

MiTek USA, Inc. 16023 Swingley Ridge Rd Chesterfield, MO 63017 314-434-1200

Re: P230133-01

Roof - Osage Lot 69

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Premier Building Supply (Springhill, KS)20300 W 207th Street.

Pages or sheets covered by this seal: I57488591 thru I57488611

My license renewal date for the state of Missouri is December 31, 2024.

Missouri COA: Engineering 001193



March 30,2023

Nathan Fox

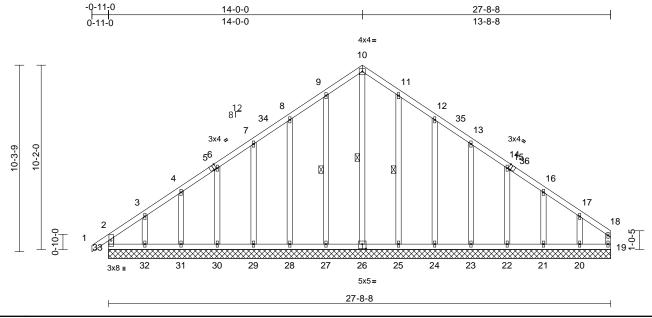
,Engineer

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	A1	Common Supported Gable	1	1	Job Reference (optional)	I57488591

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries. Inc. Thu Mar 30 10:58:34 ID:amhaBng3IV?NxK0j90UliezMCD0-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.01	19	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-R								
BCDL	10.0	1									Weight: 173 lb	FT = 20%

LUMBER TOP CHORD 2x4 SP No 2 BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.2 *Except* 18-19:2x4 SPF No.3

OTHERS 2x4 SPF No.3 BRACING

TOP CHORD

Scale = 1:63.6

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

Rigid ceiling directly applied or 6-0-0 oc

BOT CHORD

bracing.

WEBS 1 Row at midpt 10-26, 9-27, 11-25 REACTIONS (size) 19=27-8-8, 20=27-8-8, 21=27-8-8,

22=27-8-8. 23=27-8-8. 24=27-8-8. 25=27-8-8, 26=27-8-8, 27=27-8-8,

28=27-8-8, 29=27-8-8, 30=27-8-8, 31=27-8-8, 32=27-8-8, 33=27-8-8

Max Horiz 33=299 (LC 13)

Max Uplift 19=-72 (LC 15), 20=-163 (LC 17),

21=-62 (LC 17), 22=-82 (LC 17), 23=-76 (LC 17), 24=-86 (LC 17), 25=-65 (LC 17), 27=-68 (LC 16),

28=-84 (LC 16), 29=-76 (LC 16), 30=-83 (LC 16), 31=-58 (LC 16),

32=-166 (LC 16), 33=-142 (LC 12)

Max Grav 19=132 (LC 17), 20=232 (LC 27), 21=183 (LC 24), 22=191 (LC 27), 23=191 (LC 24), 24=264 (LC 24),

25=291 (LC 24), 26=294 (LC 17), 27=291 (LC 23), 28=264 (LC 23).

29=191 (LC 23), 30=192 (LC 26), 31=186 (LC 23), 32=240 (LC 26), 33=261 (LC 27)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-33=-217/123, 1-2=0/71, 2-3=-250/226,

3-4=-191/176, 4-6=-178/177, 6-7=-155/195, 7-8=-138/234, 8-9=-179/280, 9-10=-213/337,

10-11=-213/337, 11-12=-179/280, 12-13=-138/210. 13-14=-101/145.

14-16=-82/98, 16-17=-94/72, 17-18=-149/111, 18-19=-94/52

BOT CHORD 32-33=-102/121, 31-32=-102/121,

30-31=-102/121, 29-30=-102/121,

28-29=-102/121, 27-28=-102/121, 25-27=-102/121, 24-25=-102/121,

23-24=-102/121, 22-23=-102/121,

21-22=-102/121, 20-21=-102/121,

19-20=-102/121

WEBS 10-26=-294/131, 9-27=-251/93,

8-28=-224/108, 7-29=-151/100,

6-30=-150/105, 4-31=-145/96, 3-32=-171/148, 11-25=-251/89, 12-24=-224/109, 13-23=-150/100,

14-22=-150/104, 16-21=-147/99,

17-20=-166/138

NOTES

Unbalanced roof live loads have been considered for 1) this design.

Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-11-0 to 4-0-0. Exterior(2N) 4-0-0 to 14-0-0, Corner(3R) 14-0-0 to 19-0-0, Exterior(2N) 19-0-0 to 27-6-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable or consult qualified building designer as per ANSI/TPI 1.

- 4) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 10) Gable studs spaced at 2-0-0 oc.
- 11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 12) N/A



Continued on page 2

Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE



Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	A1	Common Supported Gable	1	1	Job Reference (optional)	57488591

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. Thu Mar 30 10:58:34

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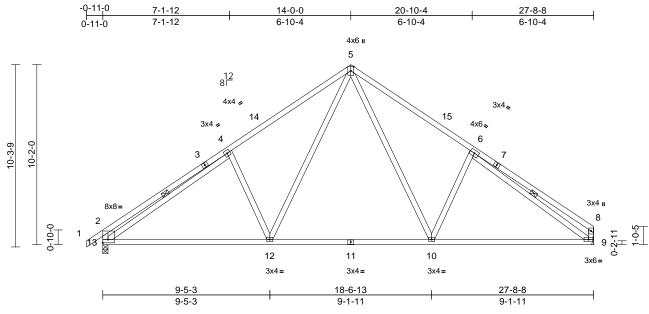
13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	A2	Common	10	1	Job Reference (optional)	57488592

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries. Inc. Thu Mar 30 10:58:36 ID:2zFyO7hhWp7DYUbwjk?_EszMCD?-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:65 Plate Offsets (X, Y): [2:Edge,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.17	12-13	>999	240	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.35	12-13	>935	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.05	9	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 150 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP 1650F 1.5E *Except* 1-3,7-8:2x4 SP

No.2

BOT CHORD 2x4 SP No.2

WEBS 2x4 SPF No.3 *Except* 13-2,9-8:2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.

