

0/14/2024

MiTek

RE: P240956-01 - Roof - HT Lot 199

MiTek, Inc.

16023 Swingley Ridge Rd.

Project Name: Westport - Farmhouse 3Car Chesterfield, MO 63017 Project Customer: Clayton Properties Lot/Block: 199

Subdivision: Hawthorne Ridge

Model:

Site Information:

Roof Load: 45.0 psf

Address: 3207 SW Arbor Sound Dr

City: Lee's Summit State: MO

General Truss Engineering Criteria & Design Loads (Individual Truss Design

Drawings Show Special Loading Conditions):

Design Code: IRC2018/TPI2014

Design Program: MiTek 20/20 8.6 Wind Code: ASCE 7-16 Wind Speed: 115 mph

Design Method: MWFRS (Envelope)/C-C hybrid Wind ASCE 7-16

Floor Load: N/A psf

Mean Roof Height (feet): 35 Exposure Category: C

The truss drawing(s) referenced above 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.

Truss Design Engineer's Name: Sevier, Scott

My license renewal date for the state of Missouri is December 31, 2025.

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.

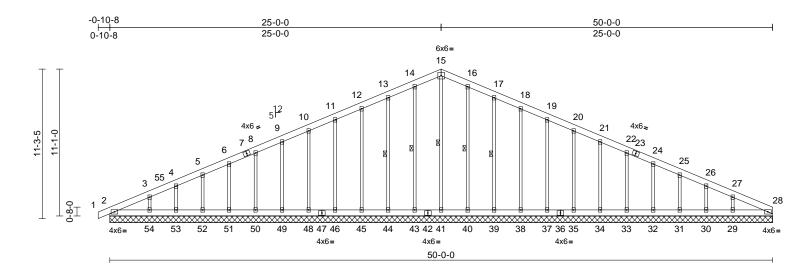


Job	Truss	Truss Type	Qty	Ply	Roof - HT Lot 199	Г
P240956-01	A1	Common Supported Gable	1	1	Job Reference (optional)	L

Run: 8.98 S 8.63 Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 13 1/15 ID:EZEd2bZwDYtGMih9IE4z?HzGHGP-RfC?PsB70Hq3NSgPqnL8w3uITXbc KWrCDoi J J 2027 f

DEVELOPMENT SERVICES
168190427
LEE'S SUMMIT, MISSOURI
Thu Sep 272/13/1/15/2/1/2/19/19/19

RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW



Scale = 1:86.9

LUMBER

Plate Offsets (X, Y)	: [28:Edge,0-0-0]
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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	0.07	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.01	28	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 290 lb	FT = 20%

LOWIDEIX		
TOP CHORD	2x6 SPF No.2	
BOT CHORD	2x6 SPF No.2	
OTHERS	2x3 SPF No.2	
BRACING		
TOP CHORD	Structural wood sh	neathing directly applied or
	6-0-0 oc purlins.	
BOT CHORD	Rigid ceiling direct	tly applied or 10-0-0 oc
	bracing.	
WEBS	1 Row at midpt	15-41, 14-43, 13-44,
		10 10 17 00

51=50-0-0, 52=50-0-0, 53=50-0-0, 54=50-0-0
Max Horiz 2=207 (LC 16)
Max Uplift 2=-24 (LC 13), 29=-94 (LC 13), 30=-46 (LC 13), 31=-55 (LC 13), 32=-54 (LC 13), 33=-54 (LC 13), 34=-54 (LC 13), 35=-54 (LC 13), 37=-54 (LC 13), 39=-65 (LC 13), 39=-65 (LC 13), 40=-18 (LC 13), 43=-29 (LC 12), 44=-62 (LC 12),

45=-56 (LC 12), 46=-54 (LC 12), 48=-54 (LC 12), 49=-54 (LC 12), 50=-54 (LC 12), 51=-54 (LC 12), 52=-55 (LC 12), 53=-48 (LC 12), 54=-93 (LC 12)

44=50-0-0, 45=50-0-0, 46=50-0-0,

48=50-0-0, 49=50-0-0, 50=50-0-0,

Max Grav 2=194 (LC 1), 28=121 (LC 1), 29=274 (LC 26), 30=150 (LC 26), 31=186 (LC 1), 32=179 (LC 26), 33=180 (LC 1), 34=180 (LC 26), 35=180 (LC 26), 37=180 (LC 1), 38=180 (LC 26), 39=183 (LC 26), 40=182 (LC 1), 41=195 (LC 22), 43=182 (LC 1), 44=183 (LC 25), 45=180 (LC 25), 46=180 (LC 1), 48=180 (LC 25), 45=180 (LC 1), 51=179 (LC 25), 50=180 (LC 1), 51=179 (LC 25), 52=185 (LC 1), 53=155 (LC 25), 54=258 (LC 25)

(lb) - Maximum Compression/Maximum Tension 1-2=0/12, 2-3=-261/90, 3-4=-195/97, 4-5=-159/108, 5-6=-126/120, 6-8=-104/143, 8-9=-83/165, 9-10=-62/188, 10-11=-77/210, 11-12=-92/246, 12-13=-107/290, 13-14=-124/338, 14-15=-134/365, 15-16=-134/365, 16-17=-124/338

15-16=-134/365, 16-17=-124/338, 17-18=-107/290, 18-19=-92/246, 19-20=-77/203, 20-21=-62/159, 21-22=-49/116, 22-24=-49/72, 24-25=-61/35, 25-26=-81/23, 26-27=-109/26, 27-28=-175/60 2-54=-52/195, 53-54=-52/195,

25-25-26/195, 53-54=-52/195, 52-53=-52/195, 51-52=-52/195, 50-51=-52/195, 49-50=-52/195, 48-49=-52/195, 46-48=-52/195, 46-48=-52/195, 44-45=-52/195, 44-45=-52/195, 44-45-52/195, 38-39=-52/195, 37-38=-52/195, 38-34-52/195, 33-34-52/195, 33-34=-52/195, 33-34=-52/195, 33-34=-52/195, 31-32=-52/195, 30-31=-52/195, 39-30=-52/195, 38-39=-52/195, 32-33=-52/195, 32-33=-52/195, 32-33=-52/195, 32-33=-52/195, 32-32=-52/195, 32-52/195, 32-52/195, 32-52/195, 32-52/195, 32-52/195, 32-52/195, 32-52/195, 32-52/195, 32-52/195, 32-52/195, 32-52/195, 32-52/195, 32-52/195, 32/195, 32/195, 32/195, 32/195, 32/195, 32/195, 32/195, 32/195, 32/195, 32/195, 32/195, 32/195, 32/195, 32/195, 32/195, 32

WEBS 15-41=-155/20, 14-43=-142/53, 13-44=-143/101, 12-45=-140/91, 11-46=-140/89, 10-48=-140/89, 9-49=-140/89, 8-50=-140/89, 6-51=-140/89, 5-52=-142/90, 4-53=-125/82, 3-54=-190/193, 16-40=-142/46, 17-39=-143/101, 18-38=-140/91, 19-37=-140/89, 20-35=-140/89, 21-34=-140/89, 22-33=-140/89, 24-32=-140/89, 25-31=-143/91, 26-30=-121/95, 27-29=-203/213

NOTES

 Unbalanced roof live loads have been considered for this design.



