

RE: P250367-01 Roof - BY Lot 1340

Site Information:

Customer: Clayton Properties Project Name: P250367-01 Lot/Block: 1340 Model: Saffron Address: 1304 SE Windbreak Dr. City: Lee's Summit

Model: Saffron - Farmhouse Subdivision: Bailey Farms State: MO

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: IRC2018/TPI2014 Wind Code: ASCE 7-16 Roof Load: 45.0 psf

Design Program: MiTek 20/20 8.6 Wind Speed: 115 mph Floor Load: N/A psf

This package includes 13 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date
1	166930056	A1	7/18/2024
2	166930057	A2	7/18/2024
3	166930058	A3	7/18/2024
4	166930059	B1	7/18/2024
5	166930060	B2	7/18/2024
6	166930061	B3	7/18/2024
7	166930062	J1	7/18/2024
8	166930063	J2	7/18/2024
9	166930064	J3	7/18/2024
10	166930065	J4	7/18/2024
11	166930066	J5	7/18/2024
12	166930067	J6	7/18/2024
13	166930068	J7	7/18/2024

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc under my direct supervision based on the parameters provided by . Truss Design Engineer's Name: Gilbert, Eric

My license renewal date for the state of Missouri is December 31, 2025. Missouri COA: 001193

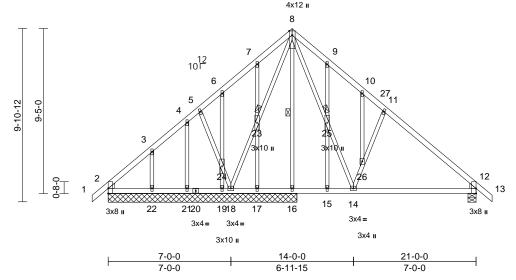
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek. Any project specific information included is for MiTek customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek 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.



MiTek, Inc. 16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200

July 18, 2024

							RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type		Qty	Ply	Roof - BY Lot 1340	AS NOTED FOR PLAN REVIEW
P250367-01	A1	Common Structural (1	1	Job Reference (optiona	DEVELOPMENT SERVICES 166930056 LEE'S SUMMIT, MISSOURI	
Premier Building Supply (Spring	hill, KS), Spring Hills, KS - 66083,		Run: 8.63 S Jul 12 2 ID:D6GG7N3ebfT0i2	024 Print: 8.0 TXG_MqEC	530 S Jul 12 /4k3b-RfC?	2 2024 MiTek Industries, Inc. W PsB70Hq3NSgPqnL8w3uITXb	
	-0-1	1-0 5-3-1	10-6-0	1	5-8-15	21-0-0 2	1-11-0
	0-11	-0 5-3-1	5-2-15	5	5-2-15	5-3-1 (-11-0
				4x12 ॥			

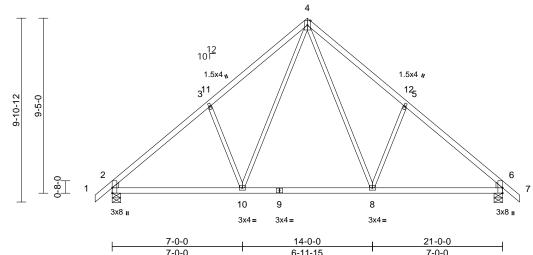


		1		7-0-0	I	6-11-1	5 '		7-0-	0	I		
Scale = 1:65.8													
Plate Offsets (X, Y): [2:Edge,0-0-1],	, [12:Edge,0-0-1]											
Loading TCLL (roof) TCDL	(psf) 25.0 10.0	Plate Grip DOL 1 Lumber DOL 1	2-0-0 1.15 1.15		CSI TC BC	0.33 0.39	DEFL Vert(LL) Vert(CT)	-0.12	(loc) 12-14 12-14	l/defl >999 >999	L/d 240 180	PLATES MT20	GRIP 197/144
BCLL	0.0	1 '	YES		WB	0.20	Horz(CT)	0.01	12	n/a	n/a		FT 00%
BCDL	10.0	Code	RC2018	3/TPI2014	Matrix-S			-				Weight: 132 lb	F1 = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS WEDGE	2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 2x3 SPF No.2 Left: 2x4 SP No.2 Right: 2x4 SP 2400F	= 2.0F	WE	EBS	8-25=-230/506, 14 14-26=-299/260, 1 18-23=-163/2, 8-2 18-24=-70/73, 8-1 17-23=-167/117, 6 19-24=-117/89, 4- 9-25=-121/74, 15-	1-26=-2 3=-171/2 6=-284/0 -24=-12 21=-88/5	87/242, 2, 5-24=-62/64 0, 7-23=-162/ 5/99, 54, 3-22=-205	, 120, /183,					
BRACING		2.02	NC	TES									
TOP CHORD	Structural wood she 6-0-0 oc purlins.	athing directly applied o	,	this design				r					
BOT CHORD	Rigid ceiling directly bracing.	applied or 6-0-0 oc	2)		E 7-16; Vult=115mp ph; TCDL=6.0psf; E								
WEBS		8-16			Cat. II; Exp C; Enclose			oe)					
JOINTS	1 Brace at Jt(s): 23, 25			exterior zone and C-C Exterior(2E) -0-11-0 to 4-1-0, Interior (1) 4-1-0 to 10-4-6, Exterior(2R) 10-4-6 to									
REACTIONS FORCES TOP CHORD BOT CHORD		 C 8), 12=-112 (LC 13), C 13), 17=-80 (LC 12), C 13), 19=-67 (LC 12), C 12), 22=-161 (LC 12), C 20), 12=570 (LC 1), L 1), 17=174 (LC 25), L 1), 19=141 (LC 19), L 19), 22=261 (LC 19) apression/Maximum 198, 3-4=-123/132, 5/119, 6-7=-67/165, 336/287, 9-10=-327/225, -12=-520/105, 12-13=0/ 22=-133/215, 	3) 4) 5) 6) 7) 8) 5, 28 9) 1	15-4-6, Inte and right e exposed;C reactions s DOL=1.60 Truss desi only. For s see Standa or consult of All plates a Gable stud This truss b chord live I All bearing capacity of Provide me bearing pla 2, 48 lb upl uplift at joir 19, 29 lb up This truss i Internation. R802.10.2	erior (1) 15-4-6 to 21 xposed; end vertica -C for members and hown; Lumber DOL igned for wind loads studs exposed to wira ard Industry Gable E qualified building de ire 1.5x4 MT20 unle is spaced at 2-0-0 o has been designed oad noncourrent s are assumed to be	-11-0 zc I left and I forces a =1.60 pl in the p in	ne; cantileve d right & MWFRS for ate grip lane of the tru- al to the face ils as applica s per ANSI/TI wise indicated 0 psf bottom other live loa 2 crushing ers) of truss t 64 lb uplift at j joint 12, 28 ll 67 lb uplift at iff at joint 22. (iff th the 2018 s R502.11.1 a	uss), ble, Pl 1. ds. ds. oint oint		4	Level and Level	NUM PE-20110	A. BER D30168
			L0	AD CASE(S	standard								10 2024