Rigid ceiling directly applied or 10-0-0 oc

BOT CHORD bracing.

WFBS 1 Row at midpt 4-13, 6-9

REACTIONS 9= Mechanical, 13=0-3-8 (size)

Max Horiz 13=299 (LC 13)

Max Uplift 9=-171 (LC 17), 13=-200 (LC 16) Max Grav 9=1252 (LC 24), 13=1331 (LC 23)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-2=0/71, 2-4=-758/311, 4-5=-1554/357,

5-6=-1532/356, 6-8=-466/175, 2-13=-660/287, 8-9=-407/172

BOT CHORD 12-13=-261/1318, 10-12=-35/865,

9-10=-150/1286

5-10=-206/646, 6-10=-440/330,

5-12=-209/684, 4-12=-472/335,

4-13=-1075/63, 6-9=-1310/143

NOTES

WEBS

Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-11-0 to 4-1-0, Interior (1) 4-1-0 to 14-0-0, Exterior(2R) 14-0-0 to 19-0-0, Interior (1) 19-0-0 to 27-6-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 171 lb uplift at
- One H2.5T Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 13. This connection is for uplift only and does not consider lateral forces.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

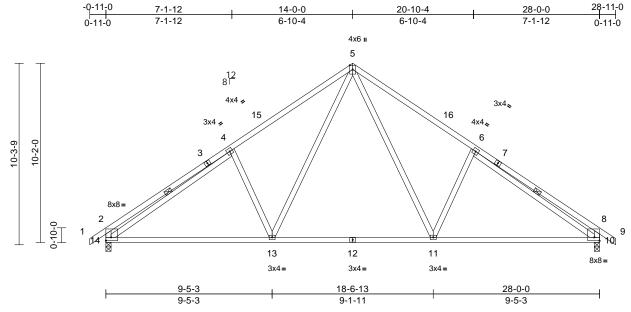
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	A3	Common	3	1	Job Reference (optional)	157488593

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries. Inc. Thu Mar 30 10:58:37 ID:_LNjppiy1QNxoolIq92SJHzMCCz-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:65.3 Plate Offsets (X, Y): [2:Edge,0-2-4], [10:Edge,0-2-4]

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.17	13-14	>999	240	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.35	13-14	>937	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.05	10	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 152 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP 1650F 1.5E *Except* 1-3,7-9:2x4 SP

No.2

BOT CHORD 2x4 SP No.2

WEBS 2x4 SPF No.3 *Except* 14-2,10-8:2x4 SP

No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

2-2-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

WEBS 1 Row at midpt 4-14, 6-10 REACTIONS (size) 10=0-3-8, 14=0-3-8

Max Horiz 14=-303 (LC 14)

Max Uplift 10=-201 (LC 17), 14=-201 (LC 16) Max Grav 10=1341 (LC 24), 14=1341 (LC 23)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/71, 2-4=-761/311, 4-5=-1569/359,

5-6=-1569/359, 6-8=-761/311, 8-9=0/71, 2-14=-662/287, 8-10=-662/286

BOT CHORD 13-14=-248/1330, 11-13=-23/882,

10-11=-105/1330

WEBS 5-11=-210/681, 6-11=-471/335,

5-13=-210/681, 4-13=-471/335,

4-14=-1088/65, 6-10=-1088/65

NOTES

Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-11-0 to 4-1-0, Interior (1) 4-1-0 to 14-0-0, Exterior(2R) 14-0-0 to 19-0-0, Interior (1) 19-0-0 to 28-11-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- One H2.5T Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14 and 10. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard





Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	A4	Common	4	1	Job Reference (optional)	157488594

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries. Inc. Thu Mar 30 10:58:37 ID:SYx509jaokVoPyKUOsZhsUzMCCy-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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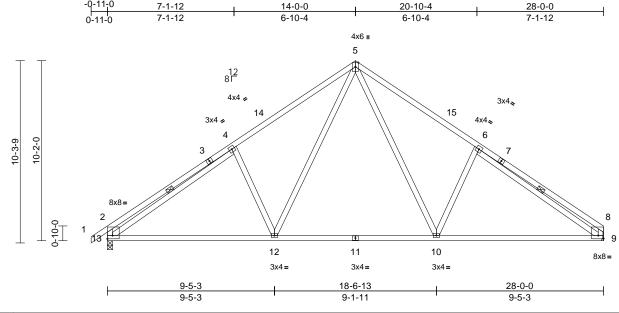


Plate Offsets (X, Y): [2:Edge,0-2-4], [9:Edge,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.17	12-13	>999	240	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.35	12-13	>937	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.05	9	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 151 lb	FT = 20%

LUMBER

Scale = 1:65

TOP CHORD 2x4 SP 1650F 1.5E *Except* 1-3,7-8:2x4 SP

No.2

BOT CHORD 2x4 SP No.2

WEBS 2x4 SPF No.3 *Except* 13-2,9-8:2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

WFBS 1 Row at midpt 4-13, 6-9

REACTIONS 9= Mechanical, 13=0-3-8 (size) Max Horiz 13=296 (LC 13)

Max Uplift 9=-174 (LC 17), 13=-201 (LC 16)

Max Grav 9=1265 (LC 24), 13=1341 (LC 23)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/71. 2-4=-760/311. 4-5=-1571/360.

