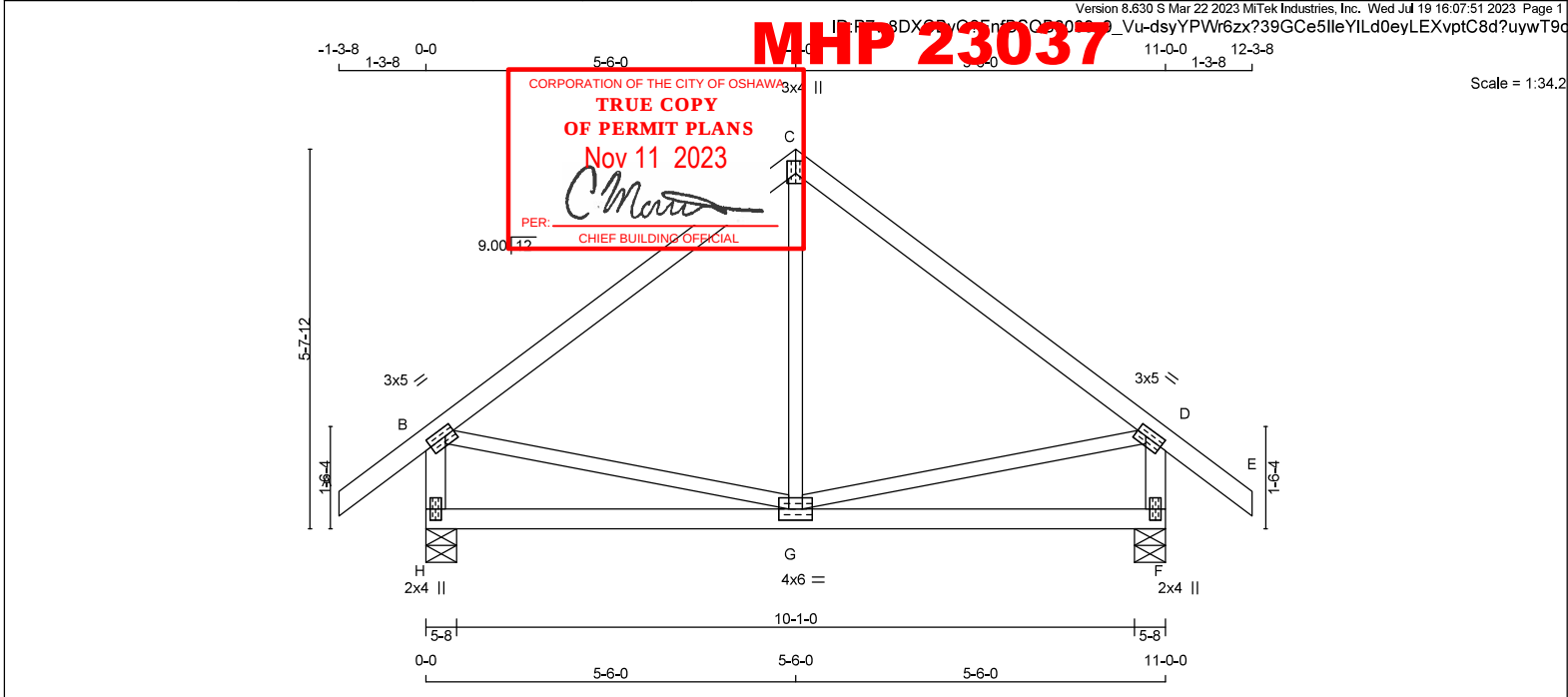
JSI GRIP = 0.88 (P) (INPUT = 0.90)
JSI METAL = 0.59 (B) (INPUT = 1.00)

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
NE0723-122	T09	1	1	GREENPARK - ZADORRA ESTATES - VILLA 7-1	