September 16,2024

FORCES

TOP CHORD

BOT CHORD



Qty Job Truss Truss Type Ply Roof - HT Lot 199 P240956-01 A1 Common Supported Gable Job Reference (optional

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Run: 8.98 S 8.63 Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc ID:EZEd2bZwDYtGMih9IE4z?HzGHGP-RfC?PsB70Hq3NSgPqnL8w3uITXb0

Thu Sep 12 13 1/5 4/2 9 24

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DEVELOPMENT SERVICES 168190427

LEE'S SUMMIT, MISSOURI

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) -0-10-8 to 4-1-8, Exterior(2N) 4-1-8 to 25-0-0, Corner(3R) 25-0-0 to 30-0-0, Exterior(2N) 30-0-0 to 50-0-0 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.

All plates are 3x4 MT20 unless otherwise indicated.

5) Gable requires continuous bottom chord bearing.

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.

All bearings are assumed to be SPF No.2 crushing capacity of 425 psi.

Provide mechanical connection (by others) of truss to 9) bearing plate capable of withstanding 24 lb uplift at joint 2, 29 lb uplift at joint 43, 62 lb uplift at joint 44, 56 lb uplift at joint 45, 54 lb uplift at joint 46, 54 lb uplift at joint 48, 54 lb uplift at joint 49, 54 lb uplift at joint 50, 54 lb uplift at joint 51, 55 lb uplift at joint 52, 48 lb uplift at joint 53, 93 lb uplift at joint 54, 18 lb uplift at joint 40, 65 lb uplift at joint 39, 56 lb uplift at joint 38, 54 lb uplift at joint 37, 54 lb uplift at joint 35, 54 lb uplift at joint 34, 54 lb uplift at joint 33, 54 lb uplift at joint 32, 55 lb uplift at joint 31, 46 lb uplift at joint 30 and 94 lb uplift at joint 29.

10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.

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



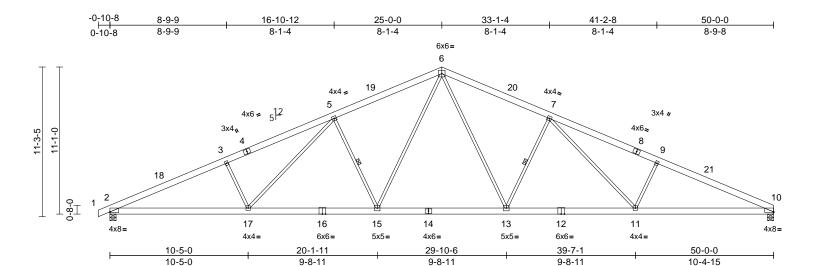


Job	Truss	Truss Type	Qty	Ply	Roof - HT Lot 199
P240956-01	A2	Common	6	1	Job Reference (optional)

Run: 8.98 S 8.63 Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Ind ID:pC2dOK13p6XAo22fgAdbEPzGH4A-RfC?PsB70Hq3NSgPqnL8w3ulTXb0KWrCDoi7J4

DEVELOPMENT SERVICES 168190428 LEE'S SUMMIT. MISSOURI Thu Set

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW



Scale = 1:86.8

Plate Offsets (X, Y): [[2:Edge,0-0-8],	[10:Edge,0-0-8]
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Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	l/defl	I /d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)		(/	>999		MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC		Vert(CT)		13-15	>999	180	-	.0.,
BCLL	0.0	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.18	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 241 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SPF No.2 2x6 SPF No.2 **BOT CHORD** 2x3 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or

2-2-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 2-2-0 oc

bracing.

WEBS 1 Row at midnt 7-13, 5-15 2=0-5-8, 10=0-5-8 **REACTIONS** (size) Max Horiz 2=207 (LC 16)

Max Uplift 2=-377 (LC 12), 10=-348 (LC 13) Max Grav 2=2308 (LC 1), 10=2229 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/12, 2-3=-4696/718, 3-5=-4447/752,

5-6=-3456/646, 6-7=-3456/651, 7-9=-4455/756, 9-10=-4680/722

BOT CHORD 2-17=-757/4183, 15-17=-503/3451,

13-15=-226/2615, 11-13=-371/3453,

10-11=-563/4193

WEBS 6-13=-273/1146, 7-13=-930/398,

7-11=-203/865, 9-11=-465/302, 6-15=-272/1145, 5-15=-928/398,

5-17=-199/856, 3-17=-458/295

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) -0-10-8 to 4-1-8, Interior (1) 4-1-8 to 25-0-0, Exterior(2R) 25-0-0 to 30-0-0, Interior (1) 30-0-0 to 49-9-4 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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SPF No.2 crushing capacity of 425 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 377 lb uplift at joint 2 and 348 lb uplift at joint 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



September 16,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

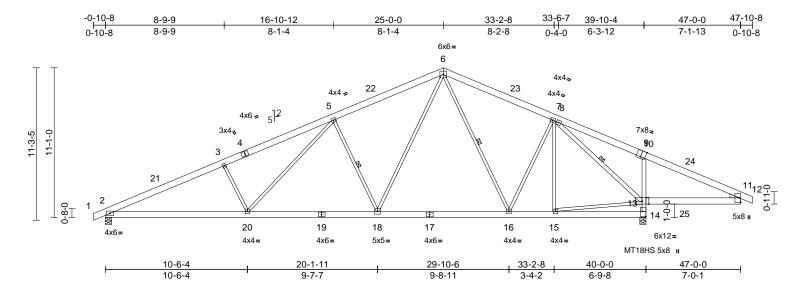


Job	Truss	Truss Type	Qty	Ply	Roof - HT Lot 199
P240956-01	A3	Roof Special	3	1	Job Reference (optional)

Run: 8.98 S 8.63 Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Industries ID:fKCbuKN7MQrnSilkTCbrY6zGH19-RfC?PsB70Hq3NSgPqnL8w3ulTXbGkWrCDoi7J4z

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168190429 LEE'S SUMMIT. MISSOURI

. Thu Sep 12 13



Scale = 1:85.2

Plate Offsets (X, Y): [9:0-4-0,Edge], [14:Edge,0-3-8]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	I /d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC TC	0.54	Vert(LL)	-0.15	18-20	>999		MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.29	2-20	>999		MT18HS	197/144
BCLL	0.0	Rep Stress Incr	YES	l wB		Horz(CT)	0.07	14	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		- (-)					Weight: 251 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SPF No.2

BOT CHORD 2x6 SPF No.2 *Except* 14-10:2x4 SP No.2 2x3 SPF No.2 *Except* 8-13:2x4 SP No.2 WEBS

WEDGE Right: 2x4 SP No.2

BRACING TOP CHORD

FORCES

Structural wood sheathing directly applied or

3-2-9 oc purlins.

BOT CHORD Rigid ceiling directly applied or 3-6-6 oc

bracing

WFBS 1 Row at midpt 5-18, 6-16, 8-13

REACTIONS (size) 2=0-5-8, 14=0-5-8

Max Horiz 2=233 (LC 12)

Max Uplift 2=-336 (LC 12), 14=-396 (LC 13)

Max Grav 2=1792 (LC 1), 14=2556 (LC 1) (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/12. 2-3=-3449/622. 3-5=-3188/649.

