

0/08/2024



MiTek, Inc. RE: P240960 -

16023 Swingley Ridge Rd. Site Information: Project Customer: Clayton Properties Project Name: Wildflower - Transitional 3Ca 14.434.1200

Subdivision: Hawthorne Ridge Lot/Block: 197

Model:

Address: 3215 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

Exposure Category: C

Roof Load: 45.0 psf Mean Roof Height (feet): 35

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 P240960 A1 Roof Special Structural Gable Job Reference (optiona

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168266273 LEE'S SUMMIT. MISSOURI

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

Run: 8.63 E Apr 26 2024 Print: 8.630 E Apr 26 2024 MiTek Industries, Inc. Tue Sep 17 ID:ZPE42GuJG2XQkNP0lKB?1ezkXCH-6h?7qeo9N6M3DqScvjVzgOLYJ1Az

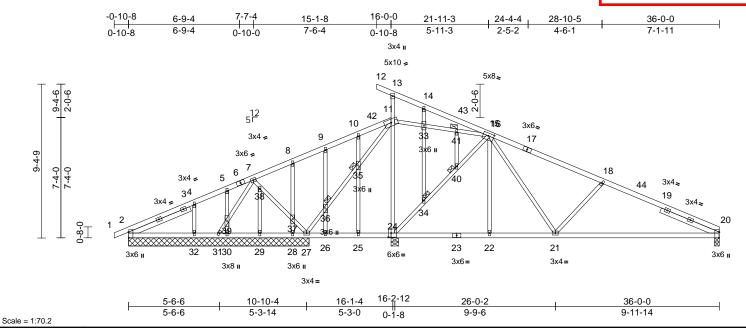


Plate Offsets (X, Y): [2:0-4-3,Edge], [15:0-4-0,0-2-0], [20:0-4-3,Edge], [24:0-2-0,0-3-0]

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	0.67	Vert(LL)	-0.26	20-21	>908	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.54	20-21	>445	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.02	20	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 197 lb	FT = 20%

LUMBER

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

SLIDER Left 2x4 SP No.2 -- 4-0-10, Right 2x4 SP

No.2 -- 3-10-0

BRACING TOP CHORD

Structural wood sheathing directly applied or

4-11-9 oc purlins, except end verticals.

Except:

6-0-0 oc bracing: 11-13

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

bracing, Except:

10-0-0 oc bracing: 22-24,21-22 2-2-0 oc bracing: 20-21.

JOINTS 1 Brace at Jt(s): 34,

35, 36, 40, 41

REACTIONS All bearings 11-0-0. except 20=0-3-8, 24=0-5-8

(lb) - Max Horiz 2=-147 (LC 17)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 28, 29, 30, 32 except 20=-155

(LC 13), 24=-247 (LC 13), 27=-225 (LC 12), 31=-225 (LC 28)

All reactions 250 (lb) or less at joint

Max Grav (s) 2, 28, 29, 30, 31 except 20=777

(LC 28), 24=1558 (LC 2), 27=550 (LC 1), 32=360 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 7-8=-56/428, 8-9=-6/407, 9-10=0/420,

10-42=0/414, 11-42=0/441, 11-24=-534/127, 16-17=-762/229, 17-18=-865/215,

18-44=-1018/292, 19-44=-1081/276,

19-20=-1162/270

BOT CHORD 26-27=-395/264, 25-26=-395/264,

24-25=-395/264, 23-24=0/343, 22-23=0/343,

21-22=0/340, 20-21=-177/998

WEBS

11-33=0/419, 33-41=0/398, 15-41=0/407, 24-34=-1062/275, 34-40=-1024/256, 16-40=-986/228, 15-16=-3/344, 16-21=-127/743, 18-21=-499/285

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 4-0-0, Interior (1) 4-0-0 to 16-1-4, Exterior(2E) 15-1-8 to 20-1-8, Interior (1) 20-1-8 to 36-0-0 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 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 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 28, 29, 30, 32 except (jt=lb) 20=155, 27=225, 31=224, 24=247.
- 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 17,2024

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 P240960 A2 Roof Special 2 Job Reference (optiona

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

Run: 8.63 E Apr 26 2024 Print: 8.630 E Apr 26 2024 MiTek Industries, Inc. Tue Sep 1719 64 ID:CHDmS3BtTjmRKi7v_C9xqvzkXEU-XXDh0T1ifFuDcv_S4wsfUcAvo523lt2rLXfOERycn

LEE'S SUMMIT. MISSOURI

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW

DEVELOPMENT SERVICES 168266274

-0-10-8 7-7-4 6-9-4 15-1-8 21-11-3 24-4-4 28-10-5 36-0-0 0-10-8 7-6-4 2-5-2 6-9-4 0-10-0 0-10-8 5-11-3 4-6-1 7-1-11 3x4 II 5x10 = 3x8**≈** 8 9-0-23 ²2 512 20 3x6× 3x4 = 10 9-4-9 4x6 -1.5x4 ¿ 5 7-4-0 7-4-0 3x4 = 3x4≤ 3¹⁹ 12 3x4≤ 13 ₩ 17 21 22 18 15 14 3x6 u 3x6 II 6x6= 3x6= 1.5x4 / 4x4= 3x4 =16-5-8 5-6-6 10-10-4 16-1-4 26-0-2 36-0-0 5-6-6 5-3-14 9-6-10 9-11-14 5-3-0 0-4-4

Plate Offsets (X, Y): [2:0-4-3,Edge], [4:0-3-0,Edge], [13:0-4-3,Edge], [16:0-2-4,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	0.95	Vert(LL)	-0.25	14-16	>944	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.42	13-14	>569	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.02	13	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 168 lb	FT = 20%

LUMBER

Scale = 1:67.9

TOP CHORD 2x4 SP 1650F 1.5E *Except* 1-4,10-13:2x4

SP No.2

BOT CHORD 2x4 SP 1650F 1.5E *Except* 16-15:2x4 SP

No.2

WEBS 2x3 SPF No.2

SLIDER Left 2x4 SP No.2 -- 4-0-10, Right 2x4 SP

No.2 -- 3-10-0

BRACING TOP CHORD

Structural wood sheathing directly applied or

4-9-2 oc purlins, except end verticals.

Except:

6-0-0 oc bracing: 6-8

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

bracing.

WEBS 1 Row at midpt 6-17, 9-16

REACTIONS All bearings 0-5-8. except 17=0-3-8, 13=

Mechanical

Max Horiz 2=-149 (LC 17)

Max Uplift All uplift 100 (lb) or less at joint(s)

except 2=-118 (LC 12), 13=-184 (LC 13), 16=-208 (LC 13), 17=-180 (LC 12)

Max Grav All reactions 250 (lb) or less at joint (s) except 2=484 (LC 25), 13=793

(LC 28), 16=1649 (LC 2), 17=671

(LC 27)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown.

