

**RELEASE FOR CONSTRUCTION** AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT. MISSOURI 02/22/2024

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: Nathan Fox

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

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.



Nathan Fox



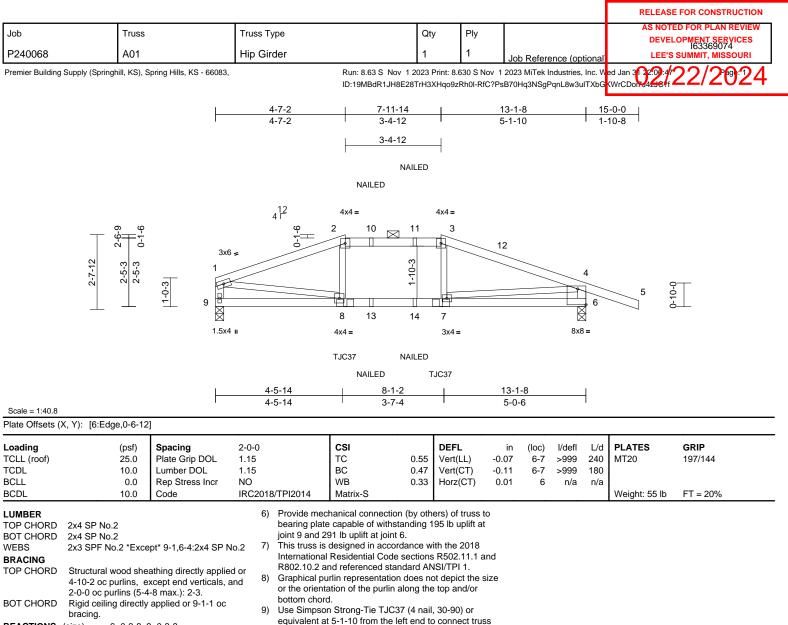
RE: P240068 -



MiTek, Inc. 16023 Swingley Ridge Rd. Chesterfield, MO 63017

314.434.1200

No. 69 771 72 73 75 76 77 78 80 81 82 88 84 88 88 90 91 93 94 95 69 78 99 90 01 102 34	Seal# 163369142 163369143 163369144 163369144 163369145 163369147 163369148 163369150 163369151 163369152 163369154 163369155 163369155 163369156 163369156 163369156 163369161 163369161 163369165 163369165 163369165 163369165 163369167 163369170 163369171 163369172 163369173 163369173 163369174 163369175 163569175 163569175 163569175 163569175 163569175 163569175 163569175 163569175 163569175 163569175 163569175 163569175 165568 165568 1655688 16556888 1655688888 16556888888	Truss Name J13 J14 J15 J16 J17 J18 J20 J21 J22 J23 J24 J25 J26 J27 J28 J29 J30 J31 J32 J33 J34 J35 J36 J37 LG01 LG02 LG04 LG05 LG06 LG07 LG08 LG09 LG01 V01	2/6/24 2/6/24
100	163369173	LG07	2/6/24
101	163369174	LG08	2/6/24
102	163369175	LG09	2/6/24



REACTIONS	(size)	6=0-3-8, 9=0-3-8
	Max Horiz	9=-39 (LC 9)
	Max Uplift	6=-291 (LC 9), 9=-195 (LC 8)
	Max Grav	6=876 (LC 1), 9=725 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOP CHORD	1-2=-1209	9/586, 2-3=-1102/604,
	3-4=-1227	7/588, 4-5=0/45, 1-9=-681/386,
	4-6=-815/	/531
BOT CHORD	8-9=-63/1	77, 7-8=-416/1102, 6-7=-96/248
WEBS	2-8=0/146	6, 3-7=0/173, 1-8=-412/962,
	4-7=-374/	888

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

- Use Simpson Strong-Tie TJC37 (4 nail, 30-90) or equivalent at 5-1-10 from the left end to connect truss (es) to front face of bottom chord, skewed 51.3 deg.to the left, sloping 0.0 deg. down.
- 10) Use Simpson Strong-Tie TJC37 (4 nail 90-150) or equivalent at 8-6-6 from the left end to connect truss(es) to front face of bottom chord, skewed 51.3 deg.to the right, sloping 0.0 deg. down.
- 11) Fill all nail holes where hanger is in contact with lumber.12) "NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails
- per NDS guidelines. 13) 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
- LOAD CASE(S) Standard
- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft)
  - Vert: 1-2=-70, 2-3=-70, 3-4=-70, 4-5=-70, 6-9=-20 Concentrated Loads (Ib)

Vert: 8=-125 (F), 7=-125 (F), 10=-19 (F), 11=-19 (F), 13=-8 (F), 14=-8 (F)





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/TPI Claulity 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)

									RELEAS	E FOR CONSTR	RUCTION
Job	Truss		Truss Type		Qty	Ply				ED FOR PLAN	
P240068	A02		Common		1	1	Job Refere	ence (optional		LOPMENT SER 163369075 SUMMIT, MISS	
Premier Building Supply (Spring	hill, KS), S	Spring Hills, KS - 66083,	1	Run: 8.63 S Nov 1			1 2023 MiTek I	ndustries, Inc. W			124
				ID:CHWLxBADhWdl	JzABOCL	zPIUzRh0a-Rf0	C?PsB70Hq3NS	SgPqnL8w3uITX	GKWrCDoi7 J4200	<u>/</u>	<u> </u>
		L	6-3-8			1	3-1-8		15-0-	0	
		Ι	6-3-8	I		6	5-10-0		1-10-	8	
				4x6 =							
			12 4 [	2							
$\top$ $\top$			41	9							
		6x6 =					10				
ကု ကု		8						11			
3-2-8 3-1-5		1							3		
1-0-3		15								4	0-0-
	7								5	$\square$	0-10-0
		$\mathbb{X}$		6					X		
		3x4 u		3x8 =					8x8 =		
			<u>6-3-8</u> 6-3-8				<u>3-1-8</u> 5-10-0				
Scale = 1:31.9											
Plate Offsets (X, Y): [5:Edg	ge,0-6-12	]							1		
Loading TCLL (roof)	(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15	CSI TC		E <b>FL</b> ert(LL) -	in (loc) 0.05 5-6	l/defl L/d >999 240	PLATES MT20	<b>GRIP</b> 197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.38 Ve	ert(CT) -	0.10 5-6	>999 180		10//111	
BCLL BCDL	0.0 10.0	Rep Stress Incr Code	YES IRC2018/TPI2014	WB ( Matrix-S	0.16 Ho	orz(CT)	0.01 5	n/a n/a	Weight: 57 lb	FT = 20%	
LUMBER				echanical connection (b							
TOP CHORD 2x4 SP No. BOT CHORD 2x4 SP No.				ate capable of withstand buplift at joint 5.	ling 97 lb	o uplift at join	t				
WEBS 2x3 SPF No BRACING	o.2 *Exce	ept* 7-1,5-3:2x4 SP No		is designed in accordar nal Residential Code sed							
TOP CHORD Structural v		athing directly applied	D902 10 1	2 and referenced standa							
BOT CHORD Rigid ceiling		xcept end verticals. applied or 10-0-0 oc	LOAD CASE	Standard							
bracing. REACTIONS (size) 5	5=0-3-8, 7	7=0-3-8									
Max Horiz 7 Max Uplift 5		C 9) .C 9), 7=-97 (LC 8)									
Max Grav 5	5=730 (LC	C 1), 7=566 (LC 1)									
Tension		pression/Maximum									
TOP CHORD 1-2=-814/3 1-7=-510/3		828/392, 3-4=0/45, 667/477									
BOT CHORD 6-7=-132/24 WEBS 2-6=0/217,		255/369 9/473, 3-6=-109/375									
NOTES											
<ol> <li>Unbalanced roof live loa this design.</li> </ol>											
<ol> <li>Wind: ASCE 7-16; Vult= Vasd=91mph; TCDL=6.</li> </ol>									CONTRACTOR OF	ADDA MIN	
Ke=1.00; Cat. II; Exp C exterior zone and C-C E			2)						TATE OF	MISSO	0
Interior (1) 5-8-4 to 6-10 11-10-0, Interior (1) 11-								a	S/ NAIL		N N
left and right exposed ; exposed;C-C for memb	end verti	cal left and right						TA A	FC FC	X	¥ Å
reactions shown; Lumb										1 th	
DOL=1.60 3) This truss has been des								N.	PE-202	BER 0	<u>T</u>
<ul><li>chord live load nonconc</li><li>4) All bearings are assumed</li></ul>			5.					Ŷ	TA		ġ
capacity of 565 psi.		5							SSION	IL ENO	1
									all		
									reprua	ary 6,2024	

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/TPI1 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)

# 16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MITek-US.com

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11035	Truss Type	QUY	I IY		DEVELOPMENT SERVICES 163369076
P240068	A03	Common	1	1	Job Reference (optional	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 2201:50 ID:zp?NcwGEo\_dMwOoxg16H3AzRh0S-RfC?PsB70Hq3NSgPqnL8w3uITXb SKWrCDorf 3-zzC?

#### 6-3-8 7-7-0 6-3-8 1-3-8 4x6 = 1.5x4 u 2 12 4 Г 8 3 6 3x4 🚅 3-1-5 2-8-3 1-0-3 0 6 4 $\mathbb{R}$ 5 1.5x4 ı 3x4 = 3x4 =

6-3-8	7-7-0
6-3-8	1-3-8

Scale = 1.50.5												
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	0.92	Vert(LL)	-0.05	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.09	5-6	>941	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 36 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 *Exce Structural wood she 2-2-0 oc purlins, exc Rigid ceiling directly	athing directly appli cept end verticals.	Internationa R802.10.2 a No.2 LOAD CASE(S ed or	s designed in acc al Residential Co and referenced s ) Standard	de sections	R502.11.1	and					
	bracing. (size) 4=0-3-8, 6 Max Horiz 6=105 (LC Max Uplift 4=-65 (LC Max Grav 4=328 (LC	C 9) C 8), 6=-63 (LC 8)										

FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=-200/68, 2-3=-61/77, 1-6=-278/248, 3-4=-45/67

Scale = 1:30.5

#### BOT CHORD 5-6=-244/138, 4-5=-128/163 WEBS 1-5=0/146, 2-4=-366/248, 2-5=0/286 NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-8-4 to 5-8-4, Interior (1) 5-8-4 to 6-10-0, Exterior(2E) 6-10-0 to 7-11-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom 3) chord live load nonconcurrent with any other live loads.

All bearings are assumed to be SP No.2 crushing 4) capacity of 565 psi.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 6 and 65 lb uplift at joint 4.

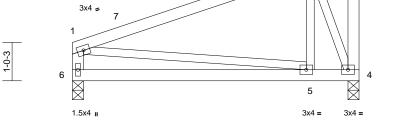
# February 6,2024

 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 beigh valid for use only with with with sets outputs into design is based only door parameters shown, and is for an individual dualing 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/TPI 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)





22/2024



						RELEASE FOR CONSTRUCTION
loh	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
Job	Truss	Truss Type	Quy	FIY		DEVELOPMENT SERVICES 163369077
P240068	A04	Common	1	1	Job Reference (optional	

Scale - 1:30 5

LUMBER

WEBS BRACING TOP CHORD

TOP CHORD

BOT CHORD

BOT CHORD

FORCES

TOP CHORD

BOT CHORD

WEBS

NOTES

1)

2)

REACTIONS (size)

2x4 SP No.2

2x4 SP No.2

bracing.

Tension

3-4=-45/68

Max Horiz 6=105 (LC 9)

5-6=-241/139, 4-5=-129/158

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:55 22/2 10:52 ID:saEuSIJksC7nP06ivsBDE0zRh0O-RfC?PsB70Hq3NSgPqnL8w3uITXbGr/wrCD0i79-2567

3x4 =

3x4 =

#### 6-0-0 7-3-8 6-0-0 1-3-8 4x6 = 1.5x4 II 12 4 Г 2 8 3 3x4 🚅 2-9-13 3-1-5 3-1-5 2-8-3 6 4 X 5

1.5x4 🛚



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	0.82	Vert(LL)	-0.04	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.08	5-6	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 35 lb	FT = 20%

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.

2x3 SPF No.2 \*Except\* 6-1,4-3:2x4 SP No.2 LOAD CASE(S) Standard

Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-11-12 to 5-11-12, Interior (1) 5-11-12 to 6-10-0, Exterior(2E) 6-10-0 to 7-11-12 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and

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

4=0-3-8, 6= Mechanical

Rigid ceiling directly applied or 10-0-0 oc

Max Uplift 4=-62 (LC 8), 6=-60 (LC 8) Max Grav 4=315 (LC 1), 6=315 (LC 1)

(lb) - Maximum Compression/Maximum

1-2=-189/70, 2-3=-61/77, 1-6=-267/242,

1-5=0/139, 2-4=-345/249, 2-5=0/264

forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) This truss has been designed for a 10.0 psf bottom

- chord live load nonconcurrent with any other live loads.4) Bearings are assumed to be: , Joint 4 SP No.2 crushing
- capacity of 565 psi.

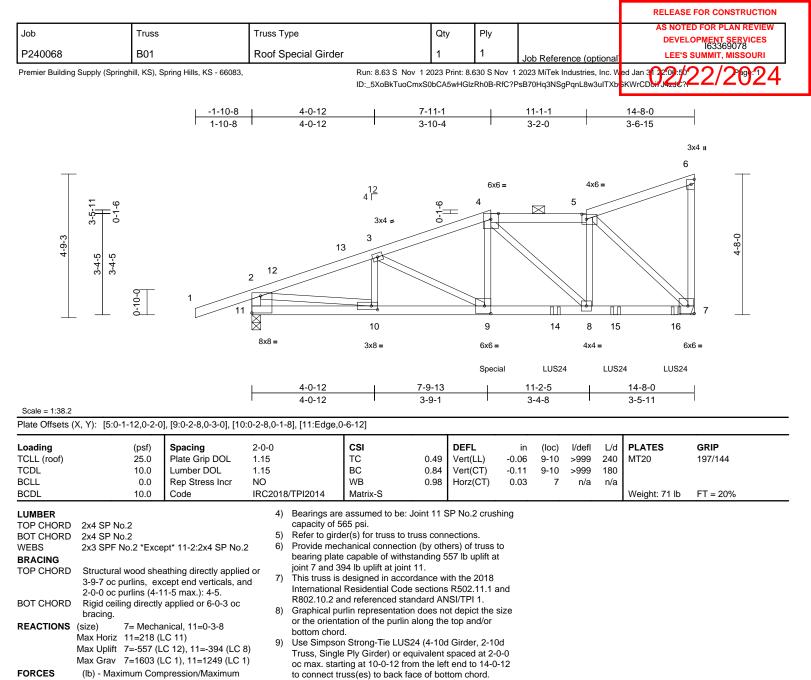
5) Refer to girder(s) for truss to truss connections.

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 60 lb uplift at joint 6 and 62 lb uplift at joint 4.



16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200/ MITGk-US.com

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/TPH Claulity 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)



10) Fill all nail holes where hanger is in contact with lumber.

design/selection of such connection device(s) is the

12) In the LOAD CASE(S) section, loads applied to the face

provided sufficient to support concentrated load(s) 694

Ib down and 248 lb up at 7-11-1 on bottom chord. The

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

Vert: 1-2=-70, 2-4=-70, 4-5=-70, 5-6=-70, 7-11=-20

Vert: 9=-694 (B), 14=-238 (B), 15=-238 (B), 16=-243

11) Hanger(s) or other connection device(s) shall be

of the truss are noted as front (F) or back (B).

- Tension TOP CHORD 1-2=0/45, 2-3=-2019/687, 3-4=-2000/749, 4-5=-1346/570, 5-6=-110/85, 6-7=-112/121, 2-11=-1186/599 BOT CHORD 10-11=-442/354, 9-10=-965/1863, 8-9=-849/1839, 7-8=-623/1379
- WEBS 3-10=-211/152, 3-9=-216/256, 4-9=-279/820, 4-8=-681/329, 5-8=-361/989, 5-7=-1839/746, 2-10=-602/1693
- 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) -1-10-8 to 3-1-8, Interior (1) 3-1-8 to 7-11-1, Exterior(2E) 7-11-1 to 11-1-1, Interior (1) 11-1-1 to 14-6-12 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.

prevent water ponding. for a 10.0 psf bottom with any other live loads.

responsibility of others.

LOAD CASE(S) Standard

Plate Increase=1.15

Uniform Loads (lb/ft)

Concentrated Loads (lb)

1)

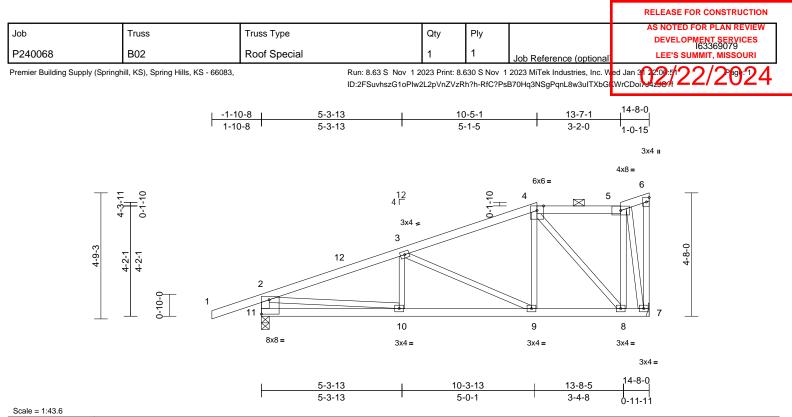


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 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)

(B)

February 6,2024





#### Plate Offsets (X, Y): [11:Edge,0-6-8]

	(,,, ,). [:=dge,e e e	1											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	3/TPI2014	CSI TC BC WB Matrix-S	0.40 0.30 0.38	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.03 -0.06 0.01	(loc) 9-10 9-10 7	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 75 lb	<b>GRIP</b> 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 *Exce Structural wood she 5-3-13 oc purlins, e 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. (size) 7= Mecha Max Horiz 11=218 (L Max Uplift 7=-152 (L Max Grav 7=639 (LC (lb) - Maximum Com	ept* 11-2:2x4 SP No athing directly appli xcept end verticals, -0 max.): 4-5. applied or 7-7-10 c anical, 11=0-3-8 _C 9) C 12), 11=-228 (LC C 1), 11=800 (LC 1)	4) 5) 6) ed or and 7) c 8) 8) LC	Bearings are capacity of 9 Refer to gird Provide mer bearing plat joint 7 and 2 This truss is Internationa R802.10.2 a Graphical pu	e assumed to be: J 565 psi. ler(s) for truss to tr shanical connection e capable of withst 28 lb uplift at joint designed in accor I Residential Code nd referenced star urlin representation ation of the purlin a d.	russ coni n (by oth anding 1 11. dance w sections ndard AN n does no	nections. ers) of truss t 52 lb uplift at th the 2018 R502.11.1 a ISI/TPI 1. ot depict the s	to t					
TOP CHORD	Tension 1-2=0/45, 2-3=-1080 4-5=-178/139, 5-6=- 2-11=-744/433	,	<b>,</b>										
BOT CHORD	10-11=-394/389, 9-1 8-9=-312/501, 7-8=-												
WEBS	3-10=0/154, 3-9=-50 4-8=-569/308, 5-8=- 2-10=-236/814											- COLOR	an
Vasd=91r Ke=1.00; exterior zc Interior (1 13-7-1, In and right of	CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 ) 3-1-8 to 10-5-1, Exter terior (1) 13-7-1 to 14-6 exposed; end vertical	DL=6.0psf; h=35ft; d; MWFRS (envelo E) -1-10-8 to 3-1-8, rior(2E) 10-5-1 to 6-12 zone; cantileve left and right	er left									STATE OF STATE OF NATH FO	MISSOLA ANIEL X ER 37 M20

- reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 Provide adequate drainage to prevent water ponding. 2)
- 3) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.

exposed;C-C for members and forces & MWFRS for

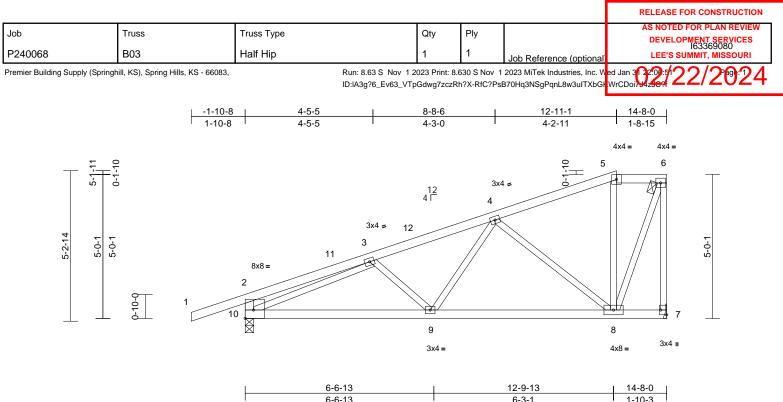


February 6,2024

PE-2022042259

OFFESSIONAL ET

 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 besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property 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 **ANS/TPH1 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)



Loading (pcf)	Spacing	200	CSI	DEEL	in (loc)	l/dofl l/d		CPIP	
Plate Offsets (X, Y): [2:Edge,0-3-	3], [7:Edge,0-2-8]								
Scale = 1:40.1									
			6-6-13	1	6-3-1		1-10-3	1	

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES	/TPI2014	CSI TC BC WB Matrix-S	0.35 0.42 0.51	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.04 -0.08 0.02	(loc) 9-10 9-10 7	l/defl >999 >999 n/a	L/d 240 180 n/a	<b>PLATES</b> MT20 Weight: 72 lb	<b>GRIP</b> 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 *Exce Structural wood shea 5-11-9 oc purlins, ev 2-0-0 oc purlins (6-0-	pt* 10-2:2x4 SP No.2 athing directly applie ccept end verticals, a -0 max.): 5-6.	5) 6) 2 7) d or	Bearings are capacity of 5 Refer to gird Provide mec bearing plate joint 7 and 22 This truss is International	assumed to be: Jo	lss conr (by oth anding 1 0. lance w sections	nections. ers) of truss = 51 lb uplift a ith the 2018 s R502.11.1 a	to t				weignt. 72 ib	11 = 2078
	Rigid ceiling directly bracing. (size) 7= Mecha Max Horiz 10=235 (L Max Uplift 7=-151 (L0 Max Grav 7=639 (LC	9) LO	Graphical pu	rlin representation ation of the purlin al I.	does no	ot depict the	size						
FORCES	(lb) - Maximum Com Tension	,, , ,											
TOP CHORD	1-2=0/45, 2-3=-210/5 4-5=-282/151, 5-6=-2 2-10=-351/294	-,,	14,										
BOT CHORD WEBS	9-10=-572/942, 8-9= 3-10=-908/316, 5-8= 3-9=-160/162, 4-9=-3	-124/178, 6-8=-324/6	636,										
this design 2) Wind: ASC Vasd=91m	ed roof live loads have CE 7-16; Vult=115mph nph; TCDL=6.0psf; BCI Cat. II; Exp C; Enclosed	(3-second gust) DL=6.0psf; h=35ft;	e)									STATE OF M	MISSOLD

2) Wind: ASCE 7-16, Vulle 15/hpm (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) -1-10-8 to 3-1-8, Interior (1) 3-1-8 to 12-11-1, Exterior(2E) 12-11-1 to 14-6-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

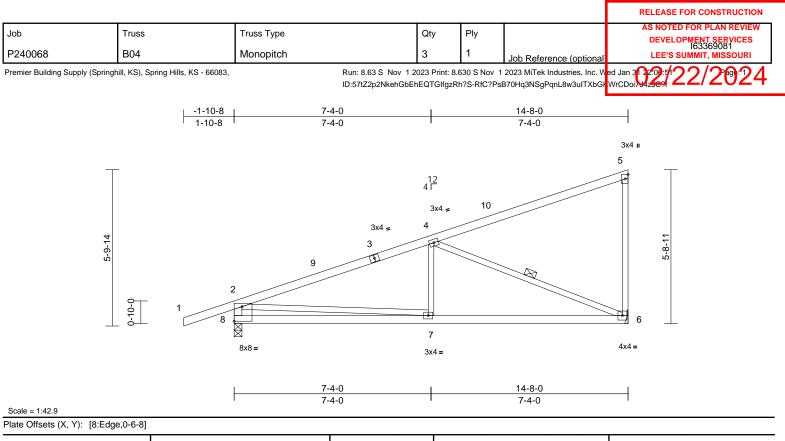
 Provide adequate drainage to prevent water ponding.
 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

# PE-2022042259

February 6,2024







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	0.79	Vert(LL)	-0.08	6-7	>999	240	MT20	244/190		
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.16	6-7	>999	180				
BCLL	0.0	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.01	6	n/a	n/a				
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 67 lb	FT = 20%		
LUMBER				designed in acco										
TOP CHORD	2x4 SP No.2 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPL1													
BOT CHORD	2x4 SP No.2 R802.10.2 and referenced standard ANSI/TPI 1.													
WEBS														
	BRACING													
TOP CHORD		eathing directly applie	d or											
	5-2-10 oc purlins, e													
BOT CHORD	3	/ applied or 8-4-3 oc												
WEBS	bracing. 1 Row at midpt	4-6												
REACTIONS		anical, 8=0-3-8												
	Max Horiz 8=268 (L	,												
	Max Uplift 6=-160 (L	,												
	Max Grav 6=639 (L													
FORCES	`	npression/Maximum												
TOP CHORD	1-2=0/45, 2-4=-103	7/273, 4-5=-165/111,												

 
 TOP CHORD
 1-2=0/45, 2-4=-1037/273, 4-5=-165/111, 5-6=-207/212, 2-8=-733/432

 BOT CHORD
 7-8=-459/535, 6-7=-469/912

 WEBS
 4-7=0/301, 4-6=-968/414, 2-7=-94/591

#### NOTES

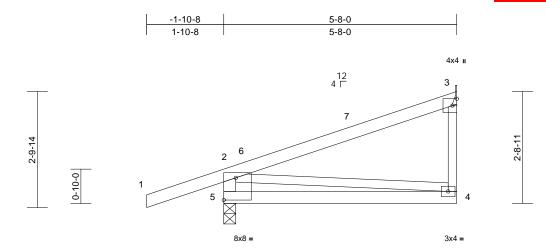
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-10-8 to 3-1-8, Interior (1) 3-1-8 to 14-6-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Bearings are assumed to be: Joint 8 SP No.2 crushing capacity of 565 psi.
- 4) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint 6 and 221 lb uplift at joint 8.

PE-2022042259 February 6,2024

> 16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200/ MITGk-US.com

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/TPH Claulity 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)

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		
P240068	B05	Monopitch	5	1	Job Reference (optional	DEVELOPMENT SERVICES 163369082 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springh	nill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Nov 1 ID:S5gS5W6WYBJZ	2023 Print: 8. i?aBD0sTMjz	630 S Nov 1 Rh?N-RfC?F	2023 MiTek Industries, Inc. W PsB70Hq3NSgPqnL8w3uITXb	ed Jan 312209:5222/290:24



			5-8-0	l	
Scale = 1:28					
Plate Offsets (X, Y): [5:Edge,0-6-8	]				

Loading(psf)Spacing2-0-0CSIDEFLin(loc)l/deflL/dPLATESTCLL (roof)25.0Plate Grip DOL1.15TC0.54Vert(LL)-0.054-5>999240MT20	<b>GRIP</b> 197/144										
TCDL         10.0         Lumber DOL         1.15         BC         0.37         Vert(CT)         -0.10         4-5         >628         180           BCLL         0.0         Rep Stress Incr         YES         WB         0.07         Horz(CT)         0.00         3         n/a         n/a											
BCLL     0.0     Rep Stress Incr     YES     WB     0.07     Horz(CT)     0.00     3     n/a       BCDL     10.0     Code     IRC2018/TPI2014     Matrix-P     Weight: 27 lb	FT = 20%										
	FT = 2070										
LUMBER 6) This truss is designed in accordance with the 2018											
TOP CHORD 2x4 SP No.2 International Residential Code sections R502.11.1 and											
BOT CHORD 2x4 SP No.2 R802.10.2 and referenced standard ANSI/TPI 1.											
WEBS 2x3 SPF No.2 *Except* 5-2:2x4 SP No.2 7) Gap between inside of top chord bearing and first											
BRACING diagonal or vertical web shall not exceed 0.500in.											
RD Structural wood sheathing directly applied or LOAD CASE(S) Standard											
5-8-0 oc purlins, except end verticals.											
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.											
REACTIONS (size) 3= Mechanical, 5=0-3-8											
Max Horiz 5=126 (LC 9)											
Max Uplift $3=-55$ (LC 12), 5=-153 (LC 8)											
Max Grav $3=217$ (LC 1), $5=412$ (LC 1)											
FORCES (Ib) - Maximum Compression/Maximum											
TOP CHORD 1-2=0/45, 2-3=-129/83, 3-4=0/108,											
2-5=-357/423											
BOT CHORD 4-5=-298/127											
WEBS 2-4=-89/265											
NOTES											
1) 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) -1-10-8 to 3-1-8, Interior (1) 3-1-8 to 5-6-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- This truss has been designed for a 10.0 psf bottom 2) chord live load nonconcurrent with any other live loads.
- Bearings are assumed to be: , Joint 5 SP No.2 crushing 3) capacity of 565 psi.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 55 lb uplift at joint 3 and 153 lb uplift at joint 5.

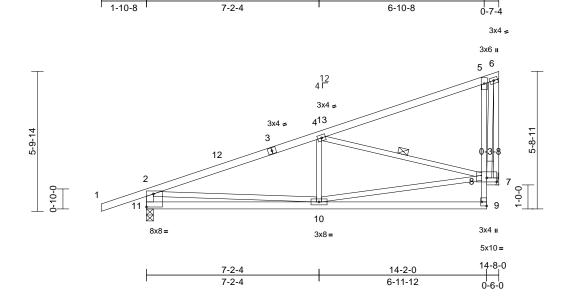
OF MISSO TE NATHANIEL FOX R PE-2022042259 C HESSIONAL ET

February 6,2024



 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 besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property 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 **ANS/TPH1 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)

							RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type		Qty	Ply		
P240068	B06	Jack-Close	ed	1	1	Job Reference (option	DEVELOPMENT SERVICES 163369083 LEE'S SUMMIT, MISSOURI
Premier Building Supply	Wed Jan 3 2:00:52 22/210:00:10						
			ID.pz I LoE9INJy	SOIII39?ZReSIIZF		ondanagedireasan voc	
		-1-10-8	7-2-4			-0-12	3-0 
		<sup>1</sup> 1-10-8 <sup>1</sup>	7-2-4	I	6-	10-8 d-7	-4



Scale =	1:48
---------	------

#### Plate Offsets (X, Y): [7:0-5-0,0-2-0], [9:Edge,0-2-8], [11:Edge,0-6-8]

	X, T). [7.0-5-0,0-2-0],	[0.Edg0,0 E 0], [11.	2490,0 0 0]										
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/T	TPI2014	<b>CSI</b> TC BC WB Matrix-S	0.61 0.43 0.50	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.05 -0.12 0.01	(loc) 10-11 10-11 7	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 78 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 *Excep 2x3 SPF No.2 *Excep Structural wood she 5-2-10 oc purlins, e Rigid ceiling directly bracing, Except: 8-6-11 oc bracing: 1 1 Row at midpt	ept* 11-2:2x4 SP No. athing directly applie xcept end verticals. applied or 10-0-0 or 0-11. 4-8 anical, 11=0-3-8 _C 9) C 12), 11=-220 (LC	2 6) Hed or F	bearing plate joint 11 and <sup>2</sup> This truss is International	nanical connectior capable of withst 61 lb uplift at join designed in accon Residential Code nd referenced star Standard	anding 2 t 7. dance w sections	20 lb uplift at ith the 2018 5 R502.11.1 a	t					
FORCES	(lb) - Maximum Com												
TOP CHORD	Tension 2-11=-733/429, 1-2=	=0/45, 2-4=-1024/263	3,										
BOT CHORD	4-5=-202/100, 5-6=- 10-11=-465/522, 9-1												
	5-8=-580/588, 7-8=-	85/95											
WEBS	2-10=-81/554, 4-10= 4-8=-831/343, 6-8=-		44,									~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Vasd=91nr Ke=1.00; ( exterior zc Interior (1) right expor- for member Lumber Dr 2) This truss chord live 3) Bearings a capacity o	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 ) 3-1-8 to 14-6-12 zone sed ; end vertical left a ers and forces & MWF1 OL=1.60 plate grip DC has been designed foi load nonconcurrent wi are assumed to be: Joi f 565 psi. irder(s) for truss to trus	DL=6.0psf; h=35ft; d; MWFRS (envelop E) -1-10-8 to 3-1-8, e; cantilever left and ind right exposed;C- RS for reactions sho V=1.60 r a 10.0 psf bottom th any other live load int 11 SP No.2 crush	C wn; ds.							-		PE-2022	BER 042259

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 buckling of trusses and truss systems, see ANSI/TPI1 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)

16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

February 6,2024

								RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type		Qty	Ply			
P240068	B07	Jack-Closed		6	1	Job Reference	(ontional)	DEVELOPMENT SERVICES 163369084 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Spr	inghill, KS), Spring Hills, KS - 66083,		Run: 8.63 E Jun 15 2	2023 Print: 8	.630 E Jun 15			
			ID:Wz47FfHw0oCR?	ID4bgd_Tuz	Rh?8hv95Y	mbkti7VYOMj?G4	4UujS2UPs	
	-1-10-8	1	8-4-8		1	14-8-0		
	1-10-8	1	8-4-8			6-3-8		1
	0-10-0 1 10	1.5x4  II $12$ $2$ $3$ $4x8 = 9$ $5x4  III$ $8x8 = 1.5x4  IIII$			<sup>3x4</sup> = 11 8 1.5x4 II	3x4 = 5		3x4 II 6 7 3x4 =
Scale = 1:42.9		2-3-8 2-3-8	<u>8-4-8</u> 6-1-0			<u>14-8-0</u> 6-3-8		—
Plate Offsets (X, Y): [3:0	-6-12,0-2-2], [10:Edge,0-3-8]							· · · · · · · · · · · · · · · · · · ·
Loading TCLL (roof) TCDL BCLL BCDL	(psf)Spacing25.0Plate Grip DOL10.0Lumber DOL0.0Rep Stress Incr10.0Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	BC 0 WB 0 Matrix-S		(LL) 0. (CT) -0. z(CT) 0.	.24 9 >7 .42 9 >4	lefl L/d 12 240 08 180 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 82 lb         FT = 20%
WEBS       2x3 SPF         LBR SCAB       1-5 SP 2         BRACING       4-7-1 oc         TOP CHORD       Structura         4-7-1 oc       BOT CHORD         BOT CHORD       Rigid cei         bracing.       WEBS         REACTIONS       (lb/size)         Max Horiz       Max Horiz         Max Uplift       FORCES         FORCES       (lb) - Max         TOP CHORD       2-10=-89         3-12=-13       4-13=-11         5-6=-109       BOT CHORD         BOT CHORD       9-10=0/0         WEBS       4-8=0/32         NOTES       1)         1)       Attached 13-6-6 scath         2.0E with 1 row(s) of o.c.except : starting a row(s) at 4" o.c. for 5 joint 1, nail 1 row(s) at 2")         Vind: ASCE 7-16; Vi         Vasd=91mph; TCDL=Ke=1.00; Cat. II; Exp exterior zone and C-C         Interior (1) 3-1-8 to 1-right exposed ; end v         for members and ford cumber DOL=1.60 pl         3)       This truss has been comparisonal formation of the cumber DOL and forma	Io.2 *Except* 9-3:2x3 SPF No.2 No.2 *Except* 10-2:2x4 SP No. 400F 2.0E one side Il wood sheathing directly applie purlins, except end verticals. Iing directly applied or 6-11-11 c midpt 4-7 7=641/ Mechanical, 10=816/0 10=251 (LC 9) 7=-160 (LC 12), 10=-210 (LC kimum Compression/Maximum 0/506, 1-2=0/45, 2-3=-415/153, 02/321, 12-13=-1279/323, 78/343, 4-11=-143/56, 5-11=-1 /87, 6-7=-141/146 , 3-8=-662/1219, 7-8=-662/1219 9, 4-7=-1292/634, 3-10=-512/52 10 to 5, front face(s) 2x4 SP 244 10d (0.131*x3") nails spaced 9" tt 1-2-4 from end at joint 1, nail -1-11; starting at 8-11-1 from ent t7" o.c. for 4-7-5. JIt=115mph (3-second gust) =60psf; BCDL=6.0psf; h=35ft; C; Enclosed; MWFRS (envelop C Exterior(2E) -1-10-8 to 3-1-8, 4-6-12 zone; cantilever left and ertical left and right exposed, 5-	capacity of 56 5) Refer to girde 2 6) Provide mech bearing plate joint 10 and 1 d or 7) This truss is of International F R802.10.2 an LOAD CASE(S) 3-3-8 8) 15/62, 0 15 00F 1 d at e) C wn;	r(s) for truss to truss anical connection (by capable of withstand 60 lb uplift at joint 7. lesigned in accordan Residential Code sec d referenced standar	connection y others) o ing 210 lb ce with the tions R502	ns. f truss to uplift at 2018 2.11.1 and			STATE OF MISSOL NATHANIEL FOX PE-2022042259 February 6,2024

**MiTek**<sup>®</sup> 16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

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/TPI1 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)

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 163369085
P240068	B08	Half Hip	1	1	Job Reference (optional	
Premier Building Supply (Spring	hill, KS), Spring Hills, KS - 66083,				5 2023 MiTek Industries, Inc. T Ubr?8m4cPiguqwzxrokqcGA0	
	ł	-1-10-8 8-2-13 1-10-8 8-2-13		10 2-	0-4-8 14-2-1 1-12 3-9-9	14-8-0 
						3x4 II
						4x4 = 6 7
5-7-14	0-1-0 -3-8 -3-8 -0-8-8 -0-8-8 -10-0 -10-0	$ \begin{array}{c} 1.5x4 \\ 13 \\ 2 \\ 3 \\ 11 \\ 4x8 \\ 10 \\ 1.5x4 \\ 1$	41 <sup>12</sup> 14	3x4 = 4 9 1.5x4 #	3x4 = 12 5	4x8 II
Scale = 1:46.3		2-3-8 8-2- 2-3-8 5-11			14-8-0 6-5-3	——————
Loading TCLL (roof)	(psf) 25.0 (psf) Plate Grip DOL	2-0-0 CSI	0.75 Vert		in (loc) l/defl L/d .24 10 >711 240	

2.0E with 1 row(s) of 10d (0.131"x3") nails spaced 9' o.c.except : starting at 1-2-4 from end at joint 1, nail 1 row(s) at 4" o.c. for 5-1-11; starting at 8-6-2 from end at joint 1, nail 1 row(s) at 7" o.c. for 4-6-0.

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/TPI1 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)

16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

February 6,2024

G

FOX

MBER

PE-2022042259

OFFESSIONAL EN

Com

								RELEASE	FOR CONSTRUCTION	
Job	Truss	Truss Type		Qty	Ply					٦
P240068	B09	Half Hip		1	1	lah Dafaran	aa (antional		DPMENT SERVICES 163369086 SUMMIT, MISSOURI	
Premier Building Supply (Spring	hill, KS), Spring Hills, KS - 66083,		Run: 8.63 S Nov 1 20	23 Print: 8.6	30 S Nov 1	Job Referen 2023 MiTek Inc		/	22/2021	J
			ID:H3c?30oG7hVT1mF	R92UNqAkz	Rh_U-RfC?F	PsB70Hq3NSgF	qnL8w3ulTXb	GKWrCD677423C?	22/2024	
	-1-10-		7-7-5			12-11-1		14-8-0		
	1-10-	3	7-7-5		ļ	5-3-13		1-8-15		
								4x6 = 1.5x4	I	
<del></del>							_	5 6		
				1 <u>2</u> 4 Г	3x4 =		$\bigcirc$			
				41 4		$\bigcirc$				
	4-1-11		13		<b>F</b>	-			4-1-11	
5-2-14 5-1	4	12							4	
		8x8 = 3								
	o o	2	0		-			7		
1-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	1-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	11 10 10	0-0-		9			8 3x4 =		
	<b>0</b>	6x12 =		I	.5x4 <b>I</b>			3x4 =		
		1.5x4 <b>н</b>								
		2-3-8	7-7-5 5-3-13			<u>13-0-5</u> 5-5-1		14-8-0		
Scale = 1:40.6			5-5-15			5-5-1		1-7-11		_
Plate Offsets (X, Y): [2:Edg	ge,0-3-8], [3:0-9-4,0-2-3], [5:0-	4-4,0-2-0]								_
Loading TCLL (roof)	(psf) <b>Spacing</b> 25.0 Plate Grip DOL		<b>CSI</b> TC 0.6	DEFL 52 Vert(L		. ,	l/defl L/d >577 240	PLATES MT20	<b>GRIP</b> 197/144	
TCDL	10.0 Lumber DOL	1.15 I	BC 0.6	3 Vert(0	CT) -0.4	47 10	>371 180			
BCLL BCDL	0.0 Rep Stress Incr 10.0 Code		WB 0.9 Matrix-S	97 Horz(	CT) 0	25 7	n/a n/a	Weight: 66 lb	FT = 20%	
LUMBER			ssumed to be: Joint 1	1 SP No.2	2 crushing					
TOP CHORD 2x4 SP 240 1650F 1.5E	00F 2.0E *Except* 5-6:2x4 SP		s) for truss to truss co							
	2 *Except* 10-3:2x3 SPF No. 1650F 1.5E		anical connection (by apable of withstandin							
WEBS 2x3 SPF No BRACING	o.2 *Except* 11-2:2x4 SP No.		Ib uplift at joint 11. esigned in accordance	e with the 2	2018					
TOP CHORD Structural v	vood sheathing directly applie Irlins, except end verticals, a	D902 10 2 and	esidential Code section referenced standard							
2-0-0 oc pu	ırlins (6-0-0 max.): 5-6.	<ol><li>B) Graphical purli</li></ol>	n representation does on of the purlin along							
bracing.	g directly applied or 6-0-0 oc	bottom chord.								
	7= Mechanical, 11=0-3-8 I1=225 (LC 9)		Stanuaru							
	7=-152 (LC 8), 11=-215 (LC 8) 7=641 (LC 1), 11=814 (LC 1)									
FORCES (Ib) - Maxim	num Compression/Maximum									
	2-3=-401/242, 3-4=-1419/476,									
2-11=-898/										
8-9=-749/1	0, 3-10=0/48, 3-9=-749/1331, 331, 7-8=-187/252							~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~	
	4-8=-1168/606, 5-8=-129/466 32, 3-11=-550/519	,						OF M	AISSO	
NOTES 1) Wind: ASCE 7-16; Vult=							E	1 AV	NY N	
Vasd=91mph; TCDL=6	.0psf; BCDL=6.0psf; h=35ft; ; Enclosed; MWFRS (envelop	2)					Å	S NATHA		
exterior zone and C-C	Exterior(2E) -1-10-8 to 3-1-8,	5)					ar		A LA	
14-6-12 zone; cantileve	11-1, Exterior(2E) 12-11-1 to r left and right exposed ; end							Manle	KER JAL	
forces & MWFRS for re							N.	PE-20220	42259	
<ul><li>DOL=1.60 plate grip DC</li><li>2) Provide adequate drain</li></ul>	DL=1.60 age to prevent water ponding						Y	128 Star	TNOT	
3) This truss has been des								SIONA	LE	
								Februar	y 6,2024	

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/TPI1 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)



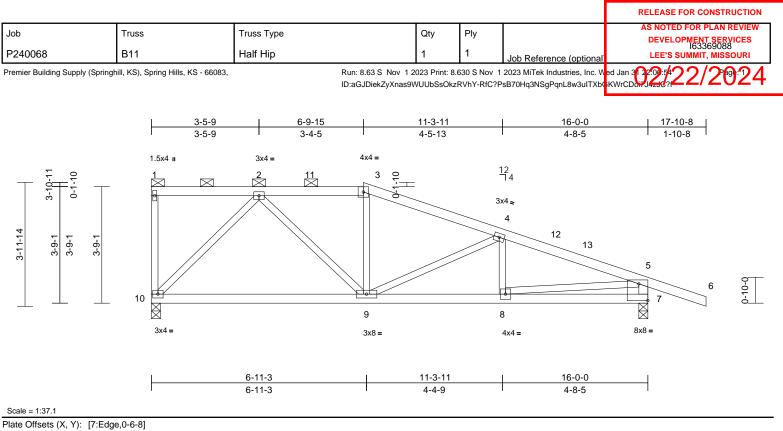
													RELEASE	FOR CONSTRUCTION	N		
Job		Truss		Truss	uss Type Qty Ply									ED FOR PLAN REVIEW			
P240068		B10		Half F	lip Girder			1	2	Job Dofor	ence (option	oll		OPMENT SERVICES 163369087 SUMMIT, MISSOURI			
Premier Building S	Supply (Springh	nill, KS), Sp	pring Hills, KS - 66083,			Run: 8.63 S	Nov 1 202	23 Print: 8.		-	ndustries, Inc.		/	22/202/	1		
						ID:pSImS5Q	tqsd7MJ6h	nWrV_tSzF	Whx-RfC?Ps	B70Hq3NSgF	qnL8w3ulTXb	GI(WrCDoi	94 <del>260</del> 1		т		
			2-6-4	4-6-1	4	8-3-12		12-0-1	0		6-0-0	17-1					
			2-6-4	2-0-1	10	3-8-14	I	3-8-14	ļ	3-	11-6	1-1(	1-10-8				
			4x4 = 3	x4 u	6x6 =												
4-8-14	+	1	3x8 II	13	3 ••••••••••••••••••••••••••••••••••••	01-1-10	3x4z 4 10 3x4=		3x 15 9 33	5 16		7 7 3 3 3 3 x 6 II	8	0-10-0			
			Special														
			2-3-8	4-8-2	2 1	8-3-12		12-0-1	0 1	16	6-0-0	1					
Seele - 1:41.2			2-3-8	2-4-1		3-7-10		3-8-14			11-6	$\neg$					
Scale = 1:41.2 Plate Offsets (X	, Y): [7:0-3-	10,0-2-5],	[13:0-10-8,0-4-12]														
Loading		(psf)	Spacing	2-0-0		CSI		DEF		in (loc)	l/defl L/	d PLAT	ES	GRIP	_		
TCLL (roof)		25.0	Plate Grip DOL	1.15		TC BC	0.3	30 Vert(	LL) -0	.03 9-10	>999 24	0 MT20		197/144			
TCDL BCLL			Lumber DOL Rep Stress Incr	1.15 NO													
BCDL		10.0	Code	IRC20	18/TPI2014	Matrix-S						Weig	ht: 190 lb	FT = 20%			
BOT CHORD WEBS SLIDER	2x4 SP No.2 2x6 SPF No 2400F 2.0E 2x3 SPF No Right 2x4 SF	.2 *Excep .2	ot* 14-13:2x12 SP 2-0-9		<ul> <li>2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD</li> <li>CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.</li> <li>3) Unbalanced roof live loads have been considered for this design.</li> <li>Uniform Loads Vert: 1-3=-70 Concentrated L Vert: 17=-37</li> </ul>									-20, 7-12=-20			
BRACING TOP CHORD	Structural w	ood shea	thing directly applied	dor 4	) Wind: AS	CE 7-16; Vult=11											
			ept end verticals, an 0 max.): 1-3.	d	Ke=1.00;	mph; TCDL=6.0ps Cat. II; Exp C; En	closed; N	/WFRS (	envelope)								
BOT CHORD	Rigid ceiling bracing.	directly a	applied or 10-0-0 oc			one and C-C Exte 2R) 4-6-14 to 11-7											
REACTIONS (	size) 7:	=0-3-8, 14			17-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and												
	/lax Horiz 14 /lax Uplift 7⊧		.C 8) C 9), 14=-1055 (LC 9	)		MWFRS for reacti 0 plate grip DOL=		/n; Lumbe	er								
FORCES			C 1), 14=4245 (LC 1 pression/Maximum	J	) Provide a	dequate drainage	to preve										
	Tension				chord live	s has been design e load nonconcurre	ent with a	iny other	live loads.								
TOP CHORD	1-14=-1756/ 2-3=-1448/4 4-5=-1693/5	65, 3-4=-		7	crushing	are assumed to b capacity of 805 ps of 425 psi.											
BOT CHORD	13-14=-109/ 2-13=-176/1 10-11=-423/	44, 11-12		8	) Provide r bearing p	nechanical connect	hstandin						<u></u>	alle			
WEBS	7-9=-451/16 1-13=-710/2	05		9	joint 14 and 308 lb uplift at joint 7. 9) This truss is designed in accordance with the 2018 Interrutional Benidating Code acceling BE02 11.1 and								EOFI	MISSO			
	3-11=-172/1	50, 11-13	3=-122/799,	06 4	International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.								NATHA				
	4-11=-469/2 5-9=-31/88	.12, 4-10=	⊧-3/186, 5-10 <b>=</b> -110/1	00, 1	10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or								FO				
NOTES 1) 2-ply truss t	o be connect	ted toaeth	ner with 10d	1	bottom chord. 11) Hanger(s) or other connection device(s) shall be								1	1 de la	•		
(0.131"x3")	nails as follo	ws:	2x3 - 1 row at 0-9-0		provided sufficient to support concentrated load(s) 3783 Ib down and 964 lb up at 1-1-10 on bottom chord. The									BER VER	r		
oc, 2x4 - 1 i	ow at 0-9-0 o	DC.			design/selection of such connection device(s) is the								PE-2022	042259			
			ws: 2x12 - 2 rows /s staggered at 0-9-0	) L	responsibility of others.							ALSS AND ENGLIS					
oc. Web conne	cted as follov	vs: 2x3 - ′	1 row at 0-9-0 oc.	1		Roof Live (balanc crease=1.15	ed): Lumi	ber Increa	ase=1.15,			SIONAL ENCE					

- staggered at 0-3-0 oc, 2x6 2 rows staggered at 0-9-0 oc.
- Web connected as follows: 2x3 1 row at 0-9-0 oc.