5-6=-2158/497, 6-7=-1504/351, 7-8=-1456/286, 8-10=-576/823,

10-11=-705/852, 11-12=-5/0

BOT CHORD 2-20=-696/3047, 18-20=-435/2263, 16-18=-159/1410, 15-16=-104/1083,

14-15=-11/194, 13-14=-2475/982, 10-13=-536/282, 11-13=-659/671 3-20=-483/299, 5-20=-199/877,

5-18=-941/399, 6-18=-270/1158,

6-16=-311/211, 7-16=-118/491, 7-15=-90/67,

13-15=-94/1030, 8-13=-2448/704

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) -0-10-8 to 4-1-8, Interior (1) 4-1-8 to 25-0-0, Exterior(2R) 25-0-0 to 30-0-0, Interior (1) 30-0-0 to 47-10-8 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
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SPF No.2 crushing capacity of 425 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 336 lb uplift at joint 2 and 396 lb uplift at joint 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





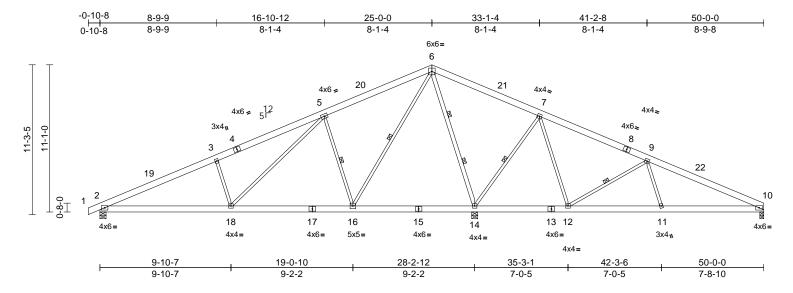


Job	Truss	Truss Type	Qty	Ply	Roof - HT Lot 199	
P240956-01	A4	Common	10	1	Job Reference (optional	

Run: 8.98 S 8.63 Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 ID:Ij9OQ1vjCcjoeRgenaMVJ9zGGPk-RfC?PsB70Hq3NSgPqnL8w3ulTXbGK VrCDoi7Juz.

DEVELOPMENT SERVICES
168190430
LEE'S SUMMIT, MISSOURI
Thu Sep 1213 1 4 7 19 7 4

RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW



Scale = 1:86.8

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)	-0.08	2-18	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.18	2-18	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 252 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SPF No.2 BOT CHORD 2x6 SPF No.2

WEBS 2x3 SPF No.2 *Except* 14-6:2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

4-9-13 oc purlins.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

WEBS 1 Row at midpt 5-16, 6-16, 7-14, 9-12

WEBS 2 Rows at 1/3 pts 6-14

REACTIONS (size) 2=0-5-8, 10=0-3-8, 14=0-5-8

Max Horiz 2=207 (LC 16)

Max Uplift 2=-226 (LC 12), 10=-163 (LC 13),

14=-346 (LC 12)

Max Grav 2=1090 (LC 25), 10=672 (LC 26),

14=2977 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/12, 2-3=-1762/349, 3-5=-1580/423,

5-6=-533/267, 6-7=-33/1171, 7-9=-152/447,

9-10=-1002/249

BOT CHORD 2-18=-420/1509, 16-18=-152/653,

14-16=-402/309, 12-14=-481/179, 11-12=-156/761, 10-11=-131/817

WEBS 3-18=-537/309, 5-18=-258/1025.

5-16=-960/415, 6-16=-326/1252,

6-14=-2015/375, 7-14=-1045/383,

7-12=-89/609, 9-12=-875/308, 9-11=0/348

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) -0-10-8 to 4-1-8, Interior (1) 4-1-8 to 25-0-0, Exterior(2R) 25-0-0 to 30-0-0, Interior (1) 30-0-0 to 49-10-4 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
- 3) All plates are 4x6 MT20 unless otherwise indicated.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SPF No.2 crushing capacity of 425 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 226 lb uplift at joint 2, 346 lb uplift at joint 14 and 163 lb uplift at joint 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







Ply Qty Job Truss Truss Type Roof - HT Lot 199 P240956-01 A5 Common Structural Gable Job Reference (optiona

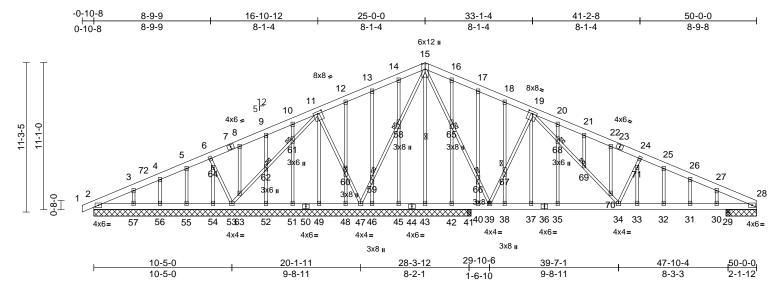
S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168190431 LEE'S SUMMIT. MISSOURI

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Run: 8.98 S 8.63 Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Ind ID:EZEd2bZwDYtGMih9IE4z?HzGHGP-RfC?PsB70Hq3NSgPqnL8w3uITXb0

Thu Sed

RELEASE FOR CONSTRUCTION



Scale = 1:86.9

Plate Offsets	(X, Y):	[11:0-4-0,0-2-0],	[19:0-4-0,0-2-0]
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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	0.23	Vert(LL)	-0.06	34-35	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.10	34-35	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.01	41	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 336 lb	FT = 20%

LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD WEBS JOINTS	2x6 SPF No.2 2x6 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 6-0-0 oc bracing. 1 Row at midpt 15-43 1 Brace at Jt(s): 58, 59, 60, 61, 62, 65, 66, 67, 68, 69	FORCES TOP CHORD BOT CHORD	(lb) - Maximum Compression/Maximum Tension 1-2=0/12, 2-3=-200/213, 3-4=-136/193, 4-5=-98/190, 5-6=-71/204, 6-8=-67/266, 8-9=-45/315, 9-10=0/282, 10-11=0/298, 11-12=0/460, 12-13=0/466, 13-14=0/470, 14-15=0/436, 15-16=-20/276, 16-17=0/283, 17-18=0/292, 18-19=0/208, 19-20=-741/452, 20-21=-725/386, 21-22=-790/383, 22-24=-857/366, 24-25=-912/360, 25-26=-976/346, 26-27=-1032/322, 27-28=-1008/215 2-57=-172/221, 56-57=-172/221, 55-56=-172/221, 55-56=-172/221, 52-53=-375/290
REACTIONS	66, 67, 68, 69 (size) 2=28-5-8, 28=2-3-8, 29=0-3-8,		53-50=-172/221, 54-55=-172/221, 53-54=-172/221, 52-53=-325/290, 51-52=-325/290, 49-51=-325/290