TOP CHORD 2-3=-485/163, 3-19=-395/168,

4-19=-309/183, 4-5=-288/187, 5-20=0/419, 6-20=0/489, 6-16=-633/169, 6-8=-268/217,

9-10=-791/291, 10-11=-929/275 11-24=-1071/348, 12-24=-1135/331,

12-13=-1227/326

BOT CHORD 2-18=-133/373, 17-18=-171/290,

17-21=-355/186, 16-21=-355/186,

15-16=-1/372, 15-22=-1/372, 14-22=-1/372,

13-14=-227/1048

WEBS 5-18=0/291, 5-17=-725/310, 6-9=0/368,

9-16=-996/274, 9-14=-84/834,

11-14=-466/269

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) -0-10-8 to 4-1-8, Interior (1) 4-1-8 to 16-1-4, Exterior(2E) 15-1-8 to 20-1-8, Interior (1) 20-1-8 to 36-0-0 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

This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

Refer to girder(s) for truss to truss connections.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 2, 179 lb uplift at joint 17, 183 lb uplift at joint 13 and 208 Ib uplift at joint 16.

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 17,2024



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



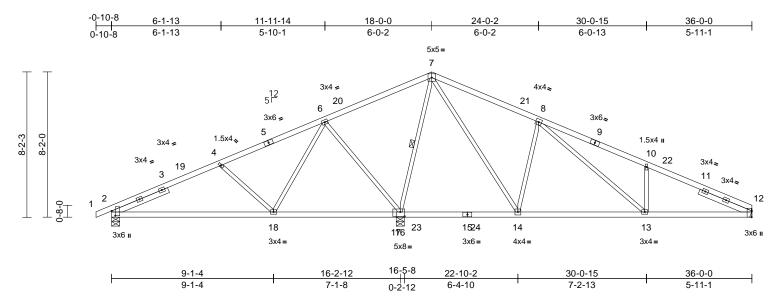
Job Truss Truss Type Qty Ply P240960 **A3** 8 Common Job Reference (optiona

DEVELOPMENT SERVICES 168266275 LEE'S SUMMIT. MISSOURI

RELEASE FOR CONSTRUCTION

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

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tu Sep 17 19:18:1 ID:wv5pEcMn41RuwMuWX0N86szkXBg-RfC?PsB70Hq3NSgPqnL8w3uITXt GKWrCDd7



Scale = 1:64.8

Plate Offsets (X, Y): [2:0-3-3,0-2-7], [12:0-4-3,Edge], [17:0-3-0,0-3-0]

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	0.61	Vert(LL)	-0.17	2-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.35	2-18	>560	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 163 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 -- 3-5-1, Right 2x4 SP No.2

-- 3-2-2

BRACING TOP CHORD

TOP CHORD

WEBS

Structural wood sheathing directly applied or

4-10-5 oc purlins.

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

bracing.

1 Row at midpt 7-16

REACTIONS (size) 2=0-5-8, 12= Mechanical, 16=0-5-8

Max Horiz 2=148 (LC 12)

Max Uplift 2=-137 (LC 12), 12=-173 (LC 13),

16=-251 (LC 12)

Max Grav 2=620 (LC 25), 12=741 (LC 28),

16=2181 (LC 2)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=0/0. 2-4=-762/200. 4-6=-434/132.

6-7=0/693, 7-8=-460/294, 8-10=-1221/421,

10-12=-1237/305

BOT CHORD 2-18=-250/631, 16-18=-215/172,

14-16=-286/172, 13-14=-31/487, 12-13=-199/1060

WFBS 7-16=-1358/208, 4-18=-426/233

6-18=-61/631, 6-16=-783/284, 8-14=-692/315, 7-14=-261/1035,

8-13=-224/811, 10-13=-374/230

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 18-0-0, Exterior(2R) 18-0-0 to 23-0-0, Interior (1) 23-0-0 to 36-0-0 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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Bearings are assumed to be: Joint 2 SP No.2 crushing capacity of 565 psi, Joint 16 SP No.2 crushing capacity of 565 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 137 lb uplift at joint 2, 251 lb uplift at joint 16 and 173 lb uplift at joint
- 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 17,2024



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

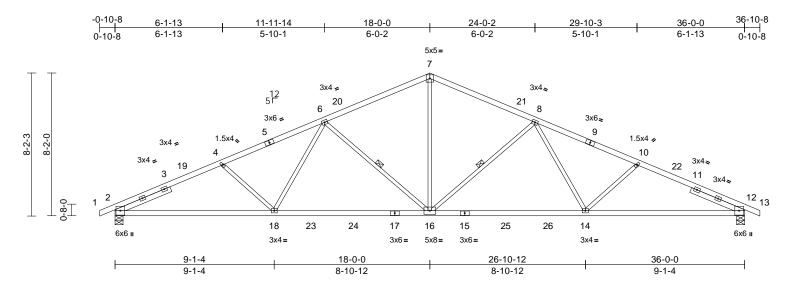


Job	Truss	Truss Type	Qty	Ply		Г
P240960	A4	Common	18	1	Job Reference (optional)	

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

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tue Sep 17 1: 8:13 ID:Do4JrdsVQdc4LgXOR7cmHVzkXB1-RfC?PsB70Hq3NSgPqnL8w3ulTXb(KWrCDoi7J4

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168266276 LEE'S SUMMIT. MISSOURI



Scale = 1:65.9

Plate Offsets	(X, \	′):	[2:0-3-11,	0-0-11],	[12:0-3-11,0-0-11]
---------------	-------	-------------	------------	----------	--------------------

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	0.63	Vert(LL)	-0.31	14-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.53	14-16	>808	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.15	12	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 159 lb	FT = 20%

LUMBER

2x4 SP No.2 *Except* 1-5,9-13:2x4 SP TOP CHORD

1650F 1.5E

BOT CHORD 2x4 SP 1650F 1.5E 2x3 SPF No 2 WFBS

SLIDER Left 2x4 SP No.2 -- 3-5-1, Right 2x4 SP No.2

-- 3-3-9

BRACING

TOP CHORD

TOP CHORD Structural wood sheathing directly applied or

2-7-11 oc purlins.

BOT CHORD Rigid ceiling directly applied or 9-9-0 oc

bracing. WFBS

1 Row at midpt 6-16. 8-16 REACTIONS (size) 2=0-5-8, 12=0-5-8

Max Horiz 2=148 (LC 12)

Max Uplift 2=-275 (LC 12), 12=-275 (LC 13)

Max Grav 2=1752 (LC 2), 12=1752 (LC 2)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=0/0. 2-4=-3328/512. 4-6=-3103/471.