5-6=-1579/364, 6-8=-619/211, 2-13=-662/286, 8-9=-501/196

BOT CHORD 12-13=-262/1332, 10-12=-36/884,

9-10=-149/1341

WEBS 5-10=-214/692, 6-10=-482/340,

5-12=-210/682, 4-12=-471/335,

4-13=-1089/67, 6-9=-1202/125

NOTES

Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-11-0 to 4-1-0, Interior (1) 4-1-0 to 14-0-0, Exterior(2R) 14-0-0 to 19-0-0. Interior (1) 19-0-0 to 27-10-4 zone: cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 174 lb uplift at
- One H2.5T Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 13. This connection is for uplift only and does not consider lateral forces.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



MiTek

Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	A5	Common Supported Gable	1	1	Job Reference (optional)	157488595

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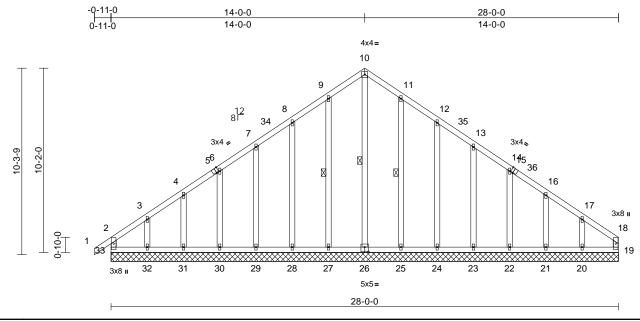


Plate Offsets (X, Y): [5:0-1-12,Edge], [15:0-1-12,Edge], [26:0-2-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.01	19	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-R								
BCDL	10.0										Weight: 174 lb	FT = 20%

LUMBER TOP CHORD 2x4 SP No 2 2x4 SP No.2 BOT CHORD

WEBS 2x4 SP No.2 *Except* 18-19:2x4 SPF No.3

OTHERS 2x4 SPF No.3 BRACING

TOP CHORD

Scale = 1:63.6

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

Rigid ceiling directly applied or 6-0-0 oc

BOT CHORD

bracing. WEBS 1 Row at midpt

10-26, 9-27, 11-25 REACTIONS (size) 19=28-0-0, 20=28-0-0, 21=28-0-0,

22=28-0-0, 23=28-0-0, 24=28-0-0, 25=28-0-0, 26=28-0-0, 27=28-0-0,

28=28-0-0, 29=28-0-0, 30=28-0-0, 31=28-0-0, 32=28-0-0, 33=28-0-0

Max Horiz 33=296 (LC 13)

Max Uplift 19=-59 (LC 13), 20=-154 (LC 17),

21=-60 (LC 17), 22=-83 (LC 17), 23=-76 (LC 17), 24=-85 (LC 17), 25=-66 (LC 17), 27=-69 (LC 16),

28=-84 (LC 16), 29=-76 (LC 16), 30=-83 (LC 16), 31=-58 (LC 16),

32=-166 (LC 16), 33=-125 (LC 12) Max Grav 19=136 (LC 26), 20=240 (LC 27), 21=179 (LC 24), 22=192 (LC 27),

23=190 (LC 24), 24=264 (LC 24), 25=291 (LC 24), 26=278 (LC 17),

27=291 (LC 23), 28=264 (LC 23), 29=191 (LC 23), 30=192 (LC 26),

31=186 (LC 23), 32=235 (LC 26), 33=253 (LC 27)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 2-33=-210/109, 1-2=0/71, 2-3=-237/209,

3-4=-176/160, 4-6=-162/158, 6-7=-139/180, 7-8=-132/219, 8-9=-173/268, 9-10=-207/325,

10-11=-207/325, 11-12=-173/268,

12-13=-132/197, 13-14=-95/137, 14-16=-96/97, 16-17=-109/85,

17-18=-164/126, 18-19=-104/50 BOT CHORD 32-33=-112/137, 31-32=-112/137,

30-31=-112/137, 29-30=-112/137,

28-29=-112/137, 27-28=-112/137, 25-27=-112/137, 24-25=-112/137,

23-24=-112/137, 22-23=-112/137

21-22=-112/137, 20-21=-112/137,

19-20=-112/137

WEBS 10-26=-281/125, 9-27=-251/93, 8-28=-224/108, 7-29=-151/100,

6-30=-150/105, 4-31=-145/95,

3-32=-168/148, 11-25=-251/90, 12-24=-224/109, 13-23=-150/100,

14-22=-150/104, 16-21=-144/95,

17-20=-174/139

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-11-0 to 4-0-0. Exterior(2N) 4-0-0 to 14-0-0, Corner(3R) 14-0-0 to 19-0-0, Exterior(2N) 19-0-0 to 27-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable or consult qualified building designer as per ANSI/TPI 1.

- 4) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 10) Gable studs spaced at 2-0-0 oc.
- 11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



Continued on page 2

Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE



Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	A5	Common Supported Gable	1	1	Job Reference (optional)	157488595

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. Thu Mar 30 10:58:38 ID:wkVTEVkCZ2df16vhyZ4wOizMCCx-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?ff

Page: 2

- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 125 lb uplift at joint 33, 59 lb uplift at joint 19, 69 lb uplift at joint 27, 84 lb uplift at joint 28, 76 lb uplift at joint 29, 83 lb uplift at joint 30, 58 lb uplift at joint 31, 166 lb uplift at joint 32, 66 l lb uplift at joint 25, 85 lb uplift at joint 24, 76 lb uplift at joint 23, 83 lb uplift at joint 22, 60 lb uplift at joint 21 and 154 lb uplift at joint 20.
- 13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	B1	Roof Special	1	1	Job Reference (optional)	157488596

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries. Inc. Thu Mar 30 10:58:38 ID:hG_VvEqDhVeW_KWDQFDojOzMCCp-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

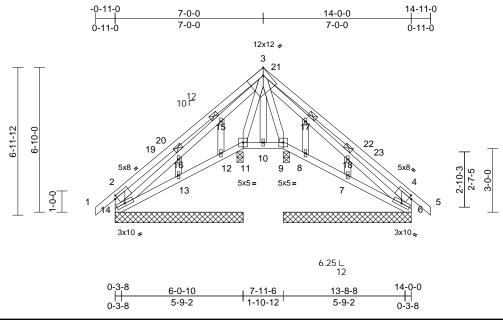


Plate Offsets (X, Y): [2:0-1-5,0-1-8], [3:0-2-15,Edge], [4:0-1-5,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	0.01	12-13	>999	240	MT20	197/144
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	0.01	12-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.93	Horz(CT)	-0.01	7	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 94 lb	FT = 20%

LUMBER

Scale = 1:54.5

2x4 SP 1650F 1.5E TOP CHORD BOT CHORD 2x4 SP No.2

WEBS 2x4 SPF No.3 *Except* 14-2,6-4:2x6 SPF

No.2

OTHERS 2x4 SPF No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 5-7-10 oc

bracing.