1 Brace a 59, 60, 61 66, 67, 68		BOT CHORD	27-28=-1008/215 2-57=-172/221, 56-57=-172/221, 55-56=-172/221, 54-55=-172/221,
(size)	2=28-5-8, 28=2-3-8, 29=0-3-8, 41=0-3-8, 42=28-5-8, 43=28-5-8, 45=28-5-8, 46=28-5-8, 47=28-5-8, 48=28-5-8, 49=28-5-8, 51=28-5-8, 52=28-5-8, 53=28-5-8, 54=28-5-8, 55=28-5-8, 56=28-5-8, 57=28-5-8		53-54=-172/221, 52-53=-325/290, 51-52=-325/290, 49-51=-325/290, 48-49=-324/290, 47-48=-324/290, 46-47=-365/356, 45-46=-365/356, 43-45=-365/356, 42-43=-368/356, 41-42=-368/356, 40-41=-368/356,
Max Horiz	2=206 (LC 16)		39-40=-368/356, 38-39=0/215, 37-38=0/215, 35-37=0/210, 34-35=0/210, 33-34=-156/884,
·	2=-12 (LC 26), 28=-36 (LC 13), 29=-159 (LC 13), 41=-297 (LC 13), 42=-241 (LC 1), 43=-34 (LC 13), 45=-36 (LC 12), 46=-68 (LC 12), 47=-50 (LC 13), 48=-47 (LC 12), 51=-23 (LC 12), 52=-102 (LC 12), 53=-101 (LC 12), 55=-22 (LC 12), 56=-52 (LC 12), 57=-89 (LC 12)		32-33=-156/884, 31-32=-156/884, 30-31=-156/884, 29-30=-156/884, 28-29=-156/884
Max Grav	2=160 (LC 25), 28=339 (LC 1), 29=551 (LC 1), 41=1130 (LC 1),		

42=76 (LC 13), 43=592 (LC 1), 45=241 (LC 1), 46=172 (LC 25),

47=316 (LC 1), 48=153 (LC 25),

49=81 (LC 25), 51=119 (LC 25), 52=296 (LC 1), 53=268 (LC 25), 54=50 (LC 3), 55=138 (LC 25), 56=164 (LC 1), 57=267 (LC 1)



September 16,2024



Ply Qty Job Truss Truss Type Roof - HT Lot 199 P240956-01 A5 Common Structural Gable Job Reference (optional

DEVELOPMENT SERVICES 168190431 LEE'S SUMMIT. MISSOURI

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Run: 8.98 S 8.63 Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc ID:EZEd2bZwDYtGMih9IE4z?HzGHGP-RfC?PsB70Hq3NSgPqnL8w3uITXb0

Thu Sec 12 13 1/5 4/2024

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW

WEBS 15-65=-160/360. 65-66=-158/355. 39-66=-178/404, 39-67=-1051/393, 19-67=-947/355, 19-68=-283/792. 68-69=-259/719, 69-70=-273/750, 34-70=-252/745, 34-71=-449/235, 24-71=-458/241, 47-59=-110/0, 58-59=-99/0, 15-58=-108/0, 11-60=-206/121, 47-60=-229/135, 53-63=-38/177 62-63=-40/163, 61-62=-31/156, 11-61=-37/175. 6-64=-230/147. 53-64=-233/152, 15-43=-466/62, 14-58=-213/87, 45-58=-223/85, 13-59=-140/93, 46-59=-134/96, 12-60=-132/82, 48-60=-117/67, 11-49=-39/30, 10-61=-86/50, 51-61=-82/46, 9-62=-227/141, 52-62=-248/153, 8-63=-50/26, 54-64=-7/13, 5-55=-93/47, 4-56=-134/89, 3-57=-199/193, 16-65=-254/96, 42-65=-249/94 17-66=-209/112, 40-66=-264/134, 18-67=0/102, 38-67=-26/194, 19-37=-73/243, 20-68=-195/150, 35-68=-98/118, 21-69=-20/43, 22-70=-1/44, 33-71=-9/14,

NOTES

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

25-32=0/74, 26-31=-8/41, 27-30=-284/240

- 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) -0-10-8 to 4-1-8, Exterior(2N) 4-1-8 to 24-11-1, Corner(3R) 24-11-1 to 29-11-1, Exterior(2N) 29-11-1 to 50-0-0 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.
- All plates are 3x4 MT20 unless otherwise indicated.
- 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.
- All bearings are assumed to be SPF No.2 crushing capacity of 425 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 12 lb uplift at joint 2, 50 lb uplift at joint 47, 101 lb uplift at joint 53, 34 lb uplift at joint 43, 36 lb uplift at joint 45, 68 lb uplift at joint 46, 47 lb uplift at joint 48, 23 lb uplift at joint 51, 102 lb uplift at joint 52, 22 lb uplift at joint 55, 52 lb uplift at joint 56, 89 lb uplift at joint 57, 241 lb uplift at joint 42, 36 lb uplift at joint 28, 297 lb uplift at joint 41 and 159 lb uplift
- 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 - HT Lot 199 P240956-01 В1 Common Job Reference (optiona

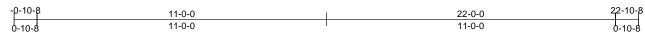
Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

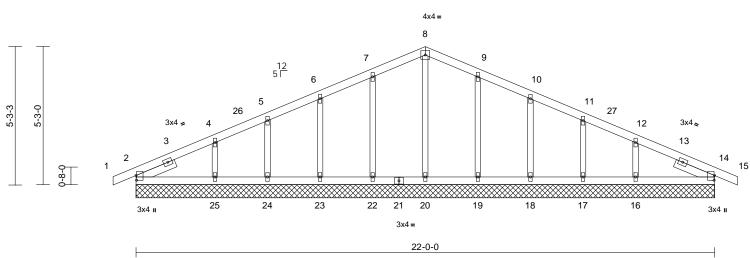
Run: 8.98 S 8.63 Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Ind ID:EG48VsEFWHbVENo1CcyQjizWINo-RfC?PsB70Hq3NSgPqnL8w3uITXb(

DEVELOPMENT SERVICES 168190432 LEE'S SUMMIT. MISSOURI Thu Set

KWrCDoi

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW





Scale = 1:43.8

Plate Offsets (X, Y): [2:0-2-3,0-0-3], [14:0-2-3,0-0-3]

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	0.09	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 97 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD 2x3 SPF No.2 OTHERS

SLIDER Left 2x4 SP No.2 -- 1-7-2, Right 2x4 SP No.2

-- 1-7-2

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)

2=22-0-0, 14=22-0-0, 16=22-0-0, 17=22-0-0, 18=22-0-0, 19=22-0-0, 20=22-0-0, 22=22-0-0, 23=22-0-0, 24=22-0-0, 25=22-0-0

Max Horiz 2=-93 (LC 13)

Max Uplift 2=-31 (LC 13), 14=-34 (LC 9).