6-7=-2247/433, 7-8=-2247/433,

8-10=-3102/471, 10-12=-3326/512,

12-13=0/0

BOT CHORD 2-18=-530/2942, 16-18=-360/2581,

14-16=-289/2581, 12-14=-383/2941 **WEBS** 7-16=-156/1367, 4-18=-273/212,

6-18=-33/542, 6-16=-790/287, 8-16=-791/287, 8-14=-33/541,

10-14=-272/212

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 18-0-0, Exterior(2R) 18-0-0 to 23-0-0, Interior (1) 23-0-0 to 36-10-8 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 3x4 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- All bearings are assumed to be SP 1650F 1.5E crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 275 lb uplift at joint 2 and 275 lb uplift at joint 12.
- 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 17,2024



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



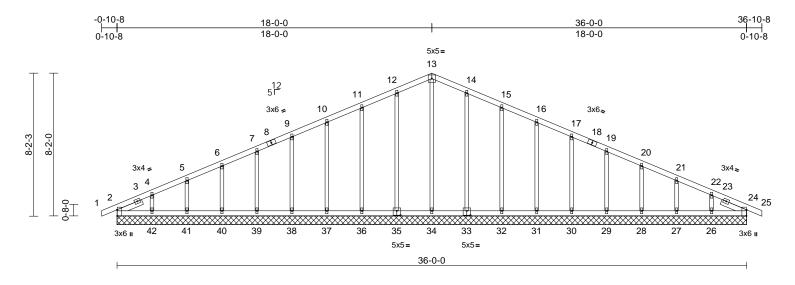
Job	Truss	Truss Type	Qty	Ply		
P240960	A5	Common Supported Gable	1	1	Job Reference (optional)	

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

AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168266277 LEE'S SUMMIT. MISSOURI

RELEASE FOR CONSTRUCTION

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tue Sep 17 19:18:18:18 ID:ewrAceOsPybP0GqmZjh3U?zkXV?-RfC?PsB70Hq3NSgPqnL8w3uITXbG (WrCDoi7J42



Scale = 1:65.9

Plate Offsets (X, Y): [2:0-4-3,Edge], [24:0-4-3,Edge], [33:0-2-8,0-3-0], [35:0-2-8,0-3-0]

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	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.01	24	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S			-				Weight: 176 lb	FT = 20%

LUMBER		FORCES	(lb) - Maximum Compression/Maximum
TOP CHORD	2x4 SP No.2		Tension
BOT CHORD	2x4 SP No.2	TOP CHORD	1-2=0/0, 2-4=-196/72, 4-5=-135/78,
OTHERS	2x3 SPF No.2		5-6=-102/90, 6-7=-81/111, 7-9=-60/133,
SLIDER	Left 2x4 SP No.2 1-6-7, Right 2x4 SP No.2		9-10=-58/156, 10-11=-73/194,
	1-6-7		11-12=-88/239, 12-13=-103/279,
BRACING			13-14=-103/279, 14-15=-88/239,
TOP CHORD	Structural wood sheathing directly applied or		15-16=-73/194, 16-17=-58/151,
TOT OHORD	6-0-0 oc purlins.		17-19=-43/107, 19-20=-43/63, 20-21=-53/
BOT CHORD			21-22=-73/18, 22-24=-126/38, 24-25=0/0
BOT CHOKE	bracing.	BOT CHORD	2-42=-38/146, 41-42=-38/146,
DEACTIONS	9		40-41=-38/146, 39-40=-38/146,
REACTIONS	(,		38-39=-38/146, 37-38=-38/146,
	27=36-0-0, 28=36-0-0, 29=36-0-0,		36-37=-38/146, 34-36=-38/146,
	30=36-0-0, 31=36-0-0, 32=36-0-0,		32-34=-38/146, 31-32=-38/146,
	33=36-0-0 34=36-0-0 35=36-0-0		,

36=36-0-0, 37=36-0-0, 38=36-0-0, 39=36-0-0, 40=36-0-0, 41=36-0-0, 42=36-0-0 Max Horiz 2=148 (LC 16) Max Uplift 2=-27 (LC 13), 24=-3 (LC 9), 26=-80 (LC 13), 27=-52 (LC 13), 28=-55 (LC 13), 29=-54 (LC 13), 30=-55 (LC 13), 31=-54 (LC 13), 32=-58 (LC 13), 33=-50 (LC 13), 35=-52 (LC 12), 36=-57 (LC 12), 37=-54 (LC 12), 38=-55 (LC 12), 39=-54 (LC 12), 40=-55 (LC 12), 41=-51 (LC 12), 42=-93 (LC 12) Max Grav 2=160 (LC 1), 24=160 (LC 1),

26=178 (LC 26), 27=182 (LC 1), 28=180 (LC 26), 29=180 (LC 1), 30=180 (LC 26), 31=180 (LC 1),

32=179 (LC 26), 33=189 (LC 26), 34=185 (LC 22), 35=189 (LC 25), 36=179 (LC 25), 37=180 (LC 1), 38=180 (LC 25), 39=180 (LC 1), 40=180 (LC 25), 41=182 (LC 1), 42=178 (LC 25)

3/25,

30-31=-38/146, 29-30=-38/146, 28-29=-38/146, 27-28=-38/146, 26-27=-38/146, 24-26=-38/146 13-34=-145/13, 12-35=-149/82, 11-36=-139/94, 10-37=-140/88,

9-38=-140/89, 7-39=-140/90, 6-40=-139/89, 5-41=-142/112, 4-42=-135/166, 14-33=-149/82, 15-32=-139/94,

16-31=-140/88, 17-30=-140/89, 19-29=-140/90, 20-28=-139/89, 21-27=-142/113, 22-26=-135/163

NOTES

WEBS

- 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) -0-10-8 to 4-0-0, Exterior(2N) 4-0-0 to 18-0-0. Corner(3R) 18-0-0 to 23-0-0, Exterior(2N) 23-0-0 to 36-10-8 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

- 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.



September 17,2024

· 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



RELEASE FOR CONSTRUCTION AS NOTED FOR PLAN REVIEW Qty Job Truss Truss Type Ply P240960 Α5 Common Supported Gable Job Reference (optional

DEVELOPMENT SERVICES 168266277 LEE'S SUMMIT, MISSOURI

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

Run: 0.53 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tup Sep 17 4: 813 ID:ewrAceOsPybP0GqmZjh3U?zkXV?-RfC?PsB70Hq3NSgPqnL8w3ulTXbG (WrCDoi7J429Cf)

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 2, 52 lb uplift at joint 35, 57 lb uplift at joint 36, 54 lb uplift at joint 37, 55 lb uplift at joint 38, 54 lb uplift at joint 39, 55 lb uplift at joint 40, 51 lb uplift at joint 41, 93 lb uplift at joint 42, 50 lb uplift at joint 33, 58 lb uplift at joint 32, 54 lb uplift at joint 31, 55 lb uplift at joint 30, 54 lb uplift at joint 29, 55 lb uplift at joint 28, 52 lb uplift at joint 27, 80 lb uplift at joint 26 and 3 lb uplift at joint 24.