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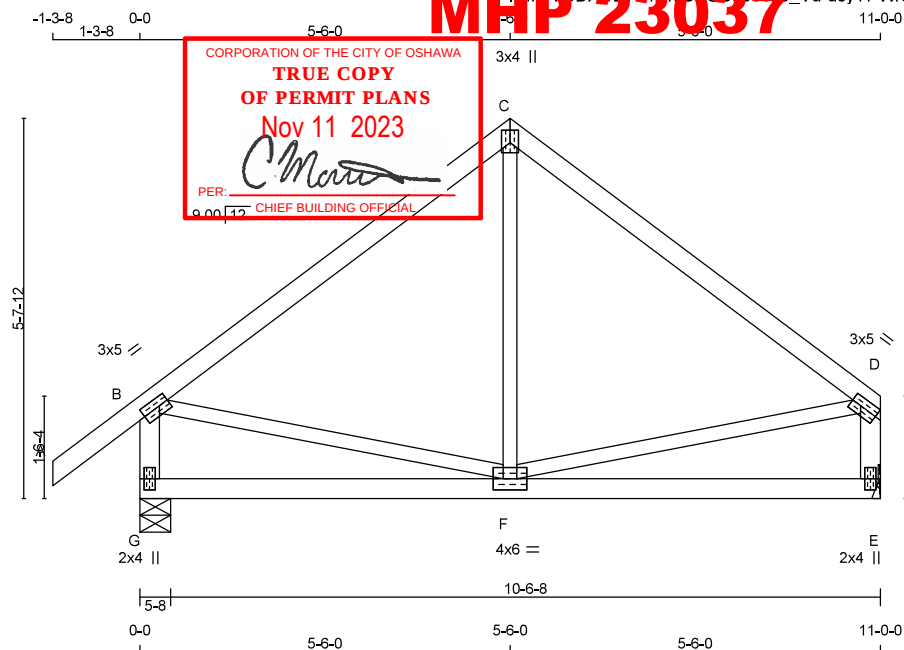


LUMBER				DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING				DESIGN CRITERIA			
N. L. G. A. RULES				DESIGNER				SPECIFIED LOADS:			
CHORDS	SIZE	LUMBER		BEARINGS				TOP CH. LL =	34.8	PSF	
A - C	2x4	DRY	No.2	FACTORED	MAXIMUM FACTORED	INPUT	REQD	DL =	6.0	PSF	
C - E	2x4	DRY	No.2	GROSS REACTION	GROSS REACTION	BRG	BRG	BOT CH. LL =	0.0	PSF	
H - B	2x4	DRY	No.2	JT VERT	HORZ	DOWN	HORZ	DL =	7.3	PSF	
F - D	2x4	DRY	No.2	H	922	0	922	0	0	0	
H - F	2x4	DRY	No.2	F	922	0	922	0	0	0	
ALL WEBS	2x3	DRY	No.2	SPF				TOTAL LOAD =	48.1	PSF	
EXCEPT								SPACING =	24.0	IN./C	
DRY: SEASONED LUMBER.				UNFACTORED REACTIONS				THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2015			
				1ST CASE	MAX./MIN. COMPONENT REACTIONS			THIS DESIGN COMPLIES WITH:			
				JT COMBINED	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL	
				H	642	479 / 0	0 / 0	0 / 0	163 / 0	0 / 0	
				F	642	479 / 0	0 / 0	0 / 0	163 / 0	0 / 0	
				BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) H, F							
				BRACING				ALLOWABLE DEFL.(LL) = L/360 (0.37")			
				TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.				CALCULATED VERT. DEFL.(LL) = L/999 (0.01")			
				MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.				ALLOWABLE DEFL.(TL) = L/360 (0.37")			
				ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.				CALCULATED VERT. DEFL.(TL) = L/999 (0.02")			
				LOADING				CSI: TC=0.47/0.97 (B-C:1) , BC=0.16/0.97 (F-G:4) ,			
				TOTAL LOAD CASES: (4)				WB=0.09/0.97 (D-G:1) , SSI=0.21/1.00 (B-C:1)			
				CHORDS				DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10			
				MEMB. MAX. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. LC1 (LC)	MAX. UNBRACED LENGTH	MEMB. MAX. FORCE (LBS)	MAX. FACTORED (LBS)	MAX. CSI (LC)	
				FR-TO	FROM	TO		FR-TO			
				A-B	0 / 49	-119.4	-119.4 0.16 (1)	10.00	G-C	-52 / 88	0.03 (4)
				B-C	-504 / 0	-119.4	-119.4 0.47 (1)	6.25	B-G	0 / 413	0.09 (1)
				C-D	-504 / 0	-119.4	-119.4 0.47 (1)	6.25	G-D	0 / 413	0.09 (1)
				D-E	0 / 49	-119.4	-119.4 0.16 (1)	10.00			
				H-B	-883 / 0	0.0	0.0 0.09 (1)	7.81			
				F-D	-883 / 0	0.0	0.0 0.09 (1)	7.81			
				H-G	0 / 0	-18.2	-18.2 0.16 (4)	10.00			
				G-F	0 / 0	-18.2	-18.2 0.16 (4)	10.00			
				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)					
				MT20	650	371	1747	788	1987	1873	
				PLATE PLACEMENT TOL. = 0.250 inches							
				PLATE ROTATION TOL. = 5.0 Deg.							
				JSI GRIP= 0.71 (B) (INPUT = 0.90)							
				JSI METAL = 0.23 (D) (INPUT = 1.00)							