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/TPI1 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)

STONAL D February 6,2024





	., ., [:==ge,e e e]		-										
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	0.37	Vert(LL)	-0.07	9-10	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.46	Vert(CT)	-0.15	9-10	>999	180		
BCLL	0.0	Rep Stress Incr	YES		WB	0.44	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/T	PI2014	Matrix-S							Weight: 73 lb	FT = 20%
LUMBER			5) A	All bearings a	are assumed to be	e SP No.	2 crushina						
TOP CHORD	2x4 SP No.2			apacity of 5			5						
BOT CHORD	2x4 SP No.2		6) F	Provide mec	hanical connectio	n (by oth	ers) of truss t	to					
WEBS		ept* 7-5:2x4 SP No.2	Ĺ	earing plate	capable of withs	tanding 1	56 Ib uplift at	t					
BRACING				oint 10 and 2	246 lb uplift at joir	nt 7.							
TOP CHORD	Structural wood she	athing directly applie			designed in accor								
		cept end verticals, a	nd <sup>II</sup>		Residential Code			and					
	2-0-0 oc purlins (6-0		F		nd referenced sta								
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc			rlin representation			size					
	bracing.				ation of the purlin	along the	e top and/or						
REACTIONS	(size) 7=0-3-8,	10=0-3-8		ottom chord									
	Max Horiz 10=-176 (	(LC 8)	LOA	D CASE(S)	Standard								
	Max Uplift 7=-246 (L	C 9), 10=-156 (LC 9	)										
	Max Grav 7=859 (L0	C 1), 10=700 (LC 1)											
FORCES	(lb) - Maximum Corr	npression/Maximum											
	Tension												
TOP CHORD	1-10=-100/78, 1-2=-	-82/78, 2-3=-802/319	l <b>,</b>										
		1205/428, 5-6=0/45,											
	5-7=-802/436												
BOT CHORD	,	-309/1091, 7-8=-22/1											
WEBS		0/114, 4-9=-323/238,											
	4-8=-64/92, 2-9=-11	8/374, 2-10=-752/40	8										
NOTES													all a
1) Unbalance	ed roof live loads have	been considered for										OF I	MIG D
this desigr											C	ACEUTI	NIS'S
	CE 7-16; Vult=115mph										A	7.8	1.51
	nph; TCDL=6.0psf; BC										A	STATE OF I	NIEL R
	Cat. II; Exp C; Enclose		e)								H	FO	X V
exterior zo	one and C-C Exterior(2	∠E) U-1-4 to 5-1-4,									<b>~</b>		

Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-1-4 to 5-1-4, Interior (1) 5-1-4 to 6-9-15, Exterior(2R) 6-9-15 to 13-10-13, Interior (1) 13-10-13 to 17-10-8 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.

Antitek Bandar Standard Antibert Standard Standa

February 6,2024

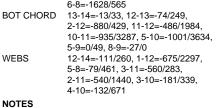
im ha

PE-2022042259

HRSSIONAL ET

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 **ANSITPTI 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)

								RELEASE	FOR CONSTRUCTION
Job Tru	SS	Truss Type	Qt	ty P	ly				
P240068 B12	2	Half Hip Girder	1	2	2	Job Reference	(ontional)		OPMENT SERVICES 163369089 SUMMIT, MISSOURI
Premier Building Supply (Springhill, KS	i), Spring Hills, KS - 66083,		Run: 8.63 S Nov 1 2023	Print: 8.630	S Nov 12	023 MiTek Indus	tries, Inc. W		22/2024
			ID:xm9zu_C0mWh219?_0	GHI?TyzRV	gx-RfC?Pst	370Hq3NSgPqn	_8w3u11Xb0	KWrCDon Jazzo?i	
	2-2-4	5-9-11	9-3-15			16-0-0		17-	·10-8
	2-2-4	3-7-7	3-6-3	I		6-8-1		1-1-1	10-8
		NAILED	NAILED NAILED						
	4x4 = 3	<4 <b>=</b>	3x4 =	4x6 =					
			$3$ $\square$ <sup>17</sup>	4	φ	12    4			
-14 2-11-5 1-11-5 1-5						18	_	7x8 =	
<u>3-1-14</u> <u>2-1</u> <u>2-11-5</u>	120							5	
1 -0-0		Q 20	11 21	10	4	12			0-10-0
			3x4 =	3x4 <b>=</b>			9 <mark>6x1</mark>	2= 8	
	⊠ 3x4 =	5x8 =	NAILED NAILED				1.5x4 <b>॥</b>	$\boxtimes$	
		x4 II NAILED		Special					
	LUS24								
	2-3-8 2-3-8	<u>5-9-11</u> 3-6-3	9-5-3			-8-8 ·3-5		6-0-0 2-3-8	
Scale = 1:37.4	- 2-3-0	3-0-3	5-7-7	·	4.	.3-5		2-3-0	
Plate Offsets (X, Y): [5:0-9-4,0-2	-3], [6:Edge,0-2-0], [12:0	0-4-8,0-3-8]							
Loading (psf)		2-0-0	CSI	DEFL	i	. ,	lefl L/d	PLATES	GRIP
TCLL (roof) 25.0 TCDL 10.0		1.15 1.15	TC 0.72 BC 0.75				59 240 71 180	MT20	197/144
BCLL 0.0 BCDL 10.0		NO IRC2018/TPI2014	WB 0.39 Matrix-S	Horz(CT	) 0.2	7 8	n/a n/a	Weight: 141 lb	FT = 20%
	Code	1KG2010/1F12014	Iviaulix-S						
LUMBER       1) 2-ply truss to be connected together with 10d       11) Use Simpson Strong-T         TOP CHORD       2x4 SP No.2 *Except* 4-7:2x4 SP 2400F       10 (0.131"x3") nails as follows:       11) Use Simpson Strong-T									
2.0E	cept* 4-7:2x4 SP 2400F	(0.131"x3") r Top chords o	nails as follows: connected as follows: 2x3		0-9-0	Truss, left end	ingle Ply	ong-Tie LUS24 (4	-10d Girder, 2-10d lent at 1-11-4 from the
2.0E	cept* 13-2,5-9:2x3 SPF	(0.131"x3") r Top chords c oc, 2x4 - 1 rc	nails as follows:	- 1 row at		Truss, left end chord.	Single Ply to connec	ong-Tie LUS24 (4 Girder) or equival ct truss(es) to bac	-10d Girder, 2-10d lent at 1-11-4 from the
2.0E 2x4 SP No.2 *Ex No.2, 12-5:2x4 S WEBS 2x3 SPF No.2 *E	cept* 13-2,5-9:2x3 SPF	(0.131"x3") r Top chords c oc, 2x4 - 1 rc Bottom chord 0-9-0 oc, 2x3	nails as follows: connected as follows: 2x3 ow at 0-9-0 oc. ds connected as follows: 2 3 - 1 row at 0-9-0 oc.	- 1 row at 2x4 - 1 row	at	Truss, s left end chord. 12) Fill all r 13) "NAILE	Single Ply to connect ail holes v D" indicate	ong-Tie LUS24 (4 Girder) or equival at truss(es) to bac where hanger is in es Girder: 3-10d (1	-10d Girder, 2-10d lent at 1-11-4 from the k face of bottom
2.0E           BOT CHORD         2x4 SP No.2 *Ext No.2, 12-5:2x4 S           WEBS         2x3 SPF No.2 *E           BRACING         TOP CHORD	cept* 13-2,5-9:2x3 SPF P 1650F 1.5E kcept* 8-6:2x4 SP No.2 sheathing directly applie	(0.131"x3") r Top chords c oc, 2x4 - 1 rc Bottom chord 0-9-0 oc, 2x Web connec 2) Ail loads are support if pot	hails as follows: connected as follows: 2x3 bw at 0-9-0 oc. ds connected as follows: 2 3 - 1 row at 0-9-0 oc. ted as follows: 2x3 - 1 row considered equally applie	- 1 row at 2x4 - 1 row v at 0-9-0 c ed to all plie	at oc. es,	Truss, 3 left end chord. 12) Fill all r 13) "NAILE per ND 14) Hanger	Single Ply to connect ail holes v D" indicate S guideline (s) or othe	ong-Tie LUS24 (4 Girder) or equival t truss(es) to back where hanger is in es Girder: 3-10d ( es. er connection devi	-10d Girder, 2-10d lent at 1-11-4 from the k face of bottom o contact with lumber. 0.148" x 3") toe-nails ce(s) shall be
2.0E BOT CHORD 2x4 SP No.2 *Ex No.2, 12-5:2x4 S WEBS 2x3 SPF No.2 *E BRACING TOP CHORD Structural wood s 6-0-0 oc purlins, 2-0-0 oc purlins (	ept* 13-2,5-9:2x3 SPF P 1650F 1.5E kcept* 8-6:2x4 SP No.2 cheathing directly applie except end verticals, ar 6-0-0 max.): 1-4.	(0.131"x3") r Top chords c oc, 2x4 - 1 rc Bottom chorr 0-9-0 oc, 2x3 Web connec d or 2) All loads are except if note CASE(S) see	hails as follows: connected as follows: 2x3 by at 0-9-0 oc. ds connected as follows: 2 3 - 1 row at 0-9-0 oc. ted as follows: 2x3 - 1 row considered equally applic ed as front (F) or back (B) ction. Ply to ply connection	- 1 row at 2x4 - 1 row v at 0-9-0 c ed to all plie face in the ns have be	at oc. es, è LOAD een	Truss, left end chord. 12) Fill all r 13) "NAILE per ND 14) Hanger provide lb dowr	Single Ply to connect ail holes v D" indicate S guideline (s) or othe d sufficient and 80 lb	ong-Tie LUS24 (4 Girder) or equival t truss(es) to bac where hanger is in as Girder: 3-10d ( es. or connection devi t to support conce o up at 2-2-4, and	-10d Girder, 2-10d lent at 1-11-4 from the k face of bottom o contact with lumber. 0.148" x 3") toe-nails ce(s) shall be entrated load(s) 230 470 lb down and 165
2.0E BOT CHORD 2x4 SP No.2 *Ex No.2, 12-5:2x4 S WEBS 2x3 SPF No.2 *E BRACING TOP CHORD Structural wood s 6-0-0 oc purlins, 2-0-0 oc purlins (	cept* 13-2,5-9:2x3 SPF P 1650F 1.5E kcept* 8-6:2x4 SP No.2 sheathing directly applie except end verticals, ar 6-0-0 max.): 1-4. ctly applied or 10-0-0 oc	d or d or d or d or d or d or d or d or	hails as follows: connected as follows: 2x3 bw at 0-9-0 oc. ds connected as follows: 2 s - 1 row at 0-9-0 oc. ted as follows: 2x3 - 1 row considered equally applie ed as front (F) or back (B) ction. Ply to ply connection distribute only loads noted wise indicated.	2 - 1 row at 2x4 - 1 row w at 0-9-0 c ed to all plie face in the ns have be as (F) or (	e at bc. es, e LOAD een B),	Truss, left end chord, 12) Fill all r 13) "NAILE per ND 14) Hanger provide lb dowr lb up at of such	Single Ply to connect all holes w D" indicate S guideline (s) or othe d sufficien and 80 lb 9-3-15 of	ong-Tie LUS24 (4 Girder) or equival t truss(es) to bac where hanger is in as Girder: 3-10d ( es. or connection devi t to support conce o up at 2-2-4, and	-10d Girder, 2-10d lent at 1-11-4 from the k face of bottom o contact with lumber. 0.148" x 3") toe-nails ce(s) shall be entrated load(s) 230 470 lb down and 165 The design/selection
2.0E 2x4 SP No.2 *Ex No.2, 12-5:2x4 S WEBS 2x3 SPF No.2 *E BRACING TOP CHORD Structural wood s 6-0-0 oc purlins, 2-0-0 oc purlins ( Rigid ceiling direc bracing, Except 6-0-0 oc bracing:	cept* 13-2,5-9:2x3 SPF P 1650F 1.5E xcept* 8-6:2x4 SP No.2 theathing directly applie except end verticals, ar 6-0-0 max.): 1-4. ttly applied or 10-0-0 oc 8-9.	(0.131"x3") r Top chords c oc, 2x4 - 1 rc Bottom chorr 0-9-0 oc, 2x3 Web connec d or 2) All loads are except if note CASE(S) sec provided to c unless other 3) Unbalanced this design.	hails as follows: connected as follows: 2x3 bw at 0-9-0 oc. ds connected as follows: 2x3 - 1 row at 0-9-0 oc. ted as follows: 2x3 - 1 row considered equally applie ed as front (F) or back (B) ction. Ply to ply connection distribute only loads noted wise indicated. roof live loads have been	- 1 row at 2x4 - 1 row w at 0-9-0 c ed to all plie face in the ns have be as (F) or ( considered	at oc. es, e LOAD en B), d for	Truss, 1 left end chord. 12) Fill all r 13) "NAILE per ND 14) Hanger provide Ib dowr Ib up at	Single Ply to connect ail holes w D" indicate S guideline (s) or othe d sufficient and 80 lb 9-3-15 of connectio	ong-Tie LUS24 (4 Girder) or equival t truss(es) to bac where hanger is in as Girder: 3-10d ( es. er connection devi t to support conce up at 2-2-4, and h bottom chord. T n device(s) is the	-10d Girder, 2-10d lent at 1-11-4 from the k face of bottom o contact with lumber. 0.148" x 3") toe-nails ce(s) shall be entrated load(s) 230 470 lb down and 165 The design/selection
2.0E         BOT CHORD       2x4 SP No.2 *Ex         No.2, 12-5:2x4 S         WEBS       2x3 SPF No.2 *Ex         BRACING       TOP CHORD         TOP CHORD       Structural wood s         6-0-0 oc purlins, 2-0-0 oc purlins (       BOT CHORD         BOT CHORD       Rigid ceiling dirent bracing, Except bracing, Except 6-0-0 oc bracing;         REACTIONS       (size) 8=0-3-Max Horiz 14=-13	cept* 13-2,5-9:2x3 SPF P 1650F 1.5E xccept* 8-6:2x4 SP No.2 cheathing directly applie except end verticals, ar 6-0-0 max.): 1-4. ctly applied or 10-0-0 oc 8-9. 8, 14=0-3-8 i7 (LC 8)	d or d or	hails as follows: connected as follows: 2x3 bw at 0-9-0 oc. ds connected as follows: 2 s - 1 row at 0-9-0 oc. ted as follows: 2x3 - 1 row considered equally applie ed as front (F) or back (B) ction. Ply to ply connection distribute only loads noted wise indicated.	- 1 row at 2x4 - 1 row w at 0-9-0 c ed to all plie face in the ns have be as (F) or ( considered econd gust)	at oc. es, e LOAD en B), d for	Truss, left end chord. 12) Fill all r 13) "NAILE per ND 14) Hanger provide lb dowr lb up at of such others. LOAD CAS 1) Dead	Single Ply to connect D" indicate S guidelin (s) or othe d sufficien and 80 lk 9-3-15 of connection E(S) Sta + Roof Liv	png-Tie LUS24 (4 Girder) or equival t truss(es) to bac vhere hanger is in as Girder: 3-10d ( es. or connection devi t to support conce oup at 2-2-4, and n bottom chord. T n device(s) is the andard e (balanced): Lun	-10d Girder, 2-10d lent at 1-11-4 from the k face of bottom o contact with lumber. 0.148" x 3") toe-nails ce(s) shall be entrated load(s) 230 470 lb down and 165 The design/selection
2.0E         BOT CHORD       2x4 SP No.2 *Ex         No.2, 12-5:2x4 S         WEBS       2x3 SPF No.2 *E         BRACING       TOP CHORD         TOP CHORD       Structural wood s         6-0-0 oc purlins, 2-0-0 oc purlins, 2-0-0 oc purlins, 6-0-0 oc bracing;         BOT CHORD       Rigid ceiling dirent bracing, Except 6-0-0 oc bracing;         REACTIONS       (size) 8=0-3-Max Horiz 14=-13 Max Uplift 8=-416	cept* 13-2,5-9:2x3 SPF P 1650F 1.5E kccept* 8-6:2x4 SP No.2 cheathing directly applie except end verticals, ar 6-0-0 max.): 1-4. ctly applied or 10-0-0 oc 8-9. 8, 14=0-3-8	<ul> <li>(0.131"x3") r Top chords c oc, 2x4 - 1 rc Bottom chord 0-9-0 oc, 2x<sup>2</sup> Web connec</li> <li>2) All loads are except if note CASE(S) sec provided to c unless other</li> <li>3) Unbalanced this design.</li> <li>4) Wind: ASCE</li> <li>Vasd=91mpi Ke=1.00; Ca</li> </ul>	hails as follows: connected as follows: 2x3 bw at 0-9-0 oc. ds connected as follows: 2 s - 1 row at 0-9-0 oc. ted as follows: 2x3 - 1 row considered equally applie ed as front (F) or back (B) ction. Ply to ply connection fistribute only loads noted wise indicated. roof live loads have been 7-16; Vult=115mph (3-se n; TCDL=6.0psf; BCDL=6. t. II; Exp C; Enclosed; MW	- 1 row at 2x4 - 1 row w at 0-9-0 c ed to all plid face in the ns have be d as (F) or ( considered cond gust) .0psf; h=35 VFRS (env	at bc. es, b LOAD een B), d for 5ft; elope)	Truss, left end chord. 12) Fill all r 13) "NAILE per ND 14) Hanger provide lb dowr lb up at of such others. <b>LOAD CAS</b> 1) Dead Plate Unifor	Single Ply to connect ail holes v D" indicate S guidelin (s) or othe d sufficien and 80 lb 9-3-15 oi connectic (E(S) Stat + Roof Liv increase= m Loads (	png-Tie LUS24 (4 Girder) or equival t truss(es) to bac vhere hanger is in as Girder: 3-10d ( ss. er connection devi t to support conce up at 2-2-4, and h bottom chord. T n device(s) is the undard e (balanced): Lun 1.15 Ib/ft)	-10d Girder, 2-10d lent at 1-11-4 from the k face of bottom o contact with lumber. 0.148" x 3") toe-nails ce(s) shall be entrated load(s) 230 470 lb down and 165 The design/selection responsibility of nber Increase=1.15,
BOT CHORD       2.0E         BOT CHORD       2x4 SP No.2 *Ex         No.2, 12-5:2x4 S       X         WEBS       2x3 SPF No.2 *Ex         BRACING       2x3 SPF No.2 *Ex         TOP CHORD       Structural wood s         60-0 oc purlins, 2-0-0 oc purlins, 2-0-0 oc purlins, 6-0-0 oc bracing;         BOT CHORD       Rigid ceiling dire, bracing, Except 6-0-0 oc bracing;         REACTIONS       (size) 8=0-3-Max Horiz 14=-11 Max Uplift 8=-416 Max Grav 8=136         FORCES       (lb) - Maximum C	2007 2017 2017 2017 2017 2017 2017 2017	<ul> <li>(0.131"x3") r</li> <li>Top chords c</li> <li>oc, 2x4 - 1 rc</li> <li>Bottom chor</li> <li>0.9-0 oc, 2x3</li> <li>Web connect</li> <li>All loads are</li> <li>except if note</li> <li>CASE(S) set</li> <li>provided to c</li> <li>unless other</li> <li>Unbalanced</li> <li>this design.</li> <li>Wind: ASCE</li> <li>Vasd=91mpl</li> <li>Ke=1.00; Ca</li> <li>exterior zone</li> <li>Interior (1) 5-</li> </ul>	hails as follows: connected as follows: 2x3 bw at 0-9-0 oc. ds connected as follows: 2x3 - 1 row at 0-9-0 oc. ted as follows: 2x3 - 1 row considered equally applie ed as front (F) or back (B) ction. Ply to ply connection distribute only loads noted wise indicated. roof live loads have been 7-16; Vult=115mph (3-se n; TCDL=6.0psf; BCDL=6 t. II; Exp C; Enclosed; MW and C-C Exterior(2E) 0-1 -1-4 to 9-3-15, Exterior(2F)	- 1 row at 2x4 - 1 row w at 0-9-0 c ed to all plic face in the ns have be as (F) or ( considered considered considered considered vFRS (env VFRS (env))	at bc. ess, b LOAD wen B), d for ff; elope) 4, b	Truss, left end chord. 12) Fill all r 13) "NAILE per ND 14) Hanger provide lb dowr lb up at of such others. LOAD CAS 1) Dead Plate Unifor Ver 5-1	Single Ply to connect all holes v D" indicate S guidelini (s) or othe d sufficient and 80 lb 9-3-15 or connection ( <b>E(S)</b> Stat + Roof Liv Increase= m Loads ( t: 1-4=-70, 8-9	png-Tie LUS24 (4 Girder) or equival t truss(es) to bac where hanger is in ess Girder: 3-10d ( es. er connection devi t to support conce up at 2-2-4, and n bottom chord. T n device(s) is the undard e (balanced): Lun 1.15 lb/ft) 4-5=-70, 5-6=-70 =-20	-10d Girder, 2-10d lent at 1-11-4 from the k face of bottom o contact with lumber. 0.148" x 3") toe-nails ce(s) shall be entrated load(s) 230 470 lb down and 165 The design/selection responsibility of
2.0E         BOT CHORD       2x4 SP No.2 *Ex         No.2, 12-5:2x4 S         WEBS       2x3 SP No.2 *Ex         BRACING       2x3 SP No.2 *Ex         TOP CHORD       Structural wood s         6-0-0 cc purlins, 2-0-0 cc purlins, 2-0-0 cc purlins, 6-0-0 cc bracing;         BOT CHORD       Rigid ceiling direct bracing, Except 6-0-0 cc bracing;         REACTIONS       (size) 8=0-3-Max Horiz 14=-13 Max Uplift 8=-416 Max Grav 8=136	2-21893/615,	<ul> <li>(0.131"x3") r</li> <li>Top chords c</li> <li>oc, 2x4 - 1 rc</li> <li>Bottom chord</li> <li>O-9-0 oc, 2x</li> <li>Web connec</li> <li>2) All loads are</li> <li>except if nott</li> <li>CASE(S) sec</li> <li>provided to c</li> <li>unless other</li> <li>3) Unbalanced</li> <li>this design.</li> <li>4) Wind: ASCE</li> <li>Vasd=91mpl</li> <li>Ke=1.00; Ca</li> <li>exterior zone</li> <li>Interior (1) 5:</li> <li>16-4-13, Intel</li> <li>left and right</li> </ul>	hails as follows: connected as follows: 2x3 ow at 0-9-0 oc. ds connected as follows: 2 ds connected as follows: 2 s - 1 row at 0-9-0 oc. ted as follows: 2x3 - 1 row considered equally applie ed as front (F) or back (B) ction. Ply to ply connection distribute only loads noted wise indicated. roof live loads have been 7-16; Vult=115mph (3-see n; TCDL=6.0psf; BCDL=6. t. II; Exp C; Enclosed; MV a and C-C Exterior(2E) 0-1	- 1 row at 2x4 - 1 row w at 0-9-0 c ed to all plie face in the ns have be as (F) or ( considered cond gust) 0.0psf; h=35 WFRS (env 1-4 to 5-1-2 R) 9-3-15 to 8 zone; car ft and right	at bc. es, b LOAD en B), d for 5ft; elope) 4, b tillever	Truss, left end chord. (2) Fill all r 13) "NAILE per ND 14) Hanger provide lb dowr lb up at of such others. (1) Dead Plate Unifor Ver 5-1 Conce	Single Ply to connect ail holes v D" indicate S guidelini (s) or othe d sufficient and 80 lb 9-3-15 of connection <b>(E(S)</b> Stat + Roof Liv increase= m Loads ( tt: 1-4=-70, 2=-20, 8-9 entrated Lo	png-Tie LUS24 (4 Girder) or equival t truss(es) to bac vhere hanger is in es Girder: 3-10d ( es. or connection devi t to support conce oup at 2-2-4, and n bottom chord. T n device(s) is the andard e (balanced): Lun 1.15 lb/ft) 4-5=-70, 5-6=-70 =-20 bads (lb)	-10d Girder, 2-10d lent at 1-11-4 from the k face of bottom o contact with lumber. 0.148" x 3") toe-nails ce(s) shall be entrated load(s) 230 470 lb down and 165 The design/selection responsibility of nber Increase=1.15,

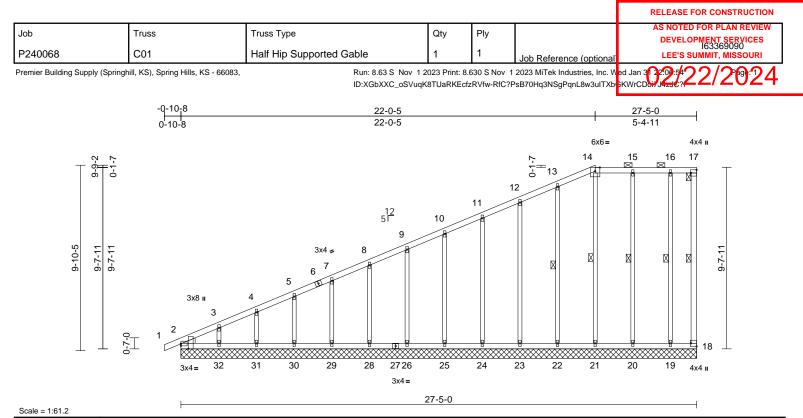


- DOL=1.60
- 5) Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom 6)
- chord live load nonconcurrent with any other live loads. 7) All bearings are assumed to be SP No.2 crushing
- capacity of 565 psi. Provide mechanical connection (by others) of truss to 8) bearing plate capable of withstanding 404 lb uplift at joint 14 and 416 lb uplift at joint 8.
- 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.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.





 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 besign value for use only with with twit even connectors. This design is based only upon parameters shown, and is for an individual building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer. 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/TPI 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)



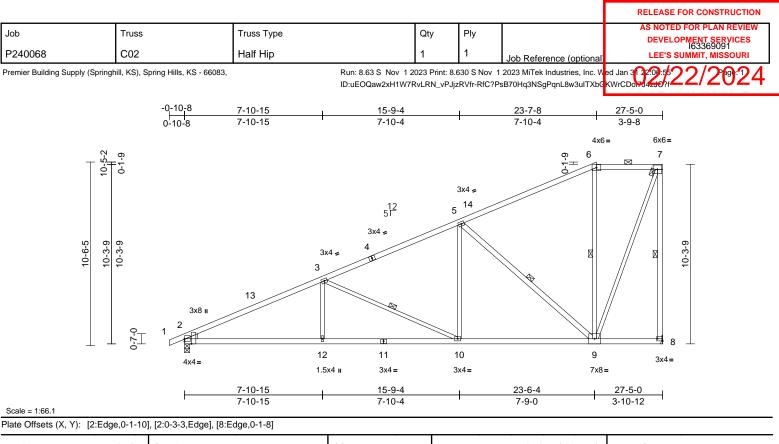
# Plate Offsets (X, Y): [2:Edge,0-1-6], [2:0-3-3,Edge], [17:Edge,0-3-8], [18:Edge,0-3-8]

	,,,,,): [ <u>_</u> uge,e : e]	, [_::: :: :::::::::::::::::::::::::::::		[.0.2490,0									
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/7	PI2014	CSI TC BC WB Matrix-S	0.80 0.38 0.21	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.01	(loc) - - 18	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 160 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS WEDGE BRACING TOP CHORD BOT CHORD WEBS	2x4 SP No.2	TOP dor BOT	$\begin{array}{llllllllllllllllllllllllllllllllllll$					<ol> <li>7) Gable studs spaced at 2-0-0 oc.</li> <li>8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.</li> <li>9) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.</li> <li>10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 18, 51 lb uplift at joint 21, 52 lb uplift at joint 22, 55 lb uplift at joint 23, 54 lb uplift at joint 24, 54 lb uplift at joint 25, 54 lb uplift at joint 26, 54 lb uplift at joint 28, 54 lb uplift at joint 29, 54 lb uplift at joint 30, 54 lb uplift at joint 31, 97 lb uplift at joint 32, 58 lb uplift at joint 20 and 59 lb uplift at joint 19.</li> <li>11) This truss is designed in accordance with the 2018</li> </ol>					
REACTIONS	TONS (size) $15-20, 16-19$ 2=27-5-0, 18=27-5-0, 19=27-5-0, 20=27-5-0, 21=27-5-0, 22=27-5-0, 23=27-5-0, 24=27-5-0, 26=27-5-0, 26=27-5-0, 26=27-5-0, 28=27-5-0, 28=27-5-0, 30=27-5-0, 31=27-5-0, 32=27-5-0			S	14-21=-133/135, 13-22=-147/99,       11 / Inits it duss is designed in accordance with a contracter with a contractional Residential Code sections R: R802.10.2 and referenced standard ANSI         10-25=-140/89, 9-26=-140/89, 8-28=-140/89,       12:0 Graphical purlin representation does not cord the orientation of the purlin along the to bottom chord.         16-19=-195/188       LOAD CASE(S)       Standard						ions R502.11.1 and d ANSI/TPI 1. s not depict the size		
	Max Horiz 2=438 (L Max Uplift 18=-25 (l 20=-58 (l 22=-52 (l 24=-54 (l 29=-54 (l 31=-54 (l	1) ( ), 1) ), 2) ( ), 1) ), 1 ), 1	<ul> <li>NOTES</li> <li>1) Unbalanced roof live loads have been considered for this design.</li> <li>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 4-0-5,</li> </ul>							k	THE OF I	MISSOL	
	Max Grav 2=216 (L 19=153 ( 21=167 ( 23=179 ( 25=180 ( 28=180 ( 30=180 (	C 20), 18=43 (LC 1), LC 26), 20=196 (LC 2 LC 1), 22=187 (LC 1), LC 1), 24=180 (LC 1), LC 1), 26=180 (LC 1), LC 1), 29=180 (LC 1), LC 1), 31=179 (LC 1),	6), f 3) (	27-3-4 zone vertical left orces & M DOL=1.60 p Truss desigonly. For s see Standa	or(2N) 4-0-5 to 22-0-5, Corner(3E) 22-0-5 to a zone; cantilever left and right exposed; end al left and right exposed; C-C for members and & MWFRS for reactions shown; Lumber 1.60 plate grip DOL=1.60 designed for wind loads in the plane of the truss For studs exposed to wind (normal to the face), tandard Industry Gable End Details as applicable,						THE REAL PROPERTY IN	NATHA FO PE-2022	id Heb
FORCES	32=184 (LC 1) (Ib) - Maximum Compression/Maximum Tension			Provide ade	It qualified building designer as per ANSI/TPI 1. adequate drainage to prevent water ponding. s are 1.5x4 MT20 unless otherwise indicated.						L ENGL		

6) Gable requires continuous bottom chord bearing. AL DISTON February 6,2024



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 colleges 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/TPI1 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)



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	0.89	Vert(LL)	-0.12	2-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.28	2-12	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 148 lb	FT = 20%

LUMBER	
TOP CHORD	2x4 SP No.2 *Except* 1-4:2x4 SP 1650F 1.5E
BOT CHORD	2x4 SP No.2
WEBS	2x3 SPF No.2 *Except* 7-8:2x4 SP 1650F
	1.5E, 9-5:2x4 SP No.2
WEDGE	Left: 2x4 SP No.2
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	2-2-0 oc purlins, except end verticals, and
	2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 7-8-11 oc
	bracing.
WEBS	1 Row at midpt 7-8, 6-9, 5-9, 3-10
REACTIONS	(size) 2=0-3-8, 8= Mechanical
REACTIONS	(size) 2=0-3-8, 8= Mechanical Max Horiz 2=468 (LC 11)
REACTIONS	()
REACTIONS	Max Horiz 2=468 (LC 11)
REACTIONS	Max Horiz         2=468 (LC 11)           Max Uplift         2=-246 (LC 12), 8=-243 (LC 12)           Max Grav         2=1293 (LC 1), 8=1219 (LC 1)
	Max Horiz 2=468 (LC 11) Max Uplift 2=-246 (LC 12), 8=-243 (LC 12)
	Max Horiz 2=468 (LC 11) Max Uplift 2=-246 (LC 12), 8=-243 (LC 12) Max Grav 2=1293 (LC 1), 8=1219 (LC 1) (Ib) - Maximum Compression/Maximum
FORCES	Max Horiz 2=468 (LC 11) Max Uplift 2=-246 (LC 12), 8=-243 (LC 12) Max Grav 2=1293 (LC 1), 8=1219 (LC 1) (lb) - Maximum Compression/Maximum Tension
FORCES	Max Horiz 2=468 (LC 11) Max Uplift 2=-246 (LC 12), 8=-243 (LC 12) Max Grav 2=1293 (LC 1), 8=1219 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-2=0/6, 2-3=-2330/404, 3-5=-1461/291,
FORCES	Max Horiz 2=468 (LC 11) Max Uplift 2=-246 (LC 12), 8=-243 (LC 12) Max Grav 2=1293 (LC 1), 8=1219 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-2=0/6, 2-3=-2330/404, 3-5=-1461/291, 5-6=-562/240, 6-7=-440/255, 7-8=-1197/289
FORCES	Max Horiz 2=468 (LC 11) Max Uplift 2=-246 (LC 12), 8=-243 (LC 12) Max Grav 2=1293 (LC 1), 8=1219 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-2=0/6, 2-3=-2330/404, 3-5=-1461/291, 5-6=-562/240, 6-7=-440/255, 7-8=-1197/289 2-12=-572/2026, 10-12=-572/2026,
FORCES TOP CHORD BOT CHORD	Max Horiz 2=468 (LC 11) Max Uplift 2=-246 (LC 12), 8=-243 (LC 12) Max Grav 2=1293 (LC 1), 8=1219 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-2=0/6, 2-3=-2330/404, 3-5=-1461/291, 5-6=-562/240, 6-7=-440/255, 7-8=-1197/289 2-12=-572/2026, 10-12=-572/2026, 9-10=-420/1252, 8-9=-189/207
FORCES TOP CHORD BOT CHORD	Max Horiz 2=468 (LC 11) Max Uplift 2=-246 (LC 12), 8=-243 (LC 12) Max Grav 2=1293 (LC 1), 8=1219 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-2=0/6, 2-3=-2330/404, 3-5=-1461/291, 5-6=-562/240, 6-7=-440/255, 7-8=-1197/289 2-12=-572/2026, 10-12=-572/2026, 9-10=-420/1252, 8-9=-189/207 6-9=-232/243, 7-9=-308/1174,

NOTES
1) Unbalanced roof live loads have been considered for

BCDL

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 23-7-8, Exterior(2E) 23-7-8 to 27-3-4 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
- This truss has been designed to a 10.0 ps bottom chord live load nonconcurrent with any other live loads.
   Bearings are assumed to be: Joint 2 SP No.2 crushing capacity of 565 psi.
- 6) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 243 lb uplift at joint 8 and 246 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.
- 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





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 **ANSUTPIT Quality Criteria, and DSE-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)

							RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type		Qty	Ply		AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES
P240068	C03	Half Hip		1	1	Job Reference (optional	DEVELOPMENT SERVICES 163369092 LEE'S SUMMIT, MISSOURI
Premier Building Supply (	Springhill, KS), Spring Hills, KS	5 - 66083,				1 2023 MiTek Industries, Inc. V PsB70Hq3NSgPqnL8w3uITXb	
		-0-10-8 7-9-12 0-10-8 7-9-12	+ <u>10-5-8 + 13-</u> 2-7-12 + 2-11	5-4 1  -12 5	<u>9-3-6</u> -10-2		<u>-5-0</u> 2-5
	-9 -7						4x6= 9
	<u></u> <u></u> <u></u>						
				10	7	5x8 =	
				5 <sup>12</sup>	18	ŧ III	
	စု စ		4.0	1.5x4 <b>n</b>			
	11-4-7 10-11-9 9-11-9		4x6 = 3x4 = 5				<b>10-11-9</b>
			4		/ 🛛		10
		17 🦯					
		3					
			15	13			
	$\top$ $9$ -	4x4=	3x4 II 7	x8=	1	12 11	4x8=
		5x5 ≠		3х4 <b>п</b>	3	x4= 4x4=	
		1.5x4 <b>u</b>					
		4x12=					
		<u>2-3-8</u> 7-9-1 2-3-8 5-6-4	12 13-4-0 4 5-6-4		<u>9-3-6</u> -11-6	<u>+ 25-1-7</u> <u>+ 27-</u> 5-10-2 2-3	<u>5-0</u> 3-9
Scale = 1:78.3	[3:0-10-14,Edge], [3:0-1-3,0			)-4-12]			
				-			1
<b>.oading</b> TCLL (roof)	(psf) Spacing 25.0 Plate Grip	2-0-0 DOL 1.15	CSI TC	0.90 Ver		in (loc) l/defl L/d 0.29 3-15 >999 240	PLATES         GRIP           MT20         244/190

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	0.90	Vert(LL)	-0.29	3-15	>999	240	MT20	244/190
	10.0	Lumber DOL	1.15			0.57	Vert(CT)	-0.52	3-15	>629	180		
	0.0	Rep Stress Incr	YES		WB	0.86	Horz(CT)	0.29	10	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 191 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD WEBS	0.0 10.0 2x4 SP No.2 *Excep 2.0E 2x4 SP No.2 *Excep No.2, 3-14:2x6 SP 2 2x3 SPF No.2 *Exces SP No.2 Structural wood she 2-2-0 oc purlins, ex 2-0 oc purlins (6-C Rigid ceiling directly bracing. 1 Row at midpt (size) 2=0-3-8, Max Horiz 2=502 (LI Max Uplift 2=-244 (L Max Grav 2=1294 (I (lb) - Maximum Com Tension 1-2=0/12, 2-3=-798/ 4-6=-1986/406, 6-7- 7-8=-382/239, 8-9=- 2-16=-4/10, 3-16=-1 14-15=-864/3059, 12- 11-12=-335/866, 10 4-15=0/393, 4-14=- 7-14=-398/1372, 8- 7-12=-7/173, 12-14= 7-11=-1101/338, 8-	Rep Stress Incr Code ot* 1-5:2x6 SP 2400F t* 16-3,6-13:2x3 SPF 2400F 2.0E apt* 9-10,10-8,11-7:2: athing directly applie cept end verticals, ar )-0 max.): 8-9. r applied or 10-0-0 oc 9-10, 4-14, 8-10, 7-1 7-11 10= Mechanical C 9) C 12), 10=-276 (LC -1 C 1), 10=1219 (LC 1 npression/Maximum 159, 3-4=-3272/660, -1941/506, -202/220, 9-10=-127/ 0/82, 3-15=-864/3051 3-14=0/100, 13=-16/95, -11=-193/312 1443/416, 10=-1177/315, -325/784, 11=-278/964	YES IRC201 2) - - - - - - - - - - - - - - - - - -	Wind: ASCE Vasd=91mpl Ke=1.00; Ca exterior zone Interior (1) 4 27-3-4 zone; vertical left a forces & MW DOL=1.60 pl Provide adee This truss ha chord live loz Bearings are capacity of 5 Refer to gird Provide mec bearing plate joint 10 and 3 This truss is International R802.10.2 a Graphical pu	7-16; Vult=115mp 7; TCDL=6.0psf; B t. II; Exp C; Enclose and C-C Exterior 1-8 to 25-2-11, Ex- cantilever left and nd right exposed; FRS for reactions ate grip DOL=1.60 juate drainage to j s been designed fad nonconcurrent assumed to be: J 65 psi. er(s) for truss to tr hanical connection capable of withst 244 lb uplift at join designed in accor Residential Code and referenced star rlin representation tion of the purlin a I.	0.86 cDL=6.( cd; MW (2E) -0-1 (terior(2E) right ex C-C for n shown; ) prevent v or a 10.0 (with any oint 2 SF uss conrr (by oth anding 2 t 2. dance w sections dard AN does no	Horz(CT) ond gust) Jpsf; h=35ft; FRS (envelop 0-8 to 4-1-8, E) 25-2-11 to posed ; end nembers and Lumber water ponding 0 psf bottom other live loar P No.2 crushin etit live loar P No.2 crushin the closs. ers) of truss to 76 lb uplift at ith the 2018 R502.11.1 a ISJ/TPI 1. ot depict the s	0.29 be) g. ds. ng o	3-15 10		n/a	Weight: 191 Ib STATE OF M STATE OF M NATHA FO PE-2022	MISSOLA MIEL NIEL

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/TPI1 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)



February 6,2024

										RELEASE FOR CONSTRUCTION
Job	Truss		Truss Type		C	ty	Ply			AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES
P240068	C04		Half Hip		1		1	Job Reference (optiona	al	DEVELOPMENT SERVICES 163369093 LEE'S SUMMIT, MISSOURI
Premier Building Supply	y (Springhill, KS), Spring Hills,	KS - 66083,						1 2023 MiTek Industries, Inc. B70Hq3NSgPqnL8w3uITXbG	Wed Jan 3	
		-0-10-8 	7-9-12 7-9-12	<u>12-0-1</u> 4-2-15		<u>20-0-</u> 6-7-		<u>26-9-14</u> 27 6-8-15 0	7-5-0 ⊣ -7-2	
									HS 12x18	
	-6							o 8	9	
	11-0-7 0 11-7-9 11- 0 10-7-9 0-	2	16 3	3x4 = 4	5 <sup>12</sup> 1.5x4 # 4x6 = 5 6	*			11-7-9	
		4x4=		14 1.5x4 <b>॥</b>	12				₩ 10 ⊥ 4x12 <b>॥</b>	
			6x6 II		3x4 <b>I</b>			3x4=		
			1.5x4 <b>I</b>							
			4x8=							

2-3-8 7-9-12	7-9-12 13-4-0	20-0-15	27-5-0
2-3-8 5-6-4	5-6-4 5-6-4	6-8-15	7-4-1

Scale = 1:81.1

TCLL (roof) TCDL BCLL BCDL	25.0 10.0	Plate Grip DOL	1.15		TC	0.00							
BCLL		L L L L L L L L L L L L L L L L L L L			-	0.93	Vert(LL)	-0.35	3-14	>922	240	MT20	244/190
		Lumber DOL	1.15		BC	0.84	Vert(CT)	-0.65	3-14	>499	180	M18AHS	186/179
BCDL	0.0	Rep Stress Incr	YES		WB	0.70	Horz(CT)	0.37	10	n/a	n/a		
	10.0	Code	IRC2018	3/TPI2014	Matrix-S							Weight: 179 lb	FT = 20%
UMBER FOP CHORD BOT CHORD WEBS BRACING FOP CHORD	1.5E, 10-7,10-8:2x4 Structural wood shea	t* 15-3,6-12:2x3 SPF 650F 1.5E pt* 9-10:2x4 SP 1650 SP No.2 athing directly applied cept end verticals, and	)F I or d 2) 3)	Vasd=91mph Ke=1.00; Ca exterior zone Interior (1) 4. 27-3-4 zone; vertical left a forces & MW DOL=1.60 pl Provide adec All plates are	7-16; Vult=115i a; TCDL=6.0ps/fi. I; Exp C; Enc and C-C Exteri 1-8 to 26-9-14, cantilever left a nd right expose FRS for reaction ate grip DOL=1 juate drainage t MT20 plates un	BCDL=6.( losed; MW or(2E) -0-1 Exterior(2E nd right ex d;C-C for n ns shown; .60 o prevent v hless other	Desf; h=35ft; FRS (envelo 0-8 to 4-1-8, 2) 26-9-14 to posed ; end nembers and Lumber vater pondin wise indicate	g.					
1	Except: 7-3-0 oc bracing: 9-1 Rigid ceiling directly bracing, Except: 7-11-9 oc bracing: 3: 8-0-15 oc bracing: 1: 1 Row at midpt	10 applied or 10-0-0 oc -14 3-14. 9-10, 4-13, 7-13, 7-10 (0= Mechanical C 9) C 12), 10=-311 (LC 1 .C 1), 10=1219 (LC 1)	0 8) 2)	chord live loa Bearings are capacity of 5 Refer to gird Provide meci bearing plate 10 and 238 II This truss is International R802.10.2 ar Graphical pu or the orienta	er(s) for truss to nanical connect capable of with o uplift at joint 2 designed in acc Residential Coo do referenced si rlin representati tion of the purli	nt with any : Joint 2 SF truss conr ion (by oth astanding 3 ordance w de sections candard AN on does no	other live loa P No.2 crushi ections. ers) of truss i 11 lb uplift a th the 2018 R502.11.1 a ISI/TPI 1.	ing to t joint and				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	202
TOP CHORD	1-2=0/12, 2-3=-821/ 4-6=-1976/391, 6-7=			bottom chorc DAD CASE(S)							Å	STATE OF M	MISSOL P
BOT CHORD	2-15=-3/7, 3-15=-9/7 13-14=-797/2985, 12 6-13=-303/204, 11-1 10-11=-289/795	2-13=0/109,									D/	A Renie	Fin
WEBS	4-14=0/273, 4-13=-1 11-13=-277/740, 7-1 7-11=0/250, 7-10=-1	3=-415/1402,									A A	PE-20220	

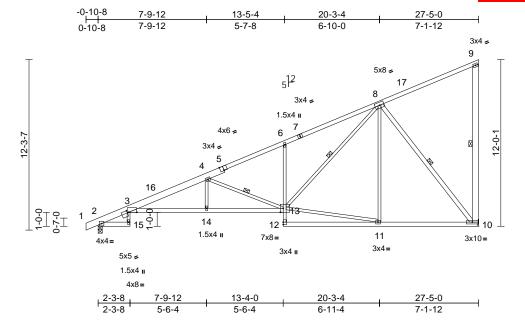
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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/TPI1 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) February 6,2024



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
505	11035	Truss Type	Giy	i iy		DEVELOPMENT SERVICES 163369094
P240068	C05	Monopitch	4	1	Job Reference (optional	
Premier Building Supply	v (Springhill KS) Spring Hills k	<s -="" 66083<="" td=""><td>Run: 8 63 S Nov 1 2023 Print: 8</td><td>3 630 S Nov</td><td>1 2023 MiTek Industries Inc. W</td><td></td></s>	Run: 8 63 S Nov 1 2023 Print: 8	3 630 S Nov	1 2023 MiTek Industries Inc. W	

ii, KS), Spring F igi

ID:v4z6t2GPhSkPZfUArs7P?czRVWW-RfC?PsB70Hq3NSgPqnL8w3uITXbCxWrCDor64zse7t



#### Plate Offsets (X, Y): [3:0-6-15,Edge], [3:0-1-3,0-2-1], [5:0-3-0,Edge], [13:0-2-8,Edge]

													-
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.92	Vert(LL)	-0.36	3-14	>902	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.85	Vert(CT)	-0.67	3-14	>488	180		
BCLL	0.0	Rep Stress Incr	YES		WB	0.68	Horz(CT)	0.38	10	n/a	n/a		FT 000/
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S			-				Weight: 164 lb	FT = 20%
LUMBER			1)		7-16; Vult=115m								
TOP CHORD	2x4 SP No.2 *Excep 2.0E	ot* 1-5:2x6 SP 2400F			h; TCDL=6.0psf; E t. II; Exp C; Enclo		• • •	pe)					
BOT CHORD	2x4 SP No.2 *Excep No.2, 3-13:2x4 SP 1			and C-C Exterior -1-8 to 27-2-4 zon									
WEBS	2x3 SPF No.2 *Exce		nd vertical left and	right exp	osed;C-C for	r							
BRACING	10-8:2x4 SP No.2				d forces & MWFR .=1.60 plate grip I			1;					
TOP CHORD	Structural wood she	athing directly applie	d or 2)	This truss ha	s been designed	for a 10.	0 psf bottom						
	2-2-0 oc purlins, ex		2)		ad nonconcurrent								
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc	; 3)	capacity of 5	assumed to be:	Joint 2 S	NO.2 Crushi	ing					
	bracing, Except:		4)		er(s) for truss to ti	russ coni	nections						
	7-7-14 oc bracing: 3 7-9-8 oc bracing: 13		5)		hanical connectio			to					
WEBS	0	9-10, 4-13, 8-13, 8-1	10		e capable of withs								
REACTIONS		10= Mechanical			235 lb uplift at joir								
	Max Horiz 2=546 (L0		6)		designed in accor								
	Max Uplift 2=-235 (L	,	12)		Residential Code			and					
	Max Grav 2=1291 (L	<i>,,</i>	1)		nd referenced sta	ndard Ar	ISI/TPL1.						
FORCES	(lb) - Maximum Com Tension	pression/Maximum	, To	DAD CASE(S)	Standard								
TOP CHORD	1-2=0/12, 2-3=-831/												
	4-6=-1958/382, 6-8= 8-9=-252/216, 9-10=											000	TO
BOT CHORD												TATE OF M	Alson
	13-14=-857/2899, 12	,	,								5	8 TE	1000
	6-13=-342/216, 11-1										A	15/	Ne
	10-11=-310/769										H		
WEBS	4-14=0/277, 4-13=-1	,								•	N	I I FO	X
	11-13=-297/706, 8-1										n/n		
	8-11=0/251, 8-10=-1	1217/373									X/	All	1 Thate
NOTES											MM	TALIA BAANA	

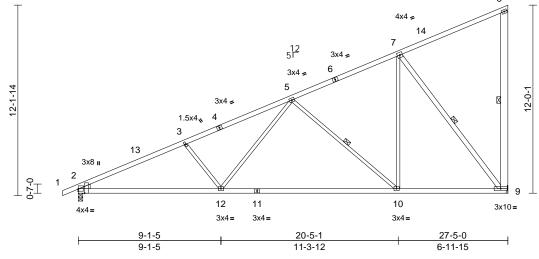
NOTES



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/TPI1 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)



								RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type		Qty	Ply			AS NOTED FOR PLAN REVIEW
P240068	C06	Monopitch		1	1	Job Refe	rence (optional	DEVELOPMENT SERVICES 163369095 LEE'S SUMMIT, MISSOURI
Premier Building Supply	y (Springhill, KS), Spring Hills, KS	- 66083,						ed Jan 312:09:5622/210:24
	-1-0-0    1-0-0	6-10-2 6-10-2	<u>13-7-10</u> 6-9-7		0-5-1 6-9-7		27-5-0 6-11-15	
								3x4 ≠
	Т					4x4 =	_	8



#### Plate Offsets (X, Y): [2:Edge,0-1-10], [2:0-3-3,Edge]

Scale = 1:73.5

	X, 1). [2.2090,0 1 10	], [2:0 0 0,20g0]										
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	0.72	Vert(LL)	-0.31	10-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.94	Vert(CT)	-0.66	10-12	>491	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.06	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2	014 Matrix-S							Weight: 147 lb	FT = 20%
LUMBER			4) Ref	er to girder(s) for truss to	o truss conr	ections.						
TOP CHORD	2x4 SP No.2			vide mechanical connect			)					
BOT CHORD	2x4 SP 1650F 1.5E	*Except* 11-9:2x4 S		ring plate capable of wit		21 lb uplift at						
	No.2 joint 9 and 240 lb uplift at joint 2.											
WEBS		2x3 SPF No.2 *Except* 8-9:2x6 SPF No.2, 6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and										
WEDGE	9-7:2x4 SP No.2			2.10.2 and referenced s			ia					
WEDGE	Left: 2x4 SP No.2				stanuaru An	131/1711.						
	o			ASE(S) Standard								
TOP CHORD	Structural wood she 2-7-11 oc purlins, e		ed or									
BOT CHORD	Rigid ceiling directly											
	bracing.											
WEBS		8-9, 5-10, 7-9										
REACTIONS		9= Mechanical										
	Max Horiz 2=545 (LC											
	Max Uplift 2=-240 (L		12)									
	Max Grav 2=1299 (L											
FORCES	(lb) - Maximum Com		,									
	Tension											
TOP CHORD	1-2=0/10, 2-3=-2343	8/403, 3-5=-2057/37	6,									
	5-7=-906/265, 7-8=-	247/217, 8-9=-201/1	153									
BOT CHORD	2-12=-627/2046, 10-	-12=-469/1399,										
	9-10=-300/756											m
WEBS	3-12=-388/253, 5-12		0/050								POFI	ALL ALL
	5-10=-856/319, 7-10	)=-99/762, 7-9=-122	0/358								TATE OF I	IISS A
NOTES		<i>(</i> <b>1</b> ) )								A		N.S
	CE 7-16; Vult=115mph									A	S NATHA	NIEL CA
	nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose		20)							4	FO	
	one and C-C Exterior(2		pe)							7	1 LA	
	4-0-0 to 27-2-4 zone;		iaht							<b>Ø</b> /1	THAN	Ail
	end vertical left and right									XL	XI Kassi	JAN UN
	and forces & MWFRS									14 3	y y were M	BER

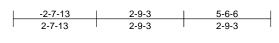
- exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 2) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads. Bearings are assumed to be: Joint 2 SP 1650F 1.5E crushing capacity of 565 psi. 3)



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 college 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/TPI1 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)

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
505	11035	Truss Type	Giy	i iy		DEVELOPMENT SERVICES 163369096
P240068	CJ01	Diagonal Hip Girder	1	1	Job Reference (optional	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 22,09:57 22/2 10:00 ID:06fCfkbglaExMBFPa2ewU3zRh2c-RfC?PsB70Hq3NSgPqnL8w3uITXbGi WrCDoi 942,504



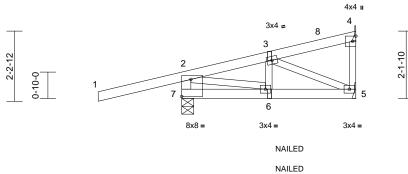






5-6-6

2-9-3



2-9-3

2-9-3

Scale = 1:36.6

# Plate Offsets (X, Y): [7:Edge,0-6-8]

	(, .). [sgs,s s s]												
Loading TCLL (roof) TCDL	(psf) 25.0 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15		CSI TC BC	0.93 0.09	<b>DEFL</b> Vert(LL) Vert(CT)	in -0.01 -0.01	(loc) 6 6	l/defl >999 >999	L/d 240 180	PLATES MT20	<b>GRIP</b> 197/144
BCLL BCDL	0.0 10.0	Rep Stress Incr Code	NO IRC20	18/TPI2014	WB Matrix-P	0.12	Horz(CT)	0.00	4	n/a	n/a	Weight: 27 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x3 SPF No.2 *Exce Structural wood she 5-6-6 oc purlins, ex Rigid ceiling directly bracing.	, athing directly applie cept end verticals. applied or 10-0-0 or anical, 5= Mechanica 9) 2 8), 7=-205 (LC 8)	- ed or <sup>8</sup> c <sup>g</sup> al, <b>L</b> 1	<ul> <li>Internationa R802.10.2 a</li> <li>Gap betweed diagonal or</li> <li>"NAILED" in per NDS gu</li> <li>In the LOAE of the truss</li> <li>CAD CASE(S)</li> <li>Dead + Ro Plate Incre Uniform Lo</li> </ul>	CASE(S) section are noted as from Standard pof Live (balanced ase=1.15	de sections candard AN nord bearir I not excee S-10d (0.14 on, loads a th (F) or ba d): Lumber	R502.11.1 a NSI/TPI 1. ang and first ed 0.500in. 8" x 3") toe- oplied to the ck (B).	-nails face					
FORCES	(lb) - Maximum Com Tension												
TOP CHORD	2-7=-463/589, 1-2=0 3-4=-59/41, 4-5=0/0												
BOT CHORD WEBS	6-7=-230/92, 5-6=-1 2-6=0/484, 3-6=-46/												
Vasd=91n Ke=1.00; exterior zc Exterior(2 exposed ; members	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Corner (3 R) 4-5-1 to 5-5-2 zone end vertical left and ri and forces & MWFRS OL =1 60 plate grip DC	DL=6.0psf; h=35ft; d; MWFRS (envelop ) -2-7-13 to 4-5-1, ; cantilever left and r ght exposed;C-C for for reactions shown	right									STATE OF J	MISSOUR

- Lumber DOL=1.60 plate grip DOL=1.60 2) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads. Bearings are assumed to be: , Joint 7 SP No.2 crushing 3)
- capacity of 565 psi.