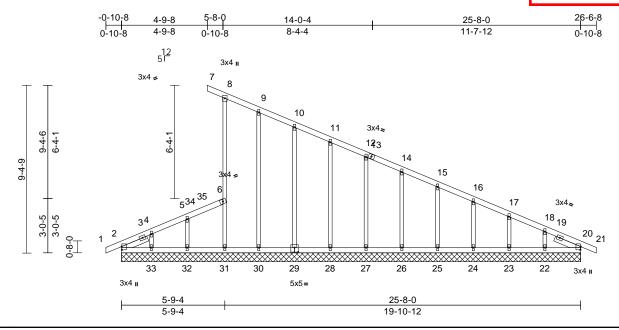
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



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

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tu e Sep 17 👍: ID:bzCw6On6o49uPtGdBr3k7RzkXGI-RfC?PsB70Hq3NSgPqnL8w3uITXbGi WrCDoi7



Scale = 1:64.4

BRACING

Plate Offsets (X, Y): [2:0-2-3,0-0-3], [20:0-2-3,0-0-3], [29:0-2-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)		Plate Grip DOL	1.15	TC	0.41	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.01	20	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 129 lb	FT = 20%

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

SLIDER Left 2x4 SP No.2 -- 1-6-8. Right 2x4 SP No.2

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals.

Except:

6-0-0 oc bracing: 6-8

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

bracing, Except:

10-0-0 oc bracing: 2-33,32-33,31-32.

REACTIONS (size) 2=25-8-0, 20=25-8-0, 22=25-8-0, 23=25-8-0, 24=25-8-0, 25=25-8-0, 26=25-8-0 27=25-8-0 28=25-8-0

29=25-8-0, 30=25-8-0, 31=25-8-0, 32=25-8-0, 33=25-8-0

Max Horiz 2=-307 (LC 9)

Max Uplift 2=-40 (LC 11), 22=-111 (LC 13),

23=-49 (LC 13), 24=-56 (LC 13), 25=-54 (LC 13), 26=-54 (LC 13), 27=-55 (LC 13), 28=-53 (LC 13),

29=-64 (LC 13), 30=-45 (LC 9), 31=-173 (LC 13), 32=-51 (LC 9),

33=-102 (LC 12)

2=165 (LC 22), 20=206 (LC 20), Max Grav 22=180 (LC 1), 23=181 (LC 26),

24=180 (LC 1), 25=180 (LC 26), 26=180 (LC 1), 27=180 (LC 26), 28=180 (LC 1), 29=182 (LC 26),

30=167 (LC 1), 31=206 (LC 1), 32=190 (LC 1), 33=158 (LC 25)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=0/0, 2-4=-262/116, 4-5=-207/105, TOP CHORD

5-6=-208/139, 6-31=-166/347, 6-8=-142/241, 7-8=-26/0, 8-9=-104/79, 9-10=-130/60,

10-11=-157/71, 11-12=-200/86 12-14=-243/101, 14-15=-287/116,

15-16=-330/131, 16-17=-374/147, 17-18=-414/161, 18-20=-504/191, 20-21=0/0

BOT CHORD 2-33=-161/464, 32-33=-161/464, 31-32=-161/464, 30-31=-169/459,

28-30=-169/459, 27-28=-169/459, 26-27=-169/459 25-26=-169/459 24-25=-169/459, 23-24=-169/459,

22-23=-169/459, 20-22=-169/459 WFBS 18-22=-137/227. 17-23=-142/105. 16-24=-140/91, 15-25=-140/89,

14-26=-140/89, 12-27=-140/89, 11-28=-140/88, 10-29=-142/117, 9-30=-128/122, 5-32=-148/130,

4-33=-121/161

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) -0-10-8 to 4-1-8, Exterior(2N) 4-1-8 to 5-9-4, Corner(3E) 4-9-8 to 9-8-0, Exterior(2N) 9-8-0 to 26-6-8 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
- Truss designed for wind loads in the plane of the truss only. For study 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 173 lb uplift at joint 31, 40 lb uplift at joint 2, 111 lb uplift at joint 22, 49 lb uplift at joint 23, 56 lb uplift at joint 24, 54 lb uplift at joint 25, 54 lb uplift at joint 26, 55 lb uplift at joint 27, 53 lb uplift at joint 28, 64 lb uplift at joint 29, 45 lb uplift at joint 30, 51 lb uplift at joint 32 and 102 lb uplift at joint
- 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



September 17,2024

Job Truss Truss Type Qtv Ply P240960 C1 Hip Girder 2 Job Reference (optiona

П

20

NAII FD

10-6-0

6-1-4

11

3x4 II

THJA26

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

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tu Sep 17 💠:18:1 ID:ljrSGQAeiloLuci5CzhomJz0Oa9-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWCDoi7J4zJC

П

23

NAII FD

16-7-4

6-1-4

8

THJA26

3x4 II

4-6-0 10-6-0 21-0-0 16-6-0 4-6-0 6-0-0 6-0-0 4-6-0 NAILED NAILED NAILED NAILED NAILED NAILED NAILED 12 5 F 4x6 ı 1.5x4 _{II} 4x6 ı 519 123 6

9

NAILED

3x8 =

22

NAII FD

Scale =	1:42.7
---------	--------

2-4-14

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	0.61	Vert(LL)	-0.11	9	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.20	9	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.26	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 175 lb	FT = 20%

ПЦ

21 10

NAILED

4x6 =

LUMBER

2x4 SP No.2 TOP CHORD **BOT CHORD** 2x6 SPF No.2 2x3 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except 2-0-0 oc purlins (5-4-6 max.): 3-5.

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

bracing

REACTIONS (size) 2=0-3-8, 6=0-5-8

Max Horiz 2=41 (LC 33)

Max Uplift 2=-432 (LC 8), 6=-438 (LC 9)

 \boxtimes

3x4 =

4-4-12

4-4-12

Max Grav 2=1599 (LC 1), 6=1610 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/6, 2-3=-3215/930, 3-4=-4170/1268,

4-5=-4170/1268, 5-6=-3185/919, 6-7=0/6 **BOT CHORD** 2-11=-776/2841, 9-11=-776/2819,

8-9=-763/2783, 6-8=-764/2805 WEBS 3-11=-13/471, 3-9=-447/1492, 4-9=-827/450,

5-9=-457/1527, 5-8=-13/470

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: 2x3 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) -0-10-8 to 4-1-8, Interior (1) 4-1-8 to 4-6-0, Exterior(2R) 4-6-0 to 11-6-14, Interior (1) 11-6-14 to 16-6-0, Exterior(2E) 16-6-0 to 21-10-8 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 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 432 lb uplift at joint 2 and 438 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.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 12) Use Simpson Strong-Tie THJA26 (THJA26 on 2 ply, Left Hand Hip) or equivalent at 4-6-6 from the left end to connect truss(es) to front face of bottom chord.
- 13) Use Simpson Strong-Tie THJA26 (THJA26 on 2 ply. Right Hand Hip) or equivalent at 16-5-10 from the left end to connect truss(es) to front face of bottom chord.
- 14) Fill all nail holes where hanger is in contact with lumber.
- 15) "NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails per NDS guidelines.