July 18,2024



								RELEASE FOR CONSTRUCTION
Job	Truss		Truss Type		Qty	Ply	Roof - BY Lot 1340	AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES
P250367-01	A2		Common		20	1	Job Reference (optional)	DEVELOPMENT SERVICES 166930057 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springhill, KS), Spring Hills	s, KS - 66083,		Run: 8.63 S Jul 12 ID:hlqeKj4GMzbtKC	2024 Print: 8 2jqht3nQy4k	.630 S Jul 12 3a-RfC?PsB	2024 MiTek Industries, Inc. We 70Hq3NSgPqnL8w3uITXbGKW	d Jul 17 12454 20/29 25
		-0-11-0	551	10-6-0		15-8-15	21-0-0	21-11-0
		0-11-0	5-3-1	5-2-15		5-2-15	5-3-1	0-11-0
					4x6 II			
					4 4			



Scale = 1:62 Plate Offsets (X, Y):	[2:Edge,0-0-1],	, [6:Edge,0-0-1]									
Loading TCLL (roof)	(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15	CSI TC	0.46	DEFL Vert(LL)	in -0.06	(loc) 2-10	l/defl >999	L/d 240	PLAT MT20

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.46	Vert(LL)	-0.06	2-10	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.47	Vert(CT)	-0.12	2-10	>999	180		
BCLL	0.0	Rep Stress Incr	YES		WB	0.48	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/T	PI2014	Matrix-S	-						Weight: 100 lb	FT = 20%
			,	0	are assumed to b	e SP No.	2 crushing						
TOP CHORD	2x4 SP No.2			apacity of 5	bo pol. hanical connectio	n (hy oth	ore) of truce t	to					
BOT CHORD	2x4 SP No.2				capable of withs								
WEBS	2x3 SPF No.2	2.05			15 lb uplift at joint		140 ID upint ai	L					
WEDGE	Left: 2x4 SP 2400F				designed in acco		ith the 2018						
	Right: 2x4 SP 2400	- 2.0E	,		Residential Code			and					
BRACING	•				nd referenced sta								
TOP CHORD		athing directly applie	u or	D CASE(S)									
DOTOUODD	5-0-14 oc purlins.			D CASE(S)	Stanuaru								
BOT CHORD	0 0 ,	applied or 10-0-0 oc											
	bracing.												
	(size) 2=0-5-8,												
	Max Horiz 2=-266 (L	,											
	Max Uplift 2=-145 (L												
	Max Grav 2=1005 (I	LC 1), 6=1005 (LC 1)											
FORCES	(lb) - Maximum Corr	pression/Maximum											
	Tension												
TOP CHORD	,	3/193, 3-4=-1011/305	,										
	,	=-1158/193, 6-7=0/28											
BOT CHORD	2-10=-169/840, 8-10)=0/554, 6-8=-49/772											
WEBS	4-8=-206/480, 5-8=- 3-10=-316/293	316/293, 4-10=-206/-	480,										
NOTES													m
 Unbalance this design 	d roof live loads have	been considered for										E OF M	AISS

2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-11-0 to 4-1-0, Interior (1) 4-1-0 to 10-6-0, Exterior(2R) 10-6-0 to 15-6-0, Interior (1) 15-6-0 to 21-11-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

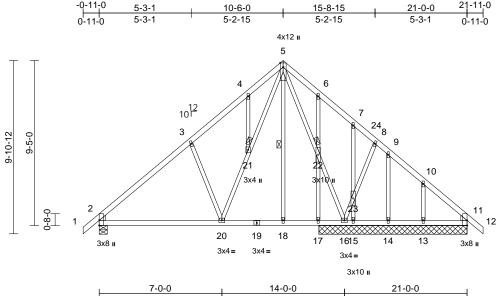
 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



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 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)

* AG23 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MITEk-US.com

						RELEASE FOR CONSTRUCTION			
Job	Truss	Truss Type	Qty	Ply	Roof - BY Lot 1340	AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 166930058			
P250367-01	A3	Common Structural Gable	Common Structural Gable 1 1 Job Reference (optional						
Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083, ID:9VO0Y35u7HjkxMdvOPOIJdy4k3Z-RfC?PsB70Hq3NSgPqnL8w3uITxb6i WrCDoiA42v247									
	-0-1 0-11	-0 5-3-1 5-2-15	4x12 u	<u>15-8-15</u> 5-2-15	21-0-0	1-11-0 1			
		4 10 ¹² 3	5	6	7				