- Refer to girder(s) for truss to truss connections. 4) Provide mechanical connection (by others) of truss to 5)
- bearing plate capable of withstanding 205 lb uplift at joint 7 and 46 lb uplift at joint 4.



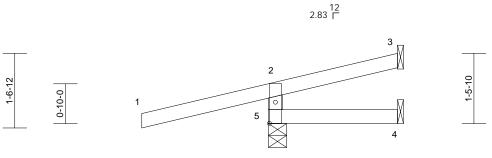


 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value for use only with with twit even connectors. This design is based only upon parameters shown, and is for an individual building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer. 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/TPI 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)

						RELEASE FOR CONSTRUCTION	
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW	
305	11035	Truss Type	Giy	I IV		DEVELOPMENT SERVICES 163369097	
P240068	CJ02	Jack-Open	1	1	Job Reference (optional		
Premier Building Supply (Springh	remier Building Supply (Springhill, KS), Spring Hills, KS - 66083, ID:7yMrgl8qFvSKpLL6M3y0x3zRh3C-RfC?PsB70Hq3NSgPqnL8w3ulTXbC						

 -2-7-13
 2-8-7

 2-7-13
 2-8-7



MT18HS 3x10 ॥

	2-8-7	
Scale = 1:24.1		
Plate Offsets (X, Y): [5:0-5-5,0-1-8]		

	(, .). [e.e e e,e . e]			_	-							
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	0.83	Vert(LL)	-0.01	4-5	>999	240	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.01	4-5	>999	180		210,000
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	. 3	n/a	n/a	1	
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R	0.00		0.01	Ū	1.00		Weight: 13 lb	FT = 20%
-						•						
LUMBER				s designed in acc								
TOP CHORD				al Residential Co			and					
BOT CHORD	2x4 SP No.2			and referenced s	tandard Ar	NSI/TPI 1.						
WEBS	2x4 SP No.2		LOAD CASE(S	<ol> <li>Standard</li> </ol>								
BRACING												
TOP CHORD	Structural wood she	0 7 11	ed or									
	2-8-7 oc purlins, ex											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	c									
	bracing.											
REACTIONS		anical, 4= Mechanica	al,									
	5=0-4-9 Max Horiz 5=54 (LC	0)										
	Max Uplift 3=-16 (LC	,										
	5=-214 (L	,, ,, ,,										
	Max Grav 3=13 (LC		418									
	(LC 1)	.), (20 0), 0										
FORCES	(lb) - Maximum Con	npression/Maximum										
	Tension											
TOP CHORD	2-5=-357/545, 1-2=	0/45, 2-3=-37/15										
BOT CHORD	4-5=0/0											
NOTES												
1) Wind: ASC	CE 7-16; Vult=115mph	(3-second gust)										
	nph; TCDL=6.0psf; BC											11h
	Cat. II; Exp C; Enclose										OF I	MISSO
	one and C-C Corner (3		ft							5	TATEOF	NISS W
	exposed ; end vertical									A	T. N.	NSY
	C-C for members and t		ſ							A	S NATHA	NIEL CN
DOL=1.60	shown; Lumber DOL=	1.60 plate grip							-	a.	FO	X
	, has been designed fo	r a 10.0 pef bottom								Y/	Lip	
	load nonconcurrent w		ds							<b>N</b> <sup>1</sup>		
	are assumed to be: , J									V.	KKassia	
capacity o			5						· /	Y S		BER
4) Refer to gi	irder(s) for truss to tru	iss connections.								N.	O PE-2022	042259
	echanical connection									V V	The last	158
	ate capable of withsta									6	N'S'SIG	ENUS
joint 5, 16	Ib uplift at joint 3 and	11 lb uplift at joint 4.									CSSIONA	L
											-un	
											Februa	ry 6,2024

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 buckling of trusses and truss systems, see ANSI/TPI1 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)

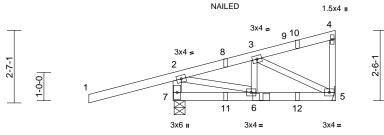


						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
305	11035	Truss Type	Quy	I IY		DEVELOPMENT SERVICES 163369098
P240068	CJ03	Diagonal Hip Girder	2	1	Job Reference (optional	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 2015 22/2 9:24 ID:rmfclsiltYi0nAivQfmGgGzRh1B-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWt 200i7J429







NAILED



NAILED

Scale = 1:41.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	0.00	6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	5-6	>999	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.09	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	4 Matrix-P							Weight: 30 lb	FT = 20%
LUMBER			7) Use Sin	npson Strong-Tie TJ	C37 (4 nail	90-150) or						
TOP CHORD	2x4 SP 2400F 2.0E			ent at 3-1-12 from the								
BOT CHORD	2x4 SP 2400F 2.0E			back face of bottom		/ed 51.3 deg.	to					
WEBS	2x3 SPF No.2 *Exce	ept* 7-2:2x4 SP No.2		t, sloping 0.0 deg. do								
BRACING				ail holes where hang								
TOP CHORD				D" indicates Girder: 3	3-10d (0.14	8" x 3") toe-r	nails					
	5-9-6 oc purlins, ex		10)	S guidelines. (s) or other connections (second second s	on dovico(c	) chall bo						
BOT CHORD		applied or 6-0-0 oc		d sufficient to suppor			1 lb					
	bracing.			nd 73 lb up at 3-1-12								
REACTIONS	( )	anical, 7=0-4-11		n of such connection			.9					
	Max Horiz 7=115 (LC	,	respons	ibility of others.	( )							
	Max Uplift 5=-42 (LC		11) In the L	OAD CASE(S) section	on, loads a	oplied to the f	ace					
	Max Grav 5=157 (L0			uss are noted as from	nt (F) or ba	ck (B).						
FORCES	(lb) - Maximum Com	npression/Maximum	LOAD CAS	E(S) Standard								
TOP CHORD	Tension 2-7=-465/596, 1-2=0	VEE 0 0 171/07		+ Roof Live (balance	d): Lumber	Increase=1.7	15,					
TOP CHORD	3-4=-75/49, 4-5=-11			ncrease=1.15								
BOT CHORD				m Loads (lb/ft)								
WEBS	2-6=-53/349, 3-6=-5			:: 1-2=-70, 2-4=-70, 5	5-7=-20							
NOTES		,		ntrated Loads (lb)	11 07 (E)	10 0 (F)						
	CE 7-16; Vult=115mph	(3-second qust)	Ven	:: 6=-3 (B), 8=48 (F),	П=27 (F),	12=9 (F)						
	mph; TCDL=6.0psf; BC											
	Cat. II; Exp C; Enclose		pe)									
	one and C-C Corner (3		, ,									~
	2R) 4-0-13 to 5-8-2 zon										Som	1000
	osed ; end vertical left a										TATE OF	MISS
	pers and forces & MWF		own;							4	9.20	N'OS
	DOL=1.60 plate grip DC									B	S NATH	ANIFL XP. V
	s has been designed fo e load nonconcurrent w		da							И	FC	
	are assumed to be: Jo									NA		
	capacity of 805 psi.	IIII 1 3F 2400F 2.0E	-							14		1 - 1-0
or usining	oupdoily 01 000 pol.											J 11 - 1

- 4) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to 5) bearing plate capable of withstanding 229 lb uplift at joint 7 and 42 lb uplift at joint 5. This truss is designed in accordance with the 2018
- 6) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

16023 Swingley Ridge Rd. Chesterfield MO 63017 314.434.1200 / MiTek-US.com

**MARBER** 

February 6,2024

PE-20220422

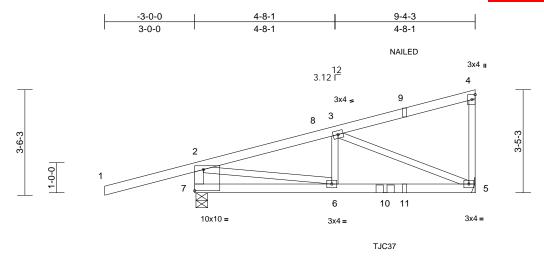
ESSIONAL ET

Com

 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 besign value for use only with with twit even connectors. This design is based only upon parameters shown, and is for an individual building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer. 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/TPI 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)

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11055	Thuss Type	Quy	гіу		DEVELOPMENT SERVICES 163369099
P240068	CJ04	Diagonal Hip Girder	1	1	Job Reference (optional	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20 5 22/2 2 1 10:2?Q5vUfEpJCbIZP7BpiKVQzRh1F-RfC?PsB70Hq3NSgPqnL8w3ulTXbGi WrCDoi 24269





Scale = 1:38.4

#### Plate Offsets (X, Y): [7:Edge,0-8-8]

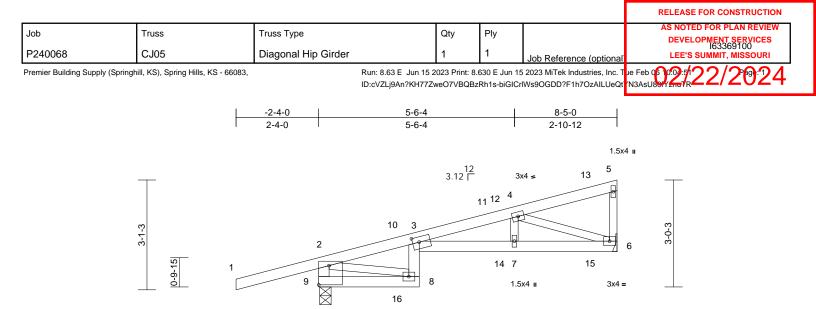
	x, i): [i:Edge,e e e]												
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.67 0.65 0.42	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in 0.04 -0.08 0.00	(loc) 5-6 5-6 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 45 lb	<b>GRIP</b> 197/144 FT = 20%
	2x4 SP 1650F 1.5E 2x4 SP No.2 2x3 SPF No.2 *Exce Structural wood shea 6-0-0 oc purlins, exx Rigid ceiling directly bracing. (size) 5= Mecha Max Horiz 7=158 (LC Max Uplift 5=-151 (LI Max Grav 5=515 (LC (lb) - Maximum Com Tension 2-7=-704/636, 1-2=0 3-4=-98/59, 4-5=-149 6-7=-179/265, 5-6=-4 2-6=-503/832, 3-6=0	Athing directly applie cept end verticals. applied or 6-0-0 oc nical, 7=0-4-11 (2 9) (2 12), 7=-277 (LC 8) (2 12), 7=731 (LC 1) pression/Maximum (55, 2-3=-719/282, 9/144 438/652	ed or 8) 9) 10	International R802.10.2 a Use Simpso equivalent a to front face left, sloping ( Fill all nail he "NAILED" in per NDS gui ) In the LOAD of the truss a <b>DAD CASE(S)</b> Dead + Roo Plate Increa Uniform Lo Vert: 1-2 Concentrat	CASE(S) section are noted as front Standard of Live (balanced) ase=1.15	e sections indard AN 37 (4 nail fft end to skewed 5 r is in cor 10d (0.14 h, loads an (F) or ba ): Lumber 7=-20	R502.11.1 a (SI/TPI 1. 30-90) or connect truss 1.3 deg.to th tact with lum 8" x 3") toe- oplied to the ck (B). Increase=1.	s(es) le nber. nails face					
Vasd=91m Ke=1.00; 0 exterior zo	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BCl Cat. II; Exp C; Enclose one and C-C Corner (3) R) 4-0-13 to 9-2-15 zor	DL=6.0psf; h=35ft; d; MWFRS (envelop ) -3-0-0 to 4-0-13,	,									G E OF	MISS

- Exterior(2R) 4-0-13 to 9-2-15 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 2) chord live load nonconcurrent with any other live loads.
- 3) Bearings are assumed to be: Joint 7 SP No.2 crushing capacity of 565 psi.
- Refer to girder(s) for truss to truss connections. 4)
- Provide mechanical connection (by others) of truss to 5) bearing plate capable of withstanding 277 lb uplift at joint 7 and 151 lb uplift at joint 5.

 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 besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property 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 **ANS/TPH1 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)

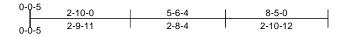






3x4 = 4x6 =

8x8 =



Scale = 1:32.5

Plate Offsets	(X, Y):	[3:0-2-4,0-1-12], [9:Edge,0-6-8]

	X, Y): [3:0-2-4,0-1-12]	], [9:Edge,0-6-8]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.66 0.65 0.25	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.19 -0.24 0.13	(loc) 8 3-7 6	l/defl >518 >416 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 37 lb	<b>GRIP</b> 197/144 FT = 20%
	Max Horiz 9=118 (LC Max Uplift 6=-145 (L	athing directly applie cept end verticals. applied or 7-0-6 oc echanical, 9=577/0-3 C 9) C 12), 9=-227 (LC 8)	ed or 7) 8-14	bearing plate joint 9 and 1 This truss is International R802.10.2 a Hanger(s) o provided suf down and 4 2-6-8, 22 lb and 79 lb up 7-7-15 on to 34 lb down a	chanical connectio e capable of withs: 45 lb uplift at joint designed in accor Residential Code nd referenced star other connection ficient to support ( b) bup at 2-2-9, 0 down and 69 lb up at 5-5-0, and 76 p chord, and 18 lb and 21 lb up at 5-	tanding 2 6. rdance w sections ndard AN device(s concentra b down at 5-1-4 lb down down at 1-4, and	127 /b uplift at 127 /b uplift at 127 /b uplift at 121/171 1. 121/171 1. 121/171 1. 121/171 121 121/171 121 121/17	t and 5 lb at lown at -8-4, t					
FORCES	(lb) - Maximum Com Tension	pression/Maximum			3 lb down and 14 design/selection o								
TOP CHORD	2-9=-551/547, 1-2=0 3-10=-128/48, 3-11= 11-12=-899/481, 4-1 4-13=-67/28, 5-13=-3	-935/476, 2=-887/484, 38/27, 5-6=-116/71		(s) is the res In the LOAD	ponsibility of othe CASE(S) section are noted as front	rs. , loads a	oplied to the						
BOT CHORD	3-14=-633/923, 7-14 7-15=-636/923, 6-15 9-16=-302/304, 8-16	i=-636/923,	1) 111	Plate Incre		: Lumber	Increase=1.	15,					
WEBS	4-7=0/153, 4-6=-959	,		Uniform Lo Vert: 1-2	ads (10/11) =-70, 2-3=-70, 3-5	5=-70. 3-	6=-20. 8-9=-2	20					
Vasd=91m Ke=1.00; ( exterior zo Exterior zo for membe Lumber D( 2) This truss chord live 3) Bearings a capacity of	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose ne and C-C Corner (3) R) 4-8-14 to 8-3-12 zor sed ; end vertical left a ers and forces & MWFf OL=1.60 plate grip DO has been designed for load nonconcurrent wi are assumed to be: Joi f 565 psi. irder(s) for truss to trus	DL=6.0psf; h=35ft; d; MWFRS (envelop) -2-4-0 to 4-8-14, ne; cantilever left and nd right exposed;C-C- RS for reactions sho L=1.60 a 10.0 psf bottom th any other live load nt 9 SP No.2 crushir	d C wn; ds.	Vert: 4=	ed Loads (Ib) 5 (B), 7=-17 (B), 1 F), 14=-34 (F), 15		), 12=-10 (F),					PE-2022	BER 2042259

February 6,2024



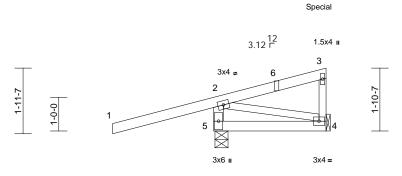


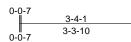
						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11055	Truss Type	Qly	гу		DEVELOPMENT SERVICES 163369101
P240068	CJ06	Diagonal Hip Girder	1	1	Job Reference (optional	
		-	-	-		

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 200:58 22/2 10:149 ID:n49fulvLPGOOs1fDYobn\_LzRh2D-RfC?PsB70Hq3NSgPqnL8w3ulTXbGr WrCDoi7942001

NAILED







#### Scale = 1:34.2

		1			1							1	
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.57	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.06	Vert(CT)	-0.01	4-5	>999	180		
BCLL	0.0	Rep Stress Incr	NO		WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018	3/TPI2014	Matrix-P							Weight: 19 lb	FT = 20%
LUMBER			7)	"NAILED" in	dicates Girder: 3	-10d (0.14	8" x 3") toe-	nails					
TOP CHORD	2x4 SP 2400F 2.0E		,	per NDS gui	delines.	·	,						
BOT CHORD	2x4 SP 2400F 2.0E		8)		r other connectio								
WEBS	2x3 SPF No.2 *Exce	ept* 5-2:2x4 SP No.2			ficient to support								
BRACING					) lb up at 3-2-13			sign/					
TOP CHORD	Structural wood she	athing directly applie	ed or		such connection	device(s)	s the						
	3-4-1 oc purlins, ex		0)	responsibility	CASE(S) sectio	n loodo or	plied to the	faaa					
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 or	e (a)		are noted as fron			lace					
	bracing.		10	DAD CASE(S)			SR (D).						
	( )	anical, 5=0-4-11	1)	• • •	of Live (balanced	1). Lumber	Increase-1	15					
	Max Horiz 5=100 (LC	,	''	Plate Incre			mercase=1.	10,					
	Max Uplift 4=-67 (LC			Uniform Lo									
	Max Grav 4=108 (LC	,, ( )			=-70, 2-3=-70, 4	-5=-20							
FORCES	(lb) - Maximum Com	pression/Maximum		Concentrat	ed Loads (lb)								
	Tension			Vert: 3=-	1 (F), 6=48 (B)								
TOP CHORD	2-5=-420/628, 1-2=0 3-4=-179/98	0/55, 2-3=-63/72,											
BOT CHORD	4-5=-196/66												
WEBS	2-4=-43/179												
	2 1- 10/110												
NOTES		(2 accord suct)											
) vvinu: ASC	CE 7-16; Vult=115mph	(S-Second qust)											

- 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) 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.
- Bearings are assumed to be: Joint 5 SP 2400F 2.0E crushing capacity of 805 psi.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 232 lb uplift at joint 5 and 67 lb uplift at joint 4.
  6) This truss is designed in accordance with the 2018
- 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.



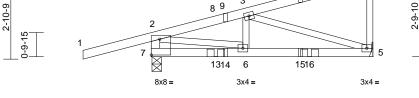
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

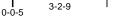
						RELEASE FOR CONSTRUCTION
lab	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
Job	Truss	Truss Type	Quy	FIY		DEVELOPMENT SERVICES 163369102
P240068	CJ07	Diagonal Hip Girder	1	1	Job Reference (optional	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 2200:59 ID:R6tmrarDbjm5mGnFIF?cHHzRh2I-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi75-2569









Scale = 1:39.4

# Plate Offsets (X, Y): [7:Edge,0-6-8]

	•												
Loading TCLL (roof) TCDL	(psf) 25.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15		CSI TC BC	0.68 0.28	<b>DEFL</b> Vert(LL) Vert(CT)	in -0.02 -0.04	(loc) 5-6 5-6	l/defl >999 >999	L/d 240 180	PLATES MT20	<b>GRIP</b> 197/144
BCLL	0.0	Rep Stress Incr	NO		WB	0.28	Horz(CT)	-0.04	5-6 5	>999 n/a	n/a		
BCDL	10.0	Code		8/TPI2014	Matrix-P	0.21	11012(01)	0.00	0	n/a	Π/α	Weight: 36 lb	FT = 20%
BOT CHORD         2x4 Si           WEBS         2x3 Si           BRACING         Struct           TOP CHORD         Struct           BOT CHORD         Rigid           bott         (size)           Max Hor         Max Hor           Max Gr         TOP CHORD           FORCES         (b) - N           TOP CHORD         1-2=0.           4-5=-7         4-5=-7           BOT CHORD         6-7=-2           WEBS         3-6=00           NOTES         1)           1)         Wind: ASCE 7-16;           Vasd=91mph; TCI         Ke=1.00; Cat. II; E           exterior zone and         Exterior(2R) 5-8-1           right exposed ; en         for members and f           Lumber DU=1.60(2)         This truss has bee           chord live load noi         Kad noi	ural wood she oc purlins, ex. S= Mecha oriz 7=126 (LC av 5=315 (LC av 5=315 (LC av 5=315 (LC av 5=315 (LC Maximum Com /44, 2-3=-452/ (143/150, 2-7=- 288/129, 5-6=- /143, 3-5=-423 (Vult=115mph DL=6.0psf; BC cxp C; Enclose C-C Corner (3 to 8-4-15 zond d vertical left a forces & MWFF 0) plate grip DC plate grip DC n designed for nconcurrent wi	2 12), 7=-221 (LC 8) C 1), 7=519 (LC 1) apression/Maximum 220, 3-4=-97/69, 496/536 362/403 3/343, 2-6=-90/415 (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop ) -1-4-13 to 5-8-1, e; cantilever left and and right exposed;C-0 RS for reactions sho	ed or 8) 9) 1( 1 1 1) 1 ( 1) 0 ( 1) ( 1) ( 1) ( 1)	International R802.10.2 a Use Simpso equivalent s from the left face of botto Fill all nail h "NAILED" in per NDS gui D) Hanger(s) o provided suf Ib down and Ib up at 6-4 such connect I) In the LOAD of the truss a <b>OAD CASE(S)</b> Dead + Ro Plate Incre Uniform Lo Vert: 1-2 Concentrat	bles where hange dicates Girder: 3- delines. r other connection ficient to support 127 lb up at 3-1 -3 on top chord. tition device(s) is CASE(S) section are noted as from Standard of Live (balanced ase=1.15 ads (lb/ft) (=-70, 2-4=-70, 5- ed Loads (lb) 36 (B), 11=-23 (F	e sections andard AN 37 (4 nail c max. sta onnect tru er is in cor 10d (0.14 n device(s concentra -12, and 3 The desig the respon n, loads ag t (F) or ba	R502.11.1 a ISI/TPI 1. 90-150) or rtring at 3-1-1 ss(es) to back tact with lum 8" x 3") toe- ) shall be tted load(s) 1 7 lb down ar n/selection o nsibility of oth oplied to the ck (B). Increase=1.	2 ck naber. nails 146 nd 91 of hers. face 15,				STATE OF I	MISSOUR ANIEL

- 3) Bearings are assumed to be: Joint 7 SP No.2 crushing capacity of 565 psi.
- 4) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 5) 5 and 221 lb uplift at joint 7.

 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 besign value for use only with with twit even connectors. This design is based only upon parameters shown, and is for an individual building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer. 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/TPI 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)

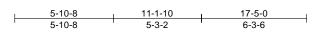


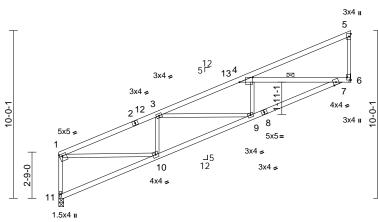
PE-202204

22/2024

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11055	Truss Type	Qiy	гіу		DEVELOPMENT SERVICES 163369103
P240068	D01	Jack-Closed	7	1	Job Reference (optional	
						00/00/000/

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 200:55 22/29 24 ID:oAmLuHDDreUYpiJQ1ni?htzRViC-RfC?PsB70Hq3NSgPqnL8w3uITXbGK/wrCDoi794zeer





12-3-11

			12-0-1			
0-3-8	5-10-8	11-1-10	11-6-8	16-11-0	17-5-0	
0-3-8	5-7-0	5-3-2	0-4-14 0-9-3	4-7-5	0-6-0	

Scale = 1:68.7

#### Plate Offsets (X, Y): [1:0-2-0,0-1-8], [4:0-9-6,Edge], [6:Edge,0-2-8]

Fiale Olisels	(X, Y): [1:0-2-0,0-1-8],	[4:0-9-6,Edge], [6:E	Edge,0-2-8j									
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI201	CSI TC BC WB 4 Matrix-S	0.62 0.55 0.42	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.09 -0.16 0.04	(loc) 4-7 4-7 6	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 82 lb	<b>GRIP</b> 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD 1 Row at midp REACTIONS	2x4 SP No.2 2x3 SPF No.2 Structural wood she 3-7-7 oc purlins, ex Rigid ceiling directly bracing. Except: ot 4-7	cept end verticals. applied or 7-5-2 oc inical, 11=0-3-8 .C 9) C 12), 11=-88 (LC 1	ed or R802.1 LOAD CAS	at joint(s) 11 conside NSI/TPI 1 angle to gr r should verify capac mechanical connecti plate capable of with 250 lb uplift at joint 6. ss is designed in accr ional Residential Cod 0.2 and referenced st <b>E(S)</b> Standard	ain formula ity of beari on (by oth standing 8 ordance w le sections	a. Building ng surface. ers) of truss to 8 lb uplift at jo ith the 2018 5 R502.11.1 at	o pint					
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-11=-734/217, 1-3=		105									
BOT CHORD	7-9=-595/1480, 4-7=	0=-631/1372, -1294/468, 6-7=-71,	/88									
WEBS	3-10=-421/200, 1-10 4-9=0/215	)=-273/1210, 3-9=-2	1/93,									
Vasd=91r Ke=1.00; exterior zc Interior (1 right expo for memb Lumber D 2) This truss chord live 3) Bearings capacity c	CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 ) 5-1-4 to 17-3-12 zone used; end vertical left a ers and forces & MWFI OOL=1.60 plate grip DO OOL=1.60 plate grip DO Ioad nonconcurrent wi are assumed to be: Joi of 565 psi. girder(s) for truss to trus	DL=6.0psf; h=35ft; d; MWFRS (envelop E) 0-1-4 to 5-1-4, e; cantilever left and nd right exposed;C- RS for reactions sho L=1.60 r a 10.0 psf bottom th any other live loa nt 11 SP No.2 crush	-C own; ids.								S NATHA	Х ВЕН ОСТ 042259 20 Брибу СССС С С С СССС С С С С С С С С С С С



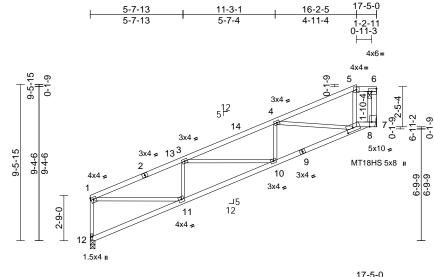
February 6,2024

314.434.1200 / MiTek-US.com

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/TPI1 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)

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty I	Plv		AS NOTED FOR PLAN REVIEW
300	11055	Truss Type	Qiy	гіу		DEVELOPMENT SERVICES 163369104
P240068	D02	Half Hip	1	1	Job Reference (optional)	

Run: 8.63 E Mar 9 2023 Print: 8.630 E Jun 15 2023 MiTek Industries, Inc. The Feb 0 10:1058 ID:oAmLuHDDreUYpiJQ1ni?htzRViC-TXiWOz8DNh7IG?F0oQ8WAjqMHzJFsS1cLTakwzmmm





Scale = 1:70.1

#### Plate Offsets (X, Y): [1:0-2-0,0-1-8], [6:Edge,0-2-0], [7:0-3-8,Edge], [8:0-4-11,0-2-4]

·					-								
Loading TCLL (roof)	(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15		CSI TC	0.76	DEFL Vert(LL)	in 0.09	(loc) 10-11	l/defl >999	L/d 240	PLATES MT20	<b>GRIP</b> 197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.68	Vert(CT)	-0.16		>999	180	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES		WB	0.63	Horz(CT)	0.06	7	n/a	n/a		211/100
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S		- (- )					Weight: 80 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x3 SPF No.2 *Exce Structural wood she 4-3-1 oc purlins, ex 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing.	athing directly applie cept end verticals, a -0 max.): 5-6. applied or 7-5-8 oc echanical, 12=773/0 .C 9)	7) ed or 8) nd 9) <sup>)-3-8</sup> 1(	chord live los Bearings are capacity of 5 Refer to gird Bearing at jo using ANSI/ designer sho Provide meo bearing plate 12 and 223 I )) This truss is International	er(s) for truss to tru- int(s) 12 considers TPI 1 angle to grain- ould verify capacity thanical connectior e capable of withste b uplift at joint 7. designed in accorr Residential Code	with any oint 12 \$ uss coni s paralle n formul r of bear n (by oth anding \$ dance w sections	other live loa SP No.2 crus I to grain valu a. Building ing surface. ers) of truss 04 lb uplift at ith the 2018 s R502.11.1 a	hing ue to joint					
FORCES	(lb) - Maximum Com		,		nd referenced star Irlin representation			size					
TOP CHORD	Tension 1-12=-733/216, 1-2= 2-13=-1309/349, 3-1 3-14=-1450/365, 4-1 4-5=-329/77, 5-6=-2	3=-1246/352, 4=-1314/388,		or the orient bottom chore DAD CASE(S)		along the	e top and/or						
BOT CHORD	,	11=-626/1352,											
WEBS	3-11=-436/205, 1-11 4-10=0/193, 5-8=-23											COM	Jan
NOTES												F. OF	MISS
<ol> <li>Unbalance this design</li> <li>Wind: ASC Vasd=91n Ke=1.00; exterior zc</li> </ol>	ed roof live loads have n. CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 ) 5-1-4 to 16-2-5, Exter	(3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop E) 0-1-4 to 5-1-4,	be)									STATE OF J	
zone; can	tilever left and right exp exposed;C-C for memb	osed; end vertical									A	PE-2022	BER 042259

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) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.

February 6,2024

ESSIONAL

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 **ANSITPTI 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)

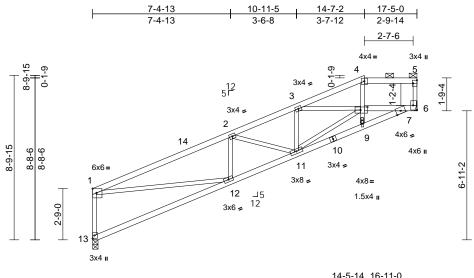


E

22/2024

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
505	11035	Truss Type	Quy	i iy		DEVELOPMENT SERVICES 163369105
P240068	D03	Half Hip	1	1	Job Reference (optional	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 31220:00 22/2 Pg 24 ID:HNKj5dErcxcPRsucaUDED4zRViB-RfC?PsB70Hq3NSgPqnL8w3uITXbG WrCDoi 104259?f



				14-5-14 16-11-0	
	0-3-8	7-4-13	10-11-5	12-11-10 14-7-2 17-5-0	
	0-3-8	7-1-5	3-6-8	2-0-4 1-6-4 2-3-14 0-6-0	
Scale = 1:61.9				0-1-4	

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

forces & MWFRS for reactions shown; Lumber

DOL=1.60 plate grip DOL=1.60

Sc

	(,, , ). [030,0 2	, <u>,</u> , , , , , , , , , , , , , , , , ,	- <b>J</b> - / -	-1,1,-	1	-							
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC20 <sup>7</sup>	8/TPI2014	CSI TC BC WB Matrix-S	0.68 0.52 0.46	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.11 -0.23 0.04	(loc) 12-13 12-13 6	l/defl >999 >899 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 82 lb	<b>GRIP</b> 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	No.2 2x4 SP No.2 2x3 SPF No.2 Structural wood shea 3-9-12 oc purlins, ei 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. (size) 6= Mecha Max Horiz 13=255 (L Max Uplift 6=-188 (L Max Grav 6=774 (LC	athing directly applie xcept end verticals, a -0 max.): 4-5. applied or 7-0-1 oc nical, 13=0-3-8 .C 9) C 12), 13=-99 (LC 1) C 1), 13=774 (LC 1)	9 4 5 6 6 7 and 8 9 2)	<ul> <li>This truss ha chord live loo</li> <li>Bearings are capacity of 5</li> <li>Refer to gird</li> <li>Bearing at jousing ANSI/ designer shot</li> <li>Provide mec bearing plate 13 and 188 l</li> <li>This truss is International R802.10.2 a</li> </ul>	quate drainage to as been designed ad nonconcurrent e assumed to be: (65 psi. er(s) for truss to t init(s) 13 consider TPI 1 angle to gra puld verify capacit chanical connectic e capable of withs b uplift at joint 6. designed in acco Residential Code ar dreferenced sta urlin representatio	for a 10. with any Joint 13 s russ com rs paralle in formul cy of bear on (by oth tanding s rdance we e sections indard Al	D psf bottom other live loc SP No.2 crus nections. I to grain value a. Building ing surface. ers) of truss 19 lb uplift at ith the 2018 5 R502.11.1 at USI/TPI 1.	ads. hing ue to joint					
FORCES	(lb) - Maximum Com Tension	pression/Maximum		or the orienta	ation of the purlin d.	along the	e top and/or						
TOP CHORD	1-13=-728/228, 1-2= 2-3=-1414/445, 3-4= 5-6=-131/61		ь6, L	OAD CASE(S)	Standard								
BOT CHORD		=-707/1715,											
WEBS	8-9=0/122, 4-8=-109 1-12=-294/1348, 2-1 3-11=-74/279, 3-8=-	1=-177/113,										TEOF	MISSO
this design 2) Wind: ASC Vasd=91n Ke=1.00; exterior zc Interior (1) 17-3-12 zc	ed roof live loads have n. CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 ) 5-1-4 to 14-7-2, Exter one; cantilever left and ft and right exposed;C-	(3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop E) 0-1-4 to 5-1-4, ior(2E) 14-7-2 to right exposed ; end									The second s	S NATHA	ANIEL R X MER 042259



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 oulgase 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/TPI1 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)

16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

							RELEASE FOR CONSTRUCTION
1	Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
	300	11035	Truss Type	Quy	i iy		DEVELOPMENT SERVICES 163369106
	P240068	D04	Half Hip	1	1	Job Reference (optional	

0-1-9

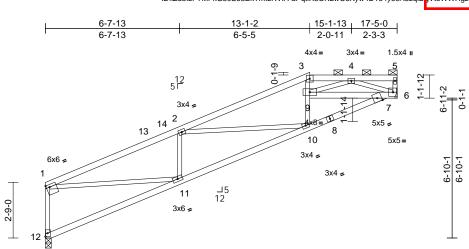
8-2-

8-0-14 8-0-14

3x4 u

8-2-7

Run: 8.63 E Jun 15 2023 Print: 8.630 E Jun 15 2023 MiTek Industries, Inc. The Feb 06 06.9:24 22/26 24 ID:IZu5IzFTMFkG30So8BkTmIzRViA-aPqtiX3OKLw05Kyw4D1e4ye9A5zqlD;Vt6WWNgzmee



			14-1-12	
0-3-8	6-7-13	12-11-14	13-1-2	16-8-8 <sup>17-5-0</sup>
0-3-8	6-4-5	6-4-1	0-1-4	2-6-12 0-8-8
			1-0-10	

Scale = 1:57.1

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

												-	
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		тс	0.67	Vert(LL)		10-11	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.53	Vert(CT)	-0.14	11-12	>999	180		
BCLL	0.0	Rep Stress Incr	YES		WB	0.46	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TP	2014	Matrix-S							Weight: 81 lb	FT = 20%
LUMBER					s been designed f			da					
TOP CHORD					d nonconcurrent v assumed to be: Jo								
BOT CHORD			,	acity of 56			SP INU.2 CIUSI	iirig					
WEBS	2x3 SPF No.2				er(s) for truss to tru		actions						
BRACING	<b>.</b>		7) Po		nt(s) 12 considers			<u>~</u>					
TOP CHORD			eu u í		PI 1 angle to grain			6					
	3-5-13 oc purlins, e				uld verify capacity								
	2-0-0 oc purlins (5-6		0) D=		nanical connection			0					
BOT CHORD	5	applied or 7-1-9 oc			capable of withsta								
DEACTIONS	bracing.	lachanical 10 774/	ioir		59 lb uplift at joint								
REACTIONS	· · · ·	lechanical, 12=774/0	9) IN		designed in accord								
	Max Horiz 12=226 (I	,	10)		Residential Code			nd					
	Max Uplift 6=-159 (L		·		nd referenced stan								
FORCES	(Ib) - Maximum Con	npression/Maximum			rlin representation			ize					
TOP CHORD	Tension 1-12=-730/216, 1-13	2- 1561/422			tion of the purlin a	along the	e top and/or						
TOF CHORD	13-14=-1403/448, 2	,		tom chord									
	2-3=-1233/385, 3-4=	,	6/49 LOAD	CASE(S)	Standard								
	5-6=-87/46	- 1044/400, 4 0= 10	0/0,										
BOT CHORD		-11=-678/1511.											
	8-10=-469/1119, 7-8												
	7-9=-286/117, 6-7=-	-314/761											
WEBS	9-10=-27/295, 3-9=-	-1/226, 2-10=-321/22	23,										
	2-11=-385/206, 1-1	1=-301/1331,										COL	TON
	4-6=-650/265, 4-9=-	-131/303										A OF I	MISC
NOTES											1	TATE OF I	N'OS
1) Unbalanc	ed roof live loads have	been considered fo	r								8	NATHA	NIEL XA
this desig											R		
	CE 7-16; Vult=115mph										8	FO	
	mph; TCDL=6.0psf; BC										NV.		
	Cat. II; Exp C; Enclose		pe)								W		to the
	one and C-C Exterior(2										14	a vane	BERU MAC
	) 5-1-4 to 13-1-2, Exte										NA	PE-2022	042259
	one; cantilever left and										N	TIL-LULL	
	eft and right exposed;C· MWFRS for reactions s										Y	1990	I GN B
	0 plate grip DOL=1.60	SIGWI, LUIIDEI										CSSIONA	TENA
	dequate drainage to p	revent water ponding	n									COLO INA	A
o, i lovide a	acquate aramage to pr		9.										m C 0004

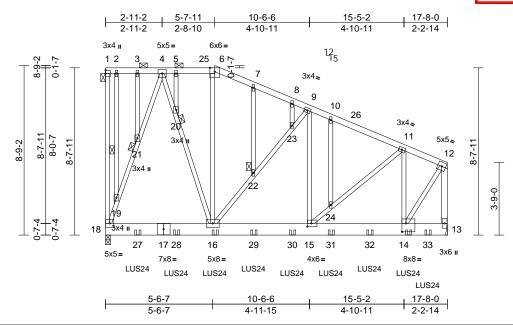
February 6,2024



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/TPI1 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)

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
005	11055		Quy	i iy		DEVELOPMENT SERVICES 163369107
P240068	D05	Half Hip Girder	1	3	Job Reference (optional	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:01/22/20:01/24/ ID:pSImS5Qlqsd7MJ6hWrV\_tSzRVhx-RfC?PsB70Hq3NSgPqnL8w3ulTXbGtWrCDoi 1942591



# Plate Offsets (X, Y): [14:0-2-8,0-5-4], [15:0-2-8,0-2-0]

Scale = 1:59.5

	., .,. [	],[	1													
Loading	(ps	i) Spacing	2-0-	-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	25.	0 Plate Grip I	DOL 1.1	5		тс	0.29	Vert(LL)	-0.03	15-16	>999	240	MT20	197/144		
TCDL	10.	0 Lumber DC	DL 1.1	5		BC	0.26	Vert(CT)	-0.05	15-16	>999	180				
BCLL	0.	0 Rep Stress	Incr NO			WB	0.37	Horz(CT)	0.01	13	n/a	n/a				
BCDL	10.	0 Code	IRC	2018/	TPI2014	Matrix-S	-	. ,					Weight: 421	lb FT = 20%		
LUMBER				NO	TES					13) Ref	er to air	der(s)	for truss to true	ss connections.		
TOP CHORD	2x4 SP No.2					be connected to	aether wi	th 10d								
BOT CHORD						ails as follows:	goulor m	an rou	<ol> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 952 lb uplift at</li> </ol>							
WEBS	2x3 SPF No.2 *E	vcent* 13-12.2v/	4 SP No 2			connected as follo	ows: 2x3	- 1 row at 0-9	-0	joint 13.						
OTHERS	2x3 SPF No.2	10 12.2A	4 01 110.2			ow at 0-9-0 oc.						s desig	ned in accorda	ance with the 2	018	
BRACING						ds connected as	follows: 2	x8 - 2 rows		15) 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.						
TOP CHORD	Structural wood	sheathing directly	ly applied or		staggered at	0-8-0 oc.										
		except end vert			Web connec	ted as follows: 2x	3 - 1 row	at 0-9-0 oc.						nodified. Buildir		
		(6-0-0 max.): 1-6				considered equa								erify that they a	are	
BOT CHORD		ectly applied or 10				ed as front (F) or			DAD				ended use of th			
	bracing.					ction. Ply to ply co								does not depict		
WEBS	1 Row at midpt	1-18			provided to distribute only loads noted as (F) or (B), or the orientation of the purlin along the top and/or										d/or	
JOINTS	1 Brace at Jt(s):	1,				erwise indicated. ed roof live loads have been considered for					bottom chord.					
	20, 21, 22					considered fo	18) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss) or equivalent spaced at 2-0-0 oc max. starting a									
REACTIONS	(size) 13= N	lechanical, 18=0-	-3-0, (req.													
	0-7-9)					r; TCDL=6.0psf;				1-8-0 from the left end to 16-8-0 to connect truss(es) to front face of bottom chord.						
	Max Horiz 18=-3								20)					s in contact with	h lumber	
	Max Uplift 13=-9			Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-1-4 to 5-1-4,							<ul><li>19) Fill all nail holes where hanger is in contact with lumber.</li><li>LOAD CASE(S) Standard</li></ul>					
	Max Grav 13=38	303 (LC 1), 18=14	B=14450 (LC 1) Interior (1) 5-1-4 to 5-7-11, Exterior(2R) 5-7-11 to 12-8-9,													
FORCES	(lb) - Maximum (	Compression/Max	ximum			2-8-9 to 17-6-4 zo				1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15						
	Tension					d ; end vertical le				Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-6=-70, 6-12=-70, 13-18=-20						
TOP CHORD	1-18=-130/134,		3=-160/174,		for members	and forces & MV	VFRS for	reactions sho	own;							
	3-4=-160/174, 4					=1.60 plate grip										
	5-6=-1705/593,					ned for wind load							TATE OF	de la		
	7-8=-1870/605,	,				ids exposed to w							A.F. OF	MISSY	<i>b</i>	
		, 10-11=-2759/75	,			d Industry Gable						4	A	00	N	
		8, 12-13=-3521/9				alified building de						H	NATI	HANIEL 📉	N.S	
BOT CHORD	16-18=-301/928	, 15-16=-697/248	31,			uate drainage to						B		FOX	5 2	
WEBS		5, 19-21=-2793/9	30			1.5x4 MT20 unl					-	B	<u> </u>		J T V	
WEBS		, 4-20=-794/2650				ully sheathed from						av	KT11	151	128	
		7, 6-16=-161/631				st lateral movem		nagonai web)				V I	Allan		Valo 1	
		8, 22-23=-1237/4				spaced at 2-0-0 t is been designed		0 pcf bottom				NN	K MAM	BER 🥖	MAG	
	9-23=-1243/483	,	,			ad nonconcurrent			ds			N	ON PE-202	22042259	ER.	
	15-24=-236/101	6, 11-24=-225/95	50,			Required bearing						Ø	The second	15	₹'A	
	11-14=-1202/40	2, 12-14=-880/32	245,		than input be		2.20 at jo					Y	A Ser	- JO!	A	
		20=-150/43, 3-21:				assumed to be:	Joint 18 S	SPF No.2					SION	IAL ES	7	
	7-22=-74/36, 8-2	23=-10/8, 10-24=-	-20/100			acity of 425 psi.							and the	martin		
					0.001									10 m ( C 0004	4	

February 6,2024

Rocas Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MITEk-US.com

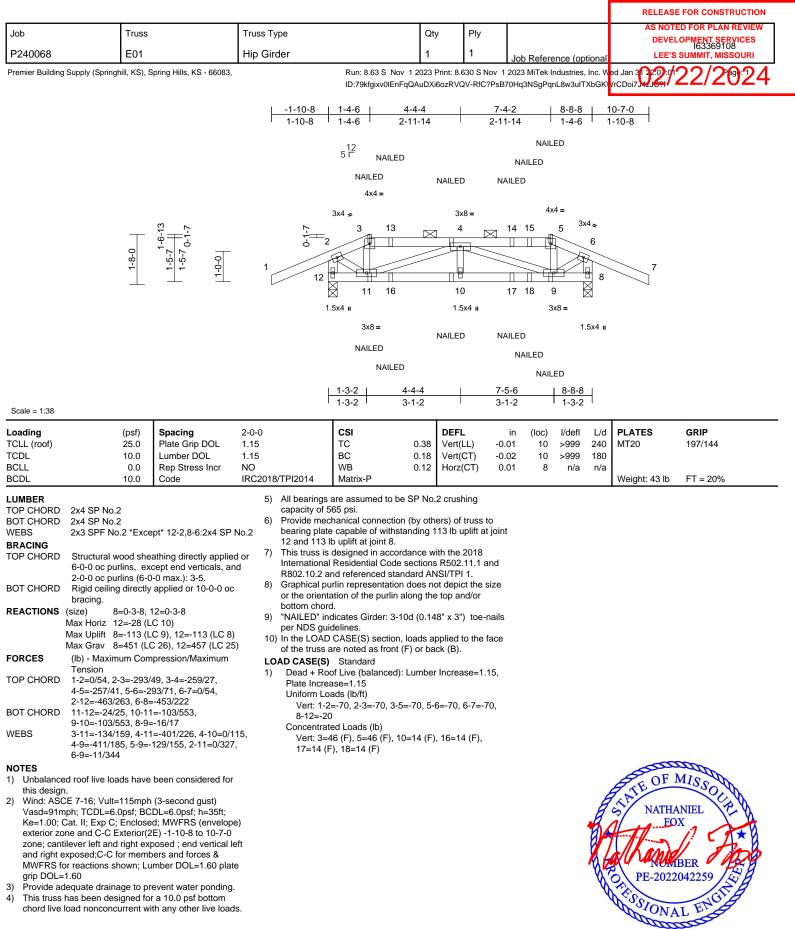
Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.	
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not	
a truss 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/TPI1 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tp	nst.org)
and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)	

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW DEVEL OPMENT SERVICES
P240068	D05	Half Hip Girder	1	3	Job Reference (optional	DEVELOPMENT SERVICES 163369107 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springh	hill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Nov 1 2 ID:pSImS5Qtqsd7MJ	2023 Print: 8.6 6hWrV_tSzF	530 S Nov 1 (Vhx-RfC?Ps)	2023 MiTek Industries, Inc. W B70Hq3NSgPqnL8w3uITXbGI	ed Jan 302:0:0122/210:24

Concentrated Loads (lb)

Vert: 18=-11100, 16=-621 (F), 14=-621 (F), 27=-619
(F), 28=-621 (F), 29=-621 (F), 30=-621 (F), 31=-621
(F), 32=-621 (F), 33=-622 (F)





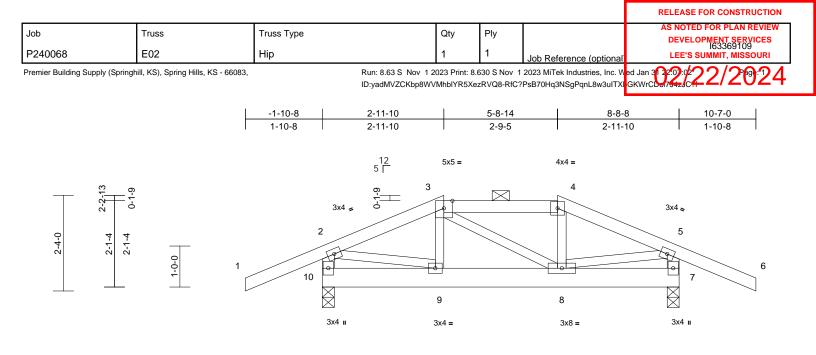
- Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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 trust 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/TPI1 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)



February 6,2024

E



2-10-6 2-11-13 2-10-6 Scale = 1:28.1		2-10-6	5-10-2	8-8-8
Scale = 1:28.1		2-10-6	2-11-13	2-10-6
	Scale = 1:28.1			

		i			•							•	
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		тс	0.33	Vert(LL)	-0.01	8-9	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.08	Vert(CT)	-0.01	8-9	>999	180		
BCLL	0.0	Rep Stress Incr	YES		WB	0.11	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-P							Weight: 46 lb	FT = 20%
LUMBER			6)	Provide med	hanical connectior	n (by oth	ers) of truss t	to					
TOP CHORD	2x4 SP No.2		-,		capable of withst								
BOT CHORD	2x6 SPF No.2				121 <sup>'</sup> lb uplift at join		•						
WEBS	2x3 SPF No.2 *Exce	ept* 10-2,7-5:2x4 SF	No.2 7)	This truss is	designed in accor	dance w	ith the 2018						
BRACING		•			Residential Code			and					
TOP CHORD	Structural wood she	athing directly appli	ed or		nd referenced star								
	6-0-0 oc purlins, ex	cept end verticals, a	ind 8)		rlin representation			size					
	2-0-0 oc purlins (6-0	-0 max.): 3-4.			ation of the purlin a	along the	e top and/or						
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	c .	bottom chore									
	bracing.		LO	DAD CASE(S)	Standard								
REACTIONS	(size) 7=0-3-8, 2												
	Max Horiz 10=-23 (L	,											
	Max Uplift 7=-121 (L	<i>,,</i>	,										
	Max Grav 7=520 (L0	C 1), 10=520 (LC 1)											
FORCES	(lb) - Maximum Com	pression/Maximum											
	Tension												
TOP CHORD	1-2=0/54, 2-3=-390/	, ,											
	4-5=-388/161, 5-6=0	)/54, 2-10=-492/334	,										
BOT CHORD	5-7=-490/332	1/242 7 0 44/45											
WEBS	9-10=-22/20, 8-9=-5 3-9=-21/58, 3-8=-21	,											
WEDS	2-9=-34/321, 5-8=-3												
NOTES	2-3	1/019											
	ed roof live loads have	been considered fo	r										
this design												and	alle
	CE 7-16; Vult=115mph	(3-second aust)										8 OF	ALCON NICON
	nph; TCDL=6.0psf; BC										9	BIE	10°0
	Cat. II; Exp C; Enclose		pe)								B	N	NSY
exterior zo	one and C-C Exterior(2	E) zone; cantilever	left								B	STATE OF I	NIEL YC V

reactions shown; Lumber DOL=1.60 plate grip Provide adequate drainage to prevent water ponding. 3)

and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for

- This truss has been designed for a 10.0 psf bottom 4)
- chord live load nonconcurrent with any other live loads. All bearings are assumed to be SPF No.2 crushing 5)
- capacity of 425 psi.