16=-87 (LC 13), 17=-45 (LC 13), 18=-58 (LC 13), 19=-55 (LC 13), 22=-56 (LC 12), 23=-58 (LC 12),

24=-43 (LC 12), 25=-94 (LC 12) 2=209 (LC 1), 14=209 (LC 1),

Max Grav 16=250 (LC 26), 17=158 (LC 1), 18=184 (LC 1), 19=188 (LC 26), 20=143 (LC 22), 22=188 (LC 25), 23=184 (LC 1), 24=158 (LC 1),

25=250 (LC 25)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/0, 2-4=-134/61, 4-5=-80/86,

5-6=-73/121, 6-7=-74/166, 7-8=-90/209 8-9=-90/209, 9-10=-74/166, 10-11=-73/121, 11-12=-78/81, 12-14=-105/21, 14-15=0/0

BOT CHORD 2-25=-6/74, 24-25=-6/74, 23-24=-6/74, 22-23=-6/74, 20-22=-6/74, 19-20=-6/74, 18-19=-6/74, 17-18=-6/74, 16-17=-6/74,

14-16=-6/74

WEBS

8-20=-103/3, 7-22=-149/87, 6-23=-142/93, 5-24=-127/79, 4-25=-187/195, 9-19=-149/87,

10-18=-142/93, 11-17=-127/78,

12-16=-187/192

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 Corner(3E) -0-10-8 to 4-1-8, Exterior(2N) 4-1-8 to 11-0-0, Corner(3R) 11-0-0 to 16-0-0, Exterior(2N) 16-0-0 to 22-10-8 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.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 2, 34 lb uplift at joint 14, 56 lb uplift at joint 22, 58 lb uplift at joint 23, 43 lb uplift at joint 24, 94 lb uplift at joint 25, 55 lb uplift at joint 19, 58 lb uplift at joint 18, 45 lb uplift at joint 17 and 87 lb uplift at joint 16.
- 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



September 16,2024



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

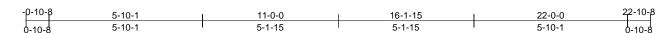


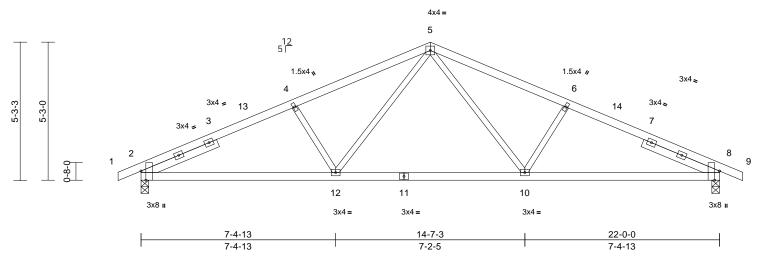
Ply Job Truss Truss Type Qty Roof - HT Lot 199 P240956-01 B2 5 Common Job Reference (optiona RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168190433 LEE'S SUMMIT. MISSOURI

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Run: 8.98 S 8.63 Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Industries ID:bEt1ZalOKpDnL8g_?9YbQmzWlNj-RfC?PsB70Hq3NSgPqnL8w3ulTXbGl

Thu See





Scale = 1:43.8

Plate Offsets (X, Y): [2:0-4-3,Edge], [8:0-4-3,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	0.46	Vert(LL)	-0.08	2-12	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.18	8-10	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 95 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 2x3 SPF No.2 WEBS

SLIDER Left 2x4 SP No.2 -- 3-1-9, Right 2x4 SP No.2

-- 3-1-9

BRACING

TOP CHORD Structural wood sheathing directly applied or

3-11-2 oc purlins.

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

bracing

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

Max Horiz 2=-93 (LC 13)

Max Uplift 2=-176 (LC 12), 8=-176 (LC 13)

Max Grav 2=1051 (LC 1), 8=1051 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/0. 2-4=-1781/407. 4-5=-1587/403.

5-6=-1587/403, 6-8=-1781/407, 8-9=0/0

BOT CHORD 2-12=-308/1548, 10-12=-146/1108,

8-10=-298/1548 WEBS

5-10=-114/530, 6-10=-322/212,

5-12=-114/530, 4-12=-322/212

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) -0-10-8 to 4-1-8, Interior (1) 4-1-8 to 11-0-0, Exterior(2R) 11-0-0 to 16-2-14, Interior (1) 16-2-14 to 22-10-8 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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 176 lb uplift at joint 2 and 176 lb uplift at joint 8.
- 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



September 16,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

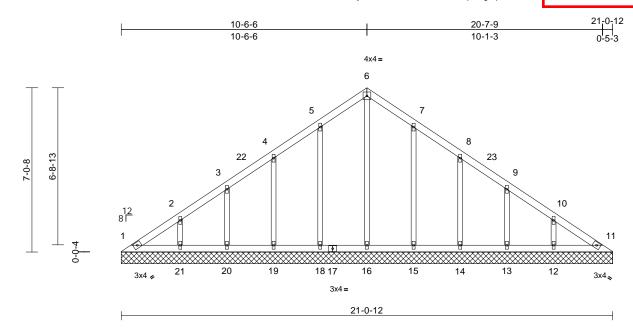


Job Truss Truss Type Qty Ply Roof - HT Lot 199 P240956-01 V1 Valley Job Reference (optional

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168190434 LEE'S SUMMIT. MISSOURI

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Run: 8.98 S 8.63 Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Ind Thu See ID:bbsS8J5XGwWYe4yos4kRVwzGECI-RfC?PsB70Hq3NSgPqnL8w3uITXb



Sca	le =	1:49	1.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.15	Horiz(TL)	0.00	11	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 93 lb	FT = 20%

LUMBER

2x4 SP No.2 TOP CHORD **BOT CHORD** 2x4 SP No.2 2x3 SPF No.2 **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=21-0-12, 11=21-0-12, 12=21-0-12, 13=21-0-12,

14=21-0-12, 15=21-0-12, 16=21-0-12, 18=21-0-12,

19=21-0-12, 20=21-0-12, 21=21-0-12

Max Horiz 1=188 (LC 9)

1=-35 (LC 8), 12=-91 (LC 13),

13=-74 (LC 13), 14=-82 (LC 13), 15=-75 (LC 13), 18=-78 (LC 12), 19=-81 (LC 12), 20=-74 (LC 12),

21=-91 (LC 12)

Max Grav 1=123 (LC 20), 11=100 (LC 22)

12=219 (LC 20), 13=181 (LC 20), 14=190 (LC 20), 15=196 (LC 20),

16=178 (LC 22), 18=198 (LC 19), 19=189 (LC 19), 20=181 (LC 19), 21=219 (LC 19)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-2=-187/145, 2-3=-137/114, 3-4=-121/99, 4-5=-107/132, 5-6=-116/167, 6-7=-116/155,

7-8=-78/94, 8-9=-73/47, 9-10=-91/50,

10-11=-143/81 **BOT CHORD**

1-21=-65/141, 20-21=-65/141,

19-20=-65/141, 18-19=-65/141, 16-18=-65/141, 15-16=-65/141,

14-15=-65/141, 13-14=-65/141,

12-13=-65/141, 11-12=-65/141

WEBS

6-16=-138/30, 5-18=-158/102, 4-19=-149/105, 3-20=-145/99,

2-21=-167/113, 7-15=-156/99,

8-14=-150/106, 9-13=-144/99,

10-12=-168/113

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) 0-5-12 to 5-5-12, Interior (1) 5-5-12 to 10-6-12, Exterior(2R) 10-6-12 to 15-6-12, Interior (1) 15-6-12 to 20-7-11 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.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing. 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.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 1, 78 lb uplift at joint 18, 81 lb uplift at joint 19, 74 lb uplift at joint 20, 91 lb uplift at joint 21, 75 lb uplift at joint 15, 82 lb uplift at joint 14, 74 lb uplift at joint 13 and 91 lb uplift at joint 12.
- 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



September 16,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Job Truss Truss Type Qty Ply Roof - HT Lot 199 P240956-01 V2 Valley Job Reference (optional