		F		7-0-0		14-0-0		I	21-0				
Scale = 1:65.8		I		7-0-0		6-11-1	5	1	7-0-	0	'		
-	(X, Y): [2:Edge,0-0-1],	[11:Edge,0-0-1]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES RC2018	/TPI2014	CSI TC BC WB Matrix-S	0.37 0.40 0.29	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.06 -0.13 0.01	(loc) 2-20 2-20 11	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 125 lb	GRIP 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS WEDGE BRACING TOP CHORD BOT CHORD WEBS JOINTS REACTIONS FORCES TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 2x3 SPF No.2 Left: 2x4 SP 2400F 2 Right: 2x4 SP No.2 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. 1 Row at midpt 1 Brace at Jt(s): 21, 22 (size) 2=0-5-8, 1 14=8-5-8, 17=8-5-8 Max Horiz 2=-263 (L Max Uplift 2=-99 (LC 13=250 (L 13=250 (L 13=250 (L 15=171 (L 15=2171 (L 17=225 (L) 15=-437/245, 5-6=- 7-8=-59/66, 8==83, 10-11=-187/87, 11-1	2.0E athing directly applied of applied or 10-0-0 oc 5-18 11=8-5-8, 13=8-5-8, 15=8-5-8, 16=8-5-8, C 10) C 12), 13=-158 (LC 13), C 12), 13=-158 (LC 13), C 12), 13=-158 (LC 13), C 12), 17=-67 (LC 13), C 1), 11=210 (LC 1), C 20), 14=128 (LC 1), C 20), 14=128 (LC 1), C 20) intersion/Maximum 98, 3-4=-556/205, 143/195, 6-7=-102/130, /44, 9-10=-115/33, 2=0/27 20=-73/282, 7=-72/282, 5=-72/192,	WE NO 1) or 2) 3) 4) 5) 6) 7) 8) 7) 8) 9)	TES Unbalanced this design. Wind: ASCE Vasd=91mp Ke=1.00; Ca exterior zonr Interior (1) 4 15-4-6, Inter and right ext, exposed;C-(reactions sh DOL=1.60 Truss design only. For sti see Standar or consult qi All plates are Gable studs Chord live lo All bearings capacity of 5 Provide mec bearing plat 2, 90 lb uplif uplift at joint joint 13. This truss is International	5-22=-437/69, 1 8-23=-61/70, 20 5-21=-241/527, 4-21=-53/36, 6- 17-22=-144/108 15-23=-114/87, roof live loads I 5-716; Vult=115 h; TCDL=6.0psi at. II; Exp C; End e and C-C Exter 1-0 to 10-4-6, I ior (1) 15-4-6 to posed ; end ver C for members a own; Lumber D und for wind loa ualified building e 1.5x4 MT20 u spaced at 2-0-0 cas been designed ad nonconcurre are assumed to 565 psi. chanical connecc e capable of wit t at joint 16, 67 15, 23 lb uplift : designed in acd I Residential Co and referenced s	0-21=-208/4 3-20=-317/ 22=-163/10 3, 7-23=-122 9-14=-92/4 have been of imph (3-sec f; BCDL=6.0 closed; MW ior(2E) -0-1 Exterior(2R) 0-11-0 zcl and forces & OL=1.60 pla adds in the pl wind (norm e End Detail designer as nless othern o cc. ad for a 10.0 nt with any b bs SP No. tion (by oth- hstanding 9 lb uplift at jo at joint 14 a cordance wide sections	77, 278, 5-18=-7, 0, 2/97, 9, 10-13=-19 considered for ond gust))psf, h=35ft; FRS (envelo 1-0 to 4-1-0 10-4-6 to ne; cantilevo are grip ane of the tr al to the facc is as applicas per ANSI/T wise indicate 0 psf bottom other live loa 2 crushing ers) of truss 9 lb uplift at bind 158 lb up th the 2018 R502.11.1 a	7/36, 94/179 or ope) er left or uss e), able, PI 1. ads. to joint olift at				STATE OF M STATE OF M GILB PE-20110 PE-20110	A. BER D30168

July 18,2024



					1	RELEASE FOR CONSTRUCTION AS NOTED FOR PLAN REVIEW
Job	Truss	Truss Type	Qty	Ply	Roof - BY Lot 1340	DEVELOPMENT SERVICES 166930059
P250367-01	B1	Common Supported Gable	1	1	Job Reference (optional	
Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,				2024 MiTek Industries, Inc. W 70Hq3NSgPqnL8w3uITXbGK	
		-0-11-0 5-4-2 0-11-0 5-4-2			10-8-4 5-4-2	11-7-4 0-11-0
			4x4 5	-		
	5-7-3 5-1-7 0-8-0			16		8 9

12

10-8-4

DEFL

Vert(LL)

Vert(CT)

Horz(CT)

0.08

0.04

0.07

11

in

n/a

n/a

0.00

(loc)

8

10

l/defl

n/a

n/a 999

n/a n/a

L/d

999

LUMBER TOP CHORD BOT CHORD OTHERS WEDGE		0.2 No.2 SP No.2	2)
BRACING TOP CHORD BOT CHORD	Structura 6-0-0 oc j	wood sheathing directly applied or	3)
REACTIONS	(size) Max Horiz	$\begin{array}{l} 2=10\text{-}8\text{-}4,\ 8=10\text{-}8\text{-}4,\ 10=10\text{-}8\text{-}4,\\ 11=10\text{-}8\text{-}4,\ 12=10\text{-}8\text{-}4,\ 13=10\text{-}8\text{-}4,\\ 14=10\text{-}8\text{-}4\\ 2=\text{-}146\ (\text{LC 10})\\ 2=\text{-}44\ (\text{LC 8}),\ 8=\text{-}16\ (\text{LC 9}),\\ 10=\text{-}105\ (\text{LC 13}),\ 11=\text{-}106\ (\text{LC 13}),\\ 13=\text{-}108\ (\text{LC 12}),\ 14=\text{-}109\ (\text{LC 12})\\ 2=167\ (\text{LC 20}),\ 8=\text{-}161\ (\text{LC 1}),\\ 10=155\ (\text{LC 20}),\ 11=212\ (\text{LC 20}),\\ 12=143\ (\text{LC 22}),\ 13=214\ (\text{LC 19}),\\ 14=160\ (\text{LC 19})\\ \end{array}$	4) 5) 6) 7) 8) 9)
FORCES	(lb) - Max Tension	imum Compression/Maximum	
TOP CHORD	4-5=-104	2-3=-163/106, 3-4=-112/71, /185, 5-6=-104/185, 6-7=-84/36, /65, 8-9=0/27	10
BOT CHORD	2-14=-59/ 12-13=-5	9/191, 13-14=-59/191, 9/191, 11-12=-59/191, 9/191, 8-10=-59/191	L
WEBS	5-12=-13	4/23, 4-13=-171/225, 9/214, 6-11=-170/224,	
NOTES			

Scale = 1:37.5

Loading

TCDL

BCLL

BCDL

TCLL (roof)

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

(psf)

25.0

10.0

0.0

10.0

Spacing

Code

Plate Grip DOL

Rep Stress Incr

Lumber DOL

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

Wind: ASCE 7-16; Vult=115mph (3-second gust) 2) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-11-0 to 4-1-0, Exterior(2N) 4-1-0 to 5-4-2, Corner(3R) 5-4-2 to 10-4-2, Exterior(2N) 10-4-2 to 11-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 Truss designed for wind loads in the plane of the truss

13

- 3) only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.

14

CSI

TC

BC

WB

Matrix-S

3x8 ı

2-0-0

1.15

1.15

YES

IRC2018/TPI2014

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 2, 16 lb uplift at joint 8, 108 lb uplift at joint 13, 109 lb uplift at joint 14, 106 lb uplift at joint 11 and 105 lb uplift at joint 10.
- IO) 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.