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-122	T10	3	1	TRUSS DESC.	VILLA 7-1	

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Scale = 1:34.2

TOTAL WEIGHT = 3 X 46 = 137 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	1.75
C	TTW+p	MT20	3.0	4.0	2.25	1.50
D	TMVWH	MT20	3.0	5.0	1.50	Edge
E	BMV1+p	MT20	2.0	4.0		
F	BMVWHH	MT20	4.0	6.0		
G	BMV1+p	MT20	2.0	4.0		

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

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

BEARINGS							
	FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
G	922	0	922	0	0	5-8	1-8
E	757	0	757	0	0	MECHANICAL	

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

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
G	642	479 / 0	0 / 0	0 / 0	0 / 0	163 / 0	0 / 0
E	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) 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. UNBRACED LENGTH (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. UNBRACED LENGTH (LC)	
FR-TO		FROM TO		FR-TO			
A-B	0 / 49	-119.4 -119.4	0.16 (1)	10.00	F-C	-52 / 88	0.03 (4)
B-C	-504 / 0	-119.4 -119.4	0.47 (1)	6.25	B-F	0 / 413	0.09 (1)
C-D	-504 / 0	-119.4 -119.4	0.47 (1)	6.25	F-D	0 / 413	0.09 (1)
G-B	-883 / 0	0.0 0.0	0.09 (1)	7.81			
E-D	-718 / 0	0.0 0.0	0.08 (1)	7.81			
G-F	0 / 0	-18.2 -18.2	0.16 (4)	10.00			
F-E	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

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) = $L/999$ (0.02")

CSI: TC=0.47/0.97 (B-C:1) , BC=0.16/0.97 (F-G:4) ,
 WB=0.09/0.97 (B-F:1) , SSI=0.21/1.00 (B-C:1)

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

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.71 (D) (INPUT = 0.90)
 JSI METAL= 0.23 (D) (INPUT = 1.00)