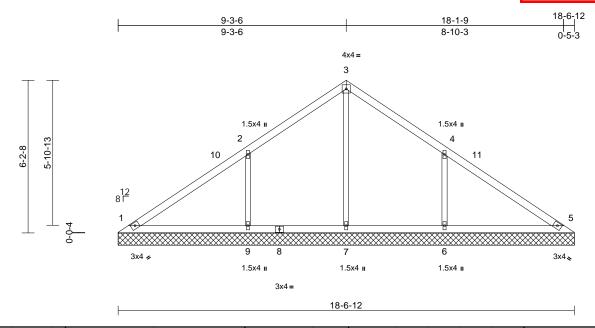
S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168190435 LEE'S SUMMIT. MISSOURI

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Run: 8.98 S 8.63 Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Ind ID:dYaONXBXsSQr5_pBNBm1AzzGDWk-RfC?PsB70Hq3NSgPqnL8w3uITX

Thu Ser oGKWrCDoi7

RELEASE FOR CONSTRUCTION



Scale = 1:46.9

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.14	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 69 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 2x3 SPF No.2 **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=18-6-12, 5=18-6-12, 6=18-6-12,

7=18-6-12, 9=18-6-12 Max Horiz 1=164 (LC 9)

Max Uplift 1=-20 (LC 13), 6=-214 (LC 13),

9=-214 (LC 12) 1=199 (LC 1), 5=199 (LC 1), 6=510 Max Grav

(LC 20), 7=226 (LC 1), 9=510 (LC

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-164/130, 2-3=-153/148, 3-4=-141/127, 4-5=-125/88

BOT CHORD 1-9=-52/115, 7-9=-52/115, 6-7=-52/115, 5-6=-52/115

WEBS 3-7=-168/0, 2-9=-392/264, 4-6=-392/263

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) 0-5-12 to 5-3-12. Interior (1) 5-3-12 to 9-3-12, Exterior(2R) 9-3-12 to 14-3-12, Interior (1) 14-3-12 to 18-1-11 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

- 3) 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.
- 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.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 1, 214 lb uplift at joint 9 and 214 lb uplift at joint 6.
- 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







Truss Type Job Truss Qty Ply Roof - HT Lot 199 P240956-01 V3 Valley Job Reference (optional

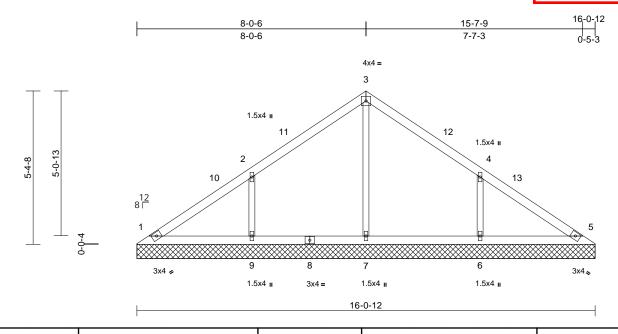
S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168190436 LEE'S SUMMIT. MISSOURI

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083

Run: 8.98 S 8.63 Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Ind ID:sdGw6gKVjKGVNR?GtxS4_ozGDVG-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDd7

Thu Ser

RELEASE FOR CONSTRUCTION



Scale = 1:40.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.12	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 58 lb	FT = 20%

LUMBER

2x4 SP No.2 TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x3 SPF No.2 **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=16-0-12, 5=16-0-12, 6=16-0-12,

7=16-0-12, 9=16-0-12 Max Horiz 1=-141 (LC 8)

Max Uplift 1=-18 (LC 13), 6=-181 (LC 13),

9=-181 (LC 12)

Max Grav 1=156 (LC 20), 5=151 (LC 1),

6=423 (LC 20), 7=265 (LC 1),

9=423 (LC 19)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-146/104, 2-3=-150/128, 3-4=-140/115,

4-5=-111/61 1-9=-41/93, 7-9=-41/93, 6-7=-41/93,

5-6=-41/93 **WEBS** 3-7=-190/0, 2-9=-331/225, 4-6=-331/224

NOTES

BOT CHORD

- 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) 0-5-12 to 5-5-12. Interior (1) 5-5-12 to 8-0-12, Exterior(2R) 8-0-12 to 13-0-12, Interior (1) 13-0-12 to 15-7-11 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

- 3) 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.
- 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.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1. 181 lb uplift at joint 9 and 181 lb uplift at joint 6.
- 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



September 16,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



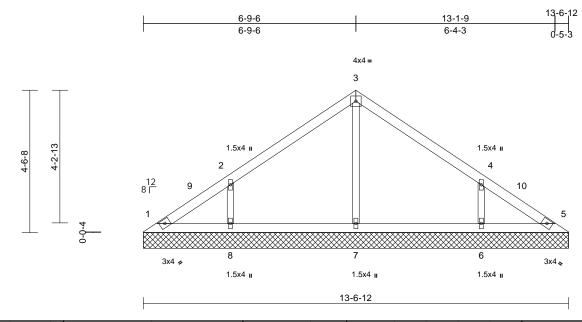
Ply Job Truss Truss Type Qty Roof - HT Lot 199 P240956-01 V4 Valley Job Reference (optional

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168190437 LEE'S SUMMIT. MISSOURI

Run: 8.98 S 8.63 Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Ind ID:sdGw6gKVjKGVNR?GtxS4_ozGDVG-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDd7J

Thu Ser



Scale = 1:36.7

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	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.09	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 48 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 2x4 SP No.2 **BOT CHORD** 2x3 SPF No.2 **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=13-6-12, 5=13-6-12, 6=13-6-12, 7=13-6-12, 8=13-6-12

Max Horiz 1=-118 (LC 8)

Max Uplift 1=-21 (LC 8), 6=-157 (LC 13),

8=-158 (LC 12) Max Grav

1=106 (LC 20), 5=90 (LC 19), 6=361 (LC 20), 7=284 (LC 1),

8=361 (LC 19)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-123/89, 2-3=-146/109, 3-4=-140/104, 4-5=-94/49

BOT CHORD 1-8=-30/77, 7-8=-30/77, 6-7=-30/77, 5-6=-30/77

WEBS 3-7=-199/21, 2-8=-290/203, 4-6=-290/203

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) 0-5-12 to 5-5-12. Interior (1) 5-5-12 to 6-9-12. Exterior(2R) 6-9-12 to 11-9-12, Interior (1) 11-9-12 to 13-1-11 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

- 3) 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.
- 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.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 1. 158 lb uplift at joint 8 and 157 lb uplift at joint 6.
- 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



September 16,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Ply Truss Type Job Truss Qty Roof - HT Lot 199 P240956-01 V5 Valley Job Reference (optional

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Run: 8.98 S 8.63 Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Ind ID:sdGw6gKVjKGVNR?GtxS4_ozGDVG-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDd7

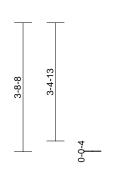
S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168190438 LEE'S SUMMIT. MISSOURI

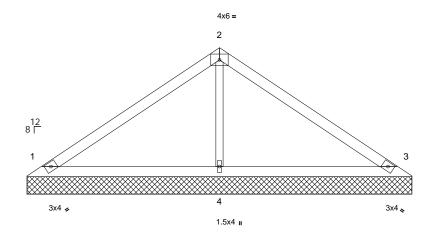
RELEASE FOR CONSTRUCTION



Thu Set

5-<u>6-6</u> 10-7-9 5-6-6 5-1-3





11-0-12

Scale = 1:33.1

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	0.44	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.26	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.09	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 37 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 2x3 SPF No.2 **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=11-0-12, 3=11-0-12, 4=11-0-12

1=-95 (LC 8) Max Horiz

Max Uplift 1=-51 (LC 12), 3=-63 (LC 13), 4=-27 (LC 12)

1=235 (LC 1), 3=235 (LC 1), 4=444 Max Grav

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-178/89, 2-3=-175/85

BOT CHORD 1-4=-19/83, 3-4=-19/83

2-4=-289/122 WEBS

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) 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.
- Gable requires continuous bottom chord bearing.
- 5) 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.

- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 1, 63 lb uplift at joint 3 and 27 lb uplift at joint 4.
- 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







Ply Job Truss Truss Type Qty Roof - HT Lot 199 P240956-01 V₆ Valley Job Reference (optiona

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

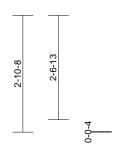
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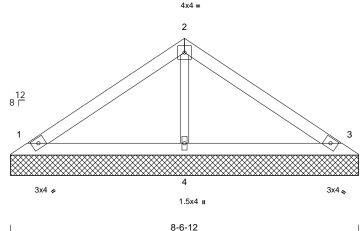
S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168190439 LEE'S SUMMIT. MISSOURI Thu See

RELEASE FOR CONSTRUCTION

4-3-6 8-1-9 4-3-6 3-10-3







Scale = 1:28.3

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	0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 28 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 2x4 SP No.2 **BOT CHORD** 2x3 SPF No.2 **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=8-6-12, 3=8-6-12, 4=8-6-12

1=71 (LC 9) Max Horiz

Max Uplift 1=-49 (LC 12), 3=-58 (LC 13), 4=-1

(LC 12)

1=194 (LC 1), 3=194 (LC 1), 4=301 Max Grav

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-122/69, 2-3=-116/69 **BOT CHORD** 1-4=-15/57, 3-4=-15/57

2-4=-206/102 WEBS

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) 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.
- Gable requires continuous bottom chord bearing.
- 5) 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.

- 7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 1, 58 lb uplift at joint 3 and 1 lb uplift at joint 4.
- 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



September 16,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Ply Truss Type Job Truss Qty Roof - HT Lot 199 P240956-01 V7 Valley Job Reference (optional

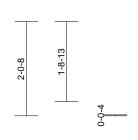
Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

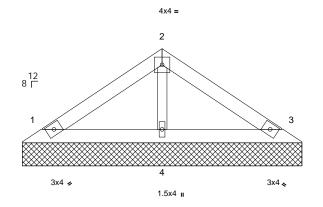
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DEVELOPMENT SERVICES 168190440 LEE'S SUMMIT. MISSOURI Thu Ser

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW

3-0-6 5-7-9 3-0-6 2-7-3





6-0-12

Scale = 1:25

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
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 19 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 2x4 SP No.2 **BOT CHORD** 2x3 SPF No.2 **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=6-0-12, 3=6-0-12, 4=6-0-12

Max Horiz 1=-48 (LC 8)

Max Uplift 1=-33 (LC 12), 3=-39 (LC 13) Max Grav 1=131 (LC 1), 3=131 (LC 1), 4=203

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-82/55, 2-3=-78/55

BOT CHORD 1-4=-10/39, 3-4=-10/39

WFBS 2-4=-139/86

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.
- 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 6) chord live load nonconcurrent with any other live loads.

- 7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 1 and 39 lb uplift at joint 3.
- 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



September 16,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



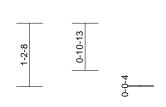
Truss Type Job Truss Qty Ply Roof - HT Lot 199 P240956-01 V8 Valley Job Reference (optiona

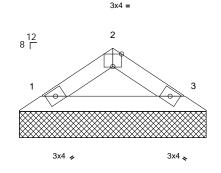
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RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168190441 LEE'S SUMMIT. MISSOURI







3-6-12

Scale = 1:22

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	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 10 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-7-8 oc purlins.

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

bracing.

REACTIONS (size) 1=3-6-12, 3=3-6-12

Max Horiz 1=25 (LC 11)

Max Uplift 1=-17 (LC 12), 3=-17 (LC 13) Max Grav 1=120 (LC 1), 3=120 (LC 1) (lb) - Maximum Compression/Maximum

FORCES Tension

TOP CHORD 1-2=-105/72, 2-3=-105/72

BOT CHORD 1-3=-26/70

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) 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 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.
- 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.
- 7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 1 and 17 lb uplift at joint 3.
- 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 - HT Lot 199 P240956-01 V9 Valley Job Reference (optiona

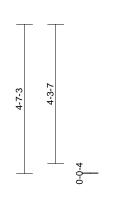
Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

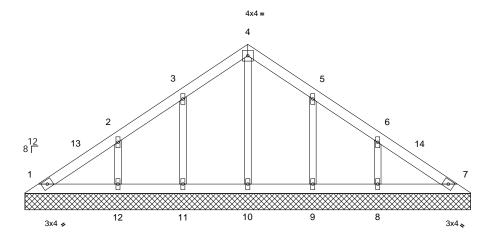
Run: 8.98 S 8.63 Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Ind ID:XiSn?Aw7oJdgLmJvTQzvOmzGED_-RfC?PsB70Hq3NSgPqnL8w3uITXb0

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168190442 LEE'S SUMMIT. MISSOURI

Thu Seg

6-10-6 13-3-9 6-5-3 6-5-3





13-8-12

Scale = 1:35.5

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	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 53 lb	FT = 20%

LUMBER

2x4 SP No.2 TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x3 SPF No.2 **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=13-8-12, 7=13-8-12, 8=13-8-12, 9=13-8-12, 10=13-8-12,

11=13-8-12, 12=13-8-12

Max Horiz 1=-119 (LC 8)

Max Uplift 1=-9 (LC 8), 8=-101 (LC 13), 9=-75

(LC 13), 11=-76 (LC 12), 12=-100

(LC 12)

Max Grav 1=112 (LC 20), 7=103 (LC 1),

8=242 (LC 20), 9=181 (LC 20), 10=149 (LC 22), 11=182 (LC 19),

12=242 (LC 19)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=-107/90, 2-3=-99/71, 3-4=-86/113,

4-5=-86/110, 5-6=-70/45, 6-7=-84/52 **BOT CHORD** 1-12=-39/85, 11-12=-39/85, 10-11=-39/85,

9-10=-39/85, 8-9=-39/85, 7-8=-39/85 **WEBS** 4-10=-107/0, 3-11=-149/103, 2-12=-183/128,

5-9=-148/103, 6-8=-184/128

NOTES

TOP 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) 1-1-9 to 6-1-9, Interior (1) 6-1-9 to 7-6-8, Exterior(2R) 7-6-8 to 12-6-8, Interior (1) 12-6-8 to 13-11-7 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

- 3) 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.
- All plates are 1.5x4 MT20 unless otherwise indicated. Gable requires continuous bottom chord bearing.
- 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.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 9 lb uplift at joint 1, 76 lb uplift at joint 11, 100 lb uplift at joint 12, 75 lb uplift at joint 9 and 101 lb uplift at joint 8.
- 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



September 16,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Truss Type Job Truss Qty Ply Roof - HT Lot 199 P240956-01 V10 Valley Job Reference (optiona