OAD CASE(S) Standard



3x8 II

PLATES

Weight: 52 lb

MT20

GRIP

197/144

FT = 20%



							RELEASE FOR CONSTRUCTION		
Job	Truss	Truss Type		Qty	Ply	Roof - BY Lot 1340	AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 166930060		
P250367-01	B2	Common Suppo	Common Supported Gable 1 1 Job Reference (op						
Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083, ID:dhxPIP5WtarbZVC6y6vXsry4k3Y-RfC?PsB70Hq3NSgPqnL8w3uITXbGKU/rCDoi7J4J341/20/2025									
		-0-11-0 0-11-0	6-6-0 6-6-0			13-0-0 6-6-0	13-11-0 0-11-0		
				4x4 =					
	Τ Τ			5					
			12 10 Г		$\langle \rangle$				

4

15

3

14

CSI

тс

BC

WB

Matrix-S

3x8 II

2-0-0

1.15

6

11

in

n/a

n/a

0.00

(loc)

8

12

13-0-0

0.09

0.06

0.12

DEFL

Vert(LL)

Vert(CT)

Horz(CT)

16

7

10

l/defl

n/a

n/a 999

n/a n/a

L/d

999

8

PLATES

Weight: 64 lb

MT20

GRIP

197/144

FT = 20%

3x8

TCDL	10.0	Lumber DOL	1.15
BCLL	0.0	Rep Stress Incr	YES
BCDL	10.0	Code	IRC2018/TPI2014
LUMBER			2) Wind: AS
TOP CHORD	2x4 SP No.2		Vasd=91
	2v4 CD No 2		Ke-1.00

Spacing

Plate Grip DOL

-0

ഄ

0-8-0

6-6-12

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

(psf)

25.0

BOT CHORD OTHERS WEDGE	2x4 SP N 2x3 SPF I Left: 2x4 Right: 2x4	No.2 SP No.2	
BRACING			
TOP CHORD	Structural 6-0-0 oc p	l wood sheathing directly applied or purlins.	
BOT CHORD	Rigid ceili bracing.	ing directly applied or 10-0-0 oc	
REACTIONS	0	2=13-0-0, 8=13-0-0, 10=13-0-0, 11=13-0-0, 12=13-0-0, 13=13-0-0, 14=13-0-0	4
	Max Horiz	2=-173 (LC 10)	1
		2=-32 (LC 8), 8=-1 (LC 9), 10=-145 (LC 13), 11=-91 (LC 13), 13=-93	-
		(LC 12), 14=-147 (LC 12)	
	Max Grav		
FORCES	(lb) - Max Tension	imum Compression/Maximum	
TOP CHORD	1-2=0/27, 4-5=-111/	2-3=-166/123, 3-4=-121/86, '198, 5-6=-112/199, 6-7=-87/80, '76, 8-9=0/27	
BOT CHORD	2-14=-67/ 12-13=-6	7/206, 13-14=-67/206, 7/206, 11-12=-67/206, 7/206, 8-10=-67/206	I
WEBS	5-12=-15	5/32, 4-13=-156/162, 8/262, 6-11=-155/161,	

NOTES

Scale = 1:41.6

Loading

TCLL (roof)

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

SCE 7-16; Vult=115mph (3-second gust) 91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; 1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -0-11-0 to 4-1-0, Exterior(2N) 4-1-0 to 6-6-0, Corner(3R) 6-6-0 to 11-6-0, Exterior(2N) 11-6-0 to 13-11-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 Truss designed for wind loads in the plane of the truss

13

- 3) only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. 4) All plates are 1.5x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom 7) chord live load nonconcurrent with any other live loads. All bearings are assumed to be SP No.2 crushing 8) capacity of 565 psi.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint 2, 1 lb uplift at joint 8, 93 lb uplift at joint 13, 147 lb uplift at joint 14, 91 lb uplift at joint 11 and 145 lb uplift at joint 10.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. LOAD CASE(S) Standard





						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply	Roof - BY Lot 1340	AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 166930061
P250367-01	B3	Common	3	1	Job Reference (optional	
Premier Building Supply (Sp	oringhill, KS), Spring Hills, KS - 66083,				2024 MiTek Industries, Inc. We PsB70Hq3NSgPqnL8w3uITXb	
		-0-11-0 6-6-0 0-11-0 6-6-0			13-0-0	-11-0 11-0
			4x6 = 3			
	6-6-12 6-1-0 6-1-0	10 ¹² 7 1	6		8	4 5



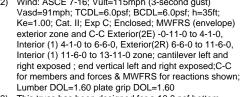
3x8 II

1.5x4 🛚

3x8 II

Scale = 1:45.8

Loading (psf) Spacing 2-0-0 CSI DEFL in (loc) I/defl L/d PLATES GRIP	
TCLL (roof) 25.0 Plate Grip DOL 1.15 TC 0.68 Vert(LL) 0.06 2-6 >999 240 MT20 197/144	
TCDL 10.0 Lumber DOL 1.15 BC 0.42 Vert(CT) -0.09 2-6 >999 180	
BCLL 0.0 Rep Stress Incr YES WB 0.10 Horz(CT) 0.01 4 n/a n/a	
BCDL 10.0 Code IRC2018/TPI2014 Matrix-S Weight: 54 lb FT = 20%	%
LUMBER 5) Provide mechanical connection (by others) of truss to	
TOP CHORD 2x4 SP No.2 bearing plate capable of withstanding 99 lb uplift at joint	
BOT CHORD 2x4 SP No.2 2 and 99 lb uplift at joint 4.	
WEBS 2x3 SPF No.2 6) This truss is designed in accordance with the 2018	
WEDGE Left: 2x4 SP 2400F 2.0E International Residential Code sections R502.11.1 and	
Right: 2x4 SP 2400F 2.0ER802.10.2 and referenced standard ANSI/TPI 1.	
BRACING LOAD CASE(S) Standard	
TOP CHORD Structural wood sheathing directly applied or	
5-11-7 oc purlins.	
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.	
REACTIONS (size) 2=0-5-8, 4=0-5-8	
Max Horiz 2=-173 (LC 10)	
Max Holiz $2 = 170$ (LC 12), 4=-99 (LC 13)	
Max Grav 2=645 (LC 1), 4=645 (LC 1)	
FORCES (Ib) - Maximum Compression/Maximum	
Tension	
TOP CHORD 1-2=0/28, 2-3=-621/172, 3-4=-621/172,	
4-5=0/28	
BOT CHORD 2-6=0/372, 4-6=0/372	
WEBS 3-6=0/308	
NOTES	
1) Unbalanced roof live loads have been considered for	
this design.	h
this design. 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Viad 01mpb; TCDL 6 0pcf; BCDL 6 0pcf; b 35ft;	N
Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope)	Ne



This truss has been designed for a 10.0 psf bottom 3) chord live load nonconcurrent with any other live loads. 4) All bearings are assumed to be SP No.2 crushing

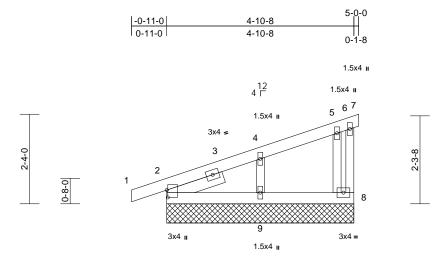
capacity of 565 psi.