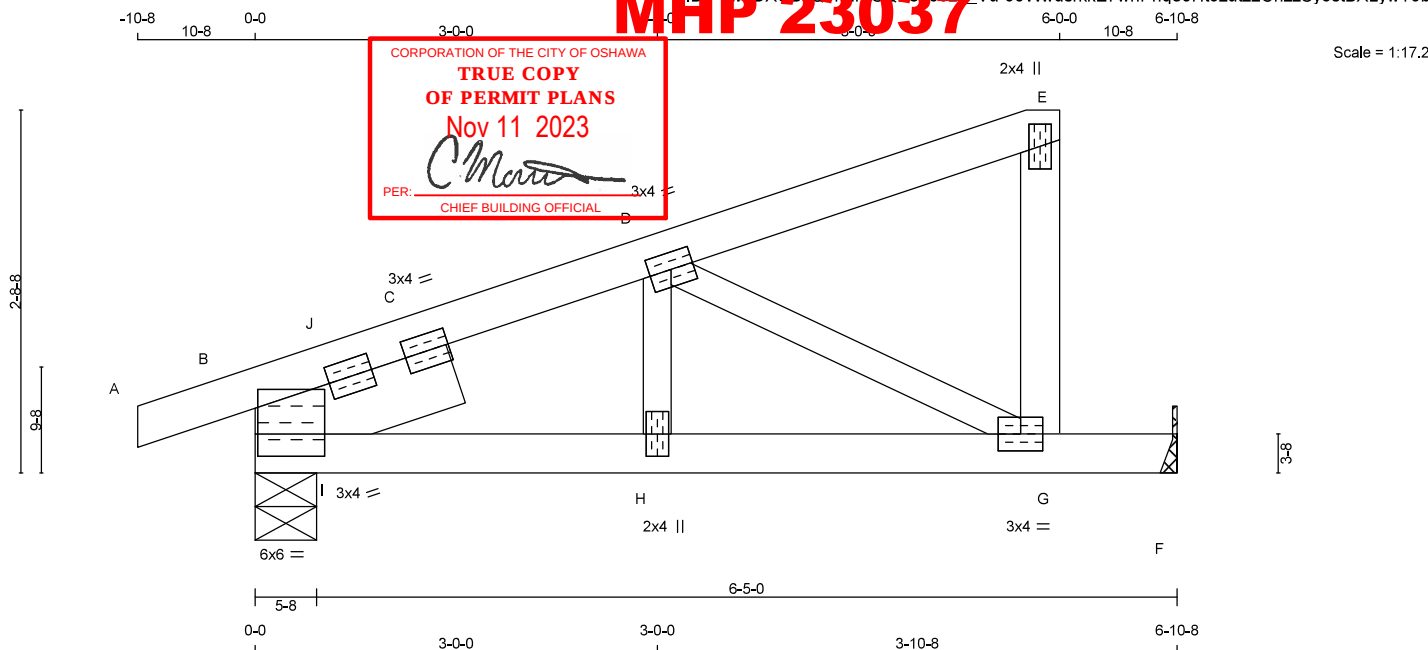


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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-122	T11	5	1	TRUSS DESC.	VILLA 7-1	

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TOTAL WEIGHT = 5 X 25 = 124 lb

LUMBER

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

REINFORCING MEMBERS

HW1	2x6	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	TMBMR1-I	MT20	6.0	6.0	4.25	0.25
B	RT-I	MT20	3.0	4.0		
B	RT-I	MT20	3.0	4.0		
D	TMWW-I	MT20	3.0	4.0		
E	TMV-I	MT20	2.0	4.0		
G	BMVW-I	MT20	3.0	4.0		
H	BMVW-I	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
B	577	0	577	0	0	5-8	1-8
F	375	0	375	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
B	COMBINED	SNOW LIVE PERM.LIVE WIND DEAD SOIL
B	401	300 / 0 0 / 0 0 / 0 0 / 0 102 / 0 0 / 0
F	264	182 / 0 0 / 0 0 / 0 0 / 0 82 / 0 0 / 0

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

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 (PL)	MAX. CS (LC)	MAX. UNBRACED LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CS (LC)
FR-TO		FROM	TO		FR-TO		
A-B	-11 / 0	-119.4	-119.4 0.05 (1)	6.25	H-D	0 / 210	0.05 (1)
B-J	-575 / 0	-119.4	-119.4 0.02 (1)	6.25	D-G	-678 / 0	0.14 (1)
J-C	-493 / 0	-119.4	-119.4 0.09 (1)	6.25	I-J	0 / 350	0.00 (1)
C-D	-493 / 0	-119.4	-119.4 0.09 (1)	6.25	I-C	-411 / 0	0.03 (1)
D-E	-5 / 0	-119.4	-119.4 0.13 (1)	10.00			
G-E	-162 / 0	0.0	0.0 0.02 (1)	7.81			
B-I	0 / 384	-18.2	-18.2 0.07 (1)	10.00			
I-H	0 / 607	-18.2	-18.2 0.20 (1)	10.00			
H-G	0 / 607	-18.2	-18.2 0.53 (1)	10.00			
G-F	0 / 0	-18.2	-18.2 0.44 (1)	10.00			