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 1-3=-70, 3-5=-70, 5-7=-70, 2-6=-20

Concentrated Loads (lb)

Vert: 3=-79 (F), 5=-79 (F), 11=-263 (F), 9=-24 (F), 4=-79 (F), 8=-263 (F), 13=-79 (F), 14=-79 (F), 17=-79 (F), 18=-79 (F), 20=-24 (F), 21=-24 (F), 22=-24 (F), 23=-24 (F)

21-0-0

4-4-12

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW

DEVELOPMENT SERVICES 168266279

LEE'S SUMMIT. MISSOURI

3x4

OF MISS SCOTT M. SEVIER NUMBER RESSIONAL DES PE-2001018807

September 17,2024





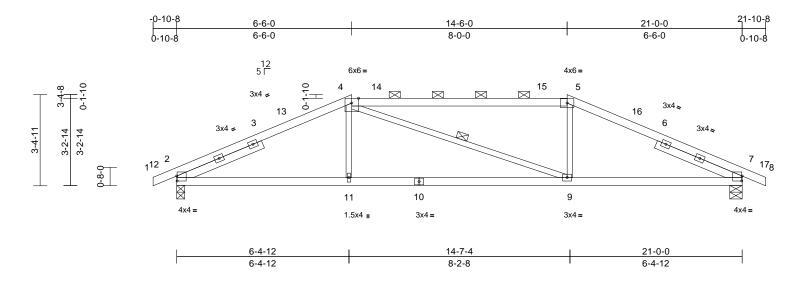
Truss Type Job Truss Qty Ply P240960 C2 Hip Job Reference (optiona

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

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tu ID:tmBD8Uk7dBjg1qo7SL0qAEz0OZQ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J42

DEVELOPMENT SERVICES 168266280 LEE'S SUMMIT. MISSOURI Sep 17 💠:18:1

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW



Scale = 1:42.8

Plate Offsets (X, Y): [2	:0-0-3,0-2-3], [7:0-0-3,0-2-3]
--------------------------	--------------------------------

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	0.75	Vert(LL)	-0.11	9-11	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.25	9-11	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 89 lb	FT = 20%

LUMBER

2x4 SP No.2 *Except* 4-5:2x4 SP 2400F TOP CHORD

2.0E

BOT CHORD 2x4 SP No.2 2x3 SPF No 2 WFBS

SLIDER Left 2x4 SP No.2 -- 3-5-3, Right 2x4 SP No.2

-- 3-5-3

BRACING

TOP CHORD Structural wood sheathing directly applied or

3-7-13 oc purlins, except

2-0-0 oc purlins (4-8-7 max.): 4-5 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

WFBS 1 Row at midpt 4-9 REACTIONS (size)

2=0-3-8, 7=0-5-8 Max Horiz 2=57 (LC 16)

Max Uplift 2=-154 (LC 8), 7=-154 (LC 9)

Max Grav 2=1006 (LC 1), 7=1006 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/0, 2-4=-1707/352, 4-5=-1479/372,

5-7=-1709/352, 7-8=0/0 2-11=-244/1483, 9-11=-247/1478,

BOT CHORD 7-9=-234/1485

WEBS 4-11=0/311, 4-9=-169/171, 5-9=0/311

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) -0-10-8 to 4-1-8, Interior (1) 4-1-8 to 6-6-0, Exterior (2R) 6-6-0 to 13-6-14, Interior (1) 13-6-14 to 14-6-0, Exterior(2R) 14-6-0 to 21-6-14, Interior (1) 21-6-14 to 21-10-8 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 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 154 lb uplift at joint 2 and 154 lb uplift at joint 7.
- 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



September 17,2024



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

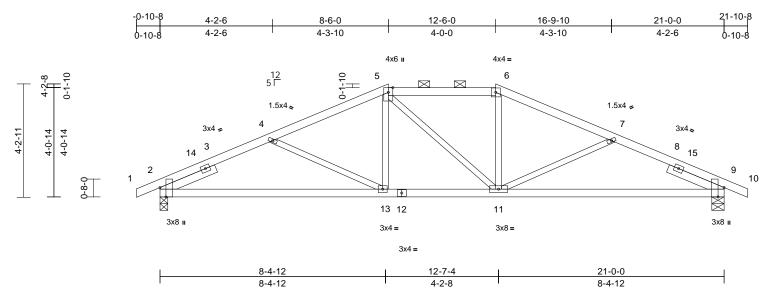


Qty Job Truss Truss Type Ply P240960 C3 Hip Job Reference (optiona

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168266281 LEE'S SUMMIT. MISSOURI

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

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tu Sep 17 19:18:1 ID:E?WXI0?wSyUYgCTMlzQ_3sz0OZ4-RfC?PsB70Hq3NSgPqnL8w3ulTXb0 KWrCDoi



Scale = 1:42.9

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	0.38	Vert(LL)	-0.15	2-13	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.31	2-13	>825	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 92 lb	FT = 20%

LUMBER

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

SLIDER Left 2x4 SP No.2 -- 2-2-11, Right 2x4 SP No.2 -- 2-2-11

BRACING

TOP CHORD Structural wood sheathing directly applied or

4-1-5 oc purlins, except 2-0-0 oc purlins (5-0-0 max.): 5-6.

BOT CHORD Rigid ceiling directly applied or 9-11-10 oc

bracing.

REACTIONS (size) 2=0-3-8, 9=0-5-8

Max Horiz 2=-72 (LC 17)

Max Uplift 2=-152 (LC 12), 9=-152 (LC 13) Max Grav 2=1006 (LC 1), 9=1006 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/0, 2-4=-1699/414, 4-5=-1437/318,

5-6=-1276/326, 6-7=-1437/318, 7-9=-1699/414, 9-10=0/0

BOT CHORD 2-13=-327/1465, 11-13=-173/1275,

9-11=-317/1465

WEBS 5-13=-3/266, 5-11=-134/135, 6-11=0/266,

4-13=-229/191, 7-11=-229/192

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 4-0-2, Interior (1) 4-0-2 to 8-6-0, Exterior(2E) 8-6-0 to 12-6-0, Exterior(2R) 12-6-0 to 19-6-14, Interior (1) 19-6-14 to 21-10-8 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

- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 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 152 lb uplift at joint 2 and 152 lb uplift at joint 9.
- 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