DOL=1.60

 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 besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property 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 **ANS/TPH1 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)

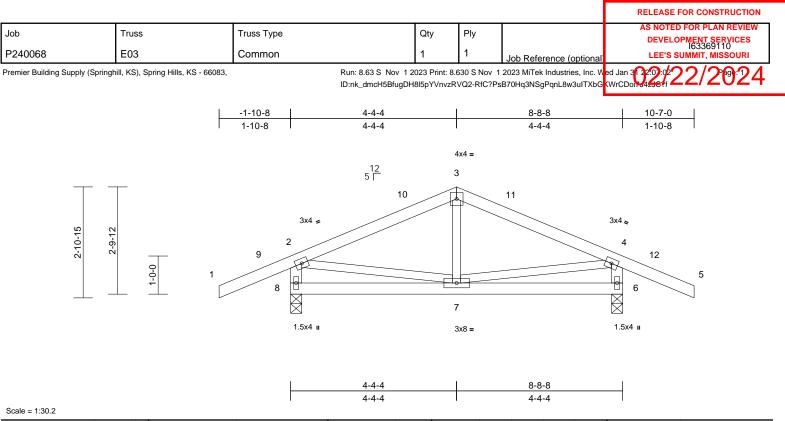


February 6,2024

ER

PE-2022042259

RSSIONAL ET



Scale = 1:30.2	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	0.31	Vert(LL)	-0.01	7-8	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.02	7-8	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P		. ,					Weight: 43 lb	FT = 20%
LUMBER			6) This truss	is designed in acc	ordance w	ith the 2018						
TOP CHORD	2x4 SP No.2		Internatio	nal Residential Coo	de sections	R502.11.1	and					
BOT CHORD	2x4 SP No.2		R802.10.2	2 and referenced st	tandard AN	ISI/TPI 1.						
WEBS	2x3 SPF No.2 *Exce	ept* 8-2,6-4:2x4 SP	No.2 LOAD CASE	S) Standard								
BRACING												
TOP CHORD	Structural wood she	athing directly applie	ed or									
	6-0-0 oc purlins, ex											
BOT CHORD		applied or 10-0-0 o	с									
	bracing.											
REACTIONS												
	Max Horiz 8=-24 (LC		(0)									
	Max Uplift 6=-113 (L		12)									
500050	Max Grav 6=520 (LC											
FORCES	(lb) - Maximum Corr Tension	pression/iviaximum										
TOP CHORD		174 3-4=-368/174										
	4-5=0/54, 2-8=-487/											
BOT CHORD	,	,										
WEBS	3-7=0/125, 2-7=-25/	280, 4-7=-25/280										
NOTES												
1) Unbalanc	ed roof live loads have	been considered fo	r									
this desig	jn.											
	CE 7-16; Vult=115mph											
	mph; TCDL=6.0psf; BC											an
	Cat. II; Exp C; Enclose one and C-C Exterior(2										THE OF	MIG
	) 3-1-8 to 4-4-4, Exterio									0	FE	USS W
	) 9-4-4 to 10-7-0 zone;									6	AN .	N.S.
	; end vertical left and right									8	SY NATHA	ANIEL Y Y
members	and forces & MWFRS	for reactions shown	1;						•	R	1 1 EO	X
	DOL=1.60 plate grip DC									a/	111	1 7 95 1
	s has been designed fo									M/	116	1 72
	e load nonconcurrent wi		ids.							MU	KY Van	KER MAR
<ol><li>All bearin</li></ol>	igs are assumed to be \$	SP No.2 crushing								103		

All bearings are assumed to be SP No.2 crushing 4)

capacity of 565 psi.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 113 lb uplift at joint 8 and 113 lb uplift at joint 6.



February 6,2024

G

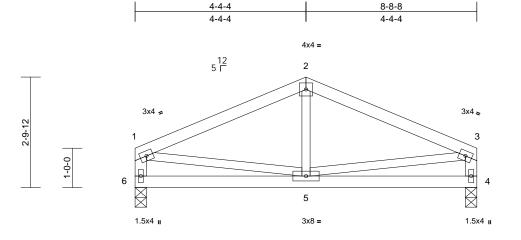
PE-2022042259

HESSIONAL ET

C

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11035	Truss Type	Qly	i iy		DEVELOPMENT SERVICES 163369111
P240068	E04	Common	1	1	Job Reference (optional	
			-	-		

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 2:09:08 22/2 10:09 24 ID:gVD8b\_KcFuO6iuRWKfdRxIzRVQ\_-RfC?PsB70Hq3NSgPqnL8w3uITXbC WrCDoFd4250 ff 2 2/2 10:02 4





			1	4-4-4		1	4-	4-4			1	
Scale = 1:29.4		i									•	
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	0.41	Vert(LL)	-0.01	5-6	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.02	5-6	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI20	014 Matrix-P							Weight: 37 lb	FT = 20%
LUMBER			6) This	truss is designed in acco	ordance w	ith the 2018						
TOP CHORD	2x4 SP No.2			national Residential Code			and					
BOT CHORD	2x4 SP No.2			.10.2 and referenced sta	andard AN	ISI/TPI 1.						
WEBS	2x3 SPF No.2 *Exce	ept* 6-1,4-3:2x4 SP	No.2 LOAD CA	ASE(S) Standard								
BRACING												
TOP CHORD	Structural wood she		ed or									
BOT CHORD	6-0-0 oc purlins, ex Rigid ceiling directly											
	bracing.											
REACTIONS	•	6=0-3-8										
	Max Horiz 6=-27 (LC	3)										
	Max Uplift 4=-58 (LC		)									
	Max Grav 4=379 (L0	C 1), 6=379 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
TOP CHORD	Tension 1-2=-405/193, 2-3=-	10E/20E 1 6- 24E/	0.0 <i>E</i>									
TOP CHORD	3-4=-345/212	405/205, 1-0=-345/2	225,									
BOT CHORD	5-6=-61/45, 4-5=-16	/17										
WEBS	2-5=-18/120, 1-5=-1	07/337, 3-5=-137/33	37									
NOTES												
,	ed roof live loads have	been considered fo	or									
this design	ո. CE 7-16; Vult=115mph	(2 accord such)										
	ph; TCDL=6.0psf; BC											
	Cat. II; Exp C; Enclose		ne)								STA	m
	one and C-C Exterior(2										F OF	MISS
and right e	exposed ; end vertical	left and right									TATE OF	~0.W
	C-C for members and f		r							A	NATHA	NILL X
	shown; Lumber DOL=	1.60 plate grip								A	S/ MAIL	
DOL=1.60		r a 10.0 pat hatta							•	120	FO	^
	has been designed fo load nonconcurrent wi		de							1	Ltt	
	ioau nonconcurrent wi									N/		MI Tak

- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 6 and 58 lb uplift at joint 4.

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/TPI1 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)



February 6,2024

AMAR

PE-2022042259

HESSIONAL ET

der

										RELEASE	FOR CONSTRUCTION	
Job	Truss		Truss Type		Qty	Ply					D FOR PLAN REVIEW	٦
P240068	E05		Common		1	1	Job Refere	ence (optio	onali		OPMENT SERVICES 163369112 SUMMIT, MISSOURI	
Premier Building	Supply (Springhill, KS), S	≩pring Hills, KS - 66083,		Run: 8.63 S Nov 1 ID:Oc5CFGBKYj6zy	2023 Print: FarLe8I3Ez	8.630 S Nov 1 zRViF-RfC?PsE	2023 MiTek lı	ndustries, Ir	nc. W	ed Jan 3 <b>1 22:0</b> :03 VrCDoi75423 <del>0?1</del>	22/2024	
		<u> </u>	4-4-4			8-5-6						
		I	4-4-4	I		4-1-2		I				
			10	4x4 =	:							
	<u> </u>		12 5 [	2								
			_									
	2	3x4 ≠	;			$\sim$		3x4 👟				
	2-9-12	1						3				
	0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	(FC)						347		1-0-0	 	
		6						6	4		<u>-</u>	
				5								
		1.5x4 🛛		3x8 =	I .			1.5x4	II			
			4-4-4 4-4-4			<u>8-5-6</u> 4-1-2						
Scale = 1:26			+-+-4			4-1-2						
Loading TCLL (roof)	(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15	CSI TC		: <b>FL</b> rt(LL) -0.	in (loc) .01 5-6		L/d 240	PLATES MT20	<b>GRIP</b> 197/144	
TCDL BCLL	10.0 0.0	Lumber DOL Rep Stress Incr	1.15 YES	BC (	0.15 Ve	rt(CT) -0.	.02 5-6 .00 4	>999	180 n/a	101120	101/111	
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P				185	142	Weight: 36 lb	FT = 20%	_
LUMBER TOP CHORD	2x4 SP No.2		LOAD CASE(S)	Standard								
BOT CHORD WEBS	2x4 SP No.2 2x3 SPF No.2 *Exce	ept* 6-1,4-3:2x4 SP No	0.2									
BRACING TOP CHORD		eathing directly applied	1 or									
BOT CHORD	6-0-0 oc purlins, ex Rigid ceiling directly bracing.	applied or 10-0-0 oc										
REACTIONS	•	anical, 6= Mechanical										
	Max Uplift 4=-55 (LC Max Grav 4=367 (LC	C 13), 6=-57 (LC 12)										
FORCES	(lb) - Maximum Com Tension											
TOP CHORD		-380/199, 1-6=-333/22	.2,									
BOT CHORD WEBS	5-6=-72/46, 4-5=-18 2-5=-26/110, 1-5=-1	8/19  01/316, 3-5=-139/319	)									
NOTES 1) Unbalance	ed roof live loads have	been considered for										
this design 2) Wind: ASC	n. CE 7-16; Vult=115mph	n (3-second gust)										
Ke=1.00; C	nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose	ed; MWFRS (envelope	<u>)</u>							STATE I	APPE	
and right e	exposed ; end vertical l		ft						4	TE OF M	MISS STA	
	C-C for members and f								И	NATHA	NIEL XP. VA	

DOL=1.603) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

reactions shown; Lumber DOL=1.60 plate grip

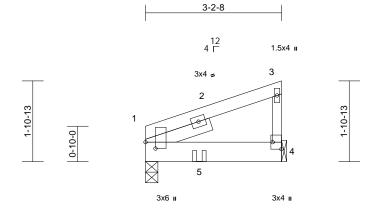
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 57 lb uplift at joint 6 and 55 lb uplift at joint 4.
   6) This truss is designed in accordance with the 2018
- 6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.





						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11035	Truss Type	Qly	i iy		DEVELOPMENT SERVICES I63369113
P240068	EG01	Jack-Closed Girder	1	1	Job Reference (optional	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 312:09:08 22/269:24 ID:K\_CzgxCb4KMhCYkDT3Bm8fzRViD-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDowJ4z30??



LUS24

3-2-8

Scale = 1:27.2 Plate Offsets (X, Y): [1:0-1-13,0-2-13], [4:Edge,0-2-8]

Plate Offsets (	(X, Y): [1:0-1-13,0-2-1	3], [4:Edge,0-2-8]			_							
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2018/TPI201	CSI TC BC WB 4 Matrix-P	0.28 0.28 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.01 0.00	(loc) 1-4 1-4 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 14 lb	<b>GRIP</b> 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD NOTES 1) Wind: ASG Vasd=91n Ke=1.00; ( exterior zc and right e exposed() reactions : DOL=1.60 2) This truss chord live 3) Bearings pi 1 and 67 ll 6) This truss Internation	2x4 SP No.2 2x6 SPF No.2 2x3 SPF No.2 Left 2x4 SP No.2	1-7-4 athing directly applie cept end verticals. applied or 10-0-0 or 4= Mechanical 9) 2 8), 4=-67 (LC 12) C 1), 4=282 (LC 1) pression/Maximum 9/163 (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop E) zone; cantilever l left and right orces & MWFRS for 1.60 plate grip r a 10.0 psf bottom th any other live loa- int 1 SPF No.2 crush ss connections. (by others) of truss to add b uplift at ju ance with the 2018 ections R502.11.1 a	7) Use Sir Truss, 3 left end chord. 8) Fill all r 9) In the L <b>OAD CAS</b> c 1) Dead Plate Unifor Ver Conce Ver be) left ds. ning	Industri Impson Strong-Tie LUS Single Ply Girder) or et to connect truss(es) ail holes where hang OAD CASE(S) sectio uss are noted as fron E(S) Standard + Roof Live (balanced ncrease=1.15 m Loads (lb/ft) t: 1-3=-70, 1-4=-20 ntrated Loads (lb) t: 5=-347 (F)	equivalent to front fac er is in cor on, loads a nt (F) or ba	at 1-3-4 from se of bottom ntact with lumi pplied to the f ck (B).	the ber. face			ha	STATE OF STATE	MISSOLAR ANIEL X BER 042259
1002.10.2	2 and referenced stand											m ( C 0004

February 6,2024

A chesterfield, MO 63017 314.434.1200 / MiTek-US.com

🔺 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/TP/1 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)

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		
P240068	G01	Roof Special Girder	1	1	Job Reference (optional	DEVELOPMENT SERVICES 163369114 LEE'S SUMMIT, MISSOURI
remier Building Supply (Spri	inghill, KS), Spring Hills, KS - 66083,				1 2023 MiTek Industries, Inc. W PsB70Hq3NSgPqnL8w3uITXbG	ed Jan 3 22:0:03 7 7 / 2 49:04
	<u>-1-10-8</u> <u>2-2-0</u> <u>1-10-8</u> 2-2-0	6-9-15 4-7-15	11-4-9 4-6-11		16-0-8         18-2-7           4-7-15         2-2-4	
		NAILED NAILED NAILE	ED NAILED	NAILED		4x4
$^{-15}$ $^{-13}$ $^{-12}$ $^{-12}$	12 5 F	4x4 = 3x10 =		3x4 =	6x6 =	7x8 = 1.5x4 II
$\begin{array}{c c} 10-15 \\ 1-10-1 \\ \hline 7 \\ 0-1-7 \\ 0-10 \\ 0-10 \\ \end{array}$	2 0	3 <u>19</u> 20 421 22 X X X X		5 24		
			5 27	14 28	29 13	12 11 4x4=
	10x10 =		x6=	4x4 =	3x4 =	4x8 = 3x4 u
	I	NAILED NAILED NAILED NAILE	ED NAILED	NAILED	LUS24	
	2-0-12		11-4-9		15-11-4 18-2-1	
	2-0-12	4-9-3	4-6-11	I	4-6-11 2-3-8	3 2-1-0 2-0-2

Scale = 1:48.6

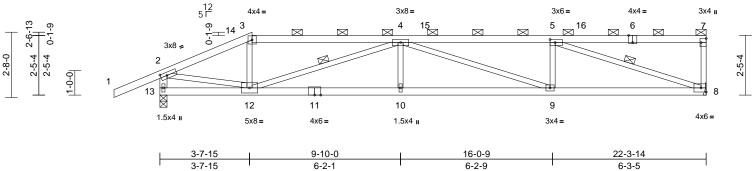
# Plate Offsets (X, Y): [8:0-3-7,Edge], [18:Edge,0-8-0]

Plate Offsets (	X, Y): [8:0-3-7,Edge],	[18:Edge,0-8-0]										-	
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.96 0.92 0.68	DEFL Vert(LL) Vert(CT) Horz(CT)		(loc) 13-14 13-14 10	l/defl >944 >520 n/a	L/d 240 180 n/a	<b>PLATES</b> MT20 Weight: 110 lb	<b>GRIP</b> 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x6 SPF No.2 *Exce 2.0E 2x3 SPF No.2 *Exce Structural wood shea 4-3-9 oc purlins, exc 2-0-0 oc purlins (2-1 Rigid ceiling directly bracing. 1 Row at midpt	pt* 15-10:2x6 SP 24 pt* 18-2:2x4 SP No.: athing directly applie cept end verticals, ar -6 max.): 3-6, 8-9. applied or 6-0-0 oc 4-17 anical, 18=0-3-8 2 9) LC 12), 18=-361 (LC	2) 00F 2 d or nd 3) 4) 5) 5) 5)	Wind: ASCE Vasd=91mpl Ke=1.00; Ca exterior zone Exterior(2R) Exterior(2E) 22-2-10 zone vertical left a forces & MW DOL=1.60 pl Provide adec This truss ha chord live loa Bearings are crushing cap Refer to gird	7-16; Vult=115mpl n; TCDL=6.0psf; B( t. II; Exp C; Enclose and C-C Exterior( 2-2-0 to 7-2-0, Inte 18-2-12 to 20-5-0, e; cantilever left and nd right exposed;C (FRS for reactions : ate grip DOL=1.60 quate drainage to p is been designed for ad nonconcurrent w assumed to be: Jo acity of 425 psi. er(s) for truss to tru hanical connection	CDL=6. ed; MW 2E) -1- rior (1) Interior d right e c-C for r shown; or event or a 10. vith any bint 18 s	Opsf; h=35ft; FRS (envelop 10-8 to 2-2-0, 7-2-0 to 18-2- (1) 20-5-0 to exposed ; end nembers and Lumber water ponding 0 psf bottom other live loa SPF No.2 nections.	-12, I g. Ids.	C	8-9=-70 oncentra Vert: 15 (F), 23=	), 10-18 ated Los 5=1 (F), =-2 (F),	2-3=-70, 3-6=-70 3=-20 ads (lb) , 17=3 (F), 19=-2	(F), 20=-2 (F), 22=-2 1 (F), 26=1 (F), 27=1
FORCES	(lb) - Maximum Com Tension		, ,	bearing plate	capable of withsta 361 lb uplift at joint	anding 2							
TOP CHORD	1-2=0/54, 2-3=-1539 4-5=-4731/1165, 5-6 6-7=-1834/446, 7-8= 9-10=-79/29, 2-18=- 17-18=-97/142, 16-1 14-16=-977/3757, 12 12-13=-927/3771, 1 10-11=-317/1264	5=-3809/898, -1821/441, 8-9=-44/ 1268/444 7=-977/3757, 3-14=-1181/4731,	38, 9)	This truss is International R802.10.2 ar Graphical pu or the orienta bottom chorc ) Use Simpsor	designed in accord Residential Code s and referenced stan- rlin representation ation of the purlin a d. n Strong-Tie LUS24	lance w sections dard AN does no long the 4 (4-100	S R502.11.1 a ISI/TPI 1. ot depict the s top and/or I Girder, 2-10	size Id				TE OF I	MISSO
WEBS NOTES 1) Unbalance	10-11=-31//1264 3-17=-55/357, 4-17= 4-14=-213/1020, 5-1 5-13=-1011/299, 6-1 8-10=-1591/373, 2-1 7-12=-287/1283, 6-1 8-11=-93/59, 8-12=- ed roof live loads have	4=-118/122, 3=-98/528, 7=-411/1480, 2=-2551/639, 119/496	11 12 13	the left end to chord. Fill all nail ho NAILED" ind per NDS guid In the LOAD	CASE(S) section, are noted as front (I	) to fron is in cor )d (0.14 loads a	t face of botto ntact with lumi .8" x 3") toe-r pplied to the f	om ber. nails		•	K	PE-2022	NIEL P
this design			1)		of Live (balanced): ase=1.15	Lumber	Increase=1.	15,			Ø	FESSIONA	L ENGINE

February 6,2024



							RELEASE FO	OR CONSTRUCTION
Job	Truss	Truss Typ	e	Qty	Ply			FOR PLAN REVIEW
P240068	G02	Half Hip		1	1	Job Reference (optional		PMENT SERVICES 163369115 IMMIT, MISSOURI
Premier Building Supply	(Springhill, KS), Spring Hills	, KS - 66083,				2023 MiTek Industries, Inc. W B70Hq3NSgPqnL8w3uITXbGI		2/2024
						I		
	<u>-1-10-8</u>	3-9-3	9-10-0		16-0-9	I	22-3-14	
	<sup> </sup> 1-10-8 <sup> </sup>	3-9-3	6-0-13	I	6-2-9	I	6-3-5	I



## Scale = 1:47.1

WFBS

FORCES

TOP CHORD

BOT CHORD

WEBS

NOTES

**REACTIONS** (size)

Plate Offsets (	X, Y): [2:0-3-3,0-1-8],	[5:0-2-8,0-1-8], [6:0-	-2-0,Edge	, [7:Edge,0-2∙	·8]								
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.57	Vert(LL)	-0.18	9-10	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.74	Vert(CT)	-0.33	9-10	>792	180		
BCLL	0.0	Rep Stress Incr	YES		WB	0.93	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 95 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING		2x4 SP No.2 2x3 SPF No.2 *Except* 13-2:2x4 SP No.2			as been design bad nonconcurre e assumed to b 565 psi. der(s) for truss t chanical connec	ent with any e: Joint 13 \$ to truss conr	other live loa SP No.2 crus	ads. shing					
TOP CHORD	Structural wood sheathing directly applied or 4-6-10 oc purlins, except end verticals, and 2-0-0 oc purlins (3-6-14 max.): 3-7. Rigid ceiling directly applied or 7-7-8 oc			bearing plat joint 8 and 2 This truss is	ce capable of wi 247 lb uplift at jo designed in ac	thstanding 2 pint 13. cordance w	16 Ib uplift a the 2018	at					

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.
	· · · · · · · · · · · · · · · · · · ·

 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

# February 6,2024

w.tpinst.org) Witpinst.org

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

bracing.

Tension

5-9=0/364

1 Row at midpt

2-13=-1111/319

Max Horiz 13=114 (LC 9)

5-8, 4-12

8= Mechanical, 13=0-3-8

Max Uplift 8=-216 (LC 9), 13=-247 (LC 8)

Max Grav 8=987 (LC 1), 13=1141 (LC 1)

(lb) - Maximum Compression/Maximum

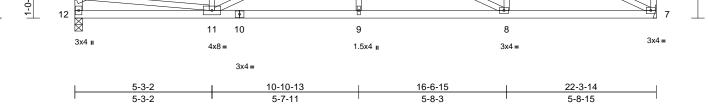
1-2=0/54, 2-3=-1512/284, 3-4=-1346/278, 4-5=-2164/483, 5-7=-80/55, 7-8=-192/85,

5-8=-2231/489, 2-12=-252/1369, 3-12=0/302, 4-12=-1355/314, 4-10=0/246, 4-9=-454/117,

12-13=-151/173, 10-12=-593/2593, 9-10=-593/2593, 8-9=-494/2164

- 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) -1-10-8 to 3-1-8, Interior (1) 3-1-8 to 3-9-3, Exterior(2R) 3-9-3 to 10-10-1, Interior (1) 10-10-1 to 22-2-10 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DDL=1.60 plate grip DDL=1.60
- 3) Provide adequate drainage to prevent water ponding.

					RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply	AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 163369116
P240068	G03	Half Hip	1	1 Job Reference (or	
Premier Building Supply (Springh	ill, KS), Spring Hills, KS - 66083,			30 S Nov 1 2023 MiTek Industries 4-RfC?PsB70Hq3NSgPqnL8w3ul	
	5-4-6	<u> </u>	<u> </u>	<u>16-6-15</u> 5-8-3	<u>22-3-14</u> 5-8-15
		4x4 =	3x8 =	3x4 = 3x4	= 3x4 II
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	4x6 = 1				
	3x4 II	11 10	9	8	3x4 =



Scale = 1:44.2

Plate Offsets (X, Y): [6:Edge,0-2-8]

	A, T). [0.Euge,0-2-0]												
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TP	2014	CSI TC BC WB Matrix-S	0.47 0.57 0.75	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.11 -0.20 0.05	(loc) 8-9 8-9 7	l/defl >999 >999 n/a	L/d 240 180 n/a	<b>PLATES</b> MT20 Weight: 95 lb	<b>GRIP</b> 197/144 FT = 20%
	2-0-0 oc purlins (4-4 Rigid ceiling directly bracing. 1 Row at midpt	thing directly applie xcept end verticals, a -7 max.): 2-6. applied or 8-7-8 oc 5-7 nical, 12=0-3-8 _C 9) C 9), 12=-160 (LC 8)	5) Be 5) Be 2 Cap 6) Re d or 7) Pro be joir 8) Th Int R8 9) Gra or bot	ard live loa arings are bacity of 5 er to girde wide mecl aring plate t 7 and 16 s truss is ernational 02.10.2 ar aphical pu he orienta tom chord	er(s) for truss to tr hanical connection capable of withst 50 lb uplift at joint designed in accor Residential Code nd referenced star rlin representation ation of the purlin a	with any loint 12 \$ uss conr n (by oth anding 2 12. dance w sections ndard AN n does no	other live loa SP No.2 crush nections. ers) of truss t 216 lb uplift at ith the 2018 5 R502.11.1 a JSI/TPI 1. ot depict the s	ning o :					
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-2=-1603/309, 2-3= 3-5=-1571/361, 5-6= 1-12=-940/220 11-12=-242/272, 9-1 8-9=-465/2023, 7-8=	76/66, 6-7=-171/77 1=-465/2023,	,										
WEBS	5-7=-1723/373, 1-11	=-198/1217, 2-11=0 =0/220, 3-8=-505/130	,									G OF I	ALS S ALM
this design 2) Wind: ASC Vasd=91m Ke=1.00; ( exterior zo Exterior(2F 22-2-10 zc vertical lef forces & M DOL=1.60	ed roof live loads have DE 7-16; Vult=115mph pph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 R) 5-4-6 to 12-5-4, Inte one; cantilever left and t and right exposed;C- IWFRS for reactions s plate grip DOL=1.60 lequate drainage to pr	(3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop E) 0-1-12 to 5-4-6, erior (1) 12-5-4 to right exposed ; end C for members and hown; Lumber	e)									PE-2022	BER 042259





										REL		N
Job	Truss		Truss Ty	/pe		Qty	Ply				NOTED FOR PLAN REVIEW	Π
P240068	G04		Roof S	pecial Girde	r	1	1	lah Dafar	anaa (antiana		DEVELOPMENT SERVICES 163369117 LEE'S SUMMIT, MISSOURI	
	g Supply (Springhill, KS), S	Spring Hills, KS - 66083,			Run: 8.63 S Nov 1	2023 Print:	8.630 S Nov 1	-	ence (optiona Industries, Inc. \	·		
· · · · · · · · · · · · · · · ·	, , , , , , , , , , , , , , , , , , ,	, ··,			ID:2vplmMKsjPdGO							+
	<u>  -1-10</u> 1-10	0-8 1-1-3 3-1-3 -8 1-1-3 2-0-0	<u>6-0-6</u> 2-11-		1-10 12-3-12 1-3 3-4-2	2	<u>16-3-4</u> 3-11-8		9-4-10 3-1-6	<u>22-7-5</u> 3-2-10	24-3-14    1-8-9	
		12 5 NAILED		3x4 🚅	7x8=	1.5x4		3x4=	5x10	=	4x4 =	
	 0	NAILED		-0		7 🖂	26	8	27 9	$\square$	10 <sup>5x5</sup> ≈	
3-1	- 0	4x12=		5		8				<u> </u>		Г
014	- -	6. 4x4 ≠	<6= 25 /	-								
φ l	× ~ ~	3 24 4	25				2				3-2-4	
<u>+</u>			≰				0-0 7x8	=    ``			<u> </u>	
		23				18		15				Ĺ
		22 28 21		20	19	1.5x4		1.5x4 <b>u</b>	14		13 ပ်	
		1.5x4 <b>u</b> 3x8	=	3x4=	5x10=	1.574	8x10=	1.574 1	4x4 =		5x8 =	
		4x4 =					0.10=				1.5x4 <b>u</b>	
		NAILED										
		NAILED					10.0.0			~~~~		
		1-2-7 2-11-15 1-2-7 1-9-8	<u>6-0-6</u> 3-0-7		0-6 12-5-0 -15 3-6-10		<u>16-2-0</u> 3-9-0		9-4-10 -2-10	<u>22-8-9</u> 3-3-14	<u> 24-3-14</u>     1-7-5	
Scale = 1:52.1												
Plate Offsets (	(X, Y): [6:0-4-3,Edge],	, [16:0-5-12,0-1-8], [1	7:0-4-0,Ed	ge], [21:0-2-8	,0-1-8]							_
Loading	(psf)	Spacing	2-0-0		CSI	DE	FL	in (loc)	l/defl L/c	PLATES	GRIP	
TCLL (roof)	25.0	Plate Grip DOL	1.15				. ,	.33 7	>867 240		197/144	
TCDL BCLL	10.0 0.0	Lumber DOL Rep Stress Incr	1.15 NO				. ,	.60 16-17 .29 12	>484 180 n/a n/a			
BCDL	10.0	Code		/TPI2014	Matrix-S		(- )				30 lb FT = 20%	
LUMBER			NC	TES					Vert: 3=59 (F	F), 22=26 (F),	, 28=-2 (F)	
TOP CHORD BOT CHORD	2x4 SP No.2		,	Unbalanced this design.	roof live loads have b	een cons	idered for					
BUICHURD	2x4 SP No.2 *Excep No.2, 17-16:2x4 SP		2)	•	7-16; Vult=115mph (	3-second	gust)					
WEBS	2x3 SPF No.2 *Exce 14-16,16-9,12-11,23				h; TCDL=6.0psf; BCD t. II; Exp C; Enclosed							
BRACING	14-10,10-9,12-11,25	-2.2.4 3F NU.2		exterior zone	and C-C Exterior(2E	) -0-10-8	to 4-1-3,					
TOP CHORD		athing directly applied			-1-3 to 9-11-10, Exter							
3-9-11 oc purlins, except end verticals, and 2-0-0 oc purlins (2-4-1 max.): 3-4, 6-10. BIOT CHORD Reid regline directly applied or 6-0-0 oc												
BOT CHORD	Rigid ceiling directly				eft and right exposed /FRS for reactions sho							
REACTIONS	bracing. (size) 12= Mech	nanical, 23=0-3-8	0	DOL=1.60 p	late grip DOL=1.60							
	Max Horiz 23=151 (L	LC 39)	3) 、 4)		quate drainage to pre- as been designed for a							
	Max Uplift 12=-201 ( Max Grav 12=1072		1)	chord live loa	ad nonconcurrent with	any othe	er live loads.					
FORCES	(lb) - Maximum Com		5)	Bearings are capacity of 5	assumed to be: Join 65 psi.	1 23 SP N	0.2 crushing					
TOP CHORD	Tension 1-2=0/54, 2-3=-901/	177 3-4=-2204/430	6) 7)	Refer to gird	er(s) for truss to truss							
	4-5=-2180/445, 5-6=	-1859/396,	7)		hanical connection (b capable of withstand							
	6-7=-4247/998, 7-8= 8-9=-4054/945, 9-10		0)	joint 23 and	201 lb uplift at joint 12	2.	-					
	10-11=-472/155 11		8)	i his truss is	designed in accordar	ce with th	1e 2018					

10-11=-472/155, 11-12=-1043/230, 2-23=-1155/313 22-23=-205/184, 21-22=-328/753, BOT CHORD 20-21=-624/2287, 19-20=-553/1978, 18-19=-15/61, 17-18=0/64, 7-17=-315/143, 16-17=-1019/4124, 15-16=0/54, 8-16=-292/119, 14-15=-12/43, 13-14=-318/1206, 12-13=-55/64 WEBS 3-22=-504/83, 3-21=-328/1688, 4-21=-886/215, 4-20=-330/77, 5-20=0/212, 5-19=-374/137, 6-19=-655/212, 17-19=-507/1908, 6-17=-667/2789, 8-17=-80/206, 14-16=-369/1403, 9-16=-754/3113, 9-14=-715/251, 9-13=-1133/253, 10-13=-4/72, 11-13=-216/931, 2-22=-161/995

joint 23 and 201 lb uplift at joint 12.
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/TP1 1.
9) Graphical purlin representation does not depict the size

or the orientation of the purlin along the top and/or bottom chord.

10) "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 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-2=-70, 2-3=-70, 3-4=-70, 4-6=-70, 6-10=-70, 10-11=-70, 18-23=-20, 16-17=-20, 12-15=-20 Concentrated Loads (lb)



16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type		Qty P	ly	AS NOTED FOR PLAN REVIEW
P240068	G05	Roof Special		1 1	Job Reference (optional	DEVELOPMENT SERVICES 163369118 LEE'S SUMMIT, MISSOURI
Premier Building Supply	(Springhill, KS), Spring Hills, KS - 6	66083,			S Nov 1 2023 MiTek Industries, Inc. Wec -RfC?PsB70Hq3NSgPqnL8w3uITXbGł W	
	-1-10-8 2-8-6			15-9		24-3-14
	1-10-8 2-8-6	3 2-0-0 2-1	1-8 2-10-14	5-2-	10 5-2-10	3-3-12
			3x4 <b>≈</b> 4x	<4 <b>=</b>	3x8 =	4x4 =
-7			► 6	M		8
4-8-0 -1-11-15 -1-8 -1-11-15 -1 -2-3-15 0-1 -1-0-0	12 3x8 = 2 6 1 18	4x6 = 6x6 = 19	5			4x4.s 9 7 7 7 7 7 7 7 8
		17 16	15 14 13		12	11
	1.5x4 <b>u</b>	3x6= 4x4=	3x4= 3x8	8 =	1.5x4 <b>I</b>	4x8 = 1.5x4 <b>u</b>
			3x4 =			
	1 2-7-2	4-9-10 7-7	-14 10-5-9	15-9	-7 1 21-1-6	24-3-14
	2-7-2			5-3-		3-2-8

Scale = 1:50.6

# Plate Offsets (X, Y): [2:0-3-3,0-1-8], [4:0-1-12,0-2-0], [17:0-2-8,0-1-8]

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.45	Vert(LL)	-0.09	13-15	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.58	Vert(CT)	-0.16	12-13	>999	180		
BCLL	0.0	Rep Stress Incr	YES		WB	0.46	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 120 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 *Exce No.2 Structural wood shea 4-0-1 oc purlins, exa 2-0-0 oc purlins (3-1 Rigid ceiling directly bracing. 1 Row at midpt (size) 10= Mech Max Horiz 18=149 (L Max Uplift 10=-173 (	pt* 10-9,18-2:2x4 SF athing directly applie cept end verticals, ar 0-7 max.): 3-4, 6-8. applied or 7-7-3 oc 7-11 anical, 18=0-3-8 C 9) LC 9), 18=-224 (LC §	2) d or d 3) 4) 5) 3) (1) 6)	Wind: ASCE Vasd=91mpl Ke=1.00; Ca exterior zone Interior (1) 5- 16-9-7, Interi to 25-2-2 zor vertical left a forces & MW DOL=1.60 pl Provide adeo This truss ha chord live loa Bearings are capacity of 5 Refer to gird	7-16; Vult=115m n; TCDL=6.0psf; I t. II; Exp C; Enclo and C-C Exterio 8-6 to 11-6-13, E or (1) 16-9-7 to 2 he; cantilever left nd right exposed; FRS for reactions ate grip DOL=1.6 quate drainage to s been designed ad nonconcurrent assumed to be: . 65 psi. er(s) for truss to t	CDL=6. Sed; MW r(2E) -0- xterior(2 2-0-2, Ex and right C-C for r s shown; 0 prevent for a 10. with any Joint 18 s russ coni	Opsf; h=35ft; FRS (envelo I0-8 to 5-8-6, R) 11-6-13 to terrior(2E) 22 exposed ; er nembers and Lumber water pondin. D psf bottom other live loa SP No.2 crusi nections.	-0-2 Id g. ds. hing				Weight: 120 lb	FT = 20%
FORCES	Max Grav 10=1075 ( (lb) - Maximum Com		1) 7)		hanical connectio		,						
TORGES	Tension	pression/maximum			capable of withs 173 lb uplift at joir		24 ID UPIIIT a						
TOP CHORD	1-2=0/54, 2-3=-1452 4-5=-2002/443, 5-6= 6-7=-1520/384, 7-8= 9-10=-1052/257, 2-1 17-18=-210/204, 16- 15-16=-611/2184, 12 12-13=-394/1464, 14	1680/394, 712/219, 8-9=-801/2 8=-1189/343 17=-445/1326, 3-15=-522/1811,	215, 9)	This truss is International R802.10.2 at Graphical pu	designed in acco Residential Code nd referenced sta rlin representatio ation of the purlin I.	rdance w sections ndard Al n does n	R502.11.1 a SI/TPI 1. ot depict the s					TATE OF M	MISSOL
WEBS NOTES 1) Unbalance this design	3-17=-359/101, 3-16 4-16=-723/189, 6-13 7-12=0/223, 7-11=-9 9-11=-230/968, 2-17 5-13=-420/153, 5-15 ed roof live loads have h.	=-44/360, 7-13=-105 77/228, 8-11=-24/11 =-252/1353, =-26/274, 4-15=-434	6,								A A A A A A A A A A A A A A A A A A A	PE-2022	BER DA2259





$ \begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 $							RELEASE FOR	CONSTRUCTION
P240068         GO6         Roof Special         1         1         Job Reference (optional         LEE'S SUMMIT, MS:           Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,         Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MTek Industries, Inc. Wed Jan 2 120 20 20 20 20 100 100 000 20 20 20 20 100 000 0	Job	Truss	Truss Type	Qty	Ply			
Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083, Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. W ad Jan 3020 22/21 ID-SUVHPOMk0K7rFYDjklwpAP2RVio-RitC7PsB70Hq3NSgPqnL8w3uTXb6 WrCDorwLeon 22/21 $\frac{1-1-10-8}{1-10-8} + \frac{4-3-10}{4-3-10} + \frac{6-3-10}{2-0-0} + \frac{9-3-3}{2-11-10} + \frac{12-2.0}{2-10-13} + \frac{15-9.7}{3-7.7} + \frac{19-4.14}{3-7.7} + \frac{24-3.14}{4-11-0} + \frac{4-3-10}{4-11-0} + \frac{12-2.0}{2-10-13} + \frac{12-2.0}{3-7.7} + \frac{19-4.14}{3-7.7} + \frac{24-3.14}{4-11-0} + \frac{10-5}{2-10-13} + \frac{12-2.0}{3-7.7} + \frac{19-4.14}{3-7.7} + \frac{24-3.14}{4-11-0} + \frac{10-5}{2-10-13} + \frac{12-2.0}{3-7.7} + \frac{19-4.14}{3-7.7} + \frac{19-4.14}{4-11-0} + \frac{10-5}{4-11-0} + \frac{10-5}{2-10-13} + \frac{10-5}{3-7.7} + \frac{10-4.14}{3-7.7} + \frac{10-4.14}{4-11-0} + \frac{10-5}{2-10-13} + \frac{10-5}{3-7.7} + \frac{10-4.14}{3-10} + \frac{10-5}{2-10-13} + \frac{10-5}{3-7.7} + \frac{10-4.14}{3-10} + \frac{10-5}{2-10-13} + \frac{10-5}{3-7.7} + \frac{10-4.14}{3-10} + \frac{10-5}{2-10-13} + \frac{10-5}{3-7.7} + 10$	P240068	G06	Roof Special	1	1	Job Reference (optional		3369119 MIT, MISSOURI
$ \begin{array}{c} \begin{array}{c} \begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 $	Premier Building Supply (Spring	hill, KS), Spring Hills, KS - 66083,						2/2024
$ \int_{1}^{2} \int_{$		-1-10-8 4-3-1 1-10-8 4-3-1	0   6-3-10   9-3-3   12 0   2-0-0 2-11-10 2-1					
	5-4-0 7-15 2-9-8 5-1-4 5-2 7-15 0-1-9 2-3-12 0-1	3x8 = 0	4x4 = 5 6x6 = 19 19 4x4 = 5 19 4x4 = 5 19 15 14 13	12		0 7 21 ⊠ ⊠	8	3x8 ≈ 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		4-2-6				19-6-2	24-3-14	

Scale = 1:51.4

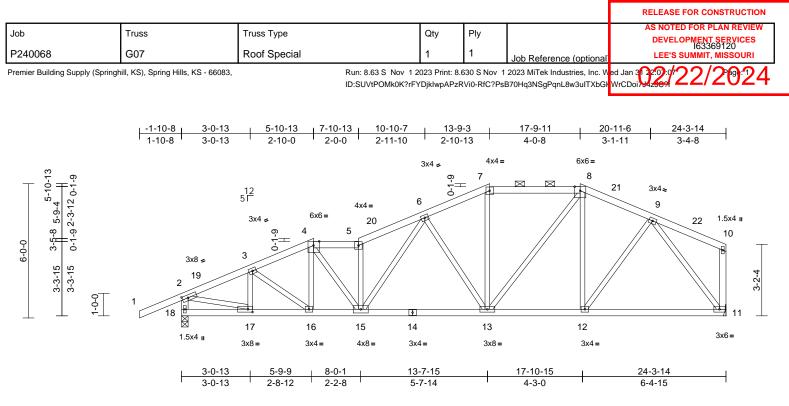
# Plate Offsets (X, Y): [2:0-3-3,0-1-8], [15:0-2-8,0-1-8]

	, , , , , [2.0 0 0,0 1 0],	[10:0 2 0;0 1 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		тс	0.40	Vert(LL)	-0.08	12-14	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.56	Vert(CT)	-0.18	11-12	>999	180		
BCLL	0.0	Rep Stress Incr	YES		WB	0.58	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 120 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 *Exce No.2 Structural wood she 3-10-5 oc purlins, e 2-0-0 oc purlins (4-1 Rigid ceiling directly bracing.	athing directly applie xcept end verticals, -2 max.): 3-4, 6-8.	ed or and	Vasd=91mp Ke=1.00; Ca exterior zond Interior (1) 4 7-3-10, Inter to 18-2-0, In 20-4-14 to 2 exposed ; er members ar Lumber DOI	F-16; Vult=115m h; TCDL=6.0psf; at. II; Exp C; Encle e and C-C Exterici- i-1-8 to 5-3-10, E torior (1) 7-3-10 to terior (1) 18-2-0 t 5-2-2 zone; cantil nd vertical left and ef forces & MWFI L=1.60 plate grip quate drainage to	BCDL=6. osed; MW or(2E) -0- xterior(2E 13-2-0, Ex o 20-4-14 lever left a d right exp RS for rea DOL=1.6	Opsf; h=35ft; FRS (envelop 10-8 to 4-1-8, ) 5-3-10 to terior(2R) 13- , Exterior(2R) and right posed;C-C for cctions shown	-2-0 - -;					
	Max Horiz 16=147 (L Max Uplift 10=-144 ( Max Grav 10=1075	_C 9) LC 9), 16=-223 (LC		chord live lo	as been designed ad nonconcurrent e assumed to be:	t with any	other live loa						
FORCES	(lb) - Maximum Com Tension	pression/Maximum	6	) Refer to gird	ler(s) for truss to t chanical connection			'n					
TOP CHORD	1-2=0/54, 2-3=-1664 4-5=-2176/533, 5-6= 6-7=-1348/375, 7-8= 9-10=-1039/271, 2-1	1496/385, 862/262, 8-9=-991,	0,	bearing plate joint 16 and ) This truss is	e capable of withs 144 lb uplift at joi designed in acco l Residential Cod	standing 2 int 10. ordance w	23 Ib uplift at the 2018	:					
BOT CHORD	15-16=-267/269, 14 12-14=-498/1627, 1	,	9	R802.10.2 a Graphical pu	and referenced staturlin representation	andard Al	ISI/TPI 1. ot depict the s						are -
WEBS NOTES	10-11=-54/65 3-15=-208/85, 3-14= 4-14=-993/262, 6-12 9-11=-229/985, 2-15 7-12=-49/232, 7-11= 5-12=-458/194, 5-14	2=-56/352, 8-11=0/10 5=-255/1395, 633/196, I=-131/568	· _	or the orient bottom chor OAD CASE(S)		along the	e top and/or					STATE OF I	1 CAN
<ol> <li>Unbalance</li> </ol>	ed roof live loads have	been considered for	r								VI I		4.4

oof live loads have been considered for this design.