JOINTS 1 Brace at Jt(s): 15,

16, 17, 18

REACTIONS (size)

7=6-0-10, 8=6-0-10, 9=6-0-10, 11=6-0-10, 12=6-0-10, 13=6-0-10

Max Horiz 13=212 (LC 15)

Max Uplift 7=-154 (LC 17), 8=-241 (LC 24),

9=-182 (LC 17), 11=-375 (LC 16), 12=-435 (LC 23), 13=-119 (LC 16)

Max Grav 7=433 (LC 24), 8=142 (LC 17),

9=927 (LC 24), 11=1246 (LC 23), 12=263 (LC 16), 13=438 (LC 23)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-2=0/88, 2-3=-414/347, 3-4=-587/409,

4-5=0/88, 2-14=-541/344, 4-6=-673/385 BOT CHORD 13-14=-649/485, 12-13=-761/572,

11-12=-647/514, 10-11=-376/370,

9-10=-387/378, 8-9=-706/493, 7-8=-818/547,

6-7=-694/488

3-9=-1120/353, 3-11=-1375/500,

14-16=-704/1062, 15-16=-669/993, 3-15=-767/1151, 3-17=-749/1260, 17-18=-740/1234, 6-18=-775/1308,

3-10=-183/113, 12-15=-139/226, 13-16=-104/53, 8-17=-17/39, 7-18=-110/53

NOTES

WEBS

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00: Cat. II: Exp C: Enclosed: MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-11-0 to 4-1-0, Interior (1) 4-1-0 to 7-0-11, Exterior(2R) 7-0-11 to 12-0-11. Interior (1) 12-0-11 to 14-11-0 zone: cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOI =1 60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this 5) design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) Bearing at joint(s) 11, 9, 12, 13, 8, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing

- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 375 lb uplift at joint 11, 182 lb uplift at joint 9, 435 lb uplift at joint 12, 119 lb uplift at joint 13, 241 lb uplift at joint 8 and 154 lb uplift at joint 7.
- 13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 11, 9.
- 14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



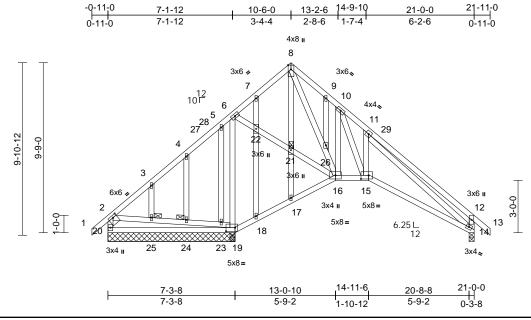
March 30,2023



Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	C1	Roof Special Structural Gable	1	1	Job Reference (optional)	157488597

Run: 8 63 S. Nov 19 2022 Print: 8 630 S. Nov 19 2022 MiTek Industries. Inc. Thu Mar 30 10:58:38 ID:ef5FKvsTC6uEEegcXgGGopzMCCn-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.08	19-20	>999	240	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.16	19-20	>526	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.05	14	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0	1		1							Weight: 164 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No 2 BOT CHORD 2x4 SP No.2

WEBS 2x4 SPF No.3 *Except* 20-2,14-12:2x4 SP

No.2

OTHERS 2x4 SPF No.3

BRACING

BOT CHORD

TOP CHORD Structural wood sheathing directly applied or

5-10-11 oc purlins, except end verticals. Rigid ceiling directly applied or 6-0-0 oc

bracing.

JOINTS 1 Brace at Jt(s): 21,

24, 25

14=0-3-8, 19=7-3-8, 20=7-3-8 REACTIONS (size)

Max Horiz 20=300 (LC 15)

Max Uplift 14=-125 (LC 17), 19=-153 (LC 16),

20=-123 (LC 24)

14=574 (LC 24), 19=1388 (LC 24),

20=246 (LC 36)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-2=0/82, 2-3=-86/465, 3-4=-61/500,

4-5=-17/528, 5-6=-19/470, 6-7=-335/127 7-8=-276/127, 8-9=-372/186, 9-10=-396/154,

10-11=-851/306, 11-12=-516/335,

12-13=0/82, 2-20=-175/193, 12-14=-541/320

BOT CHORD 19-20=-308/492, 18-19=-474/186,

17-18=-435/207, 16-17=-443/204,

15-16=-32/269, 14-15=0/645

WEBS 6-19=-905/163, 6-22=0/675, 21-22=0/691,

16-21=0/687, 8-26=-174/170, 16-26=-141/135, 10-16=-582/171, 10-15=-307/771, 11-15=-407/394,

2-25=-648/320, 24-25=-650/322, 23-24=-656/328, 19-23=-671/319,

11-14=-392/33, 8-21=0/100, 17-21=0/108, 7-22=-67/1, 18-22=-77/0, 5-23=-116/1,

4-24=-99/92, 3-25=-16/11, 9-26=-72/35

NOTES

- 1) Unbalanced roof live loads have been considered for this design
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-11-0 to 4-1-0, Interior (1) 4-1-0 to 10-6-0, Exterior(2R) 10-6-0 to 15-6-0, Interior (1) 15-6-0 to 21-11-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip
- Truss designed for wind loads in the plane of the truss 3) only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

- 9) Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 12) N/A
- 13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

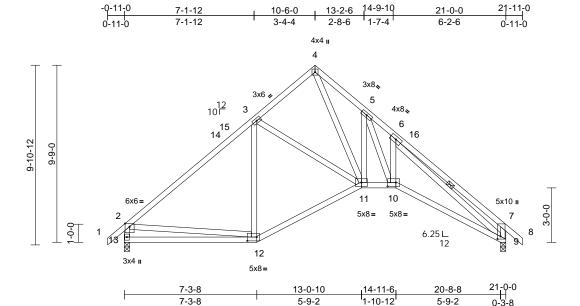




Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	C2	Roof Special	6	1	Job Reference (optional)	157488598

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Page: 1



Scale = 1:63.4

Plate Offsets (X, Y): [7:0-1-12,0-2-0], [10:0-5-8,0-2-8], [12:0-6-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.10	10	>999	240	MT20	197/144
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.20	12-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.16	9	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 132 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No 2 2x4 SP No.2 BOT CHORD

WEBS 2x4 SPF No.3 *Except* 13-2,9-7:2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-9-15 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 9-6-2 oc

bracing.