July 18,2024



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply	Roof - BY Lot 1340	AS NOTED FOR PLAN REVIEW
P250367-01	J1	Monopitch Supported Gable	2	1	Job Reference (optional	DEVELOPMENT SERVICES 166930062 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springhi	ill, KS), Spring Hills, KS - 66083,				2024 MiTek Industries, Inc. We sB70Ha3NSaPanL8w3uITXb0	



4-10-8

Scale	_	1.20
Scale	=	1:30

Plate Offsets (X, Y): [2:0-2-5,0-0-5]

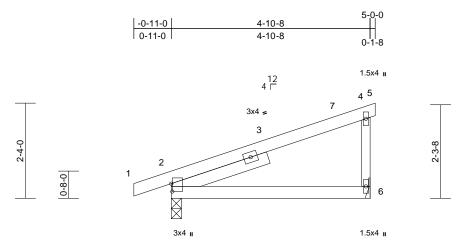
Plate Offsets ((X, Y): [2:0-2-5,0-0-5]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	BC 0).11).05).08	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 8	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 22 lb	GRIP 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS SLIDER BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x3 SPF No.2 2x3 SPF No.2 Left 2x4 SP No.2 1 Structural wood shea 4-10-8 oc purlins, ex Rigid ceiling directly bracing. (size) 2=4-10-8, Max Horiz 2=94 (LC	athing directly applie xcept end verticals. applied or 10-0-0 oc 8=4-10-8, 9=4-10-8 9)	chord live la 6) All bearings capacity of 7) Provide me bearing pla 8, 54 lb upl 8) This truss is Internationa R802.10.2 LOAD CASE(S	chanical connection (by te capable of withstand ft at joint 2 and 65 lb up s designed in accordand al Residential Code sec and referenced standar	y othe ling 2 plift a ce wi	other live load 2 crushing ers) of truss to 7 lb uplift at jo t joint 9. th the 2018 R502.11.1 ar	o bint					
	Max Uplift 2=-54 (LC (LC 12) Max Grav 2=173 (LC (LC 1)	C 1), 8=100 (LC 1), 9										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-2=-4/0, 2-4=-192/9 5-6=-48/70, 6-7=-1/0	, ,										
BOT CHORD WEBS		48										
NOTES 1) Wind: ASC Vasd=91n Ke=1.00; exterior zz Exterior zz exposed ; members Lumber D 2) Truss des only. For see Stand or consult 3) Gable req	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BCI Cat. II; Exp C; Enclose one and C-C Corner(3E N) 4-1-0 to 5-0-0 zone; end vertical left and rig and forces & MWFRS OL=1.60 plate grip DO signed for wind loads in studs exposed to wind lard Industry Gable Enc qualified building desig uires continuous bottor ds spaced at 2-0-0 oc.	(3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop 5) -0-11-0 to 4-1-0, cantilever left and ri hit exposed;C-C for for reactions shown; L=1.60 the plane of the tru: (normal to the face) d Details as applicab gner as per ANSI/TP	ight ss ,						6	* Phase	NUM PE-2011	ERT BER 030168

July 18,2024



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv	Roof - BY Lot 1340	AS NOTED FOR PLAN REVIEW
000	11000		Gaty	,		DEVELOPMENT SERVICES 166930063
P250367-01	J2	Monopitch	16	1	Job Reference (optional	
Premier Building Supply (Spri	nghill, KS), Spring Hills, KS - 66083,				2024 MiTek Industries, Inc. We 28B70Ha3NSaPanL8w3uITXb0	

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Jul 17 (2453) ID:Z439A57nPC5JopMU3Xy?xGy4k3W-RfC?PsB70Hq3NSgPqnL8w3uITXbgKWrCDor Jack?r



4-10-8

Scale = 1:28.2 Plate Offsets (X, Y): [2:0-2-5.0-0-5]

Plate Offsets ((X, Y): [2:0-2-5,0-0-5]											
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	тс	0.56	Vert(LL)	-0.03	2-6	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.06	2-6	>921	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 22 lb	FT = 20%
LUMBER			6) This truss is	designed in acco	ordance w	ith the 2018						
TOP CHORD	2x4 SP No.2		Internationa	I Residential Code	e sections	R502.11.1 a	and					
BOT CHORD	2x4 SP No.2		R802.10.2 a	and referenced sta	andard AN	ISI/TPI 1.						
WEBS	2x3 SPF No.2		LOAD CASE(S	Standard								
SLIDER	Left 2x4 SP No.2 2	2-5-12										
BRACING												
TOP CHORD	Structural wood she											
	4-10-8 oc purlins, e											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	С									
DEADTIONO	bracing.	Mashaulast										
REACTIONS	() ,	6= Mechanical										
	Max Horiz 2=94 (LC Max Uplift 2=-84 (LC	,										
	Max Grav 2=285 (LC											
FORCES	(lb) - Maximum Com											
FURGES	Tension	pression/maximum										
TOP CHORD		73 4-5=-1/0										
	4-6=-166/270	0, 10- 1/0,										
BOT CHORD	2-6=-40/44											
NOTES												
1) Wind: AS	CE 7-16; Vult=115mph	(3-second gust)										
Vasd=91n	nph; TCDL=6.0psf; BC	DL=6.0psf; h=35ft;										
	Cat. II; Exp C; Enclose		pe)								200	an
	one and C-C Exterior(2										OF	MIG
) 4-1-0 to 5-0-0 zone; c										TEOF	NOSCIE
	end vertical left and rig and forces & MWFRS									6	14	
	OL=1.60 plate grip DC		,							B	S/ ERIC	
	has been designed for									R	/ GILB	ERT
	load nonconcurrent wi		ds.							2*		1 1 1
	are assumed to be: Joi									Xo.	11	7/1
capacity o			-						4	44	NUM	BER A
	irder(s) for truss to trus									87	PE-2011	
	nechanical connection (N.	PE-2011	030168
	late capable of withstar	nding 61 lb uplift at j	oint							Y	1 Per	1 SA
6 and 8/1	lb unlift at joint 2										10 00.	