September 17,2024



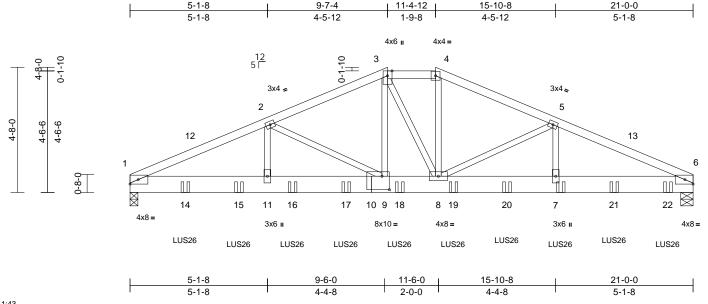
Job Truss Truss Type Qty Ply 3 P240960 C4 Hip Girder Job Reference (optional

S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168266282 LEE'S SUMMIT. MISSOURI

RELEASE FOR CONSTRUCTION

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

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tub Sep 17 💠: 🔞 ID:EXaOueQFRPnjlR4uk61yR1z0OYY-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7U4



Scale = 1:43

Plate Offsets	(X,	Y):	[10:0-3-4,0-6-0]
---------------	-----	-----	------------------

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	0.38	Vert(LL)	-0.09	9-11	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.16	9-11	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.25	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 311 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x8 SPF No.2 2x3 SPF No.2 WEBS

BRACING

BOT CHORD

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except

2-0-0 oc purlins (6-0-0 max.): 3-4.

Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (size) 1=0-3-8, 6=0-5-8

Max Horiz 1=-78 (LC 17)

Max Uplift 1=-1028 (LC 12), 6=-1117 (LC 13)

Max Grav 1=4373 (LC 1), 6=4721 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=-8438/2085, 2-3=-6374/1617, TOP CHORD

3-4=-5880/1533, 4-5=-6458/1637,

5-6=-8307/2055

BOT CHORD 1-11=-1843/7587. 9-11=-1843/7587.

8-9=-1348/5804, 7-8=-1803/7446,

6-7=-1803/7446

WFBS 3-9=-492/2003, 3-8=-99/306, 4-8=-542/2165,

2-9=-1996/565, 5-8=-1751/509, 2-11=-380/1822, 5-7=-347/1664

NOTES

- 3-ply truss to be connected together with 10d 1) (0.131"x3") nails as follows:
 - Top chords connected as follows: 2x4 1 row at 0-9-0
 - Bottom chords connected as follows: 2x8 2 rows staggered at 0-5-0 oc.
- Web connected as follows: 2x3 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
- 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 5-1-8, Interior (1) 5-1-8 to 9-7-4, Exterior(2E) 9-7-4 to 11-4-12, Exterior(2R) 11-4-12 to 18-5-10, Interior (1) 18-5-10 to 20-9-4 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 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 1028 lb uplift at joint 1 and 1117 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.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 12) Use Simpson Strong-Tie LUS26 (4-10d Girder, 4-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 4-0-12 to connect truss(es) to back face of bottom chord.
- 13) Use Simpson Strong-Tie LUS26 (4-10d Girder, 4-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 6-0-12 from the left end to 20-0-12 to connect truss(es) to back face of bottom chord
- 14) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

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

Concentrated Loads (lb)

Vert: 7=-715 (B), 14=-758 (B), 15=-758 (B), 16=-715 (B), 17=-715 (B), 18=-715 (B), 19=-715 (B), 20=-715 (B), 21=-715 (B), 22=-718 (B)



September 17,2024



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

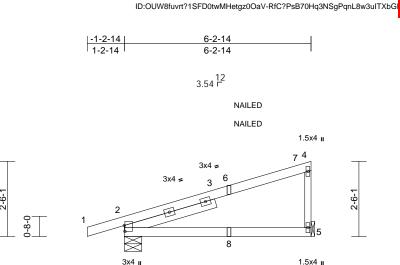


S NOTED FOR PLAN REVIEW Job Truss Truss Type Qty Ply P240960 CG1 Diagonal Hip Girder 2

DEVELOPMENT SERVICES 168266283 LEE'S SUMMIT. MISSOURI Job Reference (optiona Sep 17 19:18:15 Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tu WrCDoi7J4z

RELEASE FOR CONSTRUCTION

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



Scale = 1:38.5

Plate Offsets (X, Y): [2:0-2-6,0-0-4]

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	0.94	Vert(LL)	-0.08	2-5	>867	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.17	2-5	>433	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 27 lb	FT = 20%

NAILED NAILED

6-2-14

LUMBER

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

SLIDER Left 2x4 SP No.2 -- 3-1-15

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) 2=0-7-0, 5= Mechanical

Max Horiz 2=102 (LC 9)

Max Uplift 2=-116 (LC 8), 5=-67 (LC 12) Max Grav 2=371 (LC 1), 5=267 (LC 1)

(lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/0, 2-4=-133/79, 4-5=-206/266

BOT CHORD 2-5=-45/49

NOTES

FORCES

- 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 (3) -1-2-14 to 5-10-0, Exterior(2R) 5-10-0 to 6-1-10 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: Joint 2 SP No.2 crushing capacity of 565 psi.
- Refer to girder(s) for truss to truss connections.

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 5 and 116 lb uplift at joint 2.
- 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.
- "NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails per NDS guidelines.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft) Vert: 1-4=-70, 2-5=-20

> OF MISS SCOTT M. SEVIER PE-2001018807 SSIONAL

September 17,2024





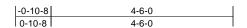


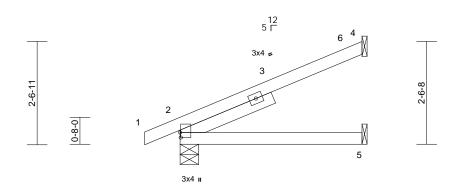
Truss Type Job Truss Qty Ply P240960 J1 Jack-Open Job Reference (optiona

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168266284 LEE'S SUMMIT. MISSOURI

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

Sep 17 49:18:15 Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tu ID:a3dRq1dPlw7j?hlS31NFRqz0Oas-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJ6





4-6-0

Scale = 1:28.5

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

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	0.41	Vert(LL)	-0.02	2-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.05	2-5	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 19 lb	FT = 20%

LUMBER

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

SLIDER Left 2x4 SP No.2 -- 2-5-8

BRACING

TOP CHORD Structural wood sheathing directly applied or

4-6-0 oc purlins.

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

bracing.

REACTIONS (size) 2=0-5-8, 4= Mechanical, 5=

Mechanical Max Horiz 2=97 (LC 12)

Max Uplift 2=-44 (LC 12), 4=-92 (LC 12) Max Grav 2=267 (LC 1), 4=149 (LC 1), 5=89

(LC 3)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/0, 2-4=-90/49

BOT CHORD 2-5=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) -0-10-8 to 4-1-8, Interior (1) 4-1-8 to 4-5-4 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: , Joint 2 SP No.2 crushing capacity of 565 psi.
- Refer to girder(s) for truss to truss connections.