WEBS 1 Row at midpt 6-9

REACTIONS (size) 9=0-3-8, 13=0-3-8 Max Horiz 13=300 (LC 15)

Max Uplift 9=-142 (LC 17), 13=-142 (LC 16)

Max Grav 9=1053 (LC 24), 13=1061 (LC 23)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=0/82, 2-3=-1131/197, 3-4=-890/183, TOP CHORD

4-5=-1567/299, 5-6=-2150/391,

6-7=-670/342, 7-8=0/82, 2-13=-987/220,

7-9=-647/326

BOT CHORD 12-13=-366/622, 11-12=-117/864,

10-11=0/1153, 9-10=-62/1789 **WEBS** 3-12=-292/95, 3-11=-223/227,

4-11=-258/1345, 5-11=-863/219,

5-10=-317/1110, 6-10=-256/378,

2-12=-50/372, 6-9=-1646/0

NOTES

Unbalanced roof live loads have been considered for 1) this design.

- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-11-0 to 4-1-0, Interior (1) 4-1-0 to 10-6-0. Exterior(2R) 10-6-0 to 15-6-0, Interior (1) 15-6-0 to 21-11-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- One H2.5T Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 13 and 9. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



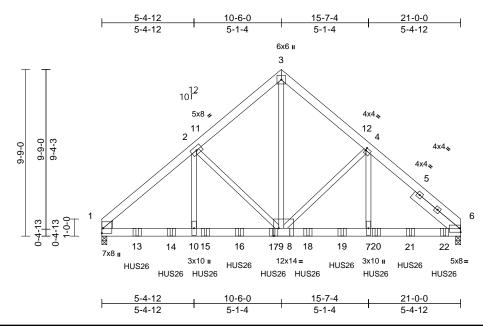




Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	C3	Common Girder	1	2	Job Reference (optional)	157488599

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. Thu Mar 30 10:58:39 ID:aJIRJP4OkyHY0ZdF995j4pzMCCU-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:67.4

Plate Offsets (X, Y): [1:Edge,0-0-13], [4:0-0-8,0-1-12], [6:Edge,0-2-12], [8:0-3-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	-0.09	7-9	>999	240	MT20	197/144
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.16	7-9	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.05	6	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 290 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SPF No 2 BOT CHORD 2x6 SP 2400F 2.0E

WEBS 2x4 SPF No.3 *Except* 9-3:2x4 SP No.2 WEDGE Left: 2x6 SPF No.2

Right 2x6 SPF No.2 -- 3-4-8 **SLIDER**

BRACING

TOP CHORD Structural wood sheathing directly applied or

4-1-14 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

1=0-3-8, 6=0-3-8 REACTIONS (size) Max Horiz 1=-258 (LC 41)

Max Uplift 1=-979 (LC 16), 6=-1077 (LC 17)

Max Grav 1=6810 (LC 22), 6=7481 (LC 23)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-8452/1259, 2-3=-5734/971,

3-4=-5650/961, 4-6=-8278/1236 **BOT CHORD** 1-10=-944/6098, 9-10=-944/6098,

7-9=-811/5998, 6-7=-811/5997 **WEBS**

3-9=-1070/6592, 4-9=-2396/536, 4-7=-423/3320, 2-9=-2537/557,

2-10=-443/3477

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-8-0 oc.

Web connected as follows: 2x4 - 1 row at 0-9-0 oc. All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

- 3) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-1-12 to 5-4-12, Interior (1) 5-4-12 to 10-6-0, Exterior(2R) 10-6-0 to 15-7-4, Interior (1) 15-7-4 to 20-10-4 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOI =1 60
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Two H2.5T Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6 and 1. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802 10 2 and referenced standard ANSI/TPI 1
- 10) Use Simpson Strong-Tie HUS26 (14-10d Girder, 4-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 20-0-12 to connect truss(es) to back face of bottom chord.
- 11) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-3=-70, 3-6=-70, 1-6=-20

Concentrated Loads (lb)

Vert: 13=-1232 (B), 14=-1232 (B), 15=-1232 (B), 16=-1232 (B), 17=-1232 (B), 18=-1232 (B), 19=-1232 (B), 20=-1232 (B), 21=-1232 (B), 22=-1234 (B)



March 30,2023



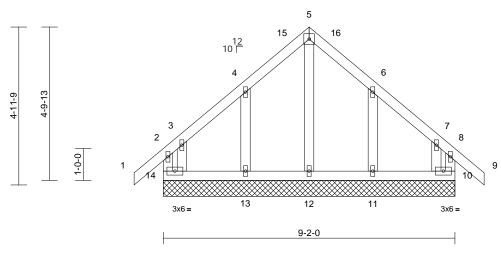
Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	D1	Common Supported Gable	1	1	Job Reference (optional)	157488600

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries. Inc. Thu Mar 30 10:58:40 ID:a2D?lbtkkj8yTyp_f5lkuEzMCCl-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

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Scale = 1:36.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	10	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-R								
BCDL	10.0										Weight: 50 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 2x4 SP No.2 WFBS OTHERS 2x4 SPF No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 6-0-0 oc

BOT CHORD bracing

REACTIONS (size)

10=9-2-0, 11=9-2-0, 12=9-2-0, 13=9-2-0, 14=9-2-0

Max Horiz 14=-160 (LC 14) Max Uplift

10=-70 (LC 16), 11=-135 (LC 17), 13=-137 (LC 16), 14=-74 (LC 17)

10=262 (LC 24), 11=319 (LC 24), Max Grav

12=200 (LC 29), 13=319 (LC 23),

14=262 (LC 23)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

2-14=-153/211, 1-2=0/82, 2-3=-26/52,

3-4=-85/124, 4-5=-146/273, 5-6=-146/272, 6-7=-74/122, 7-8=-27/52, 8-9=0/82,

8-10=-153/210

BOT CHORD 13-14=-77/94. 12-13=-77/94. 11-12=-77/94.