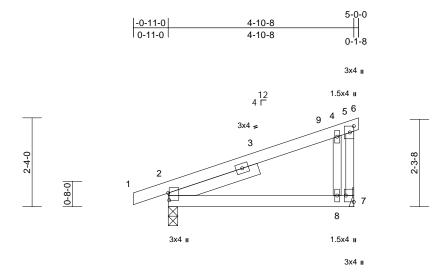
- 2
- 3
- 2
- 5 6 and 84 lb uplift at joint 2.





						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply	Roof - BY Lot 1340	AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 166930064
P250367-01	J3	Monopitch	1	1	Job Reference (optional	

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Jul 17 (245) ID:Z439A57nPC5JopMU3Xy?xGy4k3W-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDor Jack?P



 Scale = 1:30.3
 4-10-8

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

			3 , 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/TPI201	4 CSI TC BC WB	0.34 0.18 0.10	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.02 -0.03 0.00	(loc) 2-8 2-8 7	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 23 lb	GRIP 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS SLIDER BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x3 SPF No.2 2x3 SPF No.2 Left 2x4 SP No.2 2 Structural wood she 4-10-8 oc purlins, e Rigid ceiling directly bracing.	athing directly applic xcept end verticals. applied or 10-0-0 o	capaci 6) Refer t 7) Provid bearing 7 and 1 8) This tri 8) This tri R802.4	gs are assumed to be ty of 565 psi. o girder(s) for truss to e mechanical connect g plate capable of with 34 lb uplift at joint 2. uss is designed in acc tional Residential Coo 0.2 and referenced st SE(S) Standard	truss conr ion (by oth istanding 6 ordance w de sections	nections. ers) of truss t i1 lb uplift at j ith the 2018 i R502.11.1 a	oint					
	(size) 2=0-3-0, 7 Max Horiz 2=94 (LC) Max Uplift 2=-84 (LC) Max Grav 2=285 (LC)	(LC 12), 7=-61 (LC 12)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD		33, 4-5=-67/121, 5-6	i=-1/0,									
BOT CHORD WEBS	2-8=-77/75, 7-8=-77, 4-8=-155/392	/75										
Vasd=91n Ke=1.00; (exterior zc Interior (1) exposed; members Lumber Di 2) Truss des only. For see Stand or consult	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2) 4-1-0 to 5-0-0 zone; c end vertical left and rig and forces & MWFRS OL=1.60 plate grip DO OL=1.60 plate grip DO signed for wind loads ir studs exposed to wind lard Industry Gable En- qualified building desig	DL=6.0psf; h=35ft; d; MWFRS (envelop E) -0-11-0 to 4-1-0, antilever left and rig pht exposed;-C-C for for reactions shown JL=1.60 n the plane of the tru (normal to the face d Details as applical gner as per ANSI/TF	, ; , ,ss), ble,						4	*	STATE OF I GILB NUM PE-2011	ERT *

3) Gable studs spaced at 2-0-0 oc.

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

July 18,2024

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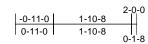


						RELEASE FOR CONSTRUCTION
Job T	Truss	Truss Type	Qty	Ply	Roof - BY Lot 1340	AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 166930065
P250367-01 J	J4	Monopitch Supported Gable	1	1	Job Reference (optional	

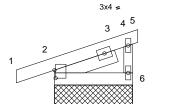
1-4-0

0-8-0

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Jul 17 124541/20







3х4 ш

1.5x4 🛚

1-10-8	

Scale = 1:27.7

Plate Offsets (X, Y): [2:0-2-5,0-0-5]

	0]										
Loading (psf) TCLL (roof) 25.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-P	0.08 0.03 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 6	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 10 lb	GRIP 197/144 FT = 20%
LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x3 SPF No.2 SLIDER Left 2x4 SP No.2 BRACING TOP CHORD Structural wood s 1-10-8 oc purlins, BOT CHORD Rigid ceiling direc bracing. REACTIONS (size) 2=1-10 Max Horiz 2=46 (I Max Uplift 2=-63 (I)	1-6-7 heathing directly appli except end verticals. tly applied or 10-0-0 o -8, 6=1-10-8	 7) Provide me bearing pla 6 and 63 lb 8) This truss i Internationa R802.10.2 ed or LOAD CASE(S 	chanical connection te capable of withsta uplift at joint 2. s designed in accorr al Residential Code and referenced stan	anding 2 dance w sections	5 lb́ uplift at j ith the 2018 5 R502.11.1 a	oint				wegnit. To ib	11-2070
Tension	CDL=6.0psf; h=35ft; sed; MWFRS (envelop (3E) zone; cantilever le al left and right d forces & MWFRS for L=1.60 plate grip s in the plane of the tru nd (normal to the face End Details as applica asigner as per ANSI/TI tom chord bearing. bc. for a 10.0 psf bottom with any other live loa	/129 pe) eft r uss), ble, PI 1.						2		STATE OF J GILB GILB PE-2011 FBS STONA	C.A. ERT BER 030168



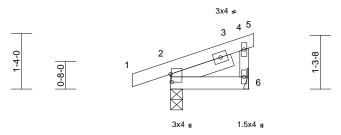
and July 18,2024

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply	Roof - BY Lot 1340	AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 166930066
P250367-01	J5	Monopitch	5	1	Job Reference (optional	

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Jul 17 124 44/20/2992 ID:1GdXNR8PAVDAQzxhdFTEUTy4k3V-RfC?PsB70Hq3NSgPqnL8w3uITXt GKWrCDer/342/Cf







1-10-8	

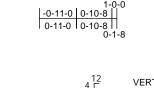
Scale = 1:27.7 Plate Offsets (X, Y): [2:0-2-5,0-0-5]