Scale = 1:51.5

# Plate Offsets (X, Y): [2:0-3-3,0-1-8], [17:0-2-8,0-1-8]

												-	
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	<b>CSI</b> TC BC WB Matrix-S	0.33 0.46 0.77	DEFL Vert(LL) Vert(CT) Horz(CT)		(loc) 13-15 13-15 11	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 127 lb	<b>GRIP</b> 197/144 FT = 20%
	No.2 Structural wood she 4-0-13 oc purlins, e 2-0-0 oc purlins (4-4 Rigid ceiling directly bracing.	applied or 8-4-8 oc nanical, 18=0-3-8 _C 9)	d or nd 3) 4)	Vasd=91mp Ke=1.00; Ca exterior zonm Interior (1) 4 8-10-13, Inte 14-9-3 to 18 Interior (1) 2 right expose for members Lumber DOI Provide ade This truss ha	F-16; Vult=115m h; TCDL=6.0psf; E tt. II; Exp C; Enclo e and C-C Exterior -0-13 to 6-10-13, 1 erior (1) 8-10-13 to -9-11, Exterior(2R -3-9-11 to 25-2-2 z d; end vertical lef and forces & MW =-1.60 plate grip E quate drainage to as been designed ad nonconcurrent	SCDL=6. sed; MW r(2E) -0- Exterior(: 0 14-9-3, 18-9-1 cone; car t and rigit /FRS for DOL=1.6 prevent for a 10.	Opsf; h=35ft; (FRS (envelop 10-8 to 4-0-13 2E) 6-10-13 tt Exterior(2E) I to 23-9-11, ttilever left an tt exposed;C- reactions sho 0 water ponding 0 psf bottom	d -C own; g.					
	Max Grav 11=1075 (Ib) - Maximum Com Tension	(LC 1), 18=1229 (LC	Ý 51	capacity of 5 Refer to gird	e assumed to be: 665 psi. ler(s) for truss to tr chanical connectio	russ coni	nections.	Ū					
TOP CHORD		1162/366, )=-109/104,		bearing plate joint 18 and This truss is International	e capable of withs 116 lb uplift at joir designed in accor Residential Code nd referenced sta	tanding 2 nt 11. dance w sections	234 lb uplift at ith the 2018 \$ R502.11.1 a	t					
BOT CHORD	17-18=-233/219, 16- 15-16=-491/1508, 13 12-13=-266/925, 11-	-17=-492/1337, 3-15=-454/1448,	9)	Graphical pu	urlin representation ation of the purlin	n does n	ot depict the s	size				OF N	
WEBS	4-16=-68/31, 4-15=- 7-13=-28/245, 8-13= 8-12=-231/115, 9-11 2-17=-268/1346, 6-1	93/559, 5-15=-911/26 131/451, =-1126/323,		DAD CASE(S)								STATE OF M	NIEL PL

# NOTES

 Unbalanced roof live loads have been considered for this design.

MITOL

ESSIONAL

UNBER

-20220422

February 6,2024

16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

E

	-		-					_			E FOR CONSTRUCTION
Job	Truss		Truss Type		C	ty	Ply				ED FOR PLAN REVIEW
P240068	G08		Roof Special		1		1	Job Reference	e (optional		OPMENT SERVICES 163369121 SUMMIT, MISSOURI
Premier Building Supply (Spring	hill, KS), Sprir	ng Hills, KS - 66083,	•					-	stries, Inc. W	ed Jan 31 22.0 :0	22/2024
		3-3-6	7-6-0	9-6-0	12-5-10	1:		-2-8 20-1-	12	24-3-14	
		3-3-6	4-2-10	2-0-0	2-11-10	2-	10-13 <sub>0-</sub> -	10-2 3-11-	4	4-2-2	I
								6x6=			
						3x4 ≠	4x				
6-6-13 3-11-15 4-1-8 6-5-4 6-6-13 3-11-15 0-1-9 2-3-12 0-1-9	0 -0- 	3x8 = 19 1	12 5Γ •• 3 3x4 ≠ 20 •• 3	4x4 = 4	5x6= 21	5		12	3x4	23	4x4 <b>a</b> 9 <b>7</b> 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
		1.5x4 u		3x8=	3x4 =		3x8			4 =	1.5x4 <b>II</b>
				3x4=				3x4 =			
Scale = 1:54.1		3-3-6 3-3-6	7-4-12 4-1-6	9-7-4 2-2-8		5-3-2 7-14		-3-12 <u>20-1-</u> 0-10 3-10		<u>24-3-14</u> 4-2-2	
Plate Offsets (X, Y): [17:0-2	2-8,0-1-8]										
Loading TCLL (roof)		pacing Plate Grip DOL	2-0-0 1.15	CSI TC	0.30	DEFI Vert(			defl L/d 999 240	PLATES MT20	<b>GRIP</b> 197/144

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC20	18/TPI2014	CSI TC BC WB Matrix-S	0.30 0.42 0.50	DEFL Vert(LL) Vert(CT) Horz(CT)		(loc) 13-14 13-14 10	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 132 lb	<b>GRIP</b> 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 *Exc No.2 Structural wood sh 4-2-10 oc purlins, 2-0-0 oc purlins (4- Rigid ceiling directl bracing. (size) 10= Mec Max Horiz 18=124 Max Uplift 10=-131 Max Grav 10=1081	ept* 10-9,18-1:2x4 Sl eathing directly applie except end verticals, i 9-7 max.): 3-4, 6-7. y applied or 8-3-13 oc hanical, 18=0-3-8 (LC 9) (LC 13), 18=-191 (LC (LC 1), 18=1081 (LC	P ed or and c : (12) ; (1)	<ol> <li>Wind: ASCE Vasd=91mpi Ke=1.00; Ca exterior zone Interior (1) 6 Interior (1) 1 17-2-8, Exte to 25-2-2 zoi vertical left a forces &amp; MW DOL=1.60 p</li> <li>Provide ader chord live loi</li> <li>Bearings are capacity of 5</li> </ol>	7-16; Vult=115r h; TCDL=6.0psf; tt. II; Exp C; Encl e and C-C Exteri- -1-12 to 8-6-0, E 0-6-0 to 16-4-6, I rior(2R) 17-2-8 tt ne; cantilever lefi nnd right exposed /FRS for reactior late grip DOL=1. quate drainage to as been designer ad nonconcurren e assumed to be: i65 psi.	BCDL=6. osed; MW or(2E) 1-1 xterior(2E Exterior(2E exterior(2E o 22-2-8, 1 t and right d;C-C for r s shown; 60 o prevent d for a 10. tt with any Joint 18 §	Opsf; h=35ft; (FRS (envelo -12 to 6-1-12) 9 8-6-0 to 10 E) 16-4-6 to nterior (1) 22 exposed ; en nembers and Lumber water pondir 0 psf bottom other live los SP No.2 crus	ope) 2, -6-0, 2-2-8 nd d ng. ads.					
FORCES	Tension 1-2=-1624/359, 2-3 3-4=-1477/387, 4-5	;=-1805/467, '=-993/318, 7-8=-1069	-	<ul> <li>7) Provide med bearing plate joint 18 and</li> <li>3) This truss is International</li> </ul>	ler(s) for truss to chanical connecti e capable of with 131 lb uplift at jo designed in acco Residential Cod	on (by oth standing 1 int 10. ordance w le sections	ers) of truss 191 lb uplift a ith the 2018 \$ R502.11.1	at					
BOT CHORD	17-18=-232/215, 10 14-16=-471/1647, 1 12-13=-260/946, 1 10-11=-48/62	13-14=-382/1288,		<ol> <li>Graphical put</li> </ol>		on does n	ot depict the	size				TATE OF I	MISSO
WEBS	2-16=-8/62, 3-16=- 4-14=-530/202, 6-1	e=-173/32, 9-11=-231/ 17=-273/122, =-502/197,	),	-040 0432(3)	Stanuaru						D	A Ham	X + +
NOTES 1) Unbalance this design		e been considered for	r								SA .	PE-2022	042259 7 5 H





February 6,2024

										RELEASI	E FOR CONSTRUCTION	
Job	Tru	JSS	Truss Type		Qt	у	Ply				ED FOR PLAN REVIEW	
P240068	G	)9	Roof Specia	I	1		1	Job Referen	ce (optional)		OPMENT SERVICES 163369122 SUMMIT, MISSOURI	
Premier Building	Supply (Springhill, K	S), Spring Hills, KS - 66083,			.63 S Nov 1 2023 mS5Qtqsd7MJ6hW			2023 MiTek Ind	ustries, Inc. W	ed Jan 31 22:02:08	22/2024	
				ID:pSII	mS5Qtqsa7MJ6NVV	rv_tSzr	VNX-RIC (PSt	370Hq3NSgPqn	L8W3UIIXDGI	WICD01794250 !T		
		+-1-10-8 1-10-8 4-0-1		9-1-3 5-0-4	2-0-0		<u>15-9-7</u> 4-8-4		<u>19-11-2</u> 4-1-11	24-3		
			-					4x4 =				
								6				
15							/			3x4 <b>≈</b>		
6-8-15 9-8	-1-11		12	ŋ	6x6= 4 4 5	x6 =				18 7 19		
4-9-4 3-01-3-	0-1-6		1 <u>2</u> 5	0-1-9 H		Ā					4x4 🕿	
6-10-2 5			3x4 ≠				<u>\</u>				8	
6-` 4-7-15	4-7-15	3x8 ≠	17 3									
4-7	4-7	2									-2-4	
	٩ ٩						,					
$\perp$ $\perp$			15		14 13 12	>		11		10	9	
		1.5x4 <b>I</b>	3x8=			- 4 =		3x8 =		4x4 =	1.5x4 <b>u</b>	
					3x4=							
		4-0-1		8-11-15	11-2-7		15-9-7		19-11-2	24-3	-14	
Scale = 1:51.8		4-0-1	5	4-11-0	2-2-8		4-7-0	I	4-1-11	4-4-	-12	_
Plate Offsets ()	X, Y): [2:0-3-3,0-1	1-8], [5:0-1-12,0-2-0], [15:	0-2-8,0-1-8]							1		-
Loading TCLL (roof)	(psf 25.0		2-0-0 1.15	CSI TC	0.44	DEFI Vert(		( )	/defl L/d >999 240	PLATES MT20	<b>GRIP</b> 197/144	
TCDL	10.0	0 Lumber DOL	1.15	BC	0.44	Vert(	CT) -0.	12 14-15 :	>999 180	INIT20	197/144	
BCLL BCDL	0.0 10.0		YES IRC2018/TPI2	014 WB	0.74 S	Horz	(CT) 0.	03 9	n/a n/a	Weight: 125 lb	FT = 20%	_
LUMBER				d: ASCE 7-16; Vu						-		•
TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2		Ke=	d=91mph; TCDL= 1.00; Cat. II; Exp (	C; Enclosed; MV	/FRS (e	envelope)					
WEBS BRACING	2x3 SPF No.2 *E	Except* 9-8,16-2:2x4 SP I	Inter	rior zone and C-C ior (1) 4-1-8 to 10	-1-3, Exterior(2E	) 10-1-	3 to					
TOP CHORD		sheathing directly applied except end verticals, an	101 to 2'	-3, Interior (1) 12- 1-9-7, Interior (1) 2								
BOT CHORD	2-0-0 oc purlins	(4-9-2 max.): 4-5. actly applied or 8-4-12 oc	left a	and right exposed osed;C-C for mem								
	bracing.			tions shown; Lum .=1.60	ber DOL=1.60 p	ate grip	C					
	Max Horiz 16=14	( )	4) This	ride adequate drai truss has been de								
		4 (LC 13), 16=-245 (LC 1 75 (LC 1), 16=1229 (LC 1	2) chor	d live load noncor rings are assumed	ncurrent with any	other I	ive loads.					
FORCES	(lb) - Maximum ( Tension	Compression/Maximum	ćcapa	acity of 565 psi. er to girder(s) for t			Ū.					
TOP CHORD		1663/356, 3-4=-1555/362, 5-6=-1071/307.	7) Prov	ride mechanical co ing plate capable	onnection (by oth	ers) of	truss to					
	6-7=-1063/308, 8-9=-1033/259,	7-8=-945/249,	joint	16 and 134 lb up	lift at joint 9.							
BOT CHORD	15-16=-219/234	, 14-15=-495/1484,	Inter	truss is designed national Resident	ial Code section	s R502	.11.1 and					
WERC	10-11=-235/826,		9) Grap	2.10.2 and referer phical purlin repre	sentation does n	ot depi	ct the size				an	
WEBS	4-12=-54/189, 5	3-14=-152/98, 4-14=-4/19 -12=-121/90, 8-10=-227/9		e orientation of th om chord.	e purin along the	e top ar	nd/or			E OF	MISSOL	
	2-15=-281/1459, 5-11=-725/232,	, 6-11=-97/478, 7-11=-40/237, 7-10=-476	/188 LOAD C	ASE(S) Standa	rd				A			
NOTES									A	S NATHA	TATEL / Y	

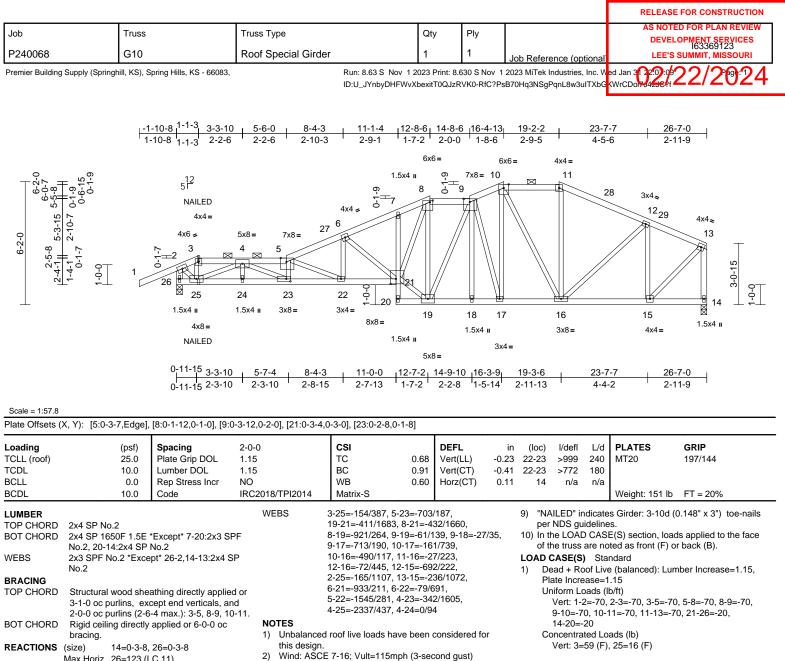
- NOTES
- Unbalanced roof live loads have been considered for this design.



FOX

PE-2022042259

BER



Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft;

exterior zone and C-C Exterior(2E) -1-10-8 to 5-6-0.

Interior (1) 5-6-0 to 12-8-6, Exterior(2E) 12-8-6 to

14-8-6, Interior (1) 14-8-6 to 16-4-13, Exterior(2E)

(1) 24-2-2 to 26-5-4 zone; cantilever left and right

Lumber DOL=1.60 plate grip DOL=1.60

joint 26 and 123 lb uplift at joint 14.

exposed ; end vertical left and right exposed;C-C for

members and forces & MWFRS for reactions shown;

Provide adequate drainage to prevent water ponding.

chord live load nonconcurrent with any other live loads.

crushing capacity of 565 psi, Joint 14 SP No.2 crushing

Bearings are assumed to be: Joint 26 SP 1650F 1.5E

Provide mechanical connection (by others) of truss to

bearing plate capable of withstanding 228 lb uplift at

This truss is designed in accordance with the 2018

or the orientation of the purlin along the top and/or

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

This truss has been designed for a 10.0 psf bottom

Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope)

16-4-13 to 19-2-2, Exterior(2R) 19-2-2 to 24-2-2, Interior

Vert: 3=59 (F), 25=16 (F)



🙏 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 trust 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/TPI1 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)

bottom chord.

capacity of 565 psi.

2)

5)

6)

7)

8)

(size)

Tension

13-14=-1148/252

FORCES

TOP CHORD

BOT CHORD

Max Horiz 26=123 (LC 11)

Max Uplift 14=-123 (LC 13), 26=-228 (LC 12)

Max Grav 14=1175 (LC 1), 26=1258 (LC 1)

(Ib) - Maximum Compression/Maximum

1-2=0/54 2-3=-883/163 3-4=-771/145

4-5=-4337/838, 5-6=-3099/639,

6-7=-2339/527, 7-8=-2252/554.

8-9=-1517/379. 9-10=-1386/365

10-11=-1069/325, 11-12=-1218/316,

12-13=-856/230, 2-26=-1268/300,

25-26=-159/157, 24-25=-674/2897,

19-20=-30/100, 18-19=-367/1483,

15-16=-209/766, 14-15=-52/63

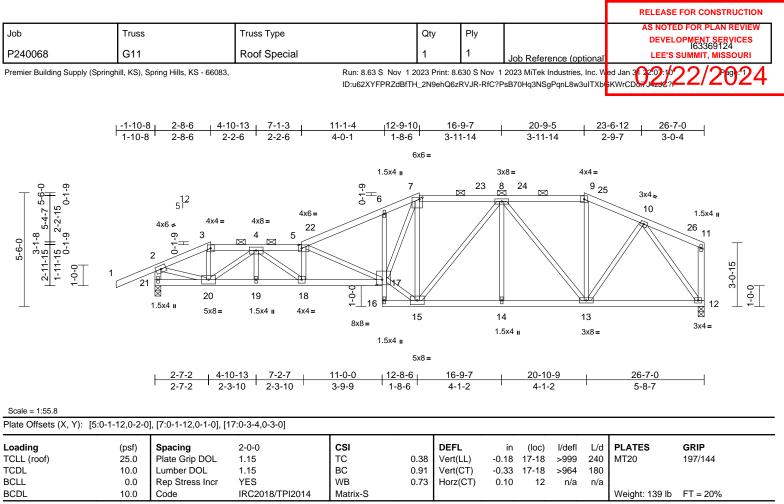
17-18=-367/1483, 16-17=-310/1256

23-24=-674/2897, 22-23=-952/4268

21-22=-692/2827, 20-21=-6/10, 7-21=-23/67,

16023 Swingley Ridge Rd. Chesterfield MO 63017

314.434.1200 / MiTek-US.



- LUMBER 2) TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 \*Except\* 6-16:2x3 SPF No.2 2x3 SPF No.2 \*Except\* 21-2,12-11:2x4 SP WEBS No 2 BRACING TOP CHORD Structural wood sheathing directly applied or 3-5-3 oc purlins, except end verticals, and 2-0-0 oc purlins (3-0-12 max.): 3-5, 7-9. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. 3) **REACTIONS** (size) 12=0-3-8, 21=0-3-8 4) Max Horiz 21=125 (LC 11) Max Uplift 12=-155 (LC 8), 21=-245 (LC 8) 5) Max Grav 12=1178 (LC 1), 21=1330 (LC 1) FORCES (lb) - Maximum Compression/Maximum 6) Tension 1-2=0/54, 2-3=-1605/324, 3-4=-1422/311, TOP CHORD 4-5=-3399/713, 5-6=-2391/538, 7) 6-7=-2312/587, 7-8=-1518/401, 8-9=-1026/318, 9-10=-1141/323 10-11=-103/101, 2-21=-1287/357, 8) 11-12=-103/76 BOT CHORD 20-21=-165/184, 19-20=-647/2627, 18-19=-647/2627, 17-18=-803/3366, 16-17=-4/0, 6-17=-108/124, 15-16=-32/75, 14-15=-362/1437, 13-14=-362/1437, 12-13=-219/734 3-20=-64/482, 5-18=-517/172, WEBS 5-17=-1317/277, 15-17=-397/1679, 7-17=-461/1692, 7-15=-904/267, 9-13=-33/218, 2-20=-272/1500, 10-12=-1247/314, 4-18=-207/956, 8-15=-73/165, 10-13=-70/540, 8-14=0/140, 8-13=-699/164, 4-20=-1501/304, 4-19=0/78
  - 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) -1-10-8 to 7-1-3, Interior (1) 7-1-3 to 12-9-10, Exterior(2R) 12-9-10 to 17-9-10, Interior (1) 17-9-10 to 20-9-5, Exterior(2R) 20-9-5 to 25-9-5, Interior (1) 25-9-5 to 26-5-4 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
     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.5) 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 245 lb uplift at joint 21 and 155 lb uplift at joint 12.
- 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



# NOTES

 Unbalanced roof live loads have been considered for this design.

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 ANS/JTPI1 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) Antitek Bandwick State S

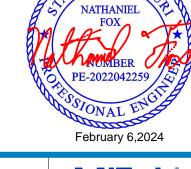
						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES
P240068	G12	Roof Special	1	1	Job Reference (optional	DEVELOPMENT SERVICES 163369125 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Spring	ghill, KS), Spring Hills, KS - 66083,				l 2023 MiTek Industries, Inc. W PsB70Hq3NSgPqnL8w3uITXb0	
	<u>-1-10-8</u>   4-3- 1-10-8 4-3-			-9-7 7-1	22-4-8	<u>26-7-0</u> 4-2-8
0		5x8 = 4x6	n		3x8=	4x4 =
$\begin{array}{c c} & & & & & & & & & & & & & & & & & & &$	3x8 = 0 1 1 3x4 = 0 1 1 17 3x4 = 0 17 17 17 17 17 17 17 17 17 17	3 4 5 9 1				
		3x4 = 3x4   5x8 =	I		12 4x6=	11 3 1.5x4 u 4x8= 1.5x4 u
	<u>4-1-1</u> 4-1-1		<u>16-</u> 5-9	9-7 9-7	<u>22-5-12</u> 5-8-5	<u>26-7-0</u> 4-1-4

## Scale = 1:58.8

Plate Offsets (2	X, Y): [2:0-3-3,0-1-8],	, [5:0-3-12,Edge], [12	2:0-2-8,0-2	-0], [14:0-3-8,0	)-2-4]								
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.54 0.75 0.54	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.14 -0.25 0.07	(loc) 14-15 14-15 10	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 132 lb	<b>GRIP</b> 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x4 SP No.2 *Excep 2x3 SPF No.2 *Excep No.2 Structural wood she 3-8-12 oc purlins, e 2-0-0 oc purlins (3-4 Rigid ceiling directly bracing. 1 Row at midpt (size) 10=0-3-8, Max Horiz 17=127 (I Max Uplift 10=-186 ( Max Grav 10=1178 (lb) - Maximum Corr Tension 1-2=0/54, 2-3=-1851 4-5=-2801/567, 5-6 6-7=-2159/481, 7-8 8-9=-1039/248, 2-17 9-10=-1144/259 16-17=-219/249, 15 14-15=-628/2782, 1: 6-14=-89/642, 12-13 11-12=-385/1688, 11 3-16=-56/522, 5-15= 514==846/180, 12-17 7-14=-129/557, 7-12	bt* 6-13:2x3 SPF No. spt* 17-2,10-9:2x4 Si athing directly applie xcept end verticals, I-12 max.): 3-5, 6-8. applied or 7-5-11 or 7-11 17=0-3-8 _C 11) [LC 8), 17=-258 (LC (LC 1), 17=1330 (LC pression/Maximum I/361, 3-4=-1634/358 -2377/501, -2377/501, 2-1280/362, -16=-562/2352, 3-14=0/103, 3-14=0/103, 1=0/164, 11=-229/1103,	2) P and c 3) 4) 5) 5) 5) 5) 9, 7) 8) 9, 7)	Wind: ASCE Vasd=91mpl Ke=1.00; Ca exterior zone Interior (1) 3 Interior (1) 3 Interior (1) 1 26-5-4 zone vertical left a forces & MW DOL=1.60 p Provide adea This truss ha chord live loa All bearings capacity of 5 Provide mee bearing plate joint 17 and This truss is International R802.10.2 a Graphical pu	7-16; Vult=115m n; TCDL=6.0psf; E t. II; Exp C; Enclo and C-C Exterio -1-8 to 4-3-3, Exter 8-0 to 11-2-6, Ex 6-2-6 to 22-4-8, E c-antilever left an nd right exposed; (FRS for reactions late grip DOL=1.6 quate drainage to us been designed ad nonconcurrent are assumed to b 65 psi. hanical connectio e capable of withs 186 lb uplift at joir designed in accoo Residential Code and referenced sa rlin representation ation of the purlin d.	CDL=6. Sect; MW r(2E) -1 srior(2E) terior(2R xterior(2R d right ex- C-C for r s shown; 0 prevent ' for a 10. with any e SP No. n (by oth tanding 2 nt 10. rdance w s sections ndard AM n does AM	Dpsf; h=35ft; FRS (envelop 10-8 to 3-1-8, 4-3-3 to 8-8-( 11-2-6 to 16 E) 22-4-8 to posed ; end hembers and Lumber water ponding 0 psf bottom 0 psf bottom 0 psf bottom 0 psf bottom 0 psf bottom 2 crushing ers) of truss t 58 lb uplift at ith the 2018 R 502.11.1 a ISI/TPI 1. to depict the s	), }-2-6, g. ds.					MISSOUR NIEL
NOTES	4-16=-1029/232, 4-1	13=-104/038									N.	PE-2022	042259

NOTES

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



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 buckling of trusses and truss systems, see ANSI/TPI1 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)

# 16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES
P240068	G13	Roof Special	1	1	Job Reference (optional	DEVELOPMENT SERVICES 163369126 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springhil	I, KS), Spring Hills, KS - 66083,				2023 MiTek Industries, Inc. W B70Hq3NSgPqnL8w3uITXbGk	
	<u> -1-10-8 2-8-0  </u> 1-10-8 2-8-0	4-10-6         7-0-13         9-7-3         11-1-4           2-2-6         2-2-6         2-6-6         1-6-1		-5-14 4-10	<u>23-11-11</u> 6-5-14	1 <u>26-7-0</u> 2-7-5
0 0	12 5 F	4x6 = 5x5 = 3x4 = 9		21	3x10=	4x4 =
	4x6 ≠ 4x4	4= 3x8=		21		9 4x6 <b>x</b> 10
0 0 0 1 1 2 1 2 3 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 4					
4-2 1-0-0 1-0-0		18 17 6 16	5			3-0-15
$\perp$	1.5x4 <b>u</b> 5x8	3= 1.5X4 II 4X4=			13	
		4x8 = 3x4 7x8 =	II		4x6 =	5x8= 1.5x4 II
	2-6-12	4-10-6         7-2-1         9-5-15         11-0-0           2-3-10         2-3-10         2-3-14         1-6-1		- <u>5-14</u> 5-14	<u>24-0-15</u> 6-7-2	<u>26-7-0</u> 2-6-1

Scale = 1:58

Plate Offsets (X, Y): [5:0-1-12,0-2-0], [13:0-2-8,0-2-0], [15:0-5-12,0-3-12]

Plate Offsets (	(X, Y): [5:0-1-12,0-2-0	], [13:0-2-8,0-2-0], [1 I	5:0-5-12,	0-3-12]		-	-					1	
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.72 0.91 0.78	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.21 -0.38 0.11	(loc) 14 14 11	l/defl >999 >835 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 132 lb	<b>GRIP</b> 197/144 FT = 20%
	2x3 SPF No.2 *Exce No.2 Structural wood she 3-4-3 oc purlins, ex 2-0-0 oc purlins (2-1 Rigid ceiling directly bracing. 1 Row at midpt	ept* 20-2,11-10:2x4 \$ athing directly applie cept end verticals, ar 0-1 max.): 3-5, 6-9. applied or 7-1-0 oc 8-12 20=0-3-8 .C 11) LC 8), 20=-276 (LC 4 (LC 1), 20=1330 (LC	SP d or nd 3 4 5 8) 6	Vasd=91mpl Ke=1.00; Ca exterior zone Interior (1) 7 Interior (1) 1 26-5-4 zone vertical left a forces & MW DOL=1.60 p Provide ade This truss ha chord live los All bearings capacity of 5 Provide mec bearing plate	7-16; Vult=115n h; TCDL=6.0psf; it. II; Exp C; Encle and C-C Exteric -0-13 to 9-7-3, E: 4-7-3 to 23-11-1; cantilever left ar and right exposed /FRS for reaction late grip DOL=1.1 quate drainage ad nonconcurren are assumed to I i65 psi. hanical connectii e capable of with: 211 lb uplift at joi	BCDL=6. osed; MW or(2E) -1 xterior(2R 1, Exterior nd right ex t;C-C for r is shown; 60 o prevent t d for a 10. it with any be SP No. on (by oth standing 2	Opsf; h=35ft; FRS (envelop 10-8 to 7-0-13 ) 9-7-3 to 14-7 (2E) 23-11-11 posed ; end nembers and Lumber water ponding 0 psf bottom other live loar 2 crushing ers) of truss tr	, , , , , , , , , , , , , , , , , , ,					
TOP CHORD	Tension 1-2=0/54, 2-3=-1596 4-5=-3382/637, 5-6= 6-7=-2541/514, 7-8= 8-9=-714/196, 9-10= 2-20=-1286/356, 10-	5/287, 3-4=-1413/276 2809/549, 2893/605, 781/192,		<ul> <li>This truss is International R802.10.2 a</li> <li>Graphical put</li> </ul>	designed in acco Residential Cod nd referenced sta Irlin representation ation of the purlin	ordance w le sections andard AN on does no	R502.11.1 a SI/TPI 1. ot depict the s						
BOT CHORD	,	-19=-577/2641, 6-17=-703/3345, 4-15=0/114, 7-15=-5,		OAD CASE(S)							A	STATE OF M	MISSOLA
WEBS	3-19=-67/483, 5-17= 5-16=-949/193, 6-16 7-16=-754/202, 13-1 8-15=-216/1023, 8-1 8-12=-1433/296, 9-1 2-19=-269/1494, 10- 4-17=-175/914, 4-19	5=-214/1063, 5=-401/1811, 3=-193/161, 2=-57/114, -12=-222/1102,	/103							2		FOI PE-20220	er 042259
<ul><li>NOTES</li><li>1) Unbalance this design</li></ul>	ed roof live loads have n.	been considered for										Februar	IL ENG ry 6,2024



314.434.1200 / MiTek-US.com

							E FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply			ED FOR PLAN REVIEW
P240068	G14	Roof Special Girder	1	1	Job Reference (optional	1 5 5 10	OPMENT SERVICES 163369127 SUMMIT, MISSOURI
Premier Building Supply (Spr	ringhill, KS), Spring Hills, KS - 66083,				2023 MiTek Industries, Inc. W 0Hq3NSgPqnL8w3uITXbGKV	ed Jan 31 22.0 :12	22/2024
	+-1-10-8 <sup>1-0-13</sup> 3-3-3 1-10-8 1-0-13 2-2-6	5-5-10         8-0-0         11-1-4           2-2-6         2-6-6         3-1-4	<u>15-10-5</u> 4-9-1	5	20-8-10 4-10-5	25-6-14 4-10-5	26-7-0 1-0-2
	5 <sup>12</sup> NAILED						4x4 =
	4x4 = 4x6 ≈	5x8 = 5x5 = 3x4 = 5x5 = 5x5 = 3x4 = 5x5 = 5x5 = 3x4 = 5x5	24 🖂	3x6=	9 10	x x	4x4= 11_12
	1.5x4 <b>II</b> 4x8=	$1.5x4 \parallel 3x8 = 4x8 = 7x8 = 3x4 \parallel$		16 4x8=	15 ⊧ 1.5x4 ⊫		14 × 5x8=

0-11-9 3-3-3 5-6-14 7-10-12 0-11-9 2-3-10 2-3-10 2-3-14 26-7-0 11-0-0 15-10-5 25-8-2 20-8-10 3-1-4 4-10-5 4-10-5 4-11-9 0-10-14

Scale = 1:57.9

NAILED

		,	],[	dge], [20:0-2-8,0-	]							
TCLL (roof) 25 TCDL 10 BCLL 0	Sf)Spacing.0Plate Grip DOL.0Lumber DOL.0Rep Stress Incr.0Code	2-0-0 1.15 1.15 NO IRC2018	8/TPI2014	CSI TC BC WB Matrix-S	0.72 0.92 0.81	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.32 -0.58 0.14	(loc) 17 17 13	l/defl >976 >545 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 128 lb	<b>GRIP</b> 197/144 FT = 20%
No.2, 17-13:2x WEBS 2x3 SPF No.2 No.2 BRACING TOP CHORD Structural woo 2-11-13 oc pur 2-0-0 oc purlin BOT CHORD Rigid ceiling di bracing. WEBS 1 Row at midp REACTIONS (size) 13= Max Horiz 23=	Except* 23-2,13-12:2x4 4 d sheathing directly applie ins, except end verticals s (2-6-2 max.): 3-5, 6-11. ectly applied or 6-0-0 oc 10-14 -3-8, 23=0-3-8 30 (LC 11)	SPF SP ed or , and 1) 2)	DTES Unbalanced this design. Wind: ASCE Vasd=91mp Ke=1.00; Ca	3-22=-167/391, 5 5-19=-1342/246, 7-19=-1090/263, 8-18=-304/1492, 10-16=-158/822, 10-14=-1712/363 2-22=-157/1092, 4-20=-326/1618, 4-21=0/100 I roof live loads ha 5-7-16; Vult=115m bh; TCDL=6.0psf; at. II; Exp C; Encl	6-19=-17 16-18=-4 8-16=-91 10-15=0// , 11-14=- 12-14=-2 4-22=-23 ave been aph (3-see BCDL=6. bsed; MW	9/1088, 92/2355, 4/261, 200, 122//131, 94/1087, 35/467, considered fc cond gust) 1psf; h=35ft; FRS (envelo	pe)	of th LOAD ( 1) De Pla Ur	ne truss CASE(S ead + Ro ate Incre hiform Lo Vert: 1-2 11-12=- oncentra	are no of Live ase=1 bads (II 2=-70, 70, 18- ted Lo	nted as front (F) c ndard e (balanced): Lur .15 b/ft) 2-3=-70, 3-5=-7( -23=-20, 13-17=-	nber Increase=1.15, ), 5-6=-70, 6-11=-70,
Max Grav 13= FORCES (lb) - Maximum Tension TOP CHORD 1-2=0/54, 2-3= 4-5=-4357/807 6-7=-3009/593 8-10=-2455/53 11-12=-314/11 12-13=-1140/2 BOT CHORD 22-23=-148/15 20-21=-590/29 18-19=-768/38 16-17=-26/168	235 (LC 8), 23=-260 (LC 175 (LC 1), 23=1252 (LC Compression/Maximum 857/138, 3-4=-747/122, 5-6=-3324/637, 7-8=-3839/794, 3, 10-11=-310/113, 4, 2-23=-1265/314, 38 5, 21-22=-590/2903, 03, 19-20=-831/4284, 70, 17-18=0/90, 7-18=-8/: 15-16=-381/1762, 52, 13-14=-46/60	3) 4) 5) 285, 6) 7)	Interior (1) § Interior (1) 1 26-5-4 zone vertical left i forces & MV DOL=1.60 p Provide ade This truss h chord live lo Bearings ar crushing ca capacity of § Provide met bearing plat joint 23 and This truss is Internationa R802.10.2 a Graphical p	e and C-C Exteric 5-5-10 to 8-0-0, Ex 5-5-10 to 25-6-14, ; cantilever left ar and right exposed VFRS for reaction olate grip DOL=1.6 iquate drainage to as been designed val nonconcurreni e assumed to be: pacity of 565 psi. Chanical connectite e capable of with 235 lb uplift at joi ; designed in accc I Residential Cod- and referenced stat tation of the purlin	terior(2R Exterior( nd right ex ; c-C for r s shown; 0 p prevent i for a 10.1 t with any Joint 23 s Joint 13 s on (by oth standing 2 nt 13. ordance w e sections andard AM n does nd	<ul> <li>8-0-0 to 13- 2E) 25-6-14 ti posed; end</li> <li>nembers and</li> <li>Lumber</li> <li>water ponding</li> <li>opsf bottom</li> <li>other live loa</li> <li>3P 1650F 1.5</li> <li>P No.2 crush</li> <li>ers) of truss ti</li> <li>60 lb uplift at</li> <li>60 lb uplift at</li> <li>R502.11.1 at</li> <li>R502.11.1 at</li> <li>R502.11.1 at</li> </ul>	0-0, o g. dds. E ning to t			h	PE-2022	

6

16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

1.5x4 u

										RE	LEASE FOR CO	ONSTRUCTION
Job	Truss		Truss Type			Qty	Ply					PLAN REVIEW
P240068	G15		Hip Girder			1	1	Jo	b Reference (option		DEVELOPMEN 1633 LEE'S SUMMIT	69128 , <b>MISSOURI</b>
remier Building Supply (S	pringhill, KS), Spring I	Hills, KS - 66083,						Nov 1 2023	3 MiTek Industries, Ir Iq3NSgPqnL8w3uIT.	nc. Wed Jan 3122		2024
	-0-10-8 	<u>5-4-13</u> 5-4-13		<u>10-8-6</u> 5-3-9			<u>10-10</u> 2-5		<u>21-2-3</u> 5-3-9		<u>25-7-0</u> 4-4-13	
	0-10-0	_12 5 ⊑	6x6=		4x8=			3x6 =		5x5 =		
2-11-3 2-8-9 2-10-0 2-8-9 0-1-7		5 <sup>-</sup> 	3	R		a 15	16	5		6		7
0-7-0			13 17	18	1219 11	<u>пл</u> 20	21	10		23 9 24	25	
	5x8=		8x8 =		MT18HS 5x8 =	20	21	3x4 =	22	MT18HS 5x8		IS 10x18 =
			TJC37 LUS24	LUS24	3x4 <b>။</b> LUS24	LUS24	LUS24	LUS24	LUS24 L	US24 LUS24	LUS24	

Scale = 1:50.6

Plate Offsets (	(X, Y): [2:Edge,0-1-10	], [5:0-2-8,0-1-8], [8:	Edge,0-8-0	)], [9:0-2-8,0-2	-0], [13:0-2-8,0-4-	0]							
Loading	(psf)	Spacing	2-0-0		CSI	0.70	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.79	Vert(LL)		10-11	>949	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15 NO		BC WB	0.58	Vert(CT)		10-11	>543	180	MT18HS	244/190
BCLL	0.0	Rep Stress Incr				0.92	Horz(CT)	0.10	8	n/a	n/a		FT 000/
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S	-		-				Weight: 135 lb	FT = 20%
LUMBER			2)		7-16; Vult=115m				Ur	niform Lo	oads (I	b/ft)	
TOP CHORD	2x4 SP 1650F 1.5E	*Except* 3-6:2x6 SP	F		h; TCDL=6.0psf; E					Vert: 1-3	3=-70,	3-6=-70, 6-7=-70	, 2-8=-20
	No.2, 6-7:2x4 SP No	0.2			t. II; Exp C; Enclo				Co	oncentra		· · /	
BOT CHORD					and C-C Exterior							(B), 10=-214 (B),	
WEBS		ept* 9-5,8-7,9-7:2x4 \$	SP		-1-8 to 5-4-13, Ex								214 (B), 21=-214 (B),
	No.2				erior (1) 12-5-10 to -5-4 zone; cantile			and .		22=-214	4 (B), 2	23=-214 (B), 24=-	214 (B), 25=-214 (B)
BRACING					left and right expo								
TOP CHORD		athing directly applie			FRS for reactions			anu					
		xcept end verticals, a	and		late grip DOL=1.6		Lumber						
	2-0-0 oc purlins (2-4		3)		quate drainage to		water pondin	n					
BOT CHORD	Rigid ceiling directly	applied or 7-7-2 oc	4)		e MT20 plates unl								
WEBS	bracing. 1 Row at midpt	4-13, 5-9	5)		as been designed								
		,	-,		ad nonconcurrent			ids.					
REACTIONS	(size) 2=0-3-8, 8		6)		are assumed to b								
	Max Horiz 2=53 (LC	,		capacity of 8	605 psi.			Ū					
	Max Uplift 2=-602 (L		7)		hanical connectio								
	Max Grav 2=2321 (I				e capable of withs		602 lb uplift at	t					
FORCES	(lb) - Maximum Com	pression/Maximum			34 lb uplift at joint								
	Tension	NA050 0 4 4407/40	8)		designed in accor								
TOP CHORD	1-2=0/12, 2-3=-5088 4-5=-6658/1847, 5-6		42,		Residential Code			ind					
	6-7=-4178/1112, 7-8		•		nd referenced sta								
BOT CHORD	2-13=-1214/4571, 1		9)		Irlin representation			size					
BOT CHORD	10-11=-1879/6888,			bottom chore	ation of the purlin	along the	e top and/or					000	ADD
	8-9=-166/537	0 10- 1010/0000,	10		n Strong-Tie TJC3	27 (6 noil	00 150) or					8. OF	MICON
WEBS	3-13=-445/1769, 4-1	13=-2686/742.	IC IC		t 5-4-13 from the l						9	TATE OF N	1000
	4-11=-132/677, 4-10				face of bottom ch						B	AV	N N
	5-10=-167/781, 5-9=				ping 0.0 deg. dow		100 00.7 deg.				8		
	6-9=-308/1297, 7-9=		11		n Strong-Tie LUS		d Girder, 2-10	d			R	FO	X
NOTES					e Ply Girder) or ec						10 1	ILA	n ~ VEV
	ed roof live loads have	been considered for			ting at 6-0-12 fron						W	TH-	11 -12
this design					s(es) to back face						XL	a/Kania	D. Jah
· · · · · · · · · · · · · · · · · · ·			12		oles where hange			ber.			17	NOW	DEK Z
			13	) In the LOAD	CASE(S) section	, loads a	pplied to the	face			N.	OX PE-2022	042259

LOAD CASE(S) Standard 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

of the truss are noted as front (F) or back (B).

February 6,2024

Active Ac

AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES IG3369129 LEE'S SUMMIT, MISSOURI				
LEE'S SUMMIT, MISSOURI 322:1/2024 				
16 6				
<u>-8</u> -7				
16 6				
~~° —				
~~° —				
~~° —				
~~° —				
~~° —				
5-3				
$\bigotimes$				
8x10 =				
3				
4 LUS24				
LUS24				
<b>′-</b> 8				
TES GRIP				
18HS 244/190				
20 197/144				
ght: 334 lb FT = 20%				
e LUS28 (6-10d Girder, 3-10d 16-4-12 from the left end to				
nt face of bottom chord. e LUS24 (4-10d Girder, 2-10d				
r) or equivalent at 18-4-12 from russ(es) to front face of bottom				
chord. 16) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d				
aced at 4-0-0 oc max. starting at to 16-4-12 to connect truss(es)				
chord.				
e LUS28 (6-10d Girder, 3-10d r) or equivalent at 4-4-12 from				
the left end to connect truss(es) to back face of bottom chord.				
e LUS24 (4-SD9112 Girder, 2- Ply Girder) or equivalent at 18-3-4				
nect truss(es) to back face of				
hanger is in contact with lumber.				
anced): Lumber Increase=1.15,				
and here a				
E OF MISSO				
NATHANIEL FOX				
HA DE ENTRY				
Kandeber 1029				
Store ENGL				
SIONAL ENCE				
February 6,2024				

tinued on page 2 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 publicability of trusses and truss systems, see ANSI/TPI1 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)

16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

							RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type		Qty	Ply		AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 163369129
P240068	GG01	Roof Special Girder		1	2	Job Reference (optional	
Premier Building Supply (Spring)	ghill, KS), Spring Hills, KS - 66083,	Run: 8.6 ID:pSIrr	63 S Nov 1 2 nS5Qtqsd7MJ/	023 Print: 8.6 6hWrV_tSzR	330 S Nov 1 Vhx-RfC?Ps <sup>i</sup>	2023 MiTek Industries, Inc. W B70Hq3NSgPqnL8w3uITXbGI	ed Jan 312:0:1822/290:24 WrCDoil94:2 <del>50</del> /f

Uniform Loads (lb/ft)

Vert: 1-4=-70, 4-6=-70, 6-12=-20

Concentrated Loads (lb)

Vert: 12=-1825 (F=-1063, B=-762), 6=-1194 (F=-356, B=-838), 10=-1810 (F=-1055, B=-754), 9=-1810

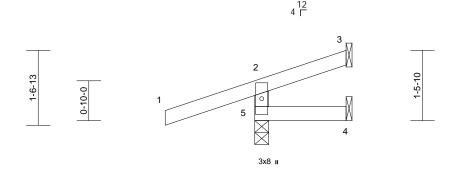
- (F=-1055, B=-754), 17=-1816 (F=-1061, B=-754),
- 18=-1810 (F=-1055, B=-754), 19=-1806 (F=-1052,
- B=-754), 20=-1728 (F=-973, B=-754), 21=-1721 (F=-967, B=-754), 22=-1909 (F=-1154, B=-754)



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
000	11035		Qty	1 19		DEVELOPMENT SERVICES 163369130
P240068	J01	Jack-Open	2	1	Job Reference (optional)	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 12 9:14 22/2 9:24 ID:Y45qRPb2XG6411gD1K7hxszRh2d-RfC?PsB70Hq3NSgPqnL8w3ulTXbG WrCDon 4:59 ft

-1-10-8	1-10-15
1-10-8	1-10-15



Scale	- 1	.21	1

Loading

TCDI

BCLL

BCDL

WEBS BRACING TOP CHORD

LUMBER

TOP CHORD

BOT CHORD

BOT CHORD

**REACTIONS** (size)

TCLL (roof)

2-0-0	CSI		DEFL	in	(loc)
1.15	тс	0.36	Vert(LL)	0.00	4-5
1.15	BC	0.10	Vert(CT)	0.00	4-5
YES	WB	0.00	Horz(CT)	0.00	3
IRC2018/TPI2014	Matrix-R				
0 <b>T</b> :					

1-10-15

l/defl

>999

>999

L/d

240

180

n/a n/a

PLATES

Weight: 9 lb

MT20

GRIP

244/190

FT = 20%

DEFL

This truss is designed in accordance with the 2018 6) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

csi

LOAD CASE(S) Standard

NOTES

FORCES

TOP CHORD

BOT CHORD

1) 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

(psf)

25.0

10.0

0.0

10.0

5=0-3-8 Max Horiz 5=54 (LC 8)

(LC 8)

(LC 1)

2x4 SP No.2

2x4 SP No.2

2x4 SP No.2

bracing.

Max Uplift

Max Grav

Tension

4-5=0/0

Spacing

Code

Structural wood sheathing directly applied or 1-10-15 oc purlins, except end verticals.

3= Mechanical, 4= Mechanical,

3=-14 (LC 12), 4=-7 (LC 1), 5=-148

3=5 (LC 22), 4=26 (LC 3), 5=302

Rigid ceiling directly applied or 10-0-0 oc

(lb) - Maximum Compression/Maximum

2-5=-260/330, 1-2=0/45, 2-3=-37/15

Plate Grip DOL

Rep Stress Incr

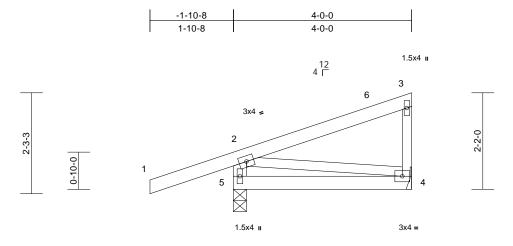
Lumber DOL

- This truss has been designed for a 10.0 psf bottom 2)
- chord live load nonconcurrent with any other live loads. 3) Bearings are assumed to be: , Joint 5 SP No.2 crushing capacity of 565 psi.
- Refer to girder(s) for truss to truss connections. 4)
- Provide mechanical connection (by others) of truss to 5)
- bearing plate capable of withstanding 148 lb uplift at joint 5, 7 lb uplift at joint 4 and 14 lb uplift at joint 3.