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 92 lb uplift at joint 4 and 44 lb uplift at joint 2.
- 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 17,2024





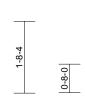
Ply Job Truss Truss Type Qty P240960 J2 Jack-Open Job Reference (optiona

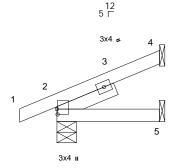
RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168266285 LEE'S SUMMIT. MISSOURI

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

Sep 17 19:18:15 VrCDoi7J4zJ Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tu ID:pogrj6k3AhGRa4xA5Q1MJjz0Oaj-RfC?PsB70Hq3NSgPqnL8w3uITXbGK\

-0-10-8	2-4-15
0-10-8	2-4-15





2-4-15



Scale = 1:27.1

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

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	0.10	Vert(LL)	0.00	2-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	0.00	2-5	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 11 lb	FT = 20%

LUMBER

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

SLIDER Left 2x4 SP No.2 -- 1-5-9

BRACING

TOP CHORD Structural wood sheathing directly applied or

2-4-15 oc purlins.

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

bracing.

REACTIONS (size) 2=0-5-8, 4= Mechanical, 5=

Mechanical Max Horiz 2=59 (LC 12)

Max Uplift 2=-33 (LC 12), 4=-50 (LC 12) Max Grav 2=178 (LC 1), 4=71 (LC 1), 5=47

(LC 3)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/0, 2-4=-57/26

BOT CHORD 2-5=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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: , Joint 2 SP No.2 crushing capacity of 565 psi.
- Refer to girder(s) for truss to truss connections.

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 4 and 33 lb uplift at joint 2.
- 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 17,2024



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 P240960 LG01 Lay-In Gable Job Reference (optiona

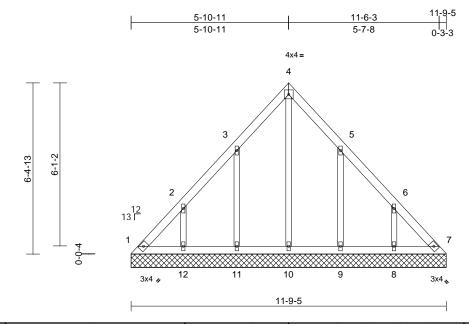
Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

LEE'S SUMMIT. MISSOURI Sep 17 19:18:18 Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tu

CDoi7J4zJC:+ ID:ljrSGQAeiloLuci5CzhomJz0Oa9-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKW

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW

DEVELOPMENT SERVICES 168266286



Scale = 1:43.1

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	0.09	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 55 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=11-9-5, 7=11-9-5, 8=11-9-5,

9=11-9-5, 10=11-9-5, 11=11-9-5,

12=11-9-5

Max Horiz 1=-173 (LC 8)

Max Uplift 1=-58 (LC 10), 7=-33 (LC 11),

8=-145 (LC 13), 9=-142 (LC 13), 11=-143 (LC 12), 12=-144 (LC 12)

Max Grav 1=148 (LC 21), 7=136 (LC 22),

8=210 (LC 20), 9=214 (LC 20)

10=141 (LC 22), 11=216 (LC 19),

12=210 (LC 19)

FORCES (lb) - Maximum Compression/Maximum

1-2=-218/139, 2-3=-137/89, 3-4=-130/119,

TOP CHORD

4-5=-130/114, 5-6=-111/55, 6-7=-196/135

1-12=-108/161, 11-12=-109/161, 10-11=-109/161, 9-10=-109/161,

8-9=-109/161, 7-8=-108/161

2-12=-199/162, 3-11=-201/168,

4-10=-102/62, 5-9=-201/167, 6-8=-199/163

WEBS 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) 0-4-0 to 5-4-0, Interior (1) 5-4-0 to 5-10-14, Exterior(2R) 5-10-14 to 10-10-14, Interior (1) 10-10-14 to 11-5-13 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.
- 6) Gable studs spaced at 0-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 1, 33 lb uplift at joint 7, 144 lb uplift at joint 12, 143 lb uplift at joint 11, 142 lb uplift at joint 9 and 145 lb uplift at joint 8.
- 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



September 17,2024



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

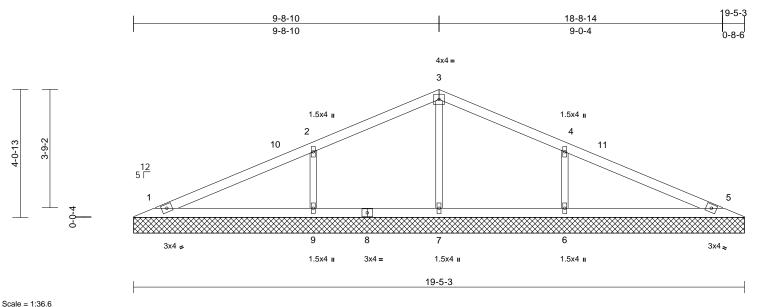


Truss Type Job Truss Qty Ply P240960 V1 Valley Job Reference (optiona

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168266287 LEE'S SUMMIT. MISSOURI

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

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tu Sep 17 💠:18:1 ID:3zT4jVig0TgS0zKJbRxMtuz0OYB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJ



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	0.37	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.08	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 64 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=19-5-3, 5=19-5-3, 6=19-5-3, 7=19-5-3, 9=19-5-3

Max Horiz 1=71 (LC 16)

Max Uplift 1=-19 (LC 12), 5=-31 (LC 13),

6=-154 (LC 13), 9=-154 (LC 12) 1=189 (LC 1), 5=189 (LC 1), 6=500

(LC 26), 7=250 (LC 1), 9=500 (LC

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-88/79, 2-3=-90/118, 3-4=-90/114, 4-5=-66/64

BOT CHORD 1-9=-11/56, 7-9=-11/56, 6-7=-11/56,

5-6=-11/56 **WEBS** 3-7=-195/30, 2-9=-381/231, 4-6=-381/231

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) 0-9-1 to 5-9-3, Interior (1) 5-9-3 to 9-9-3, Exterior(2R) 9-9-3 to 14-9-3, Interior (1) 14-9-3 to 18-9-6 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 chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 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 19 lb uplift at joint 1, 31 lb uplift at joint 5, 154 lb uplift at joint 9 and 154 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



September 17,2024



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

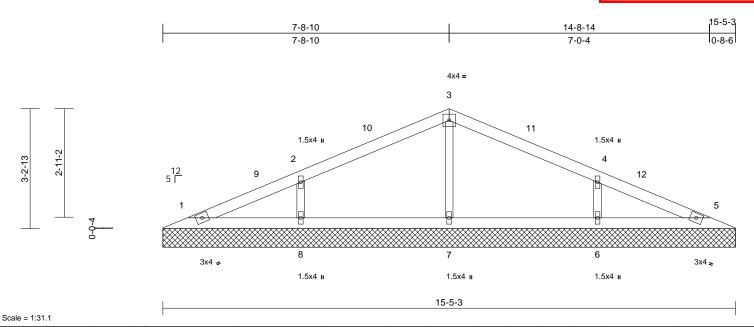


Job Truss Truss Type Qty Ply P240960 V2 Valley Job Reference (optiona

RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168266288 LEE'S SUMMIT. MISSOURI