10-11=-77/94 5-12=-233/75, 4-13=-273/263, 3-14=-163/82,

6-11=-273/262, 7-10=-163/71

WEBS NOTES

Unbalanced roof live loads have been considered for this design

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-11-0 to 4-1-0, Exterior(2N) 4-1-0 to 4-7-0, Corner(3R) 4-7-0 to 9-7-0, Exterior(2N) 9-7-0 to 10-1-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 10) Gable studs spaced at 2-0-0 oc.
- 11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 14, 70 lb uplift at joint 10, 137 lb uplift at joint 13 and 135 lb uplift at joint 11.
- 13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



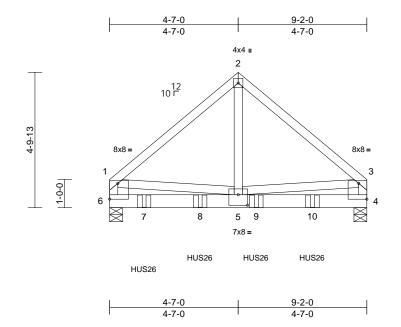
March 30,2023



Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	D2	Common Girder	1	2	Job Reference (optional)	I57488601

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries. Inc. Thu Mar 30 10:58:41 ID:2VJpXl50VFPPdjBSitcyc1zMCCT-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f





Scale = 1:41.1

Plate Offsets (X, Y): [1:Edge,0-6-12], [3:Edge,0-6-12], [5:0-4-0,0-4-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	-0.03	5-6	>999	240	MT20	197/144
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.05	5-6	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.62	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 110 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No 2 BOT CHORD 2x6 SP 2400F 2.0E

WEBS 2x4 SPF No.3 *Except* 6-1,4-3:2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 4=0-5-8, 6=0-5-8 Max Horiz 6=-132 (LC 12)

Max Uplift 4=-390 (LC 17), 6=-449 (LC 16) Max Grav 4=2818 (LC 23), 6=3215 (LC 22)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=-2644/467, 2-3=-2644/481, TOP CHORD

1-6=-2035/398, 3-4=-2047/402 BOT CHORD 5-6=-254/785, 4-5=-182/706

WEBS 2-5=-383/2823, 1-5=-208/1273,

3-5=-226/1353

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x4 - 1 row at 0-9-0

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.

- 4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOI =1 60
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- One H2.5T Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6 and 4. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Use Simpson Strong-Tie HUS26 (14-10d Girder, 4-10d Truss) or equivalent spaced at 2-0-0 oc max, starting at 1-2-12 from the left end to 7-2-12 to connect truss(es) to back face of bottom chord.
- 11) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-2=-70, 2-3=-70, 4-6=-20

Concentrated Loads (lb)

Vert: 7=-1245 (B), 8=-1245 (B), 9=-1245 (B), 10=-1245 (B)



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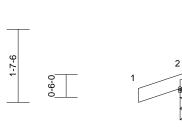


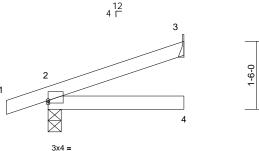
Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	J1	Monopitch	1	1	Job Reference (optional)	157488602

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VERTICAL SUPPORT OF FREE END OF CHORD IS REQUIRED.

3-0-0

Scale = 1:25.4

Plate Offsets (X, Y): [2:Edge,0-0-10]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.09	4	>373	240	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.18	4	>181	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 11 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No 2 BOT CHORD 2x4 SP 1650F 1.5E

BRACING

TOP CHORD Structural wood sheathing directly applied or

3-0-0 oc purlins BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 2=0-3-8, 3= Mechanical

Max Horiz 2=58 (LC 12)

Max Uplift 2=-75 (LC 12), 3=-32 (LC 16) Max Grav 2=292 (LC 23), 3=148 (LC 23)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/13, 2-3=-56/47

BOT CHORD 2-4=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- Unbalanced snow loads have been considered for this design.

- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint
- 10) One H2.5T Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



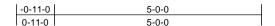
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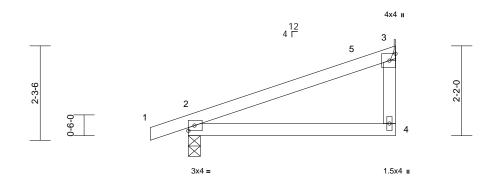


Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	J2	Monopitch	3	1	Job Reference (optional)	157488603

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5-0-0 Scale = 1:27.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	-0.03	2-4	>999	240	MT20	197/144	
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.27	Vert(CT)	-0.06	2-4	>956	180			
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a			
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-P									
BCDI	10.0										Weight: 19 lb	FT = 20%	

LUMBER

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 2x4 SPF No.3 WFBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

2=0-3-8, 3= Mechanical REACTIONS (size)

Max Horiz 2=89 (LC 13)

Max Uplift 2=-94 (LC 12), 3=-51 (LC 16)

Max Grav 2=412 (LC 23), 3=278 (LC 23) (lb) - Maximum Compression/Maximum

FORCES Tension

TOP CHORD 1-2=0/13, 2-3=-128/73, 3-4=0/94

BOT CHORD 2-4=-37/41

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-11-0 to 4-1-0, Interior (1) 4-1-0 to 4-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this 3) design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Refer to girder(s) for truss to truss connections.