						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		
P240068	J02	Roof Special	1	1	Job Reference (optional	DEVELOPMENT SERVICES 163369131 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springh	nill, KS), Spring Hills, KS - 66083,				2023 MiTek Industries, Inc. W B70Hq3NSgPqnL8w3uITXbGł	



				L		4-0-0						
Scale = 1:25.9												
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	0.36	Vert(LL)	-0.01	4-5	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.02	4-5	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	4	n/a	n/a		
DODI	10.0	0.1		Matuka D							Mainte on the	FT 000/

BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P		Weight: 20 lb FT = 20%
LUMBER			LOAD CASE(S)	Standard		
TOP CHORD	2x4 SP No.2					
BOT CHORD	2x4 SP No.2					
WEBS	2x3 SPF No.2 *Exce	pt* 5-2:2x4 SP No.2				
BRACING						
TOP CHORD	Structural wood shea	athing directly applied	d or			
	4-0-0 oc purlins, exc	cept end verticals.				
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc				
REACTIONS	(size) 4= Mecha	nical, 5=0-3-8				
	Max Horiz 5=99 (LC	,				
	Max Uplift 4=-32 (LC	,				
	Max Grav 4=131 (LC	,, , , ,				
FORCES	(lb) - Maximum Com					
TOROLO	Tension	pression/maximum				
TOP CHORD		2. 3-4=-115/130.				
	2-5=-311/385	_, ,				
BOT CHORD	4-5=-235/93					
WEBS	2-4=-64/211					
NOTES						
	CE 7-16; Vult=115mph	(3-second gust)				
	nph; TCDL=6.0psf; BCI					
	Cat. II; Exp C; Enclosed		e)			
exterior zo	one and C-C Exterior(2)	E) -1-10-8 to 3-1-8,	,			
Interior (1)	3-1-8 to 3-10-12 zone	; cantilever left and				ATE OF MISSOL
right expos	sed ; end vertical left a	nd right exposed;C-C	)			OF MISC
	ers and forces & MWFF		vn;			A LA SOLA
	OL=1.60 plate grip DO				A	NATHANIEL E
	has been designed for				A	
	load nonconcurrent wit					FOX
	are assumed to be: Join	nt 5 SP No.2 crushing	g			
capacity of					X /	THE AL
	irder(s) for truss to trus					XVMMMBER U 1000
	echanical connection (				N. S	PE-2022042259
	ate capable of withstan	iuing 32 ib upiiπ at joi	Int		<i>N</i>	CALE-2022042239
	Ib uplift at joint 5.	noo with the 2019			Y Y	The second
<ol><li>6) This truss</li></ol>	is designed in accorda	ince with the 2018				NºP

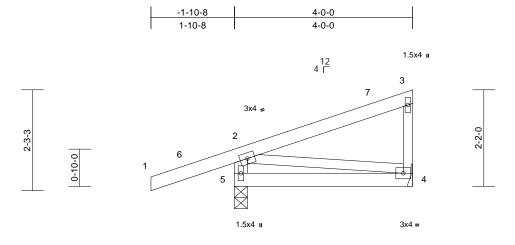
International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



314.434.1200 / MiTek-US.com

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
						DEVELOPMENT SERVICES 163369132
P240068	J03	Monopitch	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Den la Britilia Orani		K0 00000	0.00 0 No. 1.0000 Diat	000 0 1	A COOR MITCH IN ANALYSING IN A	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 12:09:14 22/29:24 ID:B6IxOhXvjkUneGoGEnXWEozRh2i-RfC?PsB70Hq3NSgPqnL8w3ulTXbG WrCDone4299 f



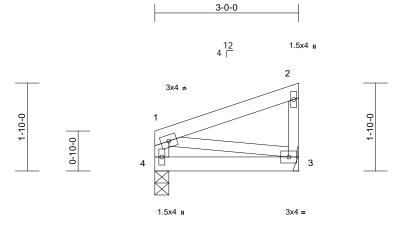
Scale = 1:25.9				4-0-0								
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.01	4-5	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.02	4-5	>999	180		

TC BC		10.0 0.0	Lumber DOL Rep Stress Incr	1.15 YES	BC WB	0.17 0.05	Vert(CT) Horz(CT)	-0.02 0.00	4-5 4	>999 n/a	180 n/a		
BC	DL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 20 lb	FT = 20%
TC BC WE BR TC BC		Structural wood she 4-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 4= Mecha Max Horiz 5=99 (LC Max Uplift 4=-32 (LC	applied or 10-0-0 oc anical, 5=0-3-8 9) 2 12), 5=-146 (LC 8)	LOAD CASE(S)	Standard								
то	RCES	Max Grav 4=131 (L0 (lb) - Maximum Com Tension 1-2=0/45, 2-3=-86/6 2-5=-311/385 4-5=-243/93 2-4=-64/219	pression/Maximum										
1) 2) 3)	Vasd=91m Ke=1.00; C exterior z00 Interior (1) right expos for membe Lumber DC This truss F chord live I Bearings a capacity of Refer to gii Provide me bearing pla 4 and 146 This truss i Internation	E 7-16; Vult=115mph ph; TCDL=6.0psf; BC cat. II; Exp C; Enclose ne and C-C Exterior(2 3-1-8 to 3-10-12 zone ed; end vertical left a rs and forces & MWF DL=1.60 plate grip DC has been designed fo oad nonconcurrent wi re assumed to be: Joi 565 psi. rder(s) for truss to trus echanical connection i the capable of withstar lb uplift at joint 5. s designed in accorda al Residential Code s and referenced stand	EDL=6.0psf; h=35ft; ed; MWFRS (envelope E) -1-10-8 to 3-1-8, e; cantilever left and and right exposed;C-C RS for reactions show DL=1.60 r a 10.0 psf bottom ith any other live load int 5 SP No.2 crushing ss connections. (by others) of truss to noding 32 lb uplift at join ance with the 2018 ections R502.11.1 an	, /n; 5. 9						•		PE-2022 Februar	ANIEL P X 1042259 E L ENGT



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11035	Truss Type		l' iy		DEVELOPMENT SERVICES 163369133
P240068	J04	Monopitch	2	1	Job Reference (optional	
				-		

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 12:00:15 22/210 10:UBh9IGPe3IDCSk1LehMAqhzRh2s-RfC?PsB70Hq3NSgPqnL8w3uITXbg WrCDorrester 22/210 24



3-0-0

Looding	(pof)	Specing	200	csi		DEFL	in	(100)	l/dofl	L/d	PLATES	GRIP
Loading	(psf)	Spacing	2-0-0				in	(loc)	l/defl		-	
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	0.00	3-4	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.01	3-4	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 13 lb	FT = 20%

4.04

LUWIDER	
TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x3 SPF No.2 *Except* 4-1:2x4 SP No.2
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 3-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(size) 3= Mechanical, 4=0-3-8
	Max Horiz 4=67 (LC 11)
	Max Uplift 3=-33 (LC 12), 4=-22 (LC 8)
	Max Grav 3=124 (LC 1), 4=124 (LC 1)
FORCES	(Ib) - Maximum Compression/Maximum Tension
TOP CHORD	
BOT CHORD	
WEBS	1-3=-66/126
NOTES	
1) Wind: AS	CE 7-16; Vult=115mph (3-second gust)
Vasd=91n	nph; TCDL=6.0psf; BCDL=6.0psf; h=35ft;
14 4 00	

- 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 2)
- chord live load nonconcurrent with any other live loads. Bearings are assumed to be: Joint 4 SP No.2 crushing 3)
- capacity of 565 psi.
- 4) Refer to girder(s) for truss to truss connections. 5)
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 3 and 22 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 6) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard





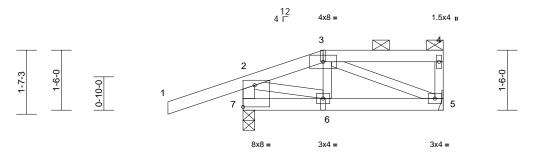
 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property 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 **ANS/TPH1 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)

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	DIV		AS NOTED FOR PLAN REVIEW
300	11055	Truss Type	Qty	FIY		DEVELOPMENT SERVICES 163369134
P240068	J05	Half Hip Girder	1	1	Job Reference (optional	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 2209:15 22/269:24 ID:b8wDu59T0DaBQVwIwmTFUGzRh3B-RfC?PsB70Hq3NSgPqnL8w3uITX GKWrCbol794z0Cff









Scale = 1:28.8

# Plate Offsets (X, Y): [7:Edge,0-6-8]

	· · · · · ·				1								
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		тс	0.42	Vert(LL)	0.00	5-6	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.10	Vert(CT)	-0.01	5-6	>999	180		
BCLL	0.0	Rep Stress Incr	NO		WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC20	8/TPI2014	Matrix-P							Weight: 24 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD		athing directly applie cept end verticals, a	ed or nd 9 c 1	Internationa R802.10.2 a Graphical pr or the orient bottom chor ) "NAILED" in per NDS gu 0) In the LOAD of the truss	dicates Girder: 3 delines. CASE(S) section are noted as from	le sections andard AN on does no n along the -10d (0.14 n, loads ap	R502.11.1 a ISI/TPI 1. of depict the s top and/or 8" x 3") toe- oplied to the s	size nails					
bracing. REACTIONS (size) 5= Mechanical, 7=0-3-8 Max Horiz 7=69 (LC 9) Max Uplift 5=-45 (LC 9), 7=-157 (LC 8) Max Grav 5=184 (LC 1), 7=385 (LC 1)				LOAD CASE(S) Standard 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-2=-70, 2-3=-70, 3-4=-70, 5-7=-20									
FORCES	(lb) - Maximum Com Tension	pression/Maximum		Vent. 1-2	=-70, 2-3=-70, 3-	-4=-70, 5-	r=-20						
TOP CHORD	1-2=0/45, 2-3=-204/ 4-5=-101/123, 2-7=-												
BOT CHORD	6-7=-133/54, 5-6=-1	29/237											
WEBS	3-6=-3/76, 3-5=-236	/121, 2-6=0/202											
NOTES													
Vasd=91n Ke=1.00; exterior zc zone; can and right e	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 tilever left and right exp exposed;C-C for memb or reactions shown; Lu =1.60 dequate drainage to pr	DL=6.0psf; h=35ft; d; MWFRS (envelop E) -1-10-8 to 4-10-1 posed ; end vertical pers and forces & mber DOL=1.60 pla	2 left te									STATE OF D	MISSOLUT

- 2
- This truss has been designed for a 10.0 psf bottom 3)
- chord live load nonconcurrent with any other live loads. Bearings are assumed to be: Joint 7 SP No.2 crushing capacity of 565 psi. 4)
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 5 and 157 lb uplift at joint 7.

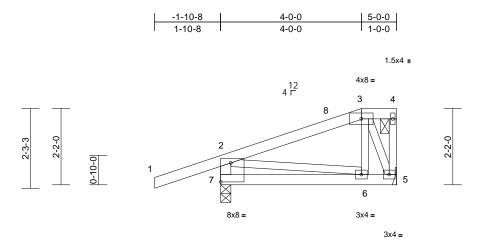


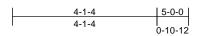
 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value for use only with with twit even connectors. This design is based only upon parameters shown, and is for an individual building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer. 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/TPI 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)



						RELEASE FOR CONSTRUCTION
Job	Truss	Truce Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11055	Truss Type	Qty	гіу		DEVELOPMENT SERVICES 163369135
P240068	J06	Half Hip	1	1	Job Reference (optional	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:16 22/26 21 ID:n?Zyd14iQNq1iaT8ZWNrE?zRh3H-RfC?PsB70Hq3NSgPqnL8w3ulTXbGI WrCDoi 24.664





Scale = 1:32.7

# Plate Offsets (X, Y): [7:Edge,0-6-8]

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/1	FPI2014	<b>CSI</b> TC BC WB Matrix-P	0.36 0.13 0.05	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.02 0.00	(loc) 6-7 6-7 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 26 lb	<b>GRIP</b> 197/144 FT = 20%
BCDL LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD WEBS NOTES 1) Wind: ASC Vasd=91n Ke=1.00; (1) zone; can and right e MWFRS fr grip DOL= 2) Provide ac	10.0 2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 *Exce Structural wood she 5-0-0 oc purlins; ax 2-0-0 oc purlins; 3-4 Rigid ceiling directly bracing. (size) 5= Mecha Max Horiz 7=101 (LC Max Uplift 5=-38 (LC Max Uplift 5=-38 (LC Max Grav 5=184 (LC (Ib) - Maximum Com Tension 1-2=0/45, 2-3=-139/ 4-5=-31/38, 2-7=-35 6-7=-240/95, 5-6=-8 3-6=0/170, 3-5=-217 CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 ) 3-1-8 to 4-0-0, Exterior titlever left and right exp	Code ppt* 7-2:2x4 SP No.2 athing directly applic cept end verticals, a applied or 10-0-0 or anical, 7=0-3-8 C 9) C 1), 7=385 (LC 1) pression/Maximum 48, 3-4=-39/42, 2/406 4/124 7/132, 2-6=0/156 (3-second gust) DL=6.0psf; h=35ft; ad; MWFRS (envelop 2E) -1-10-8 to 3-1-8, or(2E) 4-0-0 to 4-10- posed ; end vertical bers and forces & imber DOL=1.60 pla revent water ponding	IRC2018/1         6)         ed         nd         8)         c         LOA	Provide mech bearing plate 5 and 152 lb This truss is International R802.10.2 ar Graphical pu	Matrix-P capable of withs uplift at joint 7. designed in accor Residential Code and referenced sta rlin representation tion of the purlin I.	n (by oth tanding 3 rdance w sections ndard AN n does no	ers) of truss 8 lb uplift at th the 2018 R502.11.1 a ISI/TPI 1. ot depict the	to joint and				STATE OF D	MISSOLUT
<ol> <li>Bearings a capacity o</li> </ol>	load nonconcurrent wi are assumed to be: Joi of 565 psi. girder(s) for truss to trus	int 7 ŚP No.2 crushir								-	A Star	PE-2022	042259 20 A

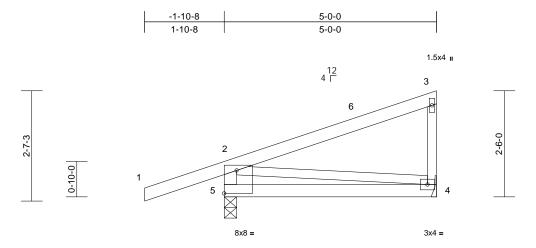
- Bearings are assumed to be: Joint 7 SP No.2 crushing 4) capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.



February 6,2024

						RELEASE FOR CONSTRUCTION
loh	Truco	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
Job	Truss	Truss Type	QUY	Fly		DEVELOPMENT SERVICES 163369136
P240068	J07	Monopitch	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
		-				00/00/000

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:15 2/29:15 10:XGWYkyz2YchJ7CGQX7ikN6zRh3Q-RfC?PsB70Hq3NSgPqnL8w3uITXb KWrCDbr Jezer?



	5-0-0	
Scale = 1:27.1		Ι
Plate Offsets (X, Y): [5:Edge,0-6-8]		

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-P	0.39 0.28 0.06	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.03 -0.06 0.00	(loc) 4-5 4-5 4	l/defl >999 >933 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 24 lb	<b>GRIP</b> 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS	LUMBER       6) This truss is designed in accordance with the 2018         TOP CHORD       2x4 SP No.2         BOT CHORD       2x4 SP No.2         R802.10.2 and referenced standard ANSI/TPI 1.											
TOP CHORD BOT CHORD	TOP CHORD       Structural wood sheathing directly applied or         5-0-0 oc purlins, except end verticals.         BOT CHORD       Rigid ceiling directly applied or 10-0-0 oc											
bracing. REACTIONS (size) 4= Mechanical, 5=0-3-8 Max Horiz 5=115 (LC 9) Max Uplift 4=-46 (LC 12), 5=-150 (LC 8) Max Grav 4=184 (LC 1), 5=-385 (LC 1)												
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-2=0/45, 2-3=-114/ 2-5=-338/411 4-5=-276/114	75, 3-4=-143/210,										
WEBS	2-4=-80/247											
NOTES												
Vasd=91m Ke=1.00; ( exterior zo Interior (1) right expos	NOTES 1) 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) -1-10-8 to 3-1-8, Interior (1) 3-1-8 to 4-10-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown;											

- Lumber DOL=1.60 plate grip DOL=1.60 This truss has been designed for a 10.0 psf bottom 2) chord live load nonconcurrent with any other live loads.
- 3) Bearings are assumed to be: Joint 5 SP No.2 crushing capacity of 565 psi.
- 4) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to 5) bearing plate capable of withstanding 46 lb uplift at joint 4 and 150 lb uplift at joint 5.

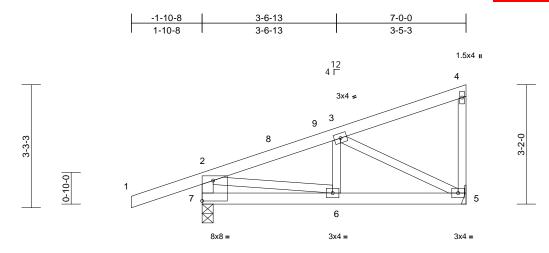


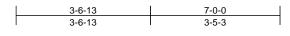
February 6,2024



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
500	11035	Truss Type	Qty	l''y		DEVELOPMENT SERVICES 163369137
P240068	J08	Monopitch	6	1	Job Reference (optional)	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:16 22/29 24 ID:fVH1ubwYUNBteazelHeoCGzRh3U-RfC?PsB70Hq3NSgPqnL8w3uITXbc KWrCDord 2007 20 24





Scale = 1:30.6	
Plate Offsets (X_Y)	[7·Edge 0-6-8]

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	0.34	Vert(LL)	0.01	6	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.01	6-7	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 34 lb	FT = 20%

- LUMBER
- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x3 SPF No.2 \*Except\* 7-2:2x4 SP No.2 WEBS 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) 5= Mechanical, 7=0-3-8 Max Horiz 7=147 (LC 9) Max Uplift 5=-71 (LC 12), 7=-161 (LC 8) Max Grav 5=283 (LC 1), 7=466 (LC 1)
- FORCES (Ib) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/45, 2-3=-361/168, 3-4=-94/66, 4-5=-100/136, 2-7=-437/416 6-7=-336/151, 5-6=-330/349 BOT CHORD WFBS 2-6=-27/303, 3-5=-342/326, 3-6=0/126
- NOTES Wind: ASCE 7-16; Vult=115mph (3-second gust) 1) 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) -1-10-8 to 3-1-8, Interior (1) 3-1-8 to 6-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom 2) chord live load nonconcurrent with any other live loads.
- 3) Bearings are assumed to be: Joint 7 SP No.2 crushing capacity of 565 psi.
- Refer to girder(s) for truss to truss connections. 4)
- Provide mechanical connection (by others) of truss to 5) bearing plate capable of withstanding 71 lb uplift at joint 5 and 161 lb uplift at joint 7.

- 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.

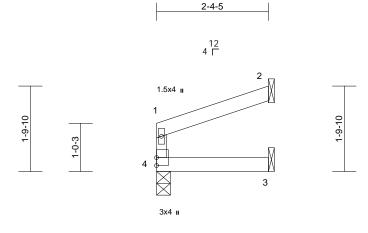
LOAD CASE(S) Standard





						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW
						DEVELOPMENT SERVICES 163369138
P240068	J09	Jack-Open	1	1	Job Reference (optional	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 32 0:16 22/26 24 ID:IXT8rusPfrYbYp4hWk2dVCzRh3Z-RfC?PsB70Hq3NSgPqnL8w3uITXbGk WrCDoi7942697



				L	2-4-5							
Scale = 1:24.3				1								
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	0.00	3-4	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.00	3-4	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		1				,	Weight: 8 lb	FT = 20%

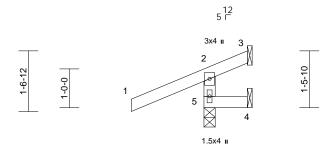
LUMBER		LOAD CASE(S)	Standard		
TOP CHORD	2x4 SP No.2				
BOT CHORD	2x4 SP No.2				
WEBS	2x3 SPF No.2				
BRACING					
TOP CHORD	2-10-13 oc purlins, except end verticals.				
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.				
REACTIONS	(size) 2= Mechanical, 3= Mechanical, 4=0-3-8				
	Max Horiz 4=39 (LC 9)				
	Max Uplift 2=-42 (LC 12), 4=-8 (LC 8)				
	Max Grav 2=74 (LC 1), 3=43 (LC 3), 4=99 (LC 1)				
FORCES	(Ib) - Maximum Compression/Maximum Tension				
TOP CHORD					
BOT CHORD					
NOTES					
	CE 7-16; Vult=115mph (3-second gust)				
	nph; TCDL=6.0psf; BCDL=6.0psf; h=35ft;				
	Cat. II; Exp C; Enclosed; MWFRS (envelope)				
	one and C-C Exterior(2E) zone; cantilever left				
	exposed ; end vertical left and right				June
	C-C for members and forces & MWFRS for				SE OF MISSO
DOL=1.60	shown; Lumber DOL=1.60 plate grip			4	A DIA
	has been designed for a 10.0 psf bottom			H	NATHANIEL C
	load nonconcurrent with any other live loads.			-	FOX
	are assumed to be: , Joint 4 SP No.2 crushing			' NA	I A A
capacity of				W T	ATT I THE
4) Refer to g	irder(s) for truss to truss connections.				MAGRADO IT A
	nechanical connection (by others) of truss to			NO.	SV WINGHIBER
	late capable of withstanding 8 lb uplift at joint 4			N.	O PE-2022042259
	uplift at joint 2.			V.	The ISB
	is designed in accordance with the 2018 nal Residential Code sections R502.11.1 and			2	A STOLEN ENO
	2 and referenced standard ANSI/TPI 1.				CSSIONAL ENCIE
1002.10.2					and
					February 6,2024
					· · · · · · · · · · · · · · · · · · ·

BEFORE USE. Insent, not the overall anent bracing e m Truss Plate Institute (www.tpinst.org) s.com) MITE Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
000	11055		Qty	l''y		DEVELOPMENT SERVICES 163369139
P240068	J10	Jack-Open	4	1	Job Reference (optional)	LEFTS SUMMIT MISSOURI
						00/00/000

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:16 22/29:16 10:12 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:16 22/29:16 24





1-	1-	7	

Scale =	1:29.8
---------	--------

Scale = 1:29.8					1							
Loading TCLL (roof) TCDL	(psf) 25.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI TC BC	0.33 0.07	DEFL Vert(LL) Vert(CT)	in 0.00 0.00	(loc) 4-5 4-5	l/defl >999 >999	L/d 240 180	PLATES MT20	<b>GRIP</b> 244/190
BCLL BCDL	0.0 10.0	Rep Stress Incr Code	YES IRC2018/TPI2014	WB Matrix-R	0.00	Horz(CT)	0.00	3	n/a	n/a	Weight: 7 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING	2x4 SP No.2 2x4 SP No.2 2x4 SP No.2		Internationa	s designed in acco al Residential Cod and referenced st ) Standard	le sections	s R502.11.1 a	and					
TOP CHORD	1-1-7 oc purlins, ex	eathing directly applic cept end verticals. / applied or 10-0-0 o										
REACTIONS	bracing.	anical, 4= Mechanica										
	5=0-3-8 Max Horiz 5=48 (LC Max Uplift 3=-79 (LC (LC 8) Max Grav 3=38 (LC (LC 1)	: 9) C 1), 4=-26 (LC 1), 5	=-123									
FORCES	(lb) - Maximum Con Tension	npression/Maximum										
TOP CHORD BOT CHORD	2-5=-288/286, 1-2= 4-5=0/0	0/54, 2-3=-56/28										
Vasd=91r Ke=1.00; exterior zo and right exposed;( reactions DOL=1.60	CE 7-16; Vult=115mpf mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 exposed ; end vertical C-C for members and 1 shown; Lumber DOL= )	CDL=6.0psf; h=35ft; ed; MWFRS (envelop 2E) zone; cantilever left and right forces & MWFRS for 1.60 plate grip	left								STATE OF	MISSOLANIEL ANIEL

- 2) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads. 3) Bearings are assumed to be: , Joint 5 SP No.2 crushing capacity of 565 psi.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to
- bearing plate capable of withstanding 123 lb uplift at joint 5, 26 lb uplift at joint 4 and 79 lb uplift at joint 3.



February 6,2024

ER

PE-2022042259

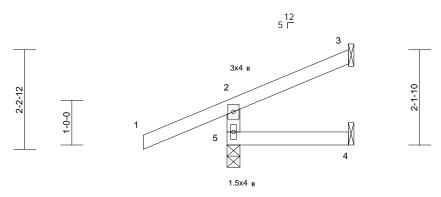
ESSIONAL EN

an

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11055	Truss Type	Qty	гіу		DEVELOPMENT SERVICES 163369140
P240068	J11	Jack-Open	3	1	Job Reference (optional	
				•		00/00/000/

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 229:16 22/26 24 ID:fDlcKnjtU92l6zANpDqp0gzRh3l-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKW CDoi7J424C4





Scale = 1:25.8													
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	25.0	Plate Grin DOI	1 15	TC	0 33	Vort(LL)	0.00	4-5	<u>_</u> 000	240	MT20	244/190	

L

2-8-10

Loading TCLL (roof)	(psf) 25.0	Plate Grip DOL	2-0-0 1.15	TC (	0.33	DEFL Vert(LL)	in 0.00	(loc) 4-5	l/defl >999	L/d 240	MT20	GRIP 244/190
TCDL	10.0	Lumber DOL	1.15		0.08	Vert(CT)	0.00	4-5	>999	180		
BCLL	0.0	Rep Stress Incr	YES		0.00	Horz(CT)	0.01	3	n/a	n/a		FT 000/
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R				-			Weight: 12 lb	FT = 20%
			LOAD CASE(S)	Standard								
TOP CHOR BOT CHOR												
WEBS	2x4 SP No.2											
BRACING TOP CHOR	D Structural wood abo	othing directly appli	ad or									
	D Structural wood she 2-8-10 oc purlins, e											
BOT CHOR	D Rigid ceiling directly bracing.	applied or 10-0-0 of	с									
REACTION	<b>S</b> (size) 3= Mecha 5=0-3-8	anical, 4= Mechanica	al,									
	Max Horiz 5=67 (LC	,										
	Max Uplift 3=-38 (LC Max Grav 3=46 (LC		311									
	(LC 1)											
FORCES	(lb) - Maximum Corr Tension	npression/Maximum										
TOP CHOR		0/54, 2-3=-50/27										
BOT CHOR	2D 4-5=0/0											
NOTES	SCE 7 16: \/ult-115mph	(2 accord quat)										
	\SCE 7-16; Vult=115mph )1mph; TCDL=6.0psf; BC											
	0; Cat. II; Exp C; Enclose											
	zone and C-C Exterior(2 nt exposed ; end vertical		leit								0000	The
	d;C-C for members and f										TATE OF M	MISS
reaction DOL=1	ns shown; Lumber DOL= .60	1.60 plate grip								B	AN	8 Joe
2) This tru	ss has been designed fo									B	S/ NATHA	THEF IS A
	ve load nonconcurrent wi is are assumed to be: , Je									XA	FOI	X AN AN
	y of 565 psi.		iiig							VI	H	1. 1. 8
	girder(s) for truss to tru		_							NA	Vans	the View
	mechanical connection								/	N7	PE-2022	042259
5 and 3	8 lb uplift at joint 3.	• • •								V	The last	120
	ss is designed in accordational Residential Code s		nd							6	E'SSIONA	LENG
	0.2 and referenced stand										<b>NA</b>	L'EST
											Februa	ry 6,2024



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
				,		DEVELOPMENT SERVICES I63369141
P240068	J12	Jack-Open	2	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
						0010010001

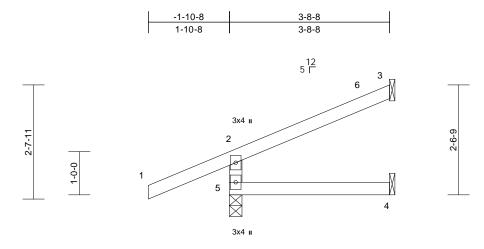
5 and 58 lb uplift at joint 3.

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.

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 22 9:1/2 2/2 9:1/2 ID:mSW5UPgNRwXsdMscaNmtsqzRh3p-RfC?PsB70Hq3NSgPqnL8w3uITX GKWrCb9794zeCr



						3-8-8						
Scale = 1:26.7												
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	0.33	Vert(LL)	-0.01	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	-0.01	4-5	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	3	n/a	n/a		

BCDL	10.0	Code	IRC2018	/TPI2014	Matrix-R	
LUMBER TOP CHORD BOT CHORD WEBS			LC	AD CASE(S)	Standard	
BRACING						
TOP CHORD	Structural wood she 3-8-8 oc purlins, ex					
BOT CHORD						
REACTIONS	(size) 3= Mecha 5=0-3-8 Max Horiz 5=84 (LC Max Uplift 3=-58 (LC Max Grav 3=89 (LC (LC 1)	2 12), 5=-80 (l	_C 8)			
FORCES	(lb) - Maximum Com Tension	pression/Max	kimum			
TOP CHORD BOT CHORD	2-5=-297/271, 1-2=0	)/54, 2-3=-63/	35			
NOTES						
Vasd=91r Ke=1.00; exterior zo Interior (1 exposed ; members	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 ) 3-1-8 to 3-7-12 zone; end vertical left and ri and forces & MWFRS /OL=1.60 plate grip DC	DL=6.0psf; he d; MWFRS (e E) -1-10-8 to cantilever lef ght exposed;( for reactions	=35ft; envelope) 3-1-8, t and right C-C for			
	has been designed fo load nonconcurrent w					
3) Bearings capacity of	are assumed to be: , Jo of 565 psi	oint 5 SP No.	2 crushing			
	irder(s) for truss to tru	ss connectior	IS.			
5) Provide m bearing pl	hechanical connection late capable of withstal	(by others) of	truss to			



Weight: 15 lb

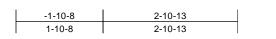
FT = 20%

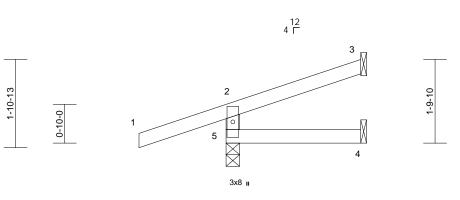
 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value for use only with with twit even connectors. This design is based only upon parameters shown, and is for an individual building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer. 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/TPI 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)



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
500	11035	Truss Type	Qty	i iy		DEVELOPMENT SERVICES 163369142
P240068	J13	Jack-Open	3	1	Job Reference (optional	
						00/00/000/

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:1/22/29:24 ID:yl8qEMbcr4nivRPSD6fTcZzRh3v-RfC?PsB70Hq3NSgPqnL8w3uITXbGK/rCDoi7.42J64



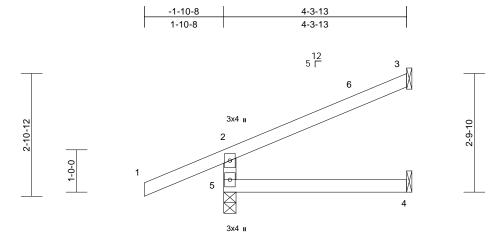


						2-10-13		_					
Scale = 1:24.8													
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	0.00	4-5	>999	240	MT20	244/190	

	CLL (roof)	25	'	1.15	TC	0.36		0.00	4-5	>999	240	MT20	244/190
	CDL	10		1.15	BC	0.08	Vert(CT)	0.00	4-5	>999	180	-	
	CLL	0		YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		<b>FT</b> 0.00/
BC	CDL	10	0 Code	IRC2018/TPI2014	Matrix-R							Weight: 12 lb	FT = 20%
LL	JMBER			LOAD CASE(S)	Standard								
	OP CHORD	2x4 SP No.2											
		2x4 SP No.2											
	EBS	2x4 SP No.2											
	RACING OP CHORD		ah a athing directly anali										
IC	JP CHORD		sheathing directly appli ns, except end verticals										
BC	OT CHORD		ectly applied or 10-0-0 c										
		bracing.	2 11										
R	EACTIONS		echanical, 4= Mechanic	al,									
		5=0-3											
		Max Horiz 5=68	(LC 8) 6 (LC 12), 5=-137 (LC 8)										
			(LC 1), 4=46 (LC 3), 5=										
		(LC 1											
FC	ORCES	(lb) - Maximum	Compression/Maximum										
_		Tension											
	OP CHORD		-2=0/45, 2-3=-42/22										
	DT CHORD	4-5=0/0											
		E 7-16: \/ult-115	mph (3-second gust)										
1)			; BCDL=6.0psf; h=35ft;										
			losed; MWFRS (envelo	pe)									
			ior(2E) zone; cantilever	left									con .
		exposed ; end vert		_								TATE OF	ALL ALL
			Ind forces & MWFRS fo DL=1.60 plate grip	r								ALE OF I	WIISS W
	DOL=1.60		DE-1.00 plate grip								E	TAN'	N.S.
2)	This truss	has been designe	d for a 10.0 psf bottom								8	S/ MAIL	
			nt with any other live loa								R.	FO	X
3)			: , Joint 5 SP No.2 crus	hing							8		T A×8
4)	capacity of		o truss connections.								8/	The the are	J S And
			ion (by others) of truss	to							83	W WIGH	BER
-,			nstanding 137 lb uplift a								N	O PE-2022	042259
		36 lb uplift at join									V	The second secon	18A
6)			ordance with the 2018								8	CSSIONA	TNOIS
			de sections R502.11.1 a tandard ANSI/TPI 1.	ind								<b>WINA</b>	L
	1002.10.2												
												Februa	ry 6,2024



							RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type		Qty	Ply		AS NOTED FOR PLAN REVIEW
P240068	J14	Jack-Open		1	1	Job Reference (optional	DEVELOPMENT SERVICES 163369143 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Sprin	phill, KS), Spring Hills, KS - 66083,	Ru	n: 8.63 S Nov 1 20 mB gwbSiRiQG5l3	023 Print: 8	.630 S Nov 1	1 2023 MiTek Industries, Inc. W B70Hq3NSgPqnL8w3uITXbGK	



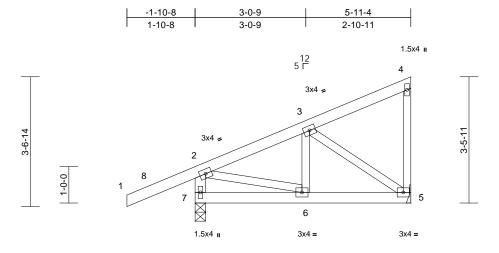
Scale = 1:27.2						4-3-13						
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	тс	0.33	Vert(LL)	0.02	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.03	4-5	>999	180		
DOLL									,	,	1	

TCLL (roof TCDL BCLL	1	5.0Plate Grip DOL0.0Lumber DOL0.0Rep Stress Incr	1.15 1.15 YES	BC WB	0.33 0.17 0.00	Vert(LL) Vert(CT) Horz(CT)	0.02 -0.03 0.02	4-5 4-5 3	>999 >999 n/a	240 180 n/a	M120	244/190	
BCDL LUMBER TOP CHOF BOT CHOF WEBS BRACING TOP CHOF	RD 2x4 SP No.2 RD 2x4 SP No.2 2x4 SP No.2 RD Structural woo 4-3-13 oc purl	d sheathing directly app ns, except end verticals	S.	Matrix-R		<u> </u>					Weight: 17 lb	FT = 20%	
BOT CHOP	bracing. NS (size) 3= 1 5=0 Max Horiz 5=9 Max Uplift 3=- <sup>-</sup>	5 (LC 12) 70 (LC 12), 5=-78 (LC 8) 13 (LC 1), 4=75 (LC 3),	cal,										
FORCES TOP CHOP BOT CHOP	Tension RD 2-5=-317/285,	Compression/Maximur 1-2=0/54, 2-3=-73/41	n										
Vasd= Ke=1.0 exterio Interior expose membe Lumbe 2) This tru chord 1 3) Bearing capacit 4) Refer t 5) Provide bearing 5 and 7 6) This tru for the tru	91mph; TCDL=6.0p 00; Cat. II; Exp C; Er or zone and C-C Extr r (1) 3-1-8 to 4-3-1 z ed ; end vertical left ers and forces & MV er DOL=1.60 plate g uss has been desigr live load nonconcurr gs are assumed to b ity of 565 psi. to girder(s) for truss le mechanical conne g plate capable of w 70 lb uplift at joint 3. uss is designed in a attional Residential C	5mph (3-second gust) sf; BCDL=6.0psf; h=35ft closed; MWFRS (envel erior(2E) -1-10-8 to 3-1-6 one; cantilever left and r and right exposed;C-C fr /FRS for reactions show ip DDL=1.60 ed for a 10.0 psf bottom ent with any other live lo ee; , Joint 5 SP No.2 crus to truss connections. ction (by others) of truss thstanding 78 lb uplift at coordance with the 2018 bode sections R502.11.1 standard ANSI/TPI 1.	ope) 3, ight or vn; h vads. shing s to t joint							A Cast	PE-2022	BER 1042259	



							RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type		Qty	Plv		AS NOTED FOR PLAN REVIEW
							DEVELOPMENT SERVICES I63369144
P240068	J15	Jack-Closed		1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Dramier Building Supply (St	pringhill KS) Spring Hills KS 6609	2	Bup: 9.62 C Nov. 1.2	0000 Drints C	620 C Nov	1 2022 MiTek Industrias Inc. M	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 229: 1220 10:3GNugBLRod8huClQVCnXG8zRh4E-RfC?PsB70Hq3NSgPqnL8w3ulTXb3KWrCDv7/3zzC?

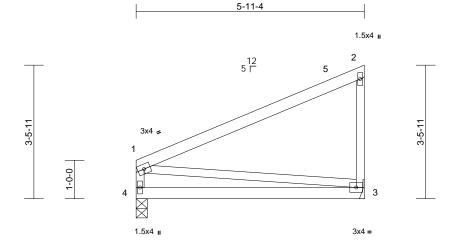


Scale = 1:31.7 3-0-9 2-10-11			3-0-9	5-11-4	
Scale = 1:31.7			3-0-9	2-10-11	
	Scale = 1:31.7				

Loading TCLL (roof)	(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15	CSI TC	0.31	DEFL Vert(LL)	in 0.00	(loc) 6-7	l/defl >999	L/d 240	PLATES MT20	<b>GRIP</b> 244/190
TCDL	10.0	Lumber DOL	1.15		0.10	Vert(CT)	-0.01	6-7	>999	180	-	
BCLL	0.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 31 lb	FT = 20%
LUMBER			LOAD CASE(S)	Standard								
TOP CHORD	2x4 SP No.2											
BOT CHORD WEBS	2x4 SP No.2 2x3 SPF No.2 *Exce	ont* 7-2:2v4 SP No 2	)									
BRACING	2.0 011 10.2 2.00	pt 7-2.2x4 01 110.2	-									
TOP CHORD	Structural wood she		ed or									
BOT CHORD	5-11-4 oc purlins, e Rigid ceiling directly		<b>a</b>									
BUICHORD	bracing.	applied of 10-0-0 of	C									
REACTIONS	· /	anical, 7=0-3-8										
	Max Horiz 7=161 (LC Max Uplift 5=-65 (LC											
	Max Grav 5=231 (LC											
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	2-7=-398/304, 1-2=0											
BOT CHORD	3-4=-95/74, 4-5=-87 6-7=-334/167, 5-6=-											
WEBS	3-5=-263/210, 3-6=0											
NOTES												
	CE 7-16; Vult=115mph											
	nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose											
	one and C-C Exterior(2		Je)									
	3-0-9 to 5-10-0 zone;	, ,	ight								Contra	TOP
	end vertical left and right	<b>,</b>									TATE OF I	MISS
	and forces & MWFRS		;							4	2 AL	N'SO
	OL=1.60 plate grip DC has been designed fo									H	S NATHA	NIEL
	load nonconcurrent wi		ds.							4	FO	
<ol><li>Bearings a</li></ol>	are assumed to be: Joi									an	LA	1 PL
capacity of		a connectiona								W/	TU	1 TVak
	irder(s) for truss to trus echanical connection		0							16	anna	SER
bearing pla	ate capable of withstar									N	O PE-2022	042259
	b uplift at joint 5. is designed in accorda									Ŷ	The last	154
,	nal Residential Code s		nd							6	PE-2022	LEN
	and referenced stand										A A A A A A A A A A A A A A A A A A A	TITE
											Februa	ry 6,2024



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		
P240068	J16	Jack-Closed	1	1	Job Reference (optional	DEVELOPMENT SERVICES 163369145 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Spring	hill, KS), Spring Hills, KS - 66083,				2023 MiTek Industries, Inc. W sB70Hq3NSgPqnL8w3uITXb0	



5-11-4

Scale = 1:30	
--------------	--

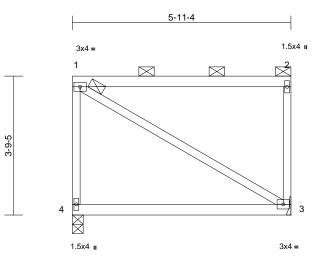
Scale = 1:30			1									
Loading TCLL (roof) TCDL	(psf) 25.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI TC BC	0.77 0.42	DEFL Vert(LL) Vert(CT)	in -0.06 -0.13	(loc) 3-4 3-4	l/defl >999 >532	L/d 240 180	PLATES MT20	<b>GRIP</b> 197/144
BCLL BCDL	0.0	Rep Stress Incr Code	YES IRC2018/TPI2014	WB Matrix-P	0.11	Horz(CT)	0.00	3	n/a	n/a	Weight: 26 lb	FT = 20%
	10.0										Weight. 2010	11 - 2070
LUMBER TOP CHORD	2x4 SP No.2											
BOT CHORD WEBS	2x4 SP No.2 2x3 SPF No.2											
BRACING	2.0 011 10.2											
TOP CHORD	Structural wood she 5-11-4 oc purlins, e		ed or									
BOT CHORD			c									
REACTIONS	Max Horiz 4=142 (LC											
	Max Uplift 3=-73 (LC Max Grav 3=258 (LC	,, , , ,										
FORCES	(lb) - Maximum Com Tension	,, ( )										
TOP CHORD	,	155/110, 2-3=-201/2	233									
BOT CHORD WEBS	3-4=-283/187 1-3=-137/240											
NOTES												
Vasd=91n Ke=1.00; exterior zc Interior (1) exposed ; members Lumber D	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 ) 5-1-4 to 5-10-0 zone; end vertical left and ri and forces & MWFRS JOL=1.60 plate grip DC	EDL=6.0psf; h=35ft; d; MWFRS (envelop E) 0-1-4 to 5-1-4, cantilever left and ri ght exposed;C-C for for reactions shown DL=1.60	ight								ATE OF J	MISSOL
	has been designed for load nonconcurrent wi		ds.							A	S NATHA	
<ol> <li>Bearings a capacity of</li> </ol>	are assumed to be: Joi	int 4 SP No.2 crushi	ng							HA.	A FO	X
4) Refer to g	irder(s) for truss to trus									P	11.	1Stol
bearing pl	nechanical connection ( late capable of withstar	· · ·								MA	PE-2022	BER MAR
6) This truss Internation R802.10.2	lb uplift at joint 3. is designed in accordanal Residential Code so 2 and referenced stand	ections R502.11.1 a	nd							Q	FESSIONA	L ENGI
LOAD CASE(	Standard										and	RV 6 2024

16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

February 6,2024

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		
P240068	147	Flot		1		DEVELOPMENT SERVICES 163369146
P240068	J17	Flat	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Promior Ruilding Supply	(Springhill KS) Spring Hills K	S 66093	Pup: 9.62 S Nov. 1 2022 Drint: 9	620 S Nov	1 2022 MiTok Industrias Inc. M	

ID:112aCf4ezsMpFqcBCaNNNVzRh4a-RfC?PsB70Hq3NSgPqnL8w3uITXbG WrCDone4599 ff 3 Print<sup>.</sup> 8 S Nov 1:



5-11-4

Scale = 1:	31.3
------------	------

1 1 E	Loading FCLL (roof) FCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-P	0.86 0.42 0.16	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.06 -0.13 0.00	(loc) 3-4 3-4 3	l/defl >999 >532 n/a	L/d 240 180 n/a	<b>PLATES</b> MT20 Weight: 28 lb	<b>GRIP</b> 197/144 FT = 20%
T E V E	LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2	. except end vertica	or the orien bottom chor LOAD CASE(S				size				~	
	SOT CHORD		applied or 10-0-0 oc										
F		(size) 3= Mecha Max Horiz 4=-142 (L Max Uplift 3=-100 (L Max Grav 3=258 (L0	.C 9), 4=-100 (LC 8)										
F	ORCES	(lb) - Maximum Com Tension	pression/Maximum										
E	TOP CHORD BOT CHORD WEBS	1-4=-201/374, 1-2=- 3-4=-200/206 1-3=-150/150	72/78, 2-3=-201/296										
	NOTES												
1	Vasd=91m Ke=1.00; C exterior zo and right e exposed;C	E 7-16; Vult=115mph ph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose ne and C-C Corner (3 xposed ; end vertical I-C for members and f shown; Lumber DOL=	DL=6.0psf; h=35ft; ed; MWFRS (envelop ) zone; cantilever lef left and right orces & MWFRS for									ATE OF M	AISS
2		lequate drainage to pr									4	7 NO	N.O.
3		has been designed fo load nonconcurrent w									A	NATHA	NIEL
4		re assumed to be: Jo								-	h	FOL	
5		rder(s) for truss to trus	ss connections.								MP	TH-	I PZ
6		echanical connection		)							YA	Xhanne	DR JROK

- bearing plate capable of withstanding 100 lb uplift at joint 4 and 100 lb uplift at joint 3.
- 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.



16023 Swingley Ridge Rd. Chesterfield, MO 63017

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11055	iluss type	Qty	гу		DEVELOPMENT SERVICES 163369147
P240068	J18	Flat	1	1	Job Reference (optional)	
						00/00/000/

TOP CHORD

BOT CHORD

BOT CHORD

FORCES

WEBS NOTES

1)

2)

3)

4)

5)

6)

7)

TOP CHORD

BOT CHORD

DOL=1.60

capacity of 565 psi.

4 and 118 lb uplift at joint 3.

**REACTIONS** (size)

WEBS BRACING TOP CHORD 2x4 SP No.2

2x4 SP No.2

bracing.

Tension

3-4=-238/245 1-3=-188/188

2x3 SPF No.2

Max Horiz 4=-170 (LC 8)

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) 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

Provide adequate drainage to prevent water ponding.

chord live load nonconcurrent with any other live loads. Bearings are assumed to be: Joint 4 SP No.2 crushing

Provide mechanical connection (by others) of truss to

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.

bearing plate capable of withstanding 118 lb uplift at joint

This truss has been designed for a 10.0 psf bottom

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

2-0-0 oc purlins: 1-2, except end verticals.

3= Mechanical, 4=0-3-8

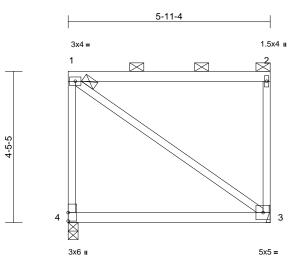
Rigid ceiling directly applied or 10-0-0 oc

Max Uplift 3=-118 (LC 9), 4=-118 (LC 8) Max Grav 3=258 (LC 1), 4=258 (LC 1)

(lb) - Maximum Compression/Maximum

1-4=-215/406, 1-2=-86/93, 2-3=-201/296

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:18 22/29:18 ID:ISMRad1lgx\_EOMudXSqglszRh4d-RfC?PsB70Hq3NSgPqnL8w3ulTXbGr WrCDoi 34.2004



5-11-4

Scale = 1:33.9												
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	0.86	Vert(LL)	-0.06	3-4	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.13	3-4	>532	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 29 lb	FT = 20%
LUMBER		-	8) Graphical p	urlin representa	tion does no	ot depict the s	size					

 Graphical purlin representation does not depict the siz or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

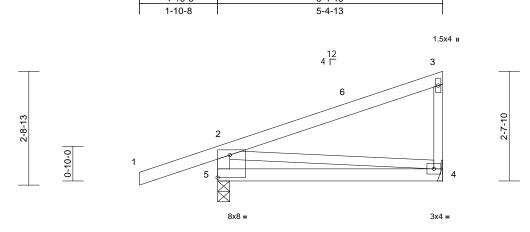
( and a second
STATE OF MISSOL
FOX
to thanker Tog
PE-2022042259
ONAL EL

February 6,2024



🔺 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/TPI1 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)

								RELEASE FOR CONSTRUCTION
Job	Truss	Truss	Гуре		Qty	Ply		AS NOTED FOR PLAN REVIEW
50 (0000								DEVELOPMENT SERVICES 163369148
P240068	J19	Jack-0	Closed		1	1	Job Reference (optiona	LEE'S SUMMIT, MISSOURI
Premier Building Supply (	Springhill, KS), Spring Hills,	KS - 66083,		Run: 8.63 S Nov 1	2023 Print: 8	3.630 S Nov	1 2023 MiTek Industries, Inc. \	
				ID:mNPOD9rjS1zVT	vfYb5Xw5U	zRh4t-RfC?P	PsB70Hq3NSgPqnL8w3ulTXb0	
		1	-1-10-8		5-4	-13		



	5-4-13	
Scale = 1:27.7		
Plate Offsets (X, Y): [5:Edge,0-6-8]		

Plate Offsets	(X, Y): [5:Edge,0-6-8]											
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	тс	0.44	Vert(LL)	-0.04	4-5	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.08	4-5	>732	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 26 lb	FT = 20%
LUMBER			6) This truss i	s designed in ac	cordance w	ith the 2018						
TOP CHORD	2x4 SP No.2		Internation	al Residential Co	ode sections	8 R502.11.1	and					
BOT CHORD	2x4 SP No.2		R802.10.2	and referenced	standard AN	ISI/TPI 1.						
WEBS	2x3 SPF No.2 *Exce	ept* 5-2:2x4 SP No.2	2 LOAD CASE(S	<ol> <li>Standard</li> </ol>								
BRACING												
TOP CHORD	Structural wood she	athing directly applie	ed or									
	5-4-13 oc purlins, e											
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	с									
REACTIONS	(size) 4= Mecha	anical, 5=0-3-8										
	Max Horiz 5=121 (LC	C 9)										
	Max Uplift 4=-51 (LC											
	Max Grav 4=204 (L0	C 1), 5=401 (LC 1)										
FORCES	(lb) - Maximum Corr	pression/Maximum										
	Tension											
TOP CHORD	, -	)/45, 2-3=-115/80,										
	3-4=-153/203											
BOT CHORD												
NEBS	2-4=-85/256											
NOTES												
	CE 7-16; Vult=115mph											
	nph; TCDL=6.0psf; BC											
Ke=1.00;	Cat. II; Exp C; Enclose	ed; MWFRS (envelor	be)									an

- Vasd-91mph; TCDL=6.0psf; BCDL=6.0psf; h-a35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-10-8 to 3-1-8, Interior (1) 3-1-8 to 5-3-9 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.
- Bearings are assumed to be: Joint 5 SP No.2 crushing capacity of 565 psi.
- 4) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 152 lb uplift at joint 5 and 51 lb uplift at joint 4.

NATHANIEL FOX PE-2022042259

February 6,2024

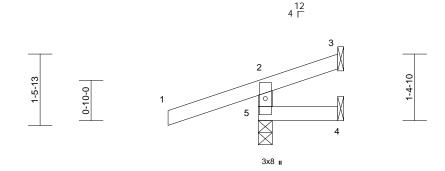


						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11055	Truss Type	Qty	FIY		DEVELOPMENT SERVICES 163369149
P240068	J20	Jack-Open	2	1	Job Reference (optional	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:10 2/20:00 10:20

-1-10-8	1-7-13
1-10-8	1-7-13

1-7-13



Scale - 1.23.9

Scale = 1:23.9												
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	тс	0.36	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	0.00	4-5	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		<b>FT</b> 000/
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 9 lb	FT = 20%
LUMBER			<ol><li>This truss is</li></ol>	designed in acco	ordance wi	ith the 2018						
TOP CHORD	2x4 SP No.2			I Residential Cod			and					
BOT CHORD	2x4 SP No.2		R802.10.2 a	and referenced sta	andard AN	ISI/TPI 1.						
WEBS	2x4 SP No.2		LOAD CASE(S)	Standard								
BRACING												
TOP CHORD	Structural wood she		ed or									
	1-7-13 oc purlins, e											
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	С									
REACTIONS	0	anical, 4= Mechanica										
REACTIONS	(SIZE) 5= Mecha 5=0-3-8	anical, 4= Mechanica	al,									
	Max Horiz 5=50 (LC	8)										
	Max Uplift 3=-15 (LC	, 4=-14 (LC 1), 5	=-155									
	(LC 8)											
	Max Grav 3=13 (LC	8), 4=20 (LC 3), 5=3	304									
	(LC 1)											
FORCES	(lb) - Maximum Con Tension	pression/Maximum										
TOP CHORD	2-5=-261/334, 1-2=0	0/45 2-338/14										
BOT CHORD	4-5=0/0	0/40, 2-3=-30/14										
NOTES												
	CE 7-16; Vult=115mph	(3-second aust)										
	nph; TCDL=6.0psf; BC											
	Cat. II; Exp C; Enclose		be)									
	one and C-C Exterior(2		left								Sam	ADD
	exposed ; end vertical										TE OF I	MISC
exposed;C	C-C for members and f	orces & MWFRS for	•							1	750	W.O.

- reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 This truss has been designed for a 10.0 psf bottom 2)
- chord live load nonconcurrent with any other live loads.
- 3) Bearings are assumed to be: , Joint 5 SP No.2 crushing capacity of 565 psi.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to
- bearing plate capable of withstanding 155 lb uplift at joint 5, 14 lb uplift at joint 4 and 15 lb uplift at joint 3.