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

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tu Sep 17 19:18:19: ID:3zT4jVig0TgS0zKJbRxMtuz0OYB-RfC?PsB70Hq3NSgPqnL8w3uITXbGK VrCDoi7J4z



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	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 49 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=15-5-3, 5=15-5-3, 6=15-5-3, 7=15-5-3, 8=15-5-3

Max Horiz 1=-55 (LC 17)

Max Uplift 1=-12 (LC 13), 5=-10 (LC 13),

6=-119 (LC 13), 8=-120 (LC 12)

1=106 (LC 1), 5=106 (LC 1), 6=375 Max Grav

(LC 26), 7=315 (LC 1), 8=375 (LC

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-71/46, 2-3=-87/104, 3-4=-87/98,

4-5=-53/35 **BOT CHORD**

1-8=-4/43, 7-8=-4/43, 6-7=-4/43, 5-6=-4/43 WEBS 3-7=-235/88, 2-8=-295/222, 4-6=-295/222

NOTES

- Unbalanced roof live loads have been considered for 1) this design
- Wind: ASCF 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) 0-9-1 to 5-9-1, Interior (1) 5-9-1 to 7-9-3, Exterior(2R) 7-9-3 to 12-9-3, Interior (1) 12-9-3 to 14-9-6 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 chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 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 12 lb uplift at joint 1, 10 lb uplift at joint 5, 120 lb uplift at joint 8 and 119 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



September 17,2024



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



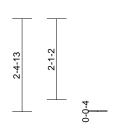
Job Truss Truss Type Qty Ply P240960 V3 Valley Job Reference (optiona

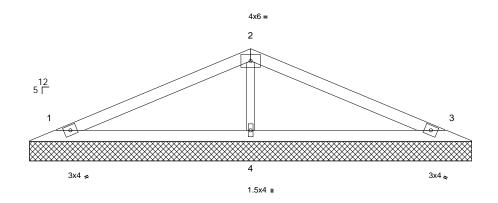
RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168266289 LEE'S SUMMIT. MISSOURI

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

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tu Sep 17 19:18:1 ID:3zT4jVig0TgS0zKJbRxMtuz0OYB-RfC?PsB70Hq3NSgPqnL8w3uITXbGK VrCDoi7J4z







11-5-3

Scale	=	1:29.8	

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	0.42	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 35 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=11-5-3, 3=11-5-3, 4=11-5-3

1=40 (LC 12) Max Horiz

Max Uplift 1=-49 (LC 12), 3=-56 (LC 13),

4=-43 (LC 12)

1=207 (LC 25), 3=207 (LC 26), Max Grav

4=496 (LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-106/64, 2-3=-106/70

BOT CHORD 1-4=-3/43, 3-4=-3/43

2-4=-345/234 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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 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, 56 lb uplift at joint 3 and 43 lb uplift at joint 4.
- 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 17,2024



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 P240960 V4 Valley Job Reference (optiona

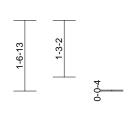
DEVELOPMENT SERVICES 168266290 LEE'S SUMMIT. MISSOURI

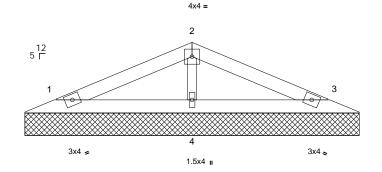
RELEASE FOR CONSTRUCTION S NOTED FOR PLAN REVIEW

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

Sep 17 49:18:15 Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Tu ID:3zT4jVig0TgS0zKJbRxMtuz0OYB-RfC?PsB70Hq3NSgPqnL8w3uITXbGK VrCDoi7J4zJS

3-8-10	6-8-14	7-5-3	
3-8-10	3-0-4	0-8-6	





7-5-3

Scale = 1:25.6

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	0.19	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	0.04	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 22 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=7-5-3, 3=7-5-3, 4=7-5-3

Max Horiz 1=24 (LC 12)

Max Uplift 1=-36 (LC 12), 3=-40 (LC 13),

4=-13 (LC 12)

1=137 (LC 1), 3=137 (LC 1), 4=269 Max Grav

(LC 1)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-55/43, 2-3=-55/48 **BOT CHORD** 1-4=-1/24, 3-4=-1/24

2-4=-193/164 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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 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 36 lb uplift at joint 1, 40 lb uplift at joint 3 and 13 lb uplift at joint 4.
- 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 17,2024





Truss Type Job Truss Qty Ply P240960 V5 Valley Job Reference (optiona

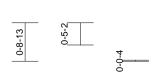
S NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168266291 LEE'S SUMMIT. MISSOURI

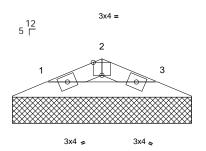
RELEASE FOR CONSTRUCTION

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

ID:3zT4jVig0TgS0zKJbRxMtuz0OYB-RfC?PsB70Hq3NSgPqnL8w3uITXbGK vrCDoi7J4zJ541

1-8-10	2-8-14	3-5-3	
1-8-10	1-0-4	0-8-6	





3-5-3

Scale = 1:22.1

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	0.03	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	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 8 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 3-6-6 oc purlins.

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

bracing.

REACTIONS (size) 1=3-5-3, 3=3-5-3

Max Horiz 1=8 (LC 12)

Max Uplift 1=-14 (LC 12), 3=-14 (LC 13) Max Grav 1=91 (LC 1), 3=91 (LC 1)

(lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-101/94, 2-3=-101/98

BOT CHORD 1-3=-72/83

NOTES

FORCES

- 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. 5)
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 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 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



September 17,2024



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



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

* Plate location details available in MiTek connector plates. required direction of slots in

This symbol indicates the

₹

edge of truss.

plates 0- 1/16" from outside

software or upon request

PLATE SIZE

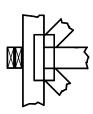
to slots. Second dimension is the length parallel to slots. width measured perpendicular The first dimension is the plate

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



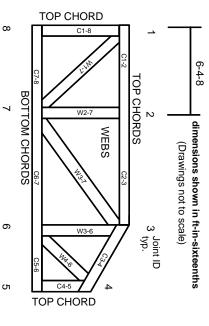
Min size shown is for crushing only number/letter where bearings occur reaction section indicates joint (supports) occur. Icons vary but Indicates location where bearings

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

© 2023 MiTek® All Rights Reserved

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.

ω

- 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.
- œ Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.

9

- 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.