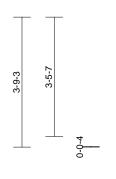
Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

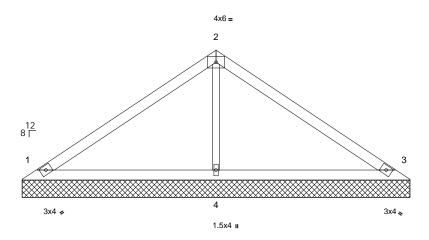
Run: 8.98 S 8.63 Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Industries ID:YynZTQLpHE7oFwSR1uKnhvzGDJd-RfC?PsB70Hq3NSgPqnL8w3uITXb GKWrCDo.7J

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168190443 LEE'S SUMMIT. MISSOURI

Thu Ser







11-2-12

Scale = 1:33.3

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	0.45	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.27	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.09	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 38 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 2x3 SPF No.2 **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=11-2-12, 3=11-2-12, 4=11-2-12

1=96 (LC 11) Max Horiz

1=-52 (LC 12), 3=-64 (LC 13), Max Uplift 4=-28 (LC 12)

1=239 (LC 1), 3=239 (LC 1), 4=452 Max Grav

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-181/91, 2-3=-178/86 **BOT CHORD** 1-4=-20/84, 3-4=-20/84

2-4=-294/123 WEBS

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) 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.
- Gable requires continuous bottom chord bearing.
- 5) 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.

- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 52 lb uplift at joint 1, 64 lb uplift at joint 3 and 28 lb uplift at joint 4.
- 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



September 16,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Truss Type Job Truss Qty Ply Roof - HT Lot 199 P240956-01 V11 Valley Job Reference (optiona

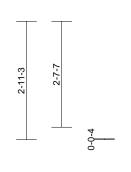
Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

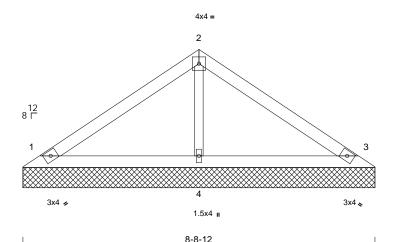
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S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168190444 LEE'S SUMMIT. MISSOURI Thu See

RELEASE FOR CONSTRUCTION







Scale = 1:28.6

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	0.34	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 29 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 2x3 SPF No.2 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=8-8-12, 3=8-8-12, 4=8-8-12

Max Horiz 1=73 (LC 9)

Max Uplift 1=-50 (LC 12), 3=-59 (LC 13), 4=-1

(LC 12)

1=198 (LC 1), 3=198 (LC 1), 4=308 Max Grav

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-124/70, 2-3=-118/70 **BOT CHORD** 1-4=-15/59, 3-4=-15/59

2-4=-210/102 WEBS

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) 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.
- Gable requires continuous bottom chord bearing.
- 5) 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.

- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 1, 59 lb uplift at joint 3 and 1 lb uplift at joint 4.
- 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



September 16,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



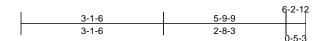
Job Truss Truss Type Qty Ply Roof - HT Lot 199 P240956-01 V12 Valley Job Reference (optional

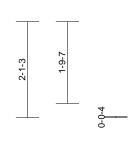
Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

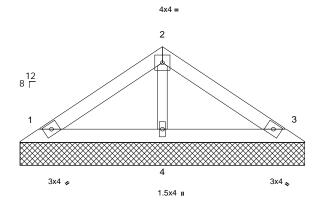
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DEVELOPMENT SERVICES 168190445 LEE'S SUMMIT. MISSOURI Thu Set

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW







6-2-12

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	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 20 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 2x4 SP No.2 **BOT CHORD** 2x3 SPF No.2 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=6-2-12, 3=6-2-12, 4=6-2-12

Max Horiz 1=50 (LC 11)

Max Uplift 1=-34 (LC 12), 3=-40 (LC 13) Max Grav 1=135 (LC 1), 3=135 (LC 1), 4=210

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-85/56, 2-3=-80/56

BOT CHORD 1-4=-10/40, 3-4=-10/40

WFBS 2-4=-143/87

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.
- 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 6) chord live load nonconcurrent with any other live loads.

- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 1 and 40 lb uplift at joint 3.
- 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



September 16,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Truss Type Job Truss Qty Ply Roof - HT Lot 199 P240956-01 V13 Valley

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Job Reference (optional

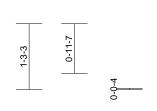
DEVELOPMENT SERVICES 168190446 LEE'S SUMMIT. MISSOURI

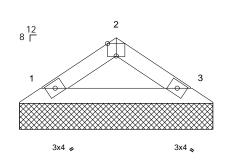
RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW

Run: 8.98 S 8.63 Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Ind Thu Set ID:1hOopOmm1_YqyIdAalS_bHzGDJ4-RfC?PsB70Hq3NSgPqnL8w3ulTXbCKWrCDoilJ42d?f

	i	3-8-12
1-10-6	3-3-9	
1-10-6	1-5-3	
	1	0-5-3

3x4 =





3-8-12

Scale = 1:22.2

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
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 11 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-9-8 oc purlins.

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

bracing.

REACTIONS (size) 1=3-8-12, 3=3-8-12

Max Horiz 1=-26 (LC 8)

Max Uplift 1=-18 (LC 12), 3=-18 (LC 13) Max Grav 1=127 (LC 1), 3=127 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-111/77, 2-3=-111/77

BOT CHORD 1-3=-28/74

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) 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 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.
- 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.
- 7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1 and 18 lb uplift at joint 3.
- 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



September 16,2024



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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



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

For 4 x 2 orientation, locate Apply plates to both sides of truss Dimensions are in ft-in-sixteenths

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

edge of truss.

plates 0- 1/16" from outside

* Plate location details available in MiTek software or upon request

PLATE SIZE

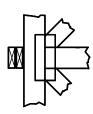
to slots. Second dimension is the length parallel to slots. width measured perpendicular The first dimension is the plate

LATERAL BRACING LOCATION



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

BEARING



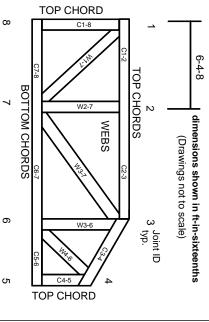
Min size shown is for crushing only number/letter where bearings occur reaction section indicates joint (supports) occur. Icons vary but Indicates location where bearings

Industry Standards:

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

DSB-22: ANSI/TPI1:

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-1988, ESR-2362, ESR-2685, ESR-3282 ESR-4722, ESL-1388

Design General Notes

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

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

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Mile

MiTek Engineering Reference Sheet: MII-7473 rev. 1/2/2023

General Safety Notes

Damage or Personal Injury Failure to Follow Could Cause Property

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI
- Ņ 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

'n

- 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.

œ

- 9 Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- 10. Camber is a non-structural consideration and is the camber for dead load deflection responsibility of truss fabricator. General practice is to
- 11. 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
- 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.
- 15. Connections not shown are the responsibility of others
- Do not cut or alter truss member or plate without prior approval of an engineer.
- Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable project engineer before use. environmental, health or performance risks. Consult with
- Review all portions of this design (front, back, words is not sufficient. and pictures) before use. Reviewing pictures alone
- 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.