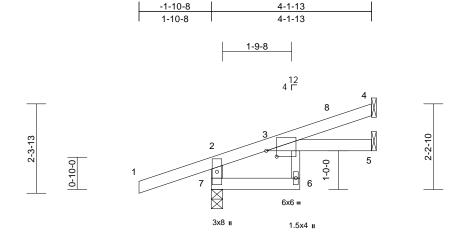


February 6,2024

 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 besign value for use only with with twit even connectors. This design is based only upon parameters shown, and is for an individual building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer. 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/TPI 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)



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
000	11035		Gety	i iy		DEVELOPMENT SERVICES I63369150
P240068	J21	Jack-Open	1	1	Job Reference (optional	
						00/00/000



2-3-8	4-1-13
2-3-8	1-10-5

Scale = 1:29.8
----------------

#### Plate Offsets (X, Y): [3:0-3-4,0-1-13]

Loading TCLL (roof) TCDL BCLL	(psf) 25.0 10.0 0.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI TC BC WB	0.36 0.18 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.03 -0.05 0.03	(loc) 6 6 5	l/defl >999 >913 n/a	L/d 240 180 n/a	PLATES MT20	<b>GRIP</b> 197/144
BCDL	10.0	Code	IRC2018/TPI	2014 Matri	(-R						Weight: 18 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 *Excep 2x4 SP No.2 Structural wood she 4-1-13 oc purlins, e Rigid ceiling directly bracing.	athing directly applie xcept end verticals. applied or 6-0-0 oc anical, 5= Mechanica 8)	LOAD	ernational Reside	ed in accordance w ntial Code section: enced standard Al lard	s R502.11.1	and					
	Max Grav 4=98 (LC	1), 5=71 (LC 3), 7=3	364									
	(LC 1)											
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	2-7=-329/350, 1-2=0 3-4=-46/29	, ,										
BOT CHORD	6-7=-26/0, 3-6=0/54	, 3-5=0/0										
Vasd=91n Ke=1.00; ( exterior zc Interior (1) exposed ; members Lumber D 2) This truss chord live 3) Bearings a capacity o 4) Refer to g 5) Provide m bearing pl	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 ) 3-1-8 to 4-1-1 zone; c end vertical left and ri and forces & MWFRS OL=1.60 plate grip DC has been designed fo load nonconcurrent w are assumed to be: , J of 565 psi. irder(s) for truss to tru techanical connection ate capable of withstat d 45 lb uplift at joint 4.	DL=6.0psf; h=35ft; d; MWFRS (envelop E) -1-10-8 to 3-1-8, cantilever left and rig ght exposed;C-C for for reactions shown; DL=1.60 r a 10.0 psf bottom th any other live load oint 7 SP No.2 crush ss connections. (by others) of truss to	ht ds.							The second se	S NATH	DALENCO STATE



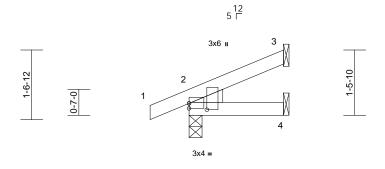
ann

February 6,2024

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
000	11035		Gity	1 19		DEVELOPMENT SERVICES 163369151
P240068	J22	Jack-Open	2	1	Job Reference (optional	
						00/00/000/

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:16 2/2 9:19 10:2AGBYwWnokZLkl5MWwYbVozRh5I-RfC?PsB70Hq3NSgPqnL8w3uITXb KWrCDwr 4-20 2/2 9:12 4





2-1-7

Scale = 1:25.9 Plate Offsets (X, Y); [2:Edge.0-1-6], [2:0-1-11.0-4-13]

	Euge,0-1-6],	[2:0-1-11,0-4-13]										
Loading TCLL (roof) TCDL BCLL	(psf) 25.0 10.0 0.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI TC BC WB	0.11 0.04 0.00	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 2-4 2-4 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL	10.0	Code	IRC2018/TPI201	4 Matrix-P							Weight: 9 lb	FT = 20%
BRACING TOP CHORD Structur 2-1-7 oc BOT CHORD Rigid ce bracing. REACTIONS (size) Max Hori: Max Uplif	No.2 \$ SP No.2 al wood sheat c purlins. iiling directly 2=0-3-8, 3 Mechanicz z 2=53 (LC t 2=-40 (LC / 2=177 (LC		LINTERNA R802.4 LOAD CA	uss is designed in ac tional Residential Cc 0.2 and referenced s SE(S) Standard	de sections	R502.11.1 a	ind				<u> </u>	
Tension		pression/Maximum										
<ol> <li>NOTES</li> <li>Wind: ASCE 7-16; V Vasd=91mph; TCDL Ke=1.00; Cat. II; Exp exterior zone and C- and right exposed; c exposed; C-C for me reactions shown; Lu DOL=1.60</li> <li>This truss has been chord live load nonc</li> <li>Bearings are assum capacity of 565 psi.</li> <li>Refer to girder(s) for</li> <li>Provide mechanical bearing plate capabl 3 and 40 lb uplift at j</li> </ol>	L=6.0psf; BCI c; Enclosec C Exterior(2) end vertical li mbers and for mber DOL=1 designed for oncurrent wit ed to be: , Jc r truss to trus connection ( le of withstan	DL=6.0psf; h=35ft; d; MWFRS (envelop E) zone; cantilever l eft and right borces & MWFRS for .60 plate grip a 10.0 psf bottom th any other live loa- bint 2 SP No.2 crush ss connections. by others) of truss to	left ds. ning								PE-2022	X S F X



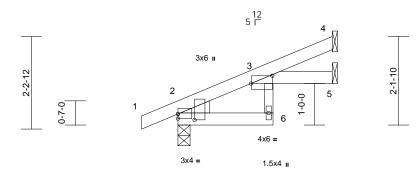


February 6,2024

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW
P240068	J23	Jack-Open	1	1	Job Reference (optional	DEVELOPMENT SERVICES 163369152 LEE'S SUMMIT, MISSOURI
Barris Barriston Ormal		K0 00000 D.		000.0 N		00/00/000

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:20 2/20 24 ID:IDTIVDSe\_Cx2d\_D0jNzQolzRh5N-RfC?PsB70Hq3NSgPqnL8w3ulTXbGr WrCDoi 342001







Scale = 1:27.8

#### Plate Offsets (X, Y): [2:Edge,0-1-6], [2:0-1-11,0-4-13], [3:0-6-3,0-2-4]

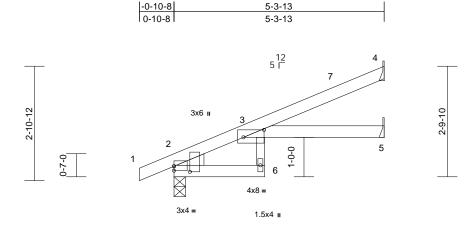
	(··, ·)· [=·=•9•,• · •]	,[,e],[e										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.03	6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.03	6	>999	180	-	
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		,					Weight: 16 lb	FT = 20%
LUMBER				is designed in acc nal Residential Coo			ام مد م					
TOP CHORD				and referenced st			and					
BOT CHORD		ot* 6-3:2x3 SPF No.2			lanuaru Ar	N31/TFTT.						
WEDGE	Left: 2x4 SP No.2		LOAD CASE	5) Standard								
BRACING	o											
TOP CHORD		eathing directly applie	ed or									
BOT CHORD	3-8-10 oc purlins. Rigid ceiling directly											
BOICHORD	bracing.	applied of 6-0-0 oc										
REACTIONS	0	4= Mechanical, 5=										
REACTIONS	(Size) Z=0-3-8, Mechanic	,										
	Max Horiz 2=82 (LC											
	Max Uplift 2=-41 (LC	,	5=-6									
	(LC 12)	, <u> </u>										
	Max Grav 2=244 (L (LC 3)	C 1), 4=93 (LC 1), 5=	=65									
FORCES	(lb) - Maximum Con	npression/Maximum										
	Tension											
TOP CHORD	1-2=0/6, 2-3=-84/8,	3-4=-42/30										
BOT CHORD	2-6=-13/0, 3-6=-2/5	4, 3-5=0/0										
NOTES												
	CE 7-16; Vult=115mph	(3-second aust)										
	nph; TCDL=6.0psf; BC											The second se
Ke=1.00;	Cat. II; Exp C; Enclose	ed; MWFRS (envelop	e)								TATE OF I	de la
	one and C-C Exterior(2		eft								FE OF	VIISS V
0	exposed ; end vertical	0								4	T. M.	N.S.
	C-C for members and t									A	S NATHA	NIEL CR.V
DOL=1.60	shown; Lumber DOL=	1.60 plate grip							-	H	FO	
	has been designed fo	r a 10.0 paf battam								1	14	
	load nonconcurrent w		de							<u>n</u>	+The	1 A-28
	are assumed to be: , J									Ya.	A Kanda	SVar
capacity o									· · · ·	Nº3		BER
	irder(s) for truss to tru	iss connections.								N	ON PE-2022	042259 / 5 8
	nechanical connection		D							Q	The last	158
	late capable of withsta		pint								NºSi-	ENU'S
4, 41 lb up	olift at joint 2 and 6 lb u	uplift at joint 5.									C'SSIONA	LEY
											lan	DEC
											Februa	ny 6 2024

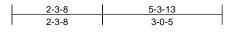
February 6,2024

16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
000	11055		Qty	1 19		DEVELOPMENT SERVICES 163369153
P240068	J24	Jack-Open	1	1	Job Reference (optional)	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20 30 22/2 30 22/2 30 24 ID:DINUj3EMDggbTDrxfbeC4yzRh5f-RfC?PsB70Hq3NSgPqnL8w3uITXbGK VrCDoi7042 401





Scale = 1:29.2	
Plate Offsets (X, Y):	[2:Edge,0-1-6], [2:0-1-11,0-4-13], [3:0-6-4,0-2-4]

	/ [	, [2:0-1-11,0-4-13], [3										
<b>Loading</b> TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2	CSI TC BC WB 014 Matrix-R	0.52 0.42 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.09 -0.12 0.06	(loc) 6 5	l/defl >677 >515 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 20 lb	<b>GRIP</b> 244/190 FT = 20%
SCDL	10.0	Code	IRG2016/1912	014 Mallix-R							weight. 20 lb	FT = 20%
BOT CHORD 23 WEDGE La BRACING TOP CHORD S 5	eft: 2x4 SP No.2 tructural wood she -3-13 oc purlins.	ot* 6-3:2x3 SPF No.2 eathing directly applie	Inter R802 LOAD C	truss is designed in acc national Residential Co 2.10.2 and referenced s <b>ASE(S)</b> Standard	de sections	R502.11.1 a	Ind					
	racing.											
Ma	(LC 12)											
,	/	pression/Maximum										
TOP CHORD 1	ension -2=0/6, 2-3=-126/0 -6=-15/0, 3-6=-15/0	,										
NOTES												
<ul> <li>Vasd=91mph; Ke=1.00; Cat, exterior zone Interior (1) 4-/ exposed; end Lumber DOL=</li> <li>This truss has chord live loar</li> <li>Bearings are capacity of 56</li> <li>Refer to girde</li> <li>Provide mech bearing plate</li> </ul>	II; Exp C; Enclose and C-C Exterior(2 1-8 to 5-3-1 zone; d vertical left and ri forces & MWFRS =1.60 plate grip DC been designed fo d nonconcurrent w assumed to be: , J 55 psi. r(s) for truss to trus anical connection	iDL=6.0psf; h=35ft; d; MWFRS (envelop 2E) -0-10-8 to 4-1-8, antilever left and rig ght exposed;C-C for for reactions shown DL=1.60 r a 10.0 psf bottom ith any other live loar oint 2 SP No.2 crush ss connections. (by others) of truss to nding 69 lb uplift at jo	ht ; ds. ing								PE-2022	BER CONTRACTOR

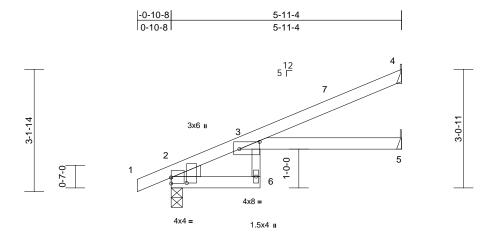
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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/TPI1 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)



February 6,2024

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW
P240068	J25	Jack-Open	3	1	Job Reference (optional)	DEVELOPMENT SERVICES 163369154 LEE'S SUMMIT, MISSOURI
Describer Duilding Currel	k. (Casiashill, KC), Casias Llilla	KC 00000 Du		COO C New		

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20 20 20 20 20 20 10:1Hlhyv03S8P9JSTTcpJ\_L9zRh5x-RfC?PsB70Hq3NSgPqnL8w3uITXbGKUrCDoi7JszJeff





Scale = 1:29.7	
Plate Offsets (X, Y):	[2:Edge,0-1-14], [2:0-1-11,0-4-13], [3:0-6-4,0-2-4]

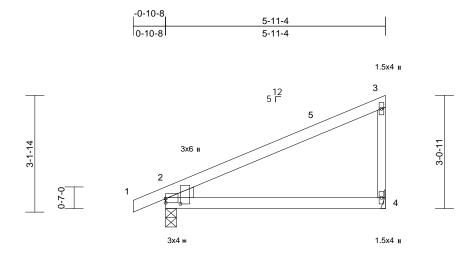
	Edge,0-1-14	], [2:0-1-11,0-4-13],	[3:0-6-4,0-2-4]									
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI20	CSI TC BC WB 014 Matrix-R	0.62 0.53 0.00	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in 0.13 -0.17 0.08	(loc) 6 6 5	l/defl >543 >403 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 22 lb	<b>GRIP</b> 244/190 FT = 20%
WEDGE Left: 2x- BRACING TOP CHORD Structur 5-11-4 BOT CHORD Rigid ce bracing REACTIONS (size) Max Hori Max Upli	No.2 *Excep 4 SP No.2 ral wood shee oc purlins. eiling directly 2=0-3-8, 4 Mechanic iz 2=122 (LC ft 2=-52 (LC (LC 12) v 2=342 (LC		LOAD C	truss is designed in acc national Residential Coo 2.10.2 and referenced si ASE(S) Standard	de sections	R502.11.1 a	nd					
TOP CHORD 1-2=0/6	n , 2-3=-144/0, , 0, 3-6=-20/7 /ult=115mph L=6.0psf; BC p C; Enclose -C Exterior(2 s & C Exterior(2 s & MWFRS plate grip DO designed for designed for concurrent wi ned to be: , Joc r truss to truss connection ( ble of withstar	<ul> <li>r0, 3-5=0/0</li> <li>(3-second gust)</li> <li>DL=6.0psf; h=35ft;</li> <li>d; MWFRS (envelop E) -0-10-8 to 4-1-8, cantilever left and ri ght exposed;C-C for for reactions shown; L=1.60</li> <li>a 10.0 psf bottom th any other live loac bint 2 SP No.2 crush is connections.</li> <li>by others) of truss to ding 79 lb uplift at jot</li> </ul>	ght ; ds. ing o								STATE OF I SATE OF I NATHA FO PE-2022	NILEL X EER 042259



February 6,2024

							RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type		Qty	Plv		AS NOTED FOR PLAN REVIEW
005	11035	Truss Type		Giy	' 'y		DEVELOPMENT SERVICES 163369155
P240068	J26	Jack-Closed		1	1	Job Reference (optional	
Bromior Building Supply (Sr	vinghill KS) Spring Hills KS 6608	2	Burn 9.62 C Nov. 1.0	0000 Drint: 9	620 C Nov	1 2022 MiTok Industrias Inc. M	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 2:00:21 22/20:24 ID:LR47I4nWA\_u?vNxdRcyHXxzRh6F-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDorve4zeet



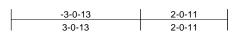
	5-11-4	1
Scale = 1:31.1	I	
Plate Offsets (X, Y): [2:Edge,0-1-6], [2:0-1-11,0-4-13]		

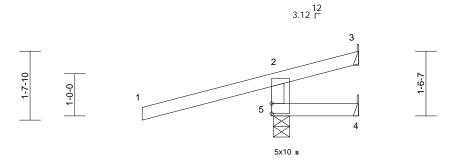
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	BC	0.71 0.57 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.06 -0.13 0.00	(loc) 2-4 2-4 4	l/defl >999 >544 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 23 lb	<b>GRIP</b> 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEDS WEDGE BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 Left: 2x4 SP No.2 Structural wood she 5-11-4 oc purlins, e Rigid ceiling directly bracing.	athing directly applie xcept end verticals. applied or 10-0-0 or 4= Mechanical C 9) 2 12), 4=-68 (LC 12)	LOAD CASE(S)									
FORCES TOP CHORD BOT CHORD NOTES 1) Wind: ASC Vasd=91m	(lb) - Maximum Com Tension 1-2=0/6, 2-3=-164/1 2-4=-56/61 CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose	pression/Maximum 12, 3-4=-193/238 (3-second gust) DL=6.0psf; h=35ft;	20)									
exterior zo Interior (1) exposed; ; members a Lumber DD 2) This truss chord live 3) Bearings a capacity of 4) Refer to gi 5) Provide mu bearing pla	one and C-C Exterior(2 ) 4-1-8 to 5-10-0 zone; end vertical left and rig and forces & MWFRS OL=1.60 plate grip DO has been designed for load nonconcurrent wi are assumed to be: Joi	E) -0-10-8 to 4-1-8, cantilever left and ri ght exposed;C-C for for reactions shown; L=1.60 r a 10.0 psf bottom th any other live load nt 2 SP No.2 crushin as connections.	ight ; ds. ng o							6	PE-2022	X Jan
6) This truss Internation R802.10.2	is designed in accorda nal Residential Code so and referenced stand	ections R502.11.1 a ard ANSI/TPI 1.	N THIS AND INCLUDED MITEK								PE-2022 PE-SSIONA Februa	L ENG 2024



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
305	11033	Thuss Type		I IV		DEVELOPMENT SERVICES 163369156
P240068	J27	Jack-Open	2	1	Job Reference (optional	
						00/00/0001

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 22 2:4 22 0:2 12:0 24 ID:avb54KhV2Xt7y9K5zwpPCFzRh6N-RfC?PsB70Hq3NSgPqnL8w3ulTXbG WrCDored Start 2 2 2 2 0:2 4





0-0-7		
	2-0-11	
0-0-7	2-0-4	
0-0-7		

#### Scale = 1:27.3

00010 = 1.21.0												
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	0.76	Vert(LL)	-0.01	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	0.00	4-5	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI201	4 Matrix-R							Weight: 12 lb	FT = 20%
LUMBER			6) This tru	ss is designed in acco	ordance wi	ith the 2018						
TOP CHORD	2x4 SP 1650F 1.5E			ional Residential Cod			and					
BOT CHORD	2x4 SP No.2		R802.1	0.2 and referenced st	andard AN	ISI/TPI 1.						
WEBS	2x4 SP No.2		LOAD CAS	E(S) Standard								
BRACING				.,								
TOP CHORD Structural wood sheathing directly applied or 2-0-11 oc purlins, except end verticals.												
BOT CHORD												
REACTIONS		anical, 4= Mechanica	al,									
	5=0-4-11											
	Max Horiz 5=56 (LC	,										
	Max Uplift 3=-74 (LC	C 1), 4=-38 (LC 1), 5	i=-278									
	(LC 8)	0) 4 20 (1 C 0) 5	504									
	Max Grav 3=55 (LC (LC 1)											
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD BOT CHORD	2-5=-429/671, 1-2=0 4-5=0/0	0/57, 2-3=-51/34										
NOTES												
	CE 7-16; Vult=115mph	(3-second aust)										
	nph; TCDL=6.0psf; BC											
Ke=1.00; 0	Cat. II; Exp C; Enclose	d; MWFRS (envelo	pe)									
exterior zo	one and C-C Corner (3	) zone; cantilever le	ft								and	all
	exposed ; end vertical										FOF I	MISON
	C-C for members and f		r							1	750	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	shown; Lumber DOL=	1.60 plate grip								B	STATE OF I	NIET XXX
DOL=1.60		n a 10 0 mai h atta								A	>/ INATHA	THEF IN N
2) This truss	has been designed fo	ra iu.u pst bottom							-		FO FO	

- 2) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads. 3) Bearings are assumed to be: , Joint 5 SP No.2 crushing capacity of 565 psi.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to
- bearing plate capable of withstanding 278 lb uplift at joint 5, 74 lb uplift at joint 3 and 38 lb uplift at joint 4.



February 6,2024



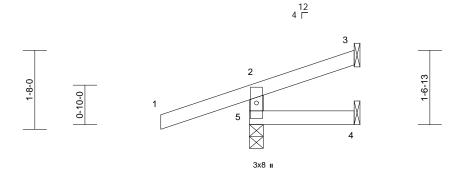


						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
505	11035	Truss Type	Gity	i iy		DEVELOPMENT SERVICES 163369157
P240068	J28	Jack-Open	4	1	Job Reference (optional	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20 3 2 2 2 3 1 2 2 3 1 2 2 3 1 2 2 2 3 1 2 2 3 1 2 2 2 3 1 2 2 3 1 2 2 2 3 1 2 3 1 2 2 3 1 2 2 3 1 1 2 3 1 1 3

2-2-8





											-	
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI201	CSI TC BC WB 4 Matrix-R	0.36 0.10 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 4-5 4-5 3	l/defl >999 >999 n/a	L/d 240 180 n/a	<b>PLATES</b> MT20 Weight: 10 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2-2-8 oc purlins, ex	athing directly applied cept end verticals. applied or 10-0-0 oc	Interna R802.1 LOAD CAS	uss is designed in actional Residential Co tional Residential Co 0.2 and referenced s SE(S) Standard	de sections	s R502.11.1 a	and					
	5=0-3-8 Max Horiz 5=58 (LC Max Uplift 3=-20 (LC (LC 8) Max Grav 3=20 (LC (LC 1) (lb) - Maximum Com Tension 2-5=-262/330, 1-2=0	5 12), 4=-1 (LC 1), 5= 1), 4=31 (LC 3), 5=30 pression/Maximum	-143									

NOTES

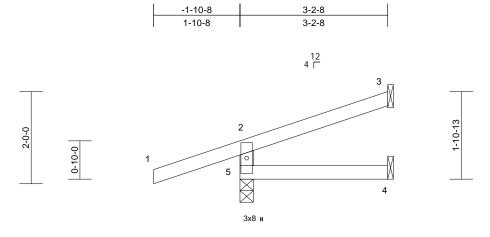
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.Bearings are assumed to be: , Joint 5 SP No.2 crushing
- capacity of 565 psi.
- 4) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 143 lb uplift at joint 5, 20 lb uplift at joint 3 and 1 lb uplift at joint 4.





						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
000	11035	Truss Type	Giy	i iy		DEVELOPMENT SERVICES 163369158
P240068	J29	Jack-Open	4	1	Job Reference (optional	
						00/00/0001

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:27 2/26 24 ID:\_xDNZkJ2M?zXkOS8fwm8SizRh6s-RfC?PsB70Hq3NSgPqnL8w3ulTXbG WrCDored are for the state of t



						3-2-8							
Scale = 1:25					1			I					
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	тс	0.36	Vert(LL)	0.00	4-5	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.01	4-5	>999	180			

TCDL BCLL		10.0 0.0	Lumber DOL Rep Stress Incr	1.15 YES	BC WB	0.08 0.00	Vert(CT) Horz(CT)	-0.01 0.01	4-5 3	>999 n/a	180 n/a		
BCDL		10.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 13 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	3-2-8 oc pu Rigid ceilir bracing. (size) Max Horiz Max Uplift Max Grav	.2 .2 wood shea urlins, exa g directly 3= Mecha 5=0-3-8 5=72 (LC 3=-42 (LC 3=69 (LC	athing directly applie cept end verticals. applied or 10-0-0 oc nical, 4= Mechanica 8) : 12), 5=-136 (LC 8) 1), 4=52 (LC 3), 5=3	; I,	Standard								
Vasd=91n Ke=1.00; exterior zc and right e exposed;0 reactions DOL=1.60	(lb) - Maxir Tension 2-5=-283/3 4-5=0/0 CE 7-16; Vult nph; TCDL=6 Cat. II; Exp C one and C-C exposed ; enc C-C for memb shown; Lumb	=115mph 5.0psf; BC 5; Enclose Exterior(2 d vertical I bers and fo ber DOL=1	orces & MWFRS for 1.60 plate grip								H	STATE OF J	MISSOUR
			a 10.0 psf bottom th any other live load	ls.							A	S NATHA	
	are assumed		pint 5 SP No.2 crush								ar	1	IVA
<ol> <li>4) Refer to g</li> <li>5) Provide m bearing pl</li> </ol>	irder(s) for tr echanical co	nnection ( of withstar	ss connections. by others) of truss to nding 136 lb uplift at	)							THE R	PE-2022	
6) This truss Internation	is designed i nal Residentia	in accorda al Code se	ance with the 2018 ections R502.11.1 ar ard ANSI/TPI 1.	nd							X	Februa	TEPO

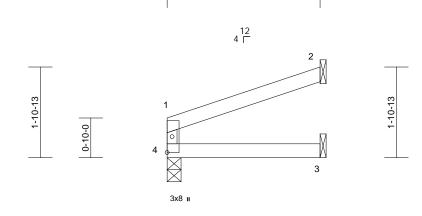


						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11055	Truss Type	Qiy	гу		DEVELOPMENT SERVICES 163369159
P240068	J30	Jack-Open	1	1	Job Reference (optional	

3-2-8

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

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:22/26:24 ID:hblk5LDf?s5WOJQoky8VgEzRh6z-RfC?PsB70Hq3NSgPqnL8w3ulTXbGr WrCDoi7942694



					3-2-8		_						
Scale = 1:24.2													
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	0.19	Vert(LL)	0.01	3-4	>999	240	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.01	3-4	>999	180			
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	2	n/a	n/a			

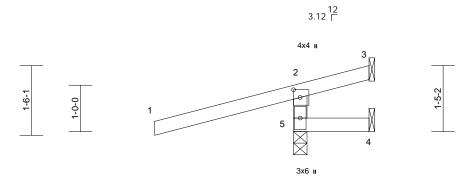
DOLL	0.0	Thep Olless Inci	120	0.0		π <u>z(</u> 01)	-0.01	2	11/a 11/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R						Weight: 10 lb	FT = 20%
LUMBER			LOAD CASE(S)	Standard	-						
TOP CHORD	2x4 SP No.2			olandara							
BOT CHORD	2x4 SP No.2										
WEBS	2x3 SPF No.2										
BRACING											
TOP CHORD		athing directly applied	or								
	3-2-8 oc purlins, exe										
BOT CHORD		applied or 10-0-0 oc									
	bracing.										
REACTIONS	(size) 2= Mecha 4=0-3-8	nical, 3= Mechanical,									
	4=0-3-6 Max Horiz 4=43 (LC	<i><b>Q</b></i> )									
	Max Uplift 2=-54 (LC	/									
	Max Grav 2=101 (LC		37								
	(LC 1)	.,,									
FORCES	(lb) - Maximum Com	pression/Maximum									
	Tension										
TOP CHORD	1-4=-112/116, 1-2=-	55/25									
BOT CHORD	3-4=0/0										
NOTES											
	CE 7-16; Vult=115mph										
	nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose										
	one and C-C Exterior(2										
	exposed ; end vertical I		L .							- march	alle
	C-C for members and for									ATEOFI	A sall
	shown; Lumber DOL=1	1.60 plate grip								4 SE	~0.0
DOL=1.60									A	NATHA	NIEI
	has been designed for load nonconcurrent with								R	FO FO	
	are assumed to be: , Jo								-61-	a America	
capacity of			9							++/	(
	irder(s) for truss to trus	ss connections.								AKA.	
	echanical connection (								MO		BER
	ate capable of withstar	nding 15 lb uplift at joir	nt						N,	O PE-2022	042259 / 🕰
	b uplift at joint 2.	14 4 OO ( C							Ŷ	The last	042259
	is designed in accorda								6	N'SIG	ENU
	and referenced stand									E'SSIONA	L
1002.10.2										and and	
										Februa	ry 6,2024



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
100	11055	Trass Type	Qty	гіу		DEVELOPMENT SERVICES 163369160
P240068	J31	Jack-Open	1	1	Job Reference (optional	LEFTE CUMMIT, MICCOURT

1-7-9





Scale =	1:24.9
---------	--------

#### Plate Offsets (X, Y): [2:0-2-0,0-1-12]

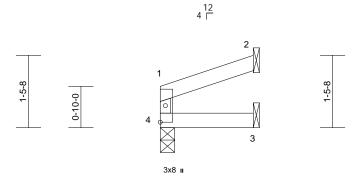
	· · · · ·	-									-	
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	0.00	4-5	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 10 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD			Ínternationa	designed in acco Residential Code and referenced sta	e sections	s R502.11.1 a	and					
WEBS	2x4 SP No.2		LOAD CASE(S)	Standard								
BRACING			()									
TOP CHORD	Structural wood she	athing directly applie	ed or									
	3-2-13 oc purlins, e	xcept end verticals.										
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 or	C									
REACTIONS	· · ·	anical, 4= Mechanica	al,									
	5=0-3-8 Max Horiz 5=51 (LC	0)										
	Max Uplift 3=-120 (LC	,										
	5=-297 (L											
	Max Grav 3=83 (LC		522									
	(LC 1)											
FORCES	(lb) - Maximum Corr	pression/Maximum										
	Tension	0 0 5 444/700										
TOP CHORD BOT CHORD	,	2, 2-5=-444/702										
NOTES	4-5=0/0											
	CE 7-16; Vult=115mph	(3-second quet)										
Vasd=91r Ke=1.00; exterior zc and right exposed;( reactions	mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Corner (3 exposed ; end vertical C-C for members and f shown; Lumber DOL=	DL=6.0psf; h=35ft; ed; MWFRS (envelop ) zone; cantilever lef left and right orces & MWFRS for	ft							H	STATE OF I	NIEL Z
DOL=1.60									-		[ / / EO	
	has been designed fo load nonconcurrent wi		do							KI	+ FF	
	are assumed to be: , Jo									W	han	y stros
capacity c	of 565 psi.		-						· · · ·	449		ER AND
	pirder(s) for truss to tru									N	PE-2022	042259 SA
	nechanical connection									Y	100	158
	late capable of withstar b lb uplift at joint 4 and f										C'SSIONA	LENA
Joint 0, 40		o apint at joint o									<b>U</b> UNA	TITES

February 6,2024

16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
005	11000		Guy	,		DEVELOPMENT SERVICES 163369161
P240068	J32	Jack-Open	1	1	Job Reference (optional	
				-		





1-10-8	

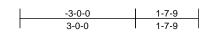
Scale = 1:23.2												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	0.00	3-4	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	3-4	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 6 lb	FT = 20%
	10.0	Code									weight. 6 b	F1 =

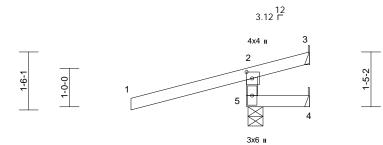
LUMB	ER		LOAD CASE(S)	Standard	
	CHORD 2x4 SP No.2				
	CHORD 2x4 SP No.2				
WEBS	2x3 SPF No.2	2			
BRAC	ING				
TOP (		od sheathing directly applied or			
DOT		rlins, except end verticals.			
BOLC	CHORD Rigid ceiling bracing.	directly applied or 10-0-0 oc			
REAC		Mechanical, 3= Mechanical, 0-3-8			
	4= Max Horiz 4=				
		-33 (LC 12), 4=-6 (LC 8)			
		59 (LC 1), 3=34 (LC 3), 4=79			
		C 1)			
FORC	· · /	m Compression/Maximum			
TOD	Tension	0.04/45			
	CHORD 1-4=-64/63, 1	-2=-34/15			
NOTE	CHORD 3-4=0/0				
		45mph (2 accord such)			
		15mph (3-second gust) psf; BCDL=6.0psf; h=35ft;			
		Enclosed; MWFRS (envelope)			
		terior(2E) zone; cantilever left			
	nd right exposed ; end v				Jane
ex	posed;C-C for member	s and forces & MWFRS for			THE OF MISSOL
	actions shown; Lumber	DOL=1.60 plate grip			A TE SOLV
	OL=1.60				
		ned for a 10.0 psf bottom rrent with any other live loads.			EOX NATHANIEL
		be: , Joint 4 SP No.2 crushing			BALLAN ANTER
	pacity of 565 psi.	be., com + or No.2 crushing			
	efer to girder(s) for trus	s to truss connections.			har han in this
5) Pi	ovide mechanical conn	ection (by others) of truss to			W THE WARDARDER CHER
		withstanding 6 lb uplift at joint 4			() PE-2022042259
	nd 33 lb uplift at joint 2.				N BI ISA
		accordance with the 2018			CSSIONAL ENGLE
		Code sections R502.11.1 and distandard ANSI/TPI 1.			NAL EN
R	buz. IU.z and reference	u stanuaru Angi/TPLT.			and
					February 6,2024



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	Truss	Truss Type	Qiy	FIY		DEVELOPMENT SERVICES 163369162
P240068	J33	Jack-Open	1	1	Job Reference (optional	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20 22 2/2 3 3 10 S APIGUxEQoBn8n9NudD6EOzRh7K-RfC?PsB70Hq3NSgPqnL8w3uITXt GKWrCD07642/C





0-0-8	
	1-7-9
	1-7-2
0-0-8	

Scale = 1:29.9

#### Plate Offsets (X, Y): [2:0-2-0,0-1-12]

		1	-	-								
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	0.00	4-5	>999	180	-	
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 10 lb	FT = 20%
LUMBER				designed in accord								
TOP CHORD				Residential Code s			d					
BOT CHORD				nd referenced stand	ard Ar	NSI/TPLT.						
WEBS	2x4 SP No.2		LOAD CASE(S)	Standard								
BRACING	o											
TOP CHORD			ed or									
BOT CHORD	1-7-9 oc purlins, ex Rigid ceiling directly											
BOT CHOILD	bracing.		,									
REACTIONS	0	anical, 4= Mechanica	I									
REACTION	(3/20) 5= Meene 5=0-4-11		ı,									
	Max Horiz 5=51 (LC	8)										
	Max Uplift 3=-120 (L	,										
	5=-297 (L											
	Max Grav 3=83 (LC	8), 4=39 (LC 8), 5=5	522									
	(LC 1)											
FORCES	(lb) - Maximum Corr	pression/Maximum										
	Tension											
TOP CHORD		)/55, 2-3=-56/52										
BOT CHORD	4-5=0/0											
NOTES												
	CE 7-16; Vult=115mph											
	nph; TCDL=6.0psf; BC		<b>`</b>								an	The
	Cat. II; Exp C; Enclose one and C-C Corner (3										TATE OF I	MICON
	exposed ; end vertical		l								BIE	0.0
	C-C for members and f									6	N	New
	shown; Lumber DOL=									B	S/ NAINA	TATEL 12 XY
DOL=1.60										#	FO	X
2) This truss	has been designed fo	r a 10.0 psf bottom								24		
chord live	load nonconcurrent wi	th any other live load	ds.							10	TT	
<ol><li>Bearings a</li></ol>	B) Bearings are assumed to be: , Joint 5 SP No.2 crushing								KER / NZ			
capacity o										17	DE 2022	042259
	irder(s) for truss to trus									N	PE-2022	042239 JAPA
	Provide mechanical connection (by others) of truss to								1 AB			
	bearing plate capable of withstanding 297 lb uplift at joint 3.								TENA			
JUIIT 5, 49	no upint at joint 4 anu	120 ib upilit at joint 3	•								Cas	
											m	

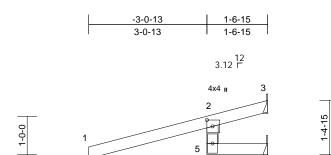
February 6,2024



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	Truss	Truss Type	Quy	гіу		DEVELOPMENT SERVICES 163369163
P240068	J34	Jack-Open	1	1	Job Reference (optional	
-						

1-6-2

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 22023 22 2/2 0 24 ID:dRNdNPqbX133YOzesEZ?NUzRh7T-RfC?PsB70Hq3NSgPqnL8w3uITXb GKWrCDw7322C?



 $\boxtimes$ 

3x6 II

Λ

4

0-0	)-8		
		1-6-15	
		1-6-8	
0-0	)-8		

Scale = 1:29.9

#### Plate Offsets (X, Y): [2:0-2-0,0-1-12]

											-	
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	0.76	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	0.00	4-5	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 10 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BBRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP 1650F 1.5E 2x4 SP No.2 2x4 SP No.2 Structural wood she 1-6-15 oc purlins, e Rigid ceiling directly bracing.	athing directly applie xcept end verticals. applied or 10-0-0 or nical, 4= Mechanica 8) C 1), 4=-54 (LC 1), C 8)	6) This truss is Internationa R802.10.2 <i>i</i> LOAD CASE(S ed or	designed in acc I Residential Coo and referenced st	de sections	R502.11.1	and				, rogn. ron	
FORCES TOP CHORD BOT CHORD	,	•										
	4-5=0/0											
NOTES		( <b>0</b>										
Vasd=91n Ke=1.00; exterior zc and right ( exposed;( reactions DOL=1.60 2) This truss chord live 3) Bearings capacity c 4) Refer to g 5) Provide m bearing pl	has been designed for load nonconcurrent wi are assumed to be: , Jo	DL=6.0psf; h=35ft; d; MWFRS (envelop ) zone; cantilever lef eft and right prces & MWFRS for I.60 plate grip r a 10.0 psf bottom th any other live loar bint 5 SP No.2 crush is connections. by others) of truss to ding 312 lb uplift at	t ds. ing o						-		STATE OF STATE OF NATHL FC PE-2022	ANIEL XX DER 0042259

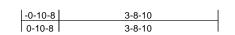
February 6,2024

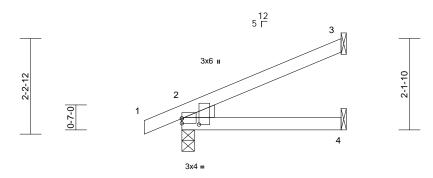
16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

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)

						RELEASE FOR CONSTRUCTION				
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW				
	11000		~.,	,		DEVELOPMENT SERVICES I63369164				
P240068	J35	Jack-Open	1	1	Job Reference (optional					

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20 22 Robert 22 Robert 24 ID:OiKEUKjxfGwLz0nvrvuVbzRh7c-RfC?PsB70Hq3NSgPqnL8w3uITXbGKV rCDoi73421644





		3-8-10	
Scale = 1:26.9	I		
Plate Offsets (X, Y): [2:Edge,0-1-6], [2:0-1-11,0-4-13]			

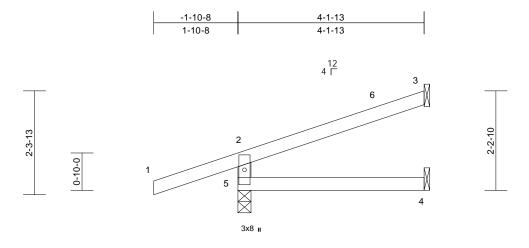
	(X, T). [Z.Luge,0-1-0],	, [2.0-1-11,0-4-13]										
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-P	0.23 0.14 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.02 0.00	(loc) 2-4 2-4 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 14 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEDGE BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 Left: 2x4 SP No.2 Structural wood she 3-8-10 oc purlins. Rigid ceiling directly bracing.	v applied or 10-0-0 o 3= Mechanical, 4= :al 12) C 12), 3=-72 (LC 12)	Internation R802.10.2 LOAD CASE(	is designed in acca lal Residential Cod and referenced st <b>S)</b> Standard	le sections	R502.11.1 a	and					
Vasd=91r Ke=1.00; exterior zc and right exposed; reactions DOL=1.60 (2) This truss chord live 3) Bearings capacity of 4) Refer to 5) Provide m bearing pl	2-4=0/0 CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose exposed ; end vertical C-C for members and f shown; Lumber DOL= 0 has been designed fo load nonconcurrent wi are assumed to be: , Ju	h (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop 2E) zone; cantilever left and right iorces & MWFRS for 1.60 plate grip r a 10.0 psf bottom ith any other live loa oint 2 SP No.2 crust lss connections. (by others) of truss t	left ds. ning o						•		PE-2022	BER 042259

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/TPI1 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)



February 6,2024

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		
P240068	J36	Jack-Open	1	1	Job Reference (optional	DEVELOPMENT SERVICES 163369165 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springh	ed Jan 3 12:0:23 22/29:24					



						4-1-13						
Scale = 1:25.7												
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	0.36	Vert(LL)	-0.01	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.02	4-5	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 16 lb	FT = 20%

	MBER			LOAD CASE(S)	Standard
WEI	T CHORD	2x4 SP N 2x4 SP N			
	ACING	284 OF IN	10.2		
	P CHORD	Structura	I wood sheathing directly applied or		
101	CHORD		purlins, except end verticals.		
BOT	T CHORD		ing directly applied or 10-0-0 oc		
RE/	ACTIONS	(size)	3= Mechanical, 4= Mechanical, 5=0-3-8		
		Max Horiz	5=86 (LC 8)		
			3=-59 (LC 12), 5=-136 (LC 8)		
		Max Grav	3=106 (LC 1), 4=71 (LC 3), 5=355 (LC 1)		
FOF	RCES		imum Compression/Maximum		
тог	- CHORD	Tension	/381, 1-2=0/45, 2-3=-60/30		
	T CHORD		/381, 1-2=0/43, 2-3=-00/30		
	TES	10-0/0			
		CE 7-16 <sup>.</sup> Vu	Ilt=115mph (3-second gust)		
			=6.0psf; BCDL=6.0psf; h=35ft;		
			C; Enclosed; MWFRS (envelope)		
			C Exterior(2E) -1-10-8 to 3-1-8,		
			1-1 zone; cantilever left and right		
			I left and right exposed;C-C for & MWFRS for reactions shown;		
			ate grip DOL=1.60		
			lesigned for a 10.0 psf bottom		
			ncurrent with any other live loads.		
			d to be: , Joint 5 SP No.2 crushing		
	capacity o				
			truss to truss connections. connection (by others) of truss to		
			of withstanding 136 lb uplift at		
		d 59 lb uplift			
			in accordance with the 2018		
			tial Code sections R502.11.1 and		
	R802.10.2	2 and refere	nced standard ANSI/TPI 1.		



February 6,2024

OF MISSOL

NATHANIEL FOX

MARSER C

PE-2022042259

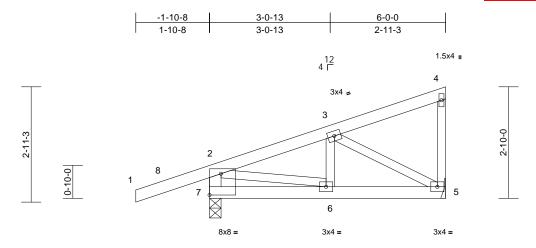
OFFESSIONAL EN

Com

TE

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
100	11055	Truss Type	Qiy	гіу		DEVELOPMENT SERVICES 163369166
P240068	J37	Jack-Closed	10	1	Job Reference (optional	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 22 2/2 3 ID:gWB0q5P002WAEsDjigwYvuzRh81-RfC?PsB70Hq3NSgPqnL8w3ulTXbC WrCDored Establish





Scale =	1:29.3	

Plate Offsets (X, Y	): [7:Edge,0-6-8]
---------------------	-------------------

`	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1		1							1	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	0.00	6	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.01	6-7	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P		-					Weight: 29 lb	FT = 20%
LUMBER			6) This truss is	designed in acc	ordance w	ith the 2018						
TOP CHORD	2x4 SP No.2		Internationa	I Residential Coc	de sections	R502.11.1 a	and					
BOT CHORD	2x4 SP No.2		R802.10.2 a	and referenced st	andard AN	ISI/TPI 1.						
WEBS	2x3 SPF No.2 *Exce	pt* 7-2:2x4 SP No.2	2 LOAD CASE(S	Standard								
BRACING												
TOP CHORD	Structural wood she	athing directly applie	ed or									
	6-0-0 oc purlins, ex	cept end verticals.										
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	с									
	bracing.											
	( )	anical, 7=0-3-8										
	Max Horiz 7=131 (LO	,										
	Max Uplift 5=-59 (LC	,, , , ,										
	Max Grav 5=234 (L0	C 1), 7=425 (LC 1)										
FORCES	(lb) - Maximum Corr	pression/Maximum										
	Tension											
TOP CHORD	2-7=-400/404, 1-2=0	, , ,										
	3-4=-81/59, 4-5=-89											
BOT CHORD	6-7=-303/133, 5-6=-											
WEBS	3-5=-290/254, 3-6=0	)/105, 2-6=0/224										
NOTES												
	CE 7-16; Vult=115mph											
Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft;												
Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope)							TO					
	ne and C-C Exterior(2										OF I	MISSO
interior (1)	3-0-13 to 5-10-12 zor	ie; cantilever left an	u							0	HAV	

- 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 2) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads. 3) Bearings are assumed to be: Joint 7 SP No.2 crushing
- capacity of 565 psi.

- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 155 lb uplift at joint 7 and 59 lb uplift at joint 5.



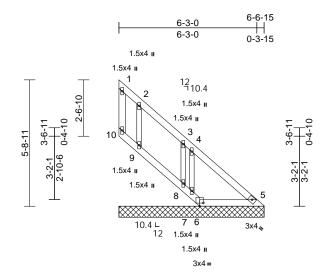
February 6,2024

 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 besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property 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 **ANS/TPH1 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)



						RELEASE FOR CONSTRUCTION
Job	Truss		Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11055	Truss Type	Qty	FIY		DEVELOPMENT SERVICES 163369167
P240068	LG01	Lay-In Gable	1	1	Job Reference (optional	
						00/00/000/

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:24 22/26 24 ID:gEgbFHBL0kNaiFQSGb6ZjJzRh8I-RfC?PsB70Hq3NSgPqnL8w3uITXbGr WrCDoi794269.