DESIGN CRITERIA**SPECIFIED LOADS:**

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

SPACING = 24.0 IN./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 (0.23")
CALCULATED VERT. DEFL.(LL) = L/999 (0.05")
ALLOWABLE DEFL.(TL) = L/360 (0.23")
CALCULATED VERT. DEFL.(TL) = L/886 (0.09")CSI: TC=0.13/0.97 (D-E:1) , BC=0.53/0.97 (G+H:1) ,
WB=0.14/0.97 (D-G:1) , SSI=0.29/1.00 (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)
MT20	650	371	1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

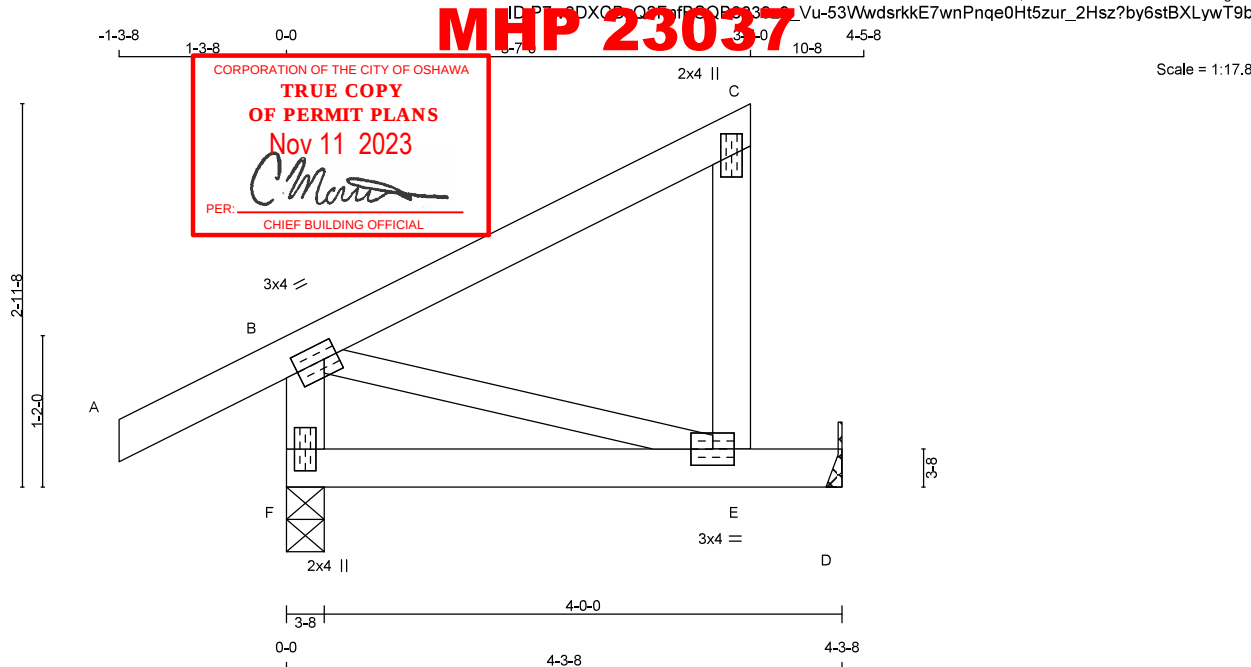
JSI GRIP= 0.88 (G) (INPUT = 0.90)
JSI METAL= 0.21 (G) (INPUT = 1.00)

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.
NE0723-122	T12	3	1	TRUSS DESC.	VILLA 7-1	

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TOTAL WEIGHT = 3 X 17 = 52 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	450	0	450	0
D	218	0	218	0

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

UNFACTORED REACTIONS

1ST LCASE		MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
F	312	240 / 0	0 / 0	0 / 0	0 / 0	73 / 0	0 / 0
D	153	104 / 0	0 / 0	0 / 0	0 / 0	49 / 0	0 / 0