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint
- One H2.5T Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

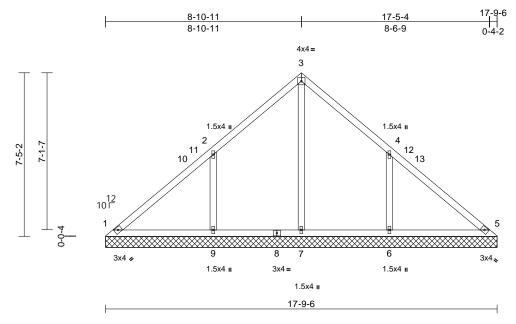


March 30,2023



Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	V1	Valley	1	1	Job Reference (optional)	157488604

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Scale = 1:52.3

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.16	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.20	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 75 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 2x4 SPF No.3 OTHERS

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 1=17-9-6, 5=17-9-6, 6=17-9-6,

7=17-9-6, 9=17-9-6 Max Horiz 1=-198 (LC 14)

1=-18 (LC 12), 6=-261 (LC 17), Max Uplift

9=-261 (LC 16)

Max Grav 1=212 (LC 30), 5=195 (LC 1),

6=609 (LC 23), 7=259 (LC 22),

9=609 (LC 22)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-191/151, 2-3=-245/166, 3-4=-245/143,

4-5=-158/109

1-9=-71/156, 7-9=-71/156, 6-7=-71/156,

5-6=-71/156

WEBS 3-7=-193/0. 2-9=-501/307. 4-6=-501/306

NOTES

BOT CHORD

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-4-13 to 5-4-13, Interior (1) 5-4-13 to 8-11-0, Exterior(2R) 8-11-0 to 13-11-0, Interior (1) 13-11-0 to 17-5-2 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- Unbalanced snow loads have been considered for this 5) design.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1, 261 lb uplift at joint 9 and 261 lb uplift at joint 6.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

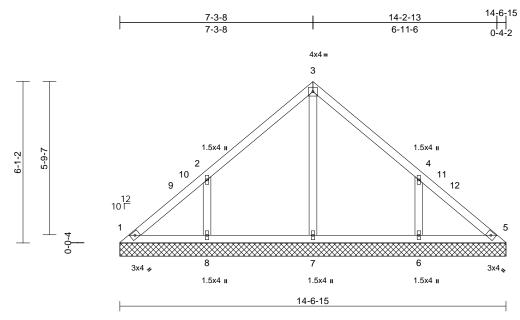


March 30,2023



Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	V2	Valley	1	1	Job Reference (optional)	157488605

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Scale = 1:43.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0	1									Weight: 60 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x4 SPF No.3 OTHERS

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 1=14-6-15, 5=14-6-15, 6=14-6-15, 7=14-6-15, 8=14-6-15

Max Horiz 1=-161 (LC 12)

Max Uplift 1=-30 (LC 12), 6=-212 (LC 17),

8=-212 (LC 16)

Max Grav 1=155 (LC 26), 5=133 (LC 29),

6=525 (LC 23), 7=288 (LC 22),

8=525 (LC 22)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-161/123, 2-3=-244/139, 3-4=-244/130,

4-5=-134/76

1-8=-53/117, 7-8=-53/117, 6-7=-53/117,

5-6=-53/117

WEBS 3-7=-206/0, 2-8=-449/259, 4-6=-449/259

NOTES

BOT CHORD

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-4-13 to 5-4-13, Interior (1) 5-4-13 to 7-3-12, Exterior(2R) 7-3-12 to 12-3-12, Interior (1) 12-3-12 to 14-2-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- Unbalanced snow loads have been considered for this 5) design.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 1, 212 lb uplift at joint 8 and 212 lb uplift at joint 6.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

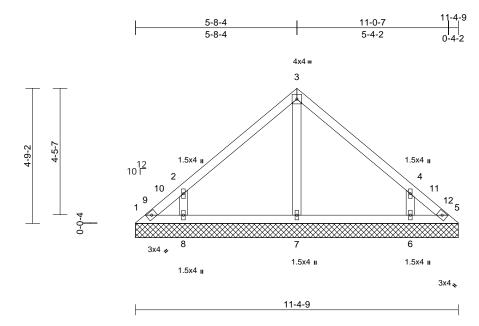


March 30,2023



Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	V3	Valley	1	1	Job Reference (optional)	157488606

Run: 8 63 S. Nov 19 2022 Print: 8 630 S. Nov 19 2022 MiTek Industries. Inc. Thu Mar 30 10:58:42 ID:WQLmAHv_GLOgiFzNmWKCzfzMCCj-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:40.6

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 44 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x4 SPF No.3 OTHERS

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 1=11-4-9, 5=11-4-9, 6=11-4-9,

7=11-4-9, 8=11-4-9 Max Horiz 1=-124 (LC 14)

Max Uplift 1=-74 (LC 14), 5=-51 (LC 15),

6=-198 (LC 17), 8=-198 (LC 16)

1=103 (LC 16), 5=88 (LC 17), Max Grav 6=529 (LC 23), 7=289 (LC 23),

8=529 (LC 22)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-148/114, 2-3=-247/123, 3-4=-247/115,

4-5=-125/79

1-8=-36/84, 7-8=-36/84, 6-7=-36/84,

5-6=-36/84 WEBS

3-7=-203/23, 2-8=-480/305, 4-6=-480/305

NOTES

BOT CHORD

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-4-13 to 5-4-13, Interior (1) 5-4-13 to 5-8-9, Exterior(2R) 5-8-9 to 10-8-9, Interior (1) 10-8-9 to 11-0-5 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- Unbalanced snow loads have been considered for this 5) design.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 1, 51 lb uplift at joint 5, 198 lb uplift at joint 8 and 198 lb
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

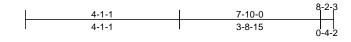
LOAD CASE(S) Standard

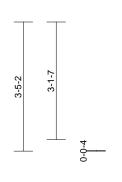


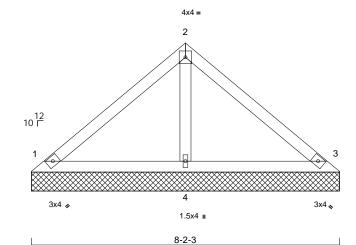


Job		Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230	133-01	V4	Valley	1	1	Job Reference (optional)	157488607

Run: 8 63 S. Nov 19 2022 Print: 8 630 S. Nov 19 2022 MiTek Industries. Inc. Thu Mar 30 10:58:42 ID:WQLmAHv_GLOgiFzNmWKCzfzMCCj-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1







Scale = 1:30.6

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.14	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 30 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x4 SPF No.3 OTHERS

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 1=8-2-3, 3=8-2-3, 4=8-2-3

Max Horiz 1=86 (LC 15)

Max Uplift 1=-46 (LC 16), 3=-57 (LC 17)

1=284 (LC 22), 3=284 (LC 23), Max Grav

4=290 (LC 23)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-175/75, 2-3=-175/83