3-7-14	6-6-15
3-7-14	2-11-1

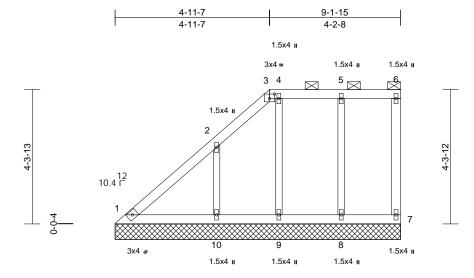
Scale = 1:52.2	
Plate Offsets (X, Y):	[6:0-2-0,0-1-12]

Plate Offsets (	X, Y): [6:0-2-0,0-1-12	2]			-							-	
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	<b>CSI</b> TC BC WB Matrix-P	0.15 0.09 0.07	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 31 lb	<b>GRIP</b> 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 5=6-6-15 8=6-6-15 Max Horiz 10=-183 Max Uplift 6=-184 (L 9=-75 (LC Max Grav 5=145 (L 7=204 (L	/ applied or 6-0-0 oc , 6=6-6-15, 7=6-6-15 , 9=6-6-15, 10=6-6-1 (LC 13) _C 13), 7=-172 (LC 1 C 13), 10=-64 (LC 11	8) , 9) 5 10 3), 10 ), 10	Gable requir Gable studs This truss ha chord live loa All bearings capacity of 5 Provide mec bearing plate 10, 184 lb up uplift at joint Beveled plat surface with D) This truss is International	hanical connection e capable of withs lift at joint 6, 75 l 7. e or shim require truss chord at joi designed in acco Residential Codin nd referenced sta	ttom chor pc. for a 10.0 with any pe SP No. pon (by oth standing 6 b uplift at d to provi nt(s) 10, 5 vrdance w e sections	d bearing. ) psf bottom other live load 2 crushing ers) of truss tr 4 lb uplift at jo joint 9 and 17 de full bearing 0, 8, 7. th the 2018 R502.11.1 a	ds. o pint 72 lb					
FORCES	(lb) - Maximum Con Tension	npression/Maximum											
TOP CHORD	1-10=-42/41, 1-2=-6 3-4=-196/117, 4-5=-	, ,											
BOT CHORD	9-10=-303/483, 8-9= 6-7=-315/513, 5-6=	=-306/491, 7-8=-285/ -221/365	496,									- COLO	all
WEBS	2-9=-124/150, 3-8=-	-30/37, 4-7=-237/286	i									F. OF I	MISS
Vasd=91n Ke=1.00; ( exterior zc Interior (1) exposed; members Lumber D 2) Truss des only. For see Stand	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 5-1-12 to 6-2-9 zone: end vertical left and ri and forces & MWFRS OL=1.60 plate grip DC signed for wind loads i studs exposed to wind ard Industry Gable En qualified building desi	CDL=6.0psf; h=35ft; ad; MWFRS (envelop 2E) 0-1-12 to 5-1-12, ; cantilever left and ri ght exposed;C-C for for reactions shown DL=1.60 n the plane of the trud (normal to the face) id Details as applicat	ght ss ,								N	OF PE-2022	X EER 042259 55 6

## 16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11035	Truss Type		i iy		DEVELOPMENT SERVICES I63369168
P240068	LG02	Lay-In Gable	1	1	Job Reference (optional	
	-				•	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:422/20:41 ID:oTQ4Qv8rzWt8De6h111dZTzRh8M-RfC?PsB70Hq3NSgPqnL8w3uITXbGtWrCDoi 1942591



9-1-15

Scale = 1:37

Plate Offsets (X, Y): [3:0-2-0,0-1-12]

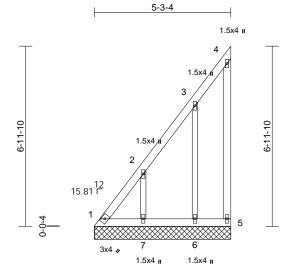
Plate Olisets	(X, Y): [3:0-2-0,0-1-12	.]										-	
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/T	PI2014	<b>CSI</b> TC BC WB Matrix-S	0.19 0.07 0.07	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 7	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 41 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SPF No.3 2x3 SPF No.2 Structural wood she 6-0-0 oc purlins, ex 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. (size) 1=9-1-15, 9=9-1-15, Max Horiz 1=171 (LC Max Uplift 1=-17 (LC (LC 8), 9= 12) Max Grav 1=145 (LC	rapplied or 10-0-0 oc ,7=9-1-15, 8=9-1-15 ,10=9-1-15 C 9) C 8), 7=-16 (LC 9), 8= =-66 (LC 9), 10=-156 C 20), 7=64 (LC 1), 8	o s o d or d or d or d or d or d or d or d	only. For stu see Standard Provide adeo All plates are Gable require Gable studs s This truss ha chord live loa pacity of 51 Provide mech pearing plate t, 16 lb uplift uplift at joint s this truss is o nternational	hed for wind loads in ds exposed to wind I Industry Gable En- alified building desig- juate drainage to pr 1.5x4 MT20 unless es continuous bottor spaced at 0-0-0 oc. s been designed for d nonconcurrent wi are assumed to be \$ 55 psi. nanical connection ( capable of withstar at joint 7, 156 lb up 9 and 49 lb uplift at designed in accorda Residential Code so d referenced stand	I (norm d Deta gner a: event s other m chor r a 10.1 ith any SP No. (by oth nding 1 slift at ju joint 8. ance w ections	al to the face) ils as applicat s per ANSI/TF water ponding wise indicateo: d bearing. 0 psf bottom other live load 2 crushing ers) of truss to 7 lb uplift at jo point 10, 66 lb ith the 2018 s R502.11.1 a	), ble, Pl 1. J. J. ds. o oint					
FORCES	19) (lb) - Maximum Com	9=148 (LC 1), 10=293 npression/Maximum	12) G		rlin representation c ition of the purlin alc			ize					
TOP CHORD	,	, , ,	LOAI	D CASE(S)	Standard								m
BOT CHORD	4-5=-83/90, 5-6=-83 1-10=-82/90, 9-10=- 7-8=-82/90											TATE OF I	MISSO
this desig 2) Wind: AS( Vasd=91r Ke=1.00; exterior zc and right exposed;(	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 exposed ; end vertical I C-C for members and f shown; Lumber DOL="	been considered for (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop E) zone; cantilever le left and right orces & MWFRS for	e)								E.	PE-2022	ALER OLZER

February 6,2024

st.org) Mile Vice Rd. Chesterfield, MO 63017 314.434.1200 / MITek-US.com

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
365	11035	Truss Type	Quy	I IY		DEVELOPMENT SERVICES I63369169
P240068	LG03	Lay-In Gable	1	1	Job Reference (optional	
			-			

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 220 24 22/2 10 24 ID:Nulynu6ygbVaMAO6LdUwxqzRh8P-RfC?PsB70Hq3NSgPqnL8w3uITXbC WrCDord 4250 17



1.5x4 🛚

5-3-4 \_

Scale = 1:44.5

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	0.77	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.03	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-P							Weight: 33 lb	FT = 20%
LUMBER			6)	All bearings a	re assumed to b	be SP No.	2 crushing						
TOP CHORD	2x4 SP No.2			capacity of 56									
BOT CHORD					anical connection								
WEBS	2x4 SPF No.3				capable of withs								
OTHERS	2x3 SPF No.2				uplift at joint 5,	198 lb upl	ift at joint 7 a	nd					
BRACING				163 lb uplift at			ith the 2010						
TOP CHORD					lesigned in acco Residential Code			nd					
	5-3-7 oc purlins, ex				d referenced sta			inu					
BOT CHORD	J J ,	applied or 10-0-0 o	C	AD CASE(S)			0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
	bracing.				Stanuaru								
REACTIONS													
		Max Horiz   1=270 (LC 9) Max Uplift   1=-144 (LC 10), 5=-123 (LC 11),											
	Max Grav 1=255 (L	.C 12), 7=-198 (LC 1											
		7=236 (LC 19)	0=204										
FORCES	(lb) - Maximum Corr	pression/Maximum											
	Tension												
TOP CHORD	1-2=-561/559, 2-3=-	370/377, 3-4=-195/2	207,										
	4-5=-187/163												
BOT CHORD	1-7=-127/138, 6-7=-	128/139, 5-6=-129/	140										
WEBS	2-7=-275/287, 3-6=-	236/236											
NOTES													
1) Wind: AS	CE 7-16; Vult=115mph	(3-second gust)											
Vasd=91r	mph; TCDL=6.0psf; BC	DL=6.0psf; h=35ft;										GODI	m
	Cat. II; Exp C; Enclose											A OF.	MISC
	one and C-C Corner (3		ft								1	750	1,0°
	exposed ; end vertical										A	NATIL.	New York
	C-C for members and f		r								A	STATE OF	TIMEL / Y
	shown; Lumber DOL=	1.60 plate grip									2	FO	X

- Truss designed for wind loads in the plane of the truss 2) 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. 3)
- Gable studs spaced at 0-0-0 oc. 4)
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

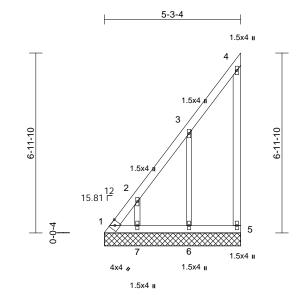
 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value for use only with with twit even connectors. This design is based only upon parameters shown, and is for an individual building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer. 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/TPI 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)



PE-2022042259

ESSIONAL ET

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	Truss	Truss Type		гіу		DEVELOPMENT SERVICES 163369170
P240068	LG04	Lay-In Gable	1	1	Job Reference (optional	
			-			



5-3-4

Scale = 1:44.6

		i			i								
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	0.76	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES		WB	0.11	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-P	-						Weight: 31 lb	FT = 20%
LUMBER			6)	All bearings	are assumed to b	e SP No.	2 crushing						
TOP CHORD	2x4 SP No.2		,	capacity of 5	65 psi.		Ū						
BOT CHORD	2x4 SP No.2		7)		hanical connectio								
WEBS	2x4 SPF No.3				e capable of withs								
OTHERS	2x3 SPF No.2				b uplift at joint 5,	160 lb up	ift at joint 7 a	nd					
BRACING			0)	206 lb uplift			all the 0040						
TOP CHORD	Structural wood she		ed or <sup>8)</sup>		designed in acco Residential Code			nd					
	5-3-7 oc purlins, ex				nd referenced sta			na					
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	c i			inuaru Ar	131/1711.						
	bracing.												
REACTIONS	( )	5=5-3-4, 6=5-3-4, 7=	=5-3-4										
	Max Horiz 1=270 (LC												
	Max Uplift 1=-174 (LC 10), 5=-122 (LC 11),												
	6=-206 (L Max Grav 1=269 (L	.C 12), 7=-160 (LC 1											
		7=191 (LC 19)	0=255										
FORCES	(lb) - Maximum Corr	· /											
TORGES	Tension	ipression/maximum											
TOP CHORD	1-2=-591/584, 2-3=-	439/443. 3-4=-228/2	239.										
	4-5=-228/197		,										
BOT CHORD	1-7=-126/137, 6-7=-	128/139, 5-6=-129/	140										
WEBS	2-7=-223/232, 3-6=-	291/298											
NOTES													
1) Wind: ASC	CE 7-16; Vult=115mph	(3-second gust)											
Vasd=91m	nph; TCDL=6.0psf; BC	DL=6.0psf; h=35ft;										and	Jun
	Cat. II; Exp C; Enclose											A OF	MISO
	one and C-C Corner (3		ft									950	W.OS
	exposed ; end vertical										A	STATE OF	New York
	C-C for members and f		ſ								4	S/ NATHA	UNIEL VY
	shown; Lumber DOL=	1.60 plate grip									2	A I PO	And the second
DOL=1.60													

- Truss designed for wind loads in the plane of the truss 2) 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. 3)
- Gable studs spaced at 0-0-0 oc. 4)
- This truss has been designed for a 10.0 psf bottom 5) chord live load nonconcurrent with any other live loads.

 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 besign value for use only with with twit even connectors. This design is based only upon parameters shown, and is for an individual building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer. 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/TPI 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)



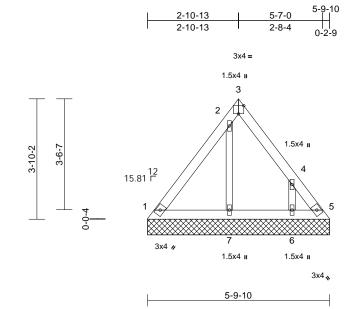
February 6,2024

PE-2022042259

ESSIONAL ET

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11055	Truss Type	Qty	гіу		DEVELOPMENT SERVICES 163369171
P240068	LG05	Lay-In Gable	1	1	Job Reference (optional	
						00/00/000/

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20 32 2/2 2 10:89iYup?JnqMrnoCNKEqp4xzRh8Y-RfC?PsB70Hq3NSgPqnL8w3ulTXbGt WrCDoi 342 344



Scale = 1:36.8

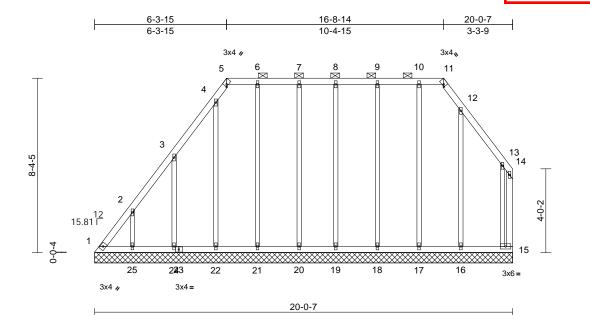
### Plate Offsets (X, Y): [3:Edge,0-3-2]

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	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES		WB	0.07	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018	/TPI2014	Matrix-P							Weight: 25 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 Structural wood she 5-10-0 oc purlins. Rigid ceiling directly bracing. (size) 1=5-9-10, 7=5-9-10 Max Horiz 1=-104 (L Max Uplift 1=-29 (LC	athing directly applie applied or 6-0-0 oc 5=5-9-10, 6=5-9-10 C 8) C 10), 5=-34 (LC 11), C 13), 7=-218 (LC 1	5) 6) 7) ed or 8) , 9) LO 2)	Gable studs This truss ha chord live loa All bearings i capacity of 5 Provide mec bearing plate 1, 34 lb uplift uplift at joint This truss is International	spaced at 0-0-0 c s been designed id nonconcurrent are assumed to b 65 psi. nanical connectio capable of withs at joint 5, 218 lb 6. designed in accoo Residential Code ad referenced sta	for a 10. with any e SP No. on (by oth tanding 2 uplift at ju rdance w e sections	other live loa 2 crushing ers) of truss t 9 lb uplift at j bint 7 and 162 ith the 2018 R502.11.1 a	o oint 2 lb					
	6=192 (L	C 20), 7=296 (LC 19)											
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD		83/63, 3-4=-79/79,											
BOT CHORD		144/152, 5-6=-142/1	50										
WEBS	2-7=-311/249, 4-6=-	220/181											
NOTES													
	ed roof live loads have n.	been considered for										TATE OF	MISS
Vasd=91n Ke=1.00; exterior zc and right e exposed; reactions : DOL=1.60 3) Truss des only. For see Stand or consult	CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 exposed ; end vertical C-C for members and f shown; Lumber DOL= ) signed for wind loads in studs exposed to wind lard Industry Gable En c qualified building desi juries continuous botto	DL=6.0psf; h=35ft; d; MWFRS (envelop E) zone; cantilever I left and right orces & MWFRS for 1.60 plate grip n the plane of the tru I (normal to the face) d Details as applicat gner as per ANSI/TF	eft ss ,							r 		FO HAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	MAR 1042259



February 6,2024

						RELEASE FOR CONSTRUCTION
Job	Truss	Truce Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11055	Truss Type	Qly	гіу		DEVELOPMENT SERVICES 163369172
P240068	LG06	Lay-In Gable	1	1	Job Reference (optional	
			•			



Scale =	1:55.2
---------	--------

Plate Offsets (X, Y):	[5:0-1-3,Edge], [11:0-1-3,Edge]

Flate Olisets (	(A, T). [5.0-1-5,Euge]	], [11.0-1-3,⊑uge]	_										
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	8/TPI2014	CSI TC BC WB Matrix-S	0.19 0.08 0.26	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 15	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 124 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SP No.2 2x4 SPF No.3 2x3 SPF No.2 Structural wood she	eathing directly appliec xcept end verticals, an 0-0 max.): 5-11.	W d or	EBS	1-25=-79/91, 24-2 21-22=-81/92, 20- 18-19=-81/92, 17- 15-16=-81/92 2-25=-209/194, 3 4-22=-205/167, 6- 8-19=-130/60, 9-1 10-17=-138/113, ' 13-15=-188/148	21=-81/9 18=-81/9 24=-271 21=-142 8=-145/9	92, 19-20=-81 92, 16-17=-81 /250, /92, 7-20=-13 90,	/92, /92, /92, 81/76,	bea joint 224 uplit 19, uplit 11) This Inte	ring pla t 1, 111 Ib uplif ft at joir 64 Ib up ft at joir s truss i rnation	te capa Ib uplit t at joir at 21, 5 olift at j at 16. s desig al Resid	able of withstandi ft at joint 15, 178 it 24, 133 lb uplift 4 lb uplift at joint : oint 18, 82 lb upli upled in accordance dential Code sect	20, 39 lb uplift at joint ft at joint 17 and 53 lb ce with the 2018 ions R502.11.1 and
BOT CHORD	Rigid ceiling directly bracing. (size) 1=20-0-7 17=20-0- 20=20-0- 24=20-0- Max Horiz 1=290 (L Max Uplift 1=-229 (I 16=-53 (I	y applied or 10-0-0 oc 7, 15=20-0-7, 16=20-0- 7, 18=20-0-7, 19=20-( -7, 21=20-0-7, 22=20-( -7, 25=20-0-7 C, 9) LC 10), 15=-111 (LC 1 LC 13), 17=-82 (LC 11	1) -7, 2) -7, 2) -7, 2)	this design. Wind: ASCE Vasd=91mp Ke=1.00; Ca exterior zon Interior (1) 5 Interior (1) 1	d roof live loads ha E 7-16; Vult=115m bh; TCDL=6.0psf; E at. II; Exp C; Enclo te and C-C Exterio 5-3-8 to 6-4-2, Exte 13-6-14 to 16-9-1, one; cantilever left	ph (3-seo 3CDL=6. sed; MW r(2E) 0-3 erior(2R) Exterior(:	cond gust) 0psf; h=35ft; /FRS (enveloj -8 to 5-3-8, 6-4-2 to 13-6 2E) 16-9-1 to	pe) -14,	12) Gra or th	phical p ne orier om cho	ourlin re itation rd.	of the purlin along	s not depict the size
	20=-54 (I 22=-133 25=-178 Max Grav 1=306 (L 16=184 ( 18=184 ( 20=168 (	C 9), 15=193 (LC 20), (LC 26), 17=174 (LC 22), (LC 25), 19=166 (LC 1) (LC 26), 21=182 (LC 22) (LC 19), 24=231 (LC 1)	3) 2), ), 5), 9), 4) 5)	vertical left a forces & MV DOL=1.60 p Truss desig only. For st see Standal or consult q Provide ade All plates ar	and right exposed; WFRS for reactions plate grip DOL=1.6 gned for wind loads tuds exposed to wind loads tuds exposed to wind ualified building de aquate drainage to re 1.5x4 MT20 unle	C-C for r s shown; 0 s in the p nd (norm End Deta esigner a prevent ess other	nembers and Lumber lane of the tru al to the face ils as applica s per ANSI/TI water ponding wise indicated	uss ), ble, PI 1. g.			Ħ	STATE OF I	MISSOLUE NIEL
FORCES TOP CHORD	(Ib) - Maximum Compression/Maximum 6 Tension 7			Gable studs This truss h chord live lo	ires continuous bot s spaced at 0-0-0 c as been designed bad nonconcurrent are assumed to b 565 psi.	oc. for a 10. with any	0 psf bottom other live loa	ıds.				PE-2022	BER DA2259

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/TPI1 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)

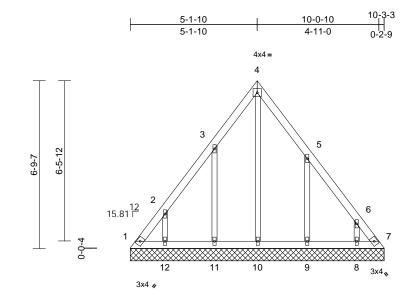


February 6,2024

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11055	Truss Type	Qty	гіу		DEVELOPMENT SERVICES 163369173
P240068	LG07	Lay-In Gable	1	1	Job Reference (optional)	
-						

DOL=1.60

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20 36 22/2 9 24 ID:NdDXD4vlgMM\_pZbrsZgxlFzRh8g-RfC?PsB70Hq3NSgPqnL8w3ulTXbGi WrCDoi7942691



10-3-3

Scale = 1:46.6

00010 - 1.40.0	, 													
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	0.08	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	0.10	Horiz(TL)	0.00	7	n/a	n/a		
BCDL		10.0	Code	IRC20	18/TPI2014	Matrix-S							Weight: 52 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD				3	only. For stu	ned for wind load uds exposed to w d Industry Gable	vind (norm	al to the face	e),					
OTHERS	2x3 SPF					alified building d								
BRACING				4	) All plates are	e 1.5x4 MT20 un	less other	wise indicate	d.					
TOP CHORD	Structura 6-0-0 oc		athing directly applie	6	) Gable studs	es continuous bo spaced at 0-0-0	oc.							
BOT CHORD	<ul> <li>Rigid cei bracing.</li> </ul>	ling directly	applied or 10-0-0 oc	ن	chord live loa	as been designed ad nonconcurren	nt with any	other live loa	ads.					
REACTIONS	Max Horiz Max Uplift	9=10-3-3; 12=10-3-3; 1=-193 (L 1=-116 (L 8=-157 (L 11=-184 ( 1=225 (L 8=187 (L	.C 8) .C 10), 7=-108 (LC 1 .C 13), 9=-204 (LC 1 (LC 12), 12=-171 (LC C 12), 7=227 (LC 13) C 20), 9=251 (LC 20) .C 22), 11=228 (LC	5, g 3-3, g 1), 3), 2 12) 1 ), 1 ), 19).	<ul> <li>capacity of 5</li> <li>Provide mec bearing plate</li> <li>1, 108 lb upl</li> <li>uplift at joint</li> <li>joint 8.</li> <li>This truss is</li> <li>International</li> </ul>	hanical connecti capable of with ift at joint 7, 171 11, 204 lb uplift designed in acco Residential Cod nd referenced sta	ion (by oth istanding 1 Ib uplift at at joint 9 a ordance w le sections	ers) of truss 16 lb uplift a joint 12, 184 Ind 157 lb up ith the 2018 5 R502.11.1 a	t joint Ib lift at					
FORCES	(lb) - Max Tension	ximum Corr	pression/Maximum											
TOP CHORD		,	157/116, 3-4=-130/1 151/97, 6-7=-286/21	,										
BOT CHORD	10-11=-1		12=-130/182, 10=-130/182, 127/180										TATE OF I	MISS
WEBS			I=-233/207, 263/230, 6-8=-201/1	74								Ë	NATHA	NIEL
NOTES												H	FO	
<ol> <li>Unbalance this desig</li> <li>Wind: AS Vasd=910 Ke=1.00;</li> </ol>	gn. SCE 7-16; Vu mph; TCDL= ; Cat. II; Exp	ult=115mph =6.0psf; BC C; Enclose	been considered for (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop	oe)									than	A ER 5105 042259
and right exposed;	exposed ; e C-C for mer shown; Lun	nd vertical nbers and f	PE) zone; cantilever l left and right orces & MWFRS for 1.60 plate grip									Ŷ	FESSIONA	IL ENGINE

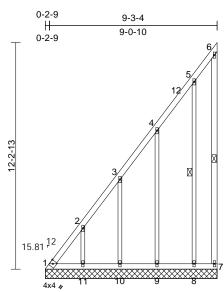
February 6,2024

16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

ana

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
505	11035	Truss Type	Qty	i iy		DEVELOPMENT SERVICES 163369174
P240068	LG08	Lay-In Gable	1	1	Job Reference (optional	
<b>6</b>	-		•			00/00/000

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:36 22/2 2 10:22 ID:22XOb2sPNR\_Py5sGBQ7E7czRh8j-RfC?PsB70Hq3NSgPqnL8w3uITXbcKWrCDord 2007 12:02 Provide A 10:00 Provided A 10:



9-3-4

Scale = 1:62.2

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES		WB	0.36	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 69 lb	FT = 20%
LUMBER			3)	All plates ar	e 1.5x4 MT20 ur	less other	wise indicate	d.					
TOP CHORD	2x4 SP No.2		4)		es continuous b								
BOT CHORD	2x4 SP No.2		5)	Gable studs	spaced at 0-0-0	OC.	0						
WEBS	2x4 SPF No.3		6)	This truss ha	as been designe	d for a 10.0	) psf bottom						
OTHERS	2x3 SPF No.2			chord live lo	ad nonconcurrer	nt with any	other live loa	ids.					
BRACING			7)	All bearings	are assumed to	be SP No.	2 crushing						
TOP CHORD	Structural wood she	athing directly applie	ed or	capacity of 5									
	6-0-0 oc purlins, ex		8)		hanical connect								
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	с		e capable of with uplift at joint 7,								
WEBS	bracing. 1 Row at midpt	6-7, 5-8			int 10, 201 lb up								
		,		at joint 8.									
REACTIONS		7=9-3-4, 8=9-3-4, 10=9-3-4, 11=9-3-4	9)	This truss is	designed in acc	ordance w	ith the 2018						
	Max Horiz 1=509 (L0	,		Internationa	Residential Cod	de sections	R502.11.1 a	and					
	Max Uplift 1=-218 (L	,	2)	R802.10.2 a	nd referenced st	tandard AN	ISI/TPI 1.						
		.C 12), 9=-201 (LC 12		OAD CASE(S)	Standard								
		LC 12), 11=-197 (LC											
	Max Grav 1=603 (L0												
		C 19), 9=241 (LC 19											
		_C 19), 11=239 (LC											
FORCES	(lb) - Maximum Com	,, (	,										
	Tension												
TOP CHORD	1-2=-847/689, 2-3=-	637/524, 3-4=-423/3	359,										
	4-5=-202/183, 5-6=-		- ,										
BOT CHORD	1-11=-3/3, 10-11=-2	/2, 9-10=-1/1, 8-9=-	1/1,										T
	7-8=0/0											STATE OF I	MIG
WEBS	2-11=-248/243, 3-10	)=-248/246,									6	ALEUT	A Ser
	4-9=-262/255, 5-8=-	202/175									A	A.M.	NSY
NOTES											4	NATHA	NIEL YPY

NOTES

- 1) 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) 0-3-8 to 7-4-6, Exterior (2R) 7-4-6 to 9-1-11 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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.



 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 besign value for use only with with twit even connectors. This design is based only upon parameters shown, and is for an individual building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer. 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/TPI 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)

16023 Swingley Ridge Rd. Chesterfield MO 63017 314.434.1200 / MiTek-US.com

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv		AS NOTED FOR PLAN REVIEW
300	11055	Truss Type	Qty	FIY		DEVELOPMENT SERVICES 163369175
P240068	LG09	Lay-In Gable	1	1	Job Reference (optional	
Describe Destriction Operation	(0	0.00000 Du		000 0 N		

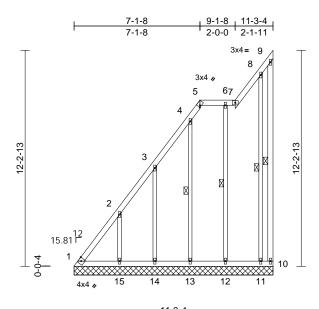
Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 20:27 2/26 24 ID:nwNEHHkWz3bz8PW91cQfBIzRh8u-RfC?PsB70Hq3NSgPqnL8w3uITXbe KWrCDor Jeze?

-

Com

February 6,2024

16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com



H

11-3-4

Scale = 1:65.3

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

	(/(, 1): [0:0 1 0,Eugo]		-				-					1	
Loading TCLL (roof)	(psf) 25.0		2-0-0 1.15		CSI TC	0.19	DEFL Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999		<b>GRIP</b> 244/190
TCDL	10.0		1.15		BC	0.13	Vert(TL)	n/a	-	n/a	999	W120	244/190
BCLL	0.0		YES		WB	0.20	Horiz(TL)	0.00	10	n/a	n/a		
BCDL	10.0			B/TPI2014	Matrix-S							Weight: 85 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP No.2 2x4 SP No.2 2x4 SPF No.3 2x3 SPF No.2		1)	Vasd=91mpł Ke=1.00; Ca exterior zone	7-16; Vult=115m n; TCDL=6.0psf; E t. II; Exp C; Enclo and C-C Exterior -3-8 to 7-1-12, Ext	3CDL=6. sed; MW r(2E) 0-3	0psf; h=35ft; FRS (envelop -8 to 5-3-8,	be)					
BRACING FOR CHORD Structural wood exactly applied or members and forces & MWFRS for reactions shown;													
TOP CHORD	6-0-0 oc purlins, ex 2-0-0 oc purlins (6-0			Lumber DOL Truss desigi	d forces & MWFR =1.60 plate grip I ned for wind loads ids exposed to wi	DOL=1.60 s in the p	) lane of the tru	ISS					
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc		see Standard	d Industry Gable E	End Deta	ils as applicat	ble,					
WEBS	1 Row at midpt	9-10, 4-13, 6-12, 8-11	. 3)		alified building de quate drainage to								
	15=11-3           Max Horiz         1=509 (L           Max Uplift         1=-195 (L           11=-29 (L         13=-283 (           15=-235 (         15=-235 (           Max Grav         1=579 (LC           11=124 (L         11=124 (L           13=-234 (L         15=283 (L	C 12) C 10), 10=-53 (LC 12) C 12), 12=-25 (LC 12) LC 12), 14=-167 (LC 1 LC 12) C 12), 10=23 (LC 10), C 19), 12=197 (LC 1), LC 19), 14=216 (LC 19) LC 19)	5) 6) 7) , (2), 8) 9)	Gable require Gable studs This truss hat chord live loa All bearings a capacity of 5 Provide mec bearing plate joint 1, 53 lb lb uplift at joi	1.5x4 MT20 unless continuous bot spaced at 0-0-0 o s been designed ad nonconcurrent are assumed to bi 65 psi. hanical connectio c capable of withsi uplift at joint 10, 2 nt 14, 283 lb uplift 29 lb uplift at joint	tom chor oc. for a 10.1 with any e SP No. n (by oth tanding 1 235 lb up t at joint	d bearing. 0 psf bottom other live loa 2 crushing ers) of truss to 95 lb uplift at lift at joint 15,	ds. o 167				Same	
FORCES	(lb) - Maximum Corr Tension	pression/Maximum	10	) This truss is	designed in accor Residential Code	rdance w		nd			9	ATE OF	MISSO
TOP CHORD	4-5=-87/59, 5-6=-11 7-8=-98/89, 8-9=-41	, , ,	,	R802.10.2 ar ) Graphical pu	rlin representation ation of the purlin	ndard AN n does ne	ISI/TPI 1. ot depict the s			٢	A	S NATHA	NIEL Y Y
BOT CHORD	1-15=-2/3, 14-15=-1 12-13=0/1, 11-12=0/			bottom chord	i						R/		
WEBS	2-15=-286/250, 3-14			DAD CASE(S)	Siandard						Ma	Xhand	BER
NOTES											Ø	OFFE-2022	12A

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	DIV		AS NOTED FOR PLAN REVIEW
300	11055	Truss Type	Qly	гіу		DEVELOPMENT SERVICES 163369176
P240068	LG10	Lay-In Gable	2	1	Job Reference (optional)	LEFTE CUMMIT, MICCOUDI
		·			-	

4-7-8

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 220 27 2/2 9 24 ID:4?mSBscEK?KOxtIESWFJnBzRh92-RfC?PsB70Hq3NSgPqnL8w3uITXbc KWrCDor94290 7

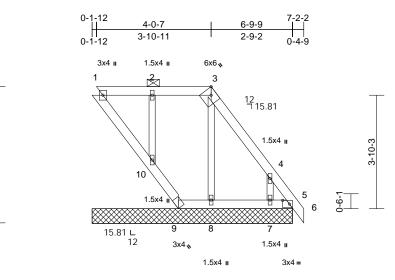




Plate Offsets (X, Y):	[3:0-2-13,Edge], [5:0-2-12,0-1-8]

Scale = 1:39.1

	(X, T): [0:0 2 10,2490	j, [0:0 2 12,0 1 0]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201 3)		CSI TC BC WB Matrix-P				(loc) - - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 32 lb	<b>GRIP</b> 244/190 FT = 20%
TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x3 SPF No.2 Structural wood she 6-0-0 oc purlins, exo 2-0-0 oc purlins (6-0	cept )-0 max.): 1-3.	6) 7) c	see Standar or consult qu Provide adeu Gable requir Gable studs This truss ha chord live los All bearings	Juds exposed to w d Industry Gable Lalified building d quate drainage to es continuous bo spaced at 0-0-0 ( as been designed ad nonconcurrent are assumed to b	End Deta esigner as prevent v ottom chor oc. I for a 10.0 t with any	ils as applica s per ANSI/TI water ponding d bearing. ) psf bottom other live loa	ble, PI 1. g.					
REACTIONS	8=6-9-9, 9 Max Horiz 1=-173 (L Max Uplift 1=-21 (LC 7=-201 (L Max Grav 1=100 (LC 7=224 (LC	C 8), 5=-40 (LC 10), -C 12), 9=-80 (LC 12 -C 8)	·· 10	bearing plate 1, 80 lb uplif at joint 10 ar ) Beveled plat surface with 1) This truss is International	Not psi. hanical connection e capable of withs t at joint 9, 40 lb u ad 201 lb uplift at e or shim require truss chord at joi designed in acco Residential Codu nd referenced sta	standing 2 uplift at joi joint 7. ed to provi int(s) 1, 10 ordance w e sections	1 lb uplift at j nt 5, 54 lb up de full bearin ). ith the 2018 i R502.11.1 a	oint lift g					
FORCES	(lb) - Maximum Com Tension 1-2=-116/118, 2-3=- 4-5=-88/100, 5-6=0/	· 116/119, 3-4=-137/′	121,	<ol> <li>Graphical pu or the orienta bottom chore</li> </ol>	Irlin representatio ation of the purlin d.	on does no	ot depict the s	size					
this desig 2) Wind: AS Vasd=91r Ke=1.00; exterior z and right exposed;	1-10=-102/115, 9-10 7-8=-50/66, 5-7=-47 2-10=-169/77, 3-8=- ed roof live loads have n. CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 exposed ; end vertical C-C for members and f shown; Lumber DOL=	D=-87/123, 8-9=-50/6 /64 87/13, 4-7=-274/222 been considered fo (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop 2E) zone; cantilever left and right forces & MWFRS for	s6, 2 r be) left	OAD CASE(S)	Standard						The second se	PE-2022	X DER 042259

February 6,2024

nstitute (www.tpinst.org) https://www.tpinst.org/ nstitu

	RNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
	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 alway	ys required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the
fabricat	ion, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpin:
and BC	SI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 163369177
P240068	V01	Valley	2	1	Job Reference (optional	
Premier Building Supply	y (Springhill, KS), Spring Hills, KS - 66083,				1 2023 MiTek Industries, Inc. W PsB70Hq3NSgPqnL8w3uITXb0	
			7-8-12 7-8-12		8-5-2 0-8-6	
		1.5х4 и 1				
		6	12 〒5 1.5x4 町	I		
	3-9-6 3-6-6	5	2		7 3	
	۴ <u></u>	5 ⊔				

4

0.28

0.14

80.0

1.5x4 u 8-5-2

DEFL

Vert(LL)

Vert(TL)

Horiz(TL)

in

n/a

n/a

0.00

(loc)

3

3x4 🖕

l/defl

n/a 999

n/a 999

n/a n/a

L/d

PLATES

Weight: 28 lb

MT20

GRIP

197/144

FT = 20%

Gable requires continuous bottom chord bearing. 3) 4) Gable studs spaced at 4-0-0 oc.

Lumber DOL=1.60 plate grip DOL=1.60

- This truss has been designed for a 10.0 psf bottom 5)
- chord live load nonconcurrent with any other live loads. 6) All bearings are assumed to be SP No.2 crushing
- capacity of 565 psi.

Scale = 1:30.4 Loading

TCLL (roof)

TCDI

BCLL

BCDL

WEBS

OTHERS

BRACING

TOP CHORD

BOT CHORD

REACTIONS

FORCES

WFBS

NOTES

2)

TOP CHORD

BOT CHORD

LUMBER

TOP CHORD

BOT CHORD

(psf)

25.0

10.0

0.0

10.0

2x4 SP No.2

2x4 SP No.2

2x3 SPF No.2

2x3 SPF No.2

Max Horiz 5=-149 (LC 8)

(LC 1)

4-5=-132/252, 3-4=-132/252

Interior (1) 7-2-2 to 7-8-10 zone; cantilever left and right

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.

exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown;

bracing. (size)

Tension

2-4=-333/311

1) 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) 0-1-4 to 7-2-2,

Spacing

Code

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

3=8-5-2, 4=8-5-2, 5=8-5-2

Rigid ceiling directly applied or 10-0-0 oc

Max Uplift 4=-130 (LC 13), 5=-27 (LC 8) Max Grav 3=124 (LC 1), 4=428 (LC 1), 5=134

(lb) - Maximum Compression/Maximum

1-5=-104/116, 1-2=-105/81, 2-3=-240/146

Plate Grip DOL

Rep Stress Incr

Lumber DOL

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 5 and 130 lb uplift at joint 4.

This truss is designed in accordance with the 2018 8)

International Residential Code sections R502.11.1 and

R802.10.2 and referenced standard ANSI/TPI 1. LOAD CASE(S) Standard

CSI

TC

BC

WB

Matrix-P

1.5x4 u

2-0-0

1.15

1 15

YES

IRC2018/TPI2014

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 beigh valid for use only with with with with the contractions. This design is based only door parameters shown, and is for an individual dualing 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/TPI1 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)

# OF MISSO E NATHANIEL ER PE-2022042259

16023 Swingley Ridge Rd. Chesterfield MO 63017 314.434.1200 / MiTek-US.com

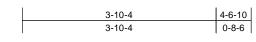


									<b>/</b>	RELEASE FOR CONSTRUCTION
Job	Truss	ŝ	Truss Type		Qty	Ply	Τ		-	AS NOTED FOR PLAN REVIEW
P240068	V02		Valley		1	1	Inh Ref	erence (op	-+ional	DEVELOPMENT SERVICES 163369178 LEE'S SUMMIT, MISSOURI
Premier Building S	Supply (Springhill, KS),	, Spring Hills, KS - 66083,	<u> </u>	Run: 8.63 S Nov 1 (	2023 Print: 8	3.630 S Nov	-			
	••••	•		ID:MBTh6l2JiM4hy2C						
			L		5-10-4			6-6-		
					5-10-4			0-8-	-6	
			1./	.5x4 II						
			~	1	12 7 5					
			, fø	4	- 1 5					
		2-9-0			$\sim$					
					~	$\sim$	<u> </u>	0		
				<u>,</u>				2		
		-0 -0	3 ∐			*****	*****	$\sim$	$\overline{\otimes}$	
			×						$\bigotimes$	
			1./	.5x4 II				3x4 👟		
						•••				
Scale = 1:26.1			$\vdash$		6-6-1	0			$\dashv$	
	(pcf)	- Caroling	2.0.0							
Loading TCLL (roof)	(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15		0.77 Vert	t(LL)	in (loc n/a	c) l/defl - n/a		MT20 197/144
TCDL BCLL	10.0 0.0	Lumber DOL Rep Stress Incr	1.15 YES	BC 0	0.42 Vert(	t(TL)	n/a	- n/a 2 n/a	999	
BCLL BCDL	10.0	Code	IRC2018/TPI2014		.00 1101.	Z(IL)	J.00 .	<u> </u>	li/u	Weight: 21 lb FT = 20%
		<b></b>		ss is designed in accordance						
	2x4 SP No.2 2x4 SP No.2			ional Residential Code sec 0.2 and referenced standar						
WEBS 2	2x3 SPF No.2			E(S) Standard						
		neathing directly applied	d or							
		except end verticals. tly applied or 10-0-0 oc								
	bracing.	0, 3=6-6-10								
Ň	/lax Horiz 3=-112 (	(LC 8)								
		LC 13), 3=-68 (LC 13) (LC 1), 3=258 (LC 1)								
FORCES	(lb) - Maximum Cor	ompression/Maximum								
TOP CHORD	Tension 1-3=-201/223, 1-2=	<i>=</i> -142/97								
BOT CHORD :	2-3=-107/207									
1) Wind: ASCE	E 7-16; Vult=115mp									
Ke=1.00; Ca	at. II; Exp C; Enclos	3CDL=6.0psf; h=35ft; sed; MWFRS (envelope								
exterior zone		(2E) zone; cantilever lef								
exposed;C-C	C for members and	d forces & MWFRS for								ADDEC
DOL=1.60	nown; Lumber DOL=								5	SE OF MISSO
		s in the plane of the truss nd (normal to the face),							É	AN AN
see Standar	rd Industry Gable E	End Details as applicable signer as per ANSI/TPI	le,						A	EOX
3) Gable requir	res continuous botto	tom chord bearing.	1.						ar	ILTA INTE
5) This truss ha	s spaced at 4-0-0 oc as been designed fo	for a 10.0 psf bottom							XJ	Thank Stak
chord live loa	ad nonconcurrent v are assumed to be	with any other live loads	3.						NY	PE-2022042259
capacity of 5	565 psi.	-							Ø	
		n (by others) of truss to tanding 68 lb uplift at joir							0	SSIONAL ENGAG
	uplift at joint 2.									Concer
										February 6,2024
<b>A</b>				MITEK REFERENCE PAGE MII-74						

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/TPI1 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)

16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

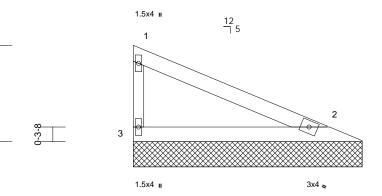
						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 163369179
P240068	V03	Valley	1	1	Job Reference (optional	
Premier Building Supply (Springh	ill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Nov 1 2 ID:MBTh6l2JiM4hy20	2023 Print: 8. DROwR32_zl	630 S Nov 1 RhB3-RfC?Ps	2023 MiTek Industries, Inc. W sB70Hq3NSgPqnL8w3uITXb0	ed Jan 3 32 2 2 2 2 0 2 4 KWrCD099 4 2 9 7 1



4-6-10

MiTek®

16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com



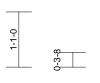
Scale = 1:22.9

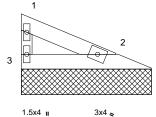
1-11-0

Scale = 1:22.9												
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-P	0.31 0.17 0.00	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 2	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 14 lb	<b>GRIP</b> 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD NOTES 1) Wind: ASC Vasd=91m Ke=1.00; C exterior zo and right e exposed; C reactions s DOL=1.60 2) Truss des only. For see Standa or consult 3) Gable requ 4) Gable stuc 5) This truss chord live 6) All bearing capacity of 7) Provide m bearing pla	2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 Structural wood she 4-7-3 oc purlins, exi Rigid ceiling directly bracing. (size) 2=4-6-10, Max Horiz 3=-73 (LC Max Uplift 2=-29 (LC Max Uplift 2=-29 (LC Max Grav 2=168 (LC (Ib) - Maximum Com Tension 1-3=-131/154, 1-2=- 2-3=-73/142 CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose ne and C-C Exterior(2 exposed ; end vertical I Shown; Lumber DOL=' igned for wind loads ir studs exposed to wind ard Industry Gable En- qualified building desig- uires continuous bottor is spaced at 4-0-0 oc. has been designed for load nonconcurrent wi is are assumed to bas	athing directly applie cept end verticals. applied or 10-0-0 oc 3=4-6-10 2 8) 2 13), 3=-44 (LC 13) C 1), 3=168 (LC 1) pression/Maximum 96/65 (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop E) zone; cantilever li left and right orces & MWFRS for 1.60 plate grip in the plane of the tru (normal to the face) d Details as applicat gner as per ANSI/TP m chord bearing. r a 10.0 psf bottom th any other live load SP No.2 crushing (by others) of truss to	8) This truss is International R802.10.2 a LOAD CASE(S) ed or c	designed in accord Residential Code s nd referenced stand	sections	8 R502.11.1 a	Ind					MISSOLUE NIEL X 042259
											Februa	ry 6,2024

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 163369180
P240068	V04	Valley	1	1	Job Reference (optional	
Premier Building Supply (Sprin	ighill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Nov 1 2 ID:MBTh6l2JiM4hy20	2023 Print: 8.0 DROwR32_zI	630 S Nov 1 RhB3-RfC?Ps	2023 MiTek Industries, Inc. W sB70Hq3NSgPqnL8w3uITXb0	ed Jan 3 32:0:28 22/219:24 KWrCDdw94z90?f
			<u>1-10-4</u> 1-10-4		-6-10 )-8-6	







2-6-10

12 7 5

1.5x4 🛚

Scale - 1.22 6 -

Scale = 1:22.6												
_oading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
FCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	197/144
FCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P	-						Weight: 7 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2		Internationa R802.10.2 a	s designed in acco Il Residential Code and referenced sta	e sections	R502.11.1 a	nd					
VEBS	2x3 SPF No.2		LOAD CASE(S	Standard								
BRACING	Structural wood she 2-7-3 oc purlins, ex		ed or									
BOT CHORD	Rigid ceiling directly bracing.		C									
REACTIONS	(size) 2=2-6-10, Max Horiz 3=-34 (LC Max Uplift 2=-14 (LC Max Grav 2=78 (LC	2 13), 3=-21 (LC 13)										
ORCES	(lb) - Maximum Corr Tension	pression/Maximum										
FOP CHORD BOT CHORD	1-3=-61/72, 1-2=-45 2-3=-34/67	/31										
Vasd=91m Ke=1.00; ( exterior zo and right e exposed;C reactions s DOL=1.60		DL=6.0psf; h=35ft; bd; MWFRS (envelop E) zone; cantilever l left and right orces & MWFRS for 1.60 plate grip	left								ANE OF	MISS
only. For see Stand	signed for wind loads in studs exposed to wind ard Industry Gable En qualified building desi	l (normal to the face) d Details as applicat	), ole,								STATE NATH	ANIEL Y
) Gable requ	uires continuous botto	m chord bearing.								UA	<u>к</u> [Д	
<i>'</i>	ds spaced at 4-0-0 oc.									M/	Allens /	4/2
	has been designed fo									MA	Maniek	IBER
6) All bearing	load nonconcurrent wi as are assumed to be \$		as.							N	PE-2022	
	echanical connection									Ŷ	ESSION/	ENGI
	ate capable of withstar b uplift at joint 2.	nding 21 lb uplift at jo	oint								A DONA	AL D'
											and the second s	ary 6,2024
											1	

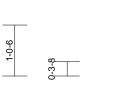
liTe 16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

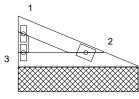
						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW
P240068	V05	Valley	1	1	Job Reference (optional)	DEVELOPMENT SERVICES 163369181 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Spring	hill, KS), Spring Hills, KS - 66083,				2023 MiTek Industries, Inc. W sB70Hq3NSgPqnL8w3uITXbQ	



12 7 5

1.5x4 u





1.5x4 🛚 3x4 👟

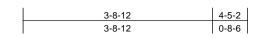
2-5-2

Scale = 1:23.3

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-P	0.05 0.03 0.00	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 2	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 7 lb	<b>GRIP</b> 197/144 FT = 20%
BCDL LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD BOT CHORD REACTIONS (s M M FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD NOTES 1) Wind: ASCE Vasd=91mp Ke=1.00; Ca exterior zona and right ext, exposed; C-C reactions sh DOL=1.60 2) Truss desig only. For stu- see Standar or consult qu 3) Gable requii 4) Gable studs 5) This truss ha chord live lo 6) All bearings capacity of 5	10.0 2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 Structural wood she 2-5-11 oc purlins, e Rigid ceiling directly bracing. size) 2=2-5-2, 3 fax Horiz 3=-32 (LC fax Upift 2=-13 (LC fax Grav 2=73 (LC (lb) - Maximum Com 1-3=-57/67, 1-2=-42 2-3=-32/62 57-16; Vult=115mph h; TCDL=6.0psf; BC tat. II; Exp C; Enclose e and C-C Exterior(2 posed ; end vertical I C for members and for own; Lumber DOL=' ind for wind loads in uds exposed to wind d Industry Gable Enn- ualified building designers res continuous bottor spaced at 4-0-0 oc. as been designed for ad nonconcurrent wi are assumed to be S	Code athing directly applia xcept end verticals. applied or 10-0-0 or 3=2-5-2 (3), 3=-19 (LC 13) 1), 3=73 (LC 1) pression/Maximum /28 (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop E) zone; cantilever left and right orces & MWFRS for 1.60 plate grip In the plane of the tru (normal to the face d Details as applical gner as per ANSI/TF m chord bearing. r a 10.0 psf bottom th any other live loa SP No.2 crushing	IRC2018/TPI2014 8) This truss is Internationa R802.10.2 a LOAD CASE(S) ed or c be) left sss be, bel, P1 1. ds.	Matrix-P designed in acco I Residential Cod and referenced sta	ordance w e sections	ith the 2018 R502.11.1 a					STATE OF STATE OF NATH JFC PE-2022	MISSOLUT ANIEL DX 2042259
	e capable of withstar uplift at joint 2.	nding 19 lb uplift at ji	Dint								Februa	AL Example 2024

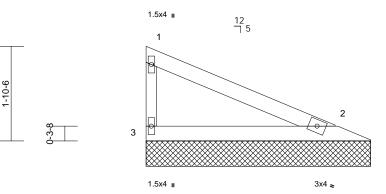


Job       Truss       Truss Type       Qty       Ply       AS NOTED FOR PLAN REVIEW         P240068       V06       Valley       1       1       Job Reference (optional)       LEE'S SUMMIT, MISSOURI         Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,       Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 (20): 20/20 (20)							RELEASE FOR CONSTRUCTION
P240068         V06         Valley         1         1         Job Reference (optional)         LEE'S SUMMIT, MISSOURI           Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,         Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 3 (20): # 20) / 2 (2	Job	Truss	Truss Type	Qty	Ply		
	P240068	V06	Valley	1	1	Job Reference (optional	
ID:MBTh6i2JiM4hy2OROwR32_zRhB3-RfC?PsB70Hq3NSgPqnL8w3uITXbCKWrCDdr94250?if	Premier Building Supply (Springh						



GRIP

16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com



4-5-2 Scale = 1:22.7 Loading (psf) Spacing 2-0-0 CSI DEFL l/defl L/d PLATES in (loc) 25.0 Plate Grip DOL 1.15 тс 0.28 Vert(LL) n/a n/a 999

TCLL (roof) MT20 197/144 BC TCDI 10.0 Lumber DOL 1 15 0.15 999 Vert(TL) n/a n/a BCLL 0.0 Rep Stress Incr YES WB 0.00 Horiz(TL) 0.00 2 n/a n/a BCDL 10.0 Code IRC2018/TPI2014 Matrix-P Weight: 14 lb FT = 20% LUMBER 8) This truss is designed in accordance with the 2018 TOP CHORD 2x4 SP No.2 International Residential Code sections R502.11.1 and BOT CHORD 2x4 SP No.2 R802.10.2 and referenced standard ANSI/TPI 1. 2x3 SPF No.2 LOAD CASE(S) Standard WEBS BRACING TOP CHORD Structural wood sheathing directly applied or 4-5-11 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. **REACTIONS** (size) 2=4-5-2, 3=4-5-2 Max Horiz 3=-71 (LC 8) Max Uplift 2=-28 (LC 13), 3=-43 (LC 13) Max Grav 2=163 (LC 1), 3=163 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-3=-127/149, 1-2=-93/63 BOT CHORD 2-3=-71/137 NOTES Wind: ASCE 7-16; Vult=115mph (3-second gust) 1) 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 OF MISSO DOL=1.60 TE Truss designed for wind loads in the plane of the truss 2) only. For studs exposed to wind (normal to the face), NATHANIEL see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. FOX Gable requires continuous bottom chord bearing. 3) Gable studs spaced at 4-0-0 oc. 4) This truss has been designed for a 10.0 psf bottom 5) SER chord live load nonconcurrent with any other live loads. PE-2022042259 All bearings are assumed to be SP No.2 crushing 6) HESSIONAL EN capacity of 565 psi. 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 3 and 28 lb uplift at joint 2. February 6,2024

									RELEASE	FOR CONSTRUCTION
Job Tru	russ	Truss Type		Qty	Ply	Τ		-		ED FOR PLAN REVIEW
P240068 V0	/07	Valley	,	1	1		Reference (op	fichal	1 5 5 6 6	OPMENT SERVICES 163369183 SUMMIT, MISSOURI
Premier Building Supply (Springhill, K			Run: 8.63 S Nov 1 20	2023 Print: 8.	3.630 S Nov	v 1 2023 M	MiTek Industries	s, Inc. W	ed Jan 31 22.0 :29	
-			ID:MBTh6I2JiM4hy2O					3ulTXbC		
	2-8-6 0-3-8	1.5x4 u 1 3 1.5x4 u	4	<sup>12</sup> <sub>7</sub> 5			2 2 3x4 s			
5 4 4 6 5 6				6-5-2	2			_		
Scale = 1:25.9           Loading         (psi           TCLL (roof)         25.           TCDL         10.           BCLL         0.           BCDL         10.	5.0Plate Grip DOL0.0Lumber DOL0.0Rep Stress Incr	1.15 1.15 YES	BC 0.	D.74 Vert( 0.40 Vert( 0.00 Horiz	t(LL) t(TL)	in ( n/a n/a 0.00	(loc) l/defl - n/a - n/a 2 n/a	999 999	MT20	<b>GRIP</b> 197/144 FT = 20%
BOT CHORD 6-0-0 oc purlins, Rigid ceiling dire bracing. REACTIONS (size) 2=6-5 Max Horiz 3=-11 Max Uplift 2=-44 Max Grav 2=253	4 (LC 13), 3=-66 (LC 13) 53 (LC 1), 3=253 (LC 1) Compression/Maximum 1-2=-139/95 5mph (3-second gust) f; BCDL=6.0psf; h=35ft; closed; MWFRS (envelope) trior(2E) zone; cantilever lef tical left and right and forces & MWFRS for VDL=1.60 plate grip ads in the plane of the truss wind (normal to the face), le End Details as applicable designer as per ANSI/TPI bottom chord bearing. 0 oc. ed for a 10.0 psf bottom ent with any other live loads b SP No.2 crushing ction (by others) of truss to	e) http://www.endocommons.com	designed in accordanc Residential Code sect ad referenced standard Standard	ctions R502	2.11.1 and	1			PE-20220	X BER HEAL

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/TPI1 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)

MiTek

16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