L1 (rich) 25.0 Piae Ging DOL 1.15 TC 0.06 Vert(L) 0.00 2.6 9.999 100 SLL 0.00 Rep Stress Incr YES WB 0.00 Hor2(CT) 0.00 6 n/a n/a SLL 0.00 Code RC2018/TPUE Namic-P 0.00 Hor2(CT) 0.00 6 n/a n/a SLL 0.00 Code RC2018/TPUE LOAD CASE(S) Standard MBEER LOAD CASE(S) Standard FT = 20% Weight: 10 /b FT = 20% MMEER LOAD CASE(S) Standard FT = 20% Standard FT = 20% MMEER LOAD CASE(S) Standard FT = 20% Standard FT = 20% MMEER LOAD CASE(S) Standard FT = 20% Standard FT = 20% MMER LoAD CASE(S) Standard FT = 20% Standard FT = 20% MMER LoAD CASE(S) Standard Standard FT = 20% Standard PCCMOR Hold caling directly applied or 10-0-0 Im = 100 Hor2 = 100		(X, Y): [2:0-2-5,0-0-5]	1				1					1	
DL 10.0 Lumber DOL 1.15 BC 0.03 Verif(CT) 0.00 6 nia nd DL 10.0 Code IRC2018/TPI2014 Matrix-P 0.00 Horz(CT) 0.00 6 nia nd MBER LOAD CASE(S) Standard Verif(CT) 0.00 6 nia nd Weight: 10 lb FT = 20% MBER LOAD CASE(S) Standard Verif(CT) 0.00 6 nia nd Verif(CT) 0.00 6 nia nd Veright: 10 lb FT = 20% MBER LOAD CASE(S) Standard Verif(CT) 0.00 6 nia nd Veright: 10 lb FT = 20% MIRER Left 24 5 P No.2 -16-7 Action Nd Nd <td>Loading</td> <td>(psf)</td> <td>Spacing</td> <td>2-0-0</td> <td>CSI</td> <td></td> <td>DEFL</td> <td></td> <td>· · /</td> <td>l/defl</td> <td>L/d</td> <td>PLATES</td> <td>GRIP</td>	Loading	(psf)	Spacing	2-0-0	CSI		DEFL		· · /	l/defl	L/d	PLATES	GRIP
2LL 0.0 Rep Stress Inor YES W8 0.00 Horz(CT) 0.00 6 n/a n/a DBL 0.00 Code IRC2018/TPI2014 Matrix-P 0.00 Horz(CT) 0.00 6 n/a n/a DP CHORD 2x4 SP No.2 December 2x4 SP No.2 Decembe	· · ·		1 1		-							M120	197/144
DL 10.0 Code IRC2018/TPI2014 Matrix-P Weight: 10 lb FT = 20% MMEER LOAD CASE(S) Standard PC HORD Zx4 SP No.2 Standard D7 CHORD Zx4 SP No.2 LGAD CASE(S) Standard PC HORD Zx4 SP No.2 JD CHORD Zx4 SP No.2 LGAD CASE(S) Standard DP CHORD Structural wood sheathing directly applied or 1-10-80 cpuritins, except end verticals. The HORD CASE (Standard And Standard And And Standard And And Standard And Standard And Standard And Standard And Standard And Standard And And Standard And Standard And And Standard And And And And And And And And And An					-								
MBER DP CHORD Zx4 SP No.2 TO CHORD Zx4 SP No.2 EBS Zx3 SPF No.2 EBS Zx3 SPF No.2 LOAD CASE(S) Standard DF CHORD Zx4 SP No.2 LORD Zx5 SPF No.2 LORD Structural wood sheathing directly applied or 1-10-8 oc purifins, except end verticals. TOCHORD Zy4 SP No.2 CHORD Rigit celling directly applied or 10-0-0 oc bracing. EACTIONS Size: CACINOS Size: CHORD Rigit celling directly applied or 1-10-8 oc purifins, except end verticals. TOTHORD Zx56 CHORD Rigit celling directly applied or 1-10-8 oc purifins, except end verticals. TOTHORD Zx56 TORES Rivier Loss of the Michanical Max Horiz 2-46 (LC 9) Max Grav 2-160 (LC 1), 6-80 cf-10.0 Max Grav 2-160 (LC 1), 6-80 cf-10.0 TOTHORD 2-56-20201 Wind: ASCE 7-16; Vul-115mph (3-second gust) Yaad-91mph; TOD-60 ocf: Borizes & MWFRS for reactions shown; Lumber DOL=1.60 plate borizes for reactions for an concenter with the valta Bearings are assumed to be; Joint 2 SP No.2 crushing capacity of 565 psi. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss			1 1			0.00	HOIZ(CT)	0.00	0	n/a	n/a	Waisht 10 lb	FT 200/
PP CHORD 2:4 SP No.2 TO CHORD 2:4 SP No.2 EBS 2:3 SPF No.2 LDER LL 12:4 SP No.2 - 1-6-7 RACING PP CHORD Structural wood sheating directly applied or 10-0-0 c bracing. EACTIONS (size) 2:-0-38, 6- Mechanical Max Horiz 2:-46 (LC 9) Max Upit 2:-86 (LC 10) Max Upit 2:-86 (LC 10) Max Upit 2:-86 (LC 10, 6), 6:-26 (LC 12) Max Grav 2:=160 (LC 1), 6:-86 (LC 1) DRCES DF CHORD 3:-46:-90(3), 4:5=-10, 4:-6=67/112 DT CHORD 4:-6=-2021 DT SP Wind-STIRT: TOL:-65 (DB CD):-65 (DC):-65	BUDL	10.0	Code	IRC2018/1P12014	Matrix-P	-						weight: TO ID	F1 = 20%
DT CHORD 24 9F No.2 ESS 22.03 PF No.2 IDER Left 24:4 9F No.2 - 1-6-7 ACMNO DP CHORD Structural wood shealting directly applied or 1-0-8 op unifies, except end verticals. DT CHORD Rigid celling directly applied or 10-0-0 oc braining. EACTIONS (size) 2-0-3:8, 6= Mechanical Max Horiz 2-46 (LC 0) Max Upfit 2-63 (LC 1), 6=-25 (LC 12) Max Grav 2=160 (LC 1), 6=-66 (LC 1) PRCES (b) - Maximum Compression/Maximum Tension DP CHORD 1-2-40, 2-4-e9/33, 4-5=-1/0, 4-6=-67/112 DT CHORD 2-6=-202:1 DTES Wind: ASCE 7-16; Vulne115mph (3-second gust) Vasd=91mph; TDUL=60.9cf, BDUL=60.9cf, Fi=35f; Ke=1.00; Cat. II; Exp C: Enclosed; MWRRS (envelope) exterior zone and C-C Exterior[22] zone; cantilower left and right exposed; c-C for merbers and forces & MWRRS for reactions shown; Lumber DDL=1.60 plate grip DDL=1.60 This truss has been designed for a 10.0 pd bottom chord live load nonconcurrent with any other live loads. Bearings are assumed to be: Joint 2 BP No.2 crushing capacity of 656 psi. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift a joint 2 Finder State Science as extrast on be: Joint 2 BP No.2 rushing capacity of 656 psi. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift a joint 2 This truss is designed in accordance with the 2018 Intermational Resolution LOw exclines actions REOX 11.1 and R802.10.2 and referenced standard ANS/TP1 1.		044 CD No 0		LOAD CASE(S)	Standard								