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

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. 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)	B-E	0 / 0	0.00 (1)	
B-C	0 / 0	-119.4	-119.4	0.26 (1)				
E-C	-214 / 0	0.0	0.0	0.03 (1)				
F-B	-376 / 0	0.0	0.0	0.04 (1)				
F-E	0 / 0	-18.2	-18.2	0.20 (1)				
E-D	0 / 0	-18.2	-18.2	0.20 (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

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 (0.02")
ALLOWABLE DEFL.(TL) = L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/999 (0.05")CSI: TC=0.26/0.97 (B-C:1), BC=0.20/0.97 (D-E: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.

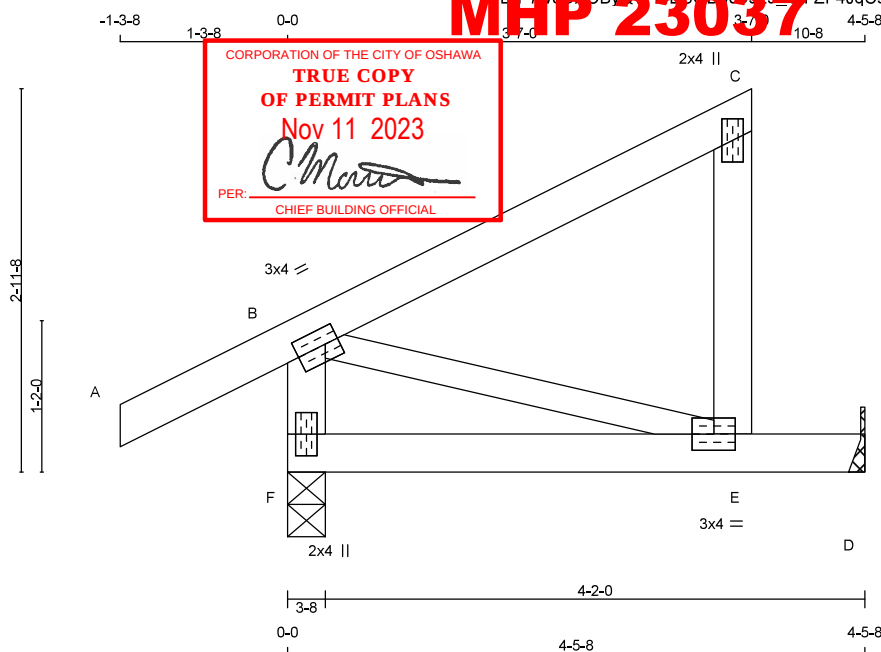
JSI GRIP= 0.33 (B) (INPUT = 0.90)
JSI METAL= 0.09 (C) (INPUT = 1.00)

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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	GREENPARK - ZADORRA ESTATES -	DRWG NO.
NE0723-122	T13	6	1	TRUSS DESC.	VILLA 7-1	

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Scale = 1:17.8

TOTAL WEIGHT = 6 X 17 = 105 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.			

DESCR.

SPF

SPF

SPF

SPF

SPF

SPF

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW	MT20	3.0	4.0	1.50	1.25
C	TMV+p	MT20	2.0	4.0		
E	BMVW	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**

JT	VERT	HORZ	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
F	459	0	459	0	0	3-8
D	213	0	213	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 LCASE	MAX./MIN. COMPONENT REACTIONS	SNOW	LIVE	PERM. LIVE	WIND	DEAD	SOIL
F	COMBINED	318	244 / 0	0 / 0	0 / 0	0 / 0	75 / 0	0 / 0
D	150	100 / 0	0 / 0	0 / 0	0 / 0	0 / 0	50 / 0	0 / 0

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

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 (PL)	MAX. VERT. LOAD (LC1)	MAX. UNBRACED LENGTH (LC)	MEMB.	WEBS	MAX. FACTORED FORCE (LBS)	MAX. VERT. LOAD (LC1)
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
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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

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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= 0.33 (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.