BOT CHORD 1-4=-21/64, 3-4=-21/64

WEBS 2-4=-197/95

NOTES

- Unbalanced roof live loads have been considered for
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

- 5) Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 1 and 57 lb uplift at joint 3.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

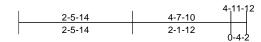
LOAD CASE(S) Standard

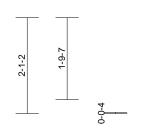
OF MISSO NATHANIEL FOX PE-2022042259 SSIONAL

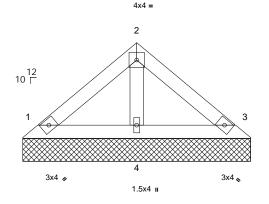


Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	V5	Valley	1	1	Job Reference (optional)	157488608

Run: 8 63 S. Nov 19 2022 Print: 8 630 S. Nov 19 2022 MiTek Industries. Inc. Thu Mar 30 10:58:42 ID:WQLmAHv_GLOgiFzNmWKCzfzMCCj-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1







4-11-12

Scale = 1:25.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-P								
BCDL	10.0	1		1		l					Weight: 17 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x4 SPF No.3 OTHERS

BRACING

TOP CHORD Structural wood sheathing directly applied or

5-0-6 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 1=4-11-12, 3=4-11-12, 4=4-11-12

Max Horiz 1=49 (LC 15)

Max Uplift 1=-26 (LC 16), 3=-32 (LC 17)

Max Grav 1=148 (LC 22), 3=148 (LC 23),

4=157 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-91/52, 2-3=-91/56

BOT CHORD 1-4=-12/36, 3-4=-12/36

WEBS 2-4=-104/68

NOTES

- Unbalanced roof live loads have been considered for
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

- 5) Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 1 and 32 lb uplift at joint 3.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard





J	lob	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
F	P230133-01	V6	Valley	1	1	Job Reference (optional)	157488609

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries. Inc. Thu Mar 30 10:58:42 ID:101Yrd2OX1?WEbCnlAZ5jAzMCF7-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



10 ¹²



3x4 =

3x4 、

1-9-6

Scale = 1:28

Plate Offsets (X, Y): [2:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.01	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.01	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 5 lb	FT = 20%

LUMBER

2x4 SP No.2 TOP CHORD BOT CHORD 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

1-9-15 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 1=1-9-6, 3=1-9-6

Max Horiz 1=-12 (LC 12) Max Uplift 1=-6 (LC 16), 3=-6 (LC 17) Max Grav 1=48 (LC 22), 3=48 (LC 23)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-37/30, 2-3=-37/31

BOT CHORD 1-3=-5/22

NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this

- 6) Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 1 and 6 lb uplift at joint 3.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

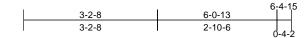


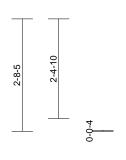
March 30,2023

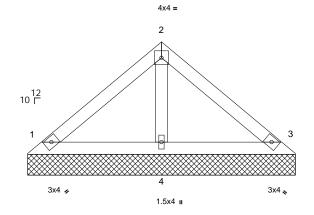


Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	V7	Valley	1	1	Job Reference (optional)	157488610

Run: 8 63 S. Nov 19 2022 Print: 8 630 S. Nov 19 2022 MiTek Industries. Inc. Thu Mar 30 10:58:43 Page: 1







6-4-15

Scale = 1:27.6

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 23 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x4 SPF No.3 OTHERS

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 1=6-4-15, 3=6-4-15, 4=6-4-15

Max Horiz 1=66 (LC 15)

Max Uplift 1=-35 (LC 16), 3=-44 (LC 17)

Max Grav 1=207 (LC 22), 3=207 (LC 23),

4=215 (LC 22)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-2=-127/65, 2-3=-127/70 **BOT CHORD** 1-4=-16/49, 3-4=-16/49

WEBS 2-4=-144/84

NOTES

- Unbalanced roof live loads have been considered for
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

- 5) Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 1 and 44 lb uplift at joint 3.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



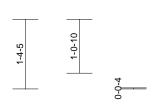


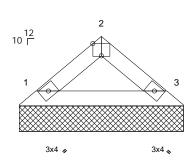
Job	Truss	Truss Type	Qty	Ply	Roof - Osage Lot 69	
P230133-01	V8	Valley	1	1	Job Reference (optional)	157488611

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries. Inc. Thu Mar 30 10:58:43 ID:WQLmAHv_GLOgiFzNmWKCzfzMCCj-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1



3x4 =





3-2-9

Scale = 1:22.6

Plate Offsets (X, Y): [2:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0	Code	IRC2018/TPI2014	Matrix-P								
BCDL	10.0										Weight: 10 lb	FT = 20%

LUMBER

2x4 SP No.2 TOP CHORD BOT CHORD 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

3-3-3 oc purlins. BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 1=3-2-9, 3=3-2-9 Max Horiz 1=-29 (LC 12)

Max Uplift 1=-14 (LC 16), 3=-14 (LC 17)

Max Grav 1=124 (LC 22), 3=124 (LC 23)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-93/64, 2-3=-93/70 BOT CHORD 1-3=-13/53

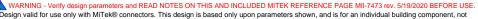
NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this

- 6) Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 1 and 14 lb uplift at joint 3.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard





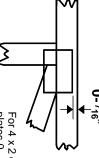


Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated.
Dimensions are in ft-in-sixteenths.
Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

* Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE



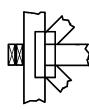
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING



Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

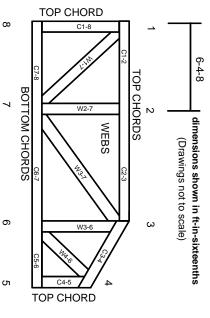
Min size shown is for crushing only

Industry Standards:

National Design Specification for Metal Plate Connected Wood Truss Construction. Design Standard for Bracing.
Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

ANSI/TPI1: DSB-89:

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988 ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.

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- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other.

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- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.

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- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- 20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- 21.The design does not take into account any dynamic or other loads other than those expressly stated.