EES 23 SPF No.2 DEFR Let 24 SP No.2 - 1-6-7 KACMO SP CHORD Structural wood sheathing directly applied or 1-10-8 oc purities, except end verticals. DT CHORD Rigid celling directly applied or 10-0 oc braining. EACTIONS (size) 2-0-3-8, 6= Mechanical Max Uplit 263 (LC 9), 6=-25 (LC 12) Max Grav 2-160 (LC 1), 6=-88 (LC 1) SRCES (b) - Maximum Compression/Maximum Tension DP CHORD 1-2=-40, 24=-69/33, 4-5=-1/0, 4-6=-67/112 DT CHORD 2-4=-69/33, 4-5=-1/0, 4-6=-67/112 DT CHORD 2-4=-69/33, 4-5=-1/0, 4-6=-67/112 DT CHORD 2-4=-69/33, 4-5=-1/0, 4-6=-67/112 DT CHORD 2-4=-69/21 Wind: ASCE 7-16; Vul=115mph (3-second gust) Wind: ASCE 7-16; Vul													
JDER Left 2x4 SP No.2 = 1-6-7 SACING PC HORD Structural wood sheathing directly applied or 11-10-8 oc purlins, except end verticals. The provide purlins, except end verticals. CTORD Size 2 2-0-3-8, 6= Mechanical Max Horiz 2-46 (LC 9) Max Horiz 2-46 (LC 9) Max Horiz 2-46 (LC 9) Max Klint 2-46 (LC 1) PRCES (I) - Maximum Compression/Maximum Tension Tension Tension Vind: ASCE 7-16; Vult=115mph (3-second gust) Vasc 4-91mph: TCDL=6.0pd; BCDL=6.0pd; h=35t; Ke-1.00; Cat. II; Exp C; Enclosed; MWFRS (or revelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; end vertical left and right exposed; cord ortex) into 2.01 z SP No.2 crushing exposed; cord ortex) into 2.01 z SP No.2 crushing exposed; of Sp Sp i. PRetro to girder(s) for trus to trus connections. Provide mechanical Code sections R502.11.1 and R802.10.2 and referenced standard ANS/TP1 1.	NEBS												
Acting PP CHORD SP CHORD STUCtural wood sheathing directly applied or 1-10-8 oc purins, except end verticals. DT CHORD Rigid ceiling directly applied or 10-0-0 oc braching. EACTIONS Size) 2-0-3-8, 6= Mechanical Max Upitt 2=-63 (LC 9) Max Upitt 2=-63 (LC 9), 6=-25 (LC 12) Max Grav 2=160 (LC 1), 6=66 (LC 1) DRCES (Ib) - Maximum Compression/Maximum Tension PP CHORD 1-2=-40, 2-4=-69/33, 4-5=-10, 4-6=-67/112 DT CHORD 2-620/21 DT DT CHORD 2-620/21 DT DT DT ST Statistic and C-C Exterior(ZE) zone; cartilever left and right exposed; end vertical left and right repations chown; Lumber DOL=1.60 plate grip CT for the lead nonconcurrent with any other live loads. Bearings are assumed to be: Joint 2 SP No.2 crussling capacity of 566 plat. Refer to girdef(s) lof truss to mass connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 th upilit al joint 2. This truss is designed in accordance with the 2018 International Residential COORE sections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 th upilit al joint 2. This truss is designed in accordance with the 2018 International Residential CONCE J. 11.1 and R802.10.2 and referenced standard ANSI/TP11.	SLIDER		1-6-7										
PF CHOR Structural wood sheathing directly applied or 1-0-96 op unins, except end verticals. DT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. EACTIONS (size) 2-0-3-8, 6= Mechanical Max Horiz 2-46 (LC 9), 6=-25 (LC 12) Max Grav 2-160 (LC 9), 6=-82 (LC 12) Max Grav 2-160 (LC 9), 6=-82 (LC 12) Max Grav 2-160 (LC 9), 6=-82 (LC 11) PRCES (I) Maximum Compression/Maximum Tension DF CHORD 1-2-4/0, 2-469/3, 4-5=-1/0, 4-6=-67/112 DT CHORD 2-6=-20/21 DT ES Wind: ASCE 7-16; Vult=115mph (3-second gust) Viad=4-91mph; TCDL=60 (Dst; 6=-26) (E, 6) (Dst; 6=-26)	BRACING												
DT CHORD Rigid celling directly applied or 10-0-0 cc bracing. EACTIONS (size) 2=0-3-8, 6= Mechanical Max Horiz 2=46 (LC 9) Max Yoli 2=46 (LC 9) Max Yoli 2=46 (LC 9, 6=-25 (LC 12) Max Grav 2=160 (LC 1), 6=-68 (LC 1) DRCES (b)- Maximum Compression/Maximum Tension DP CHORD 1:-2=-40, 2:469/33, 4:5=-1/0, 4:6=-67/112 DT CHORD 2:-6=-20/21 Wind: ASCE 7-16; Vull=115mph (3-second gust) Wind: ASCE 7-16; Vull=115mph (3-second gust) Wind: ASCE 7:-16; Vull=115mph (3-second gust) Vasd=91mph; TCDL=6:0psf; BCDL=6:0psf; h=35ft; Ke=1.00, Cat. II; Exp C; Enclosed; MWFRS for reactions shown; Lumber DDL=1.60 plate grip DDL=1.60 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. Bearing are assumed to be: Joint 2 SP No.2 crushing capacity of 565 psi. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb upilt at joint 6 and 63 lb upilt 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/TP1 1.	TOP CHORD	Structural wood she	athing directly appli	ed or									
bracing. The second													
EACTIONS (size) 2-0-3-8, 6 = Mechanical Max Horiz 2=46 (LC 9) Max Uplit 2=46 (LC 9), 6=-25 (LC 12) Max Grav 2=160 (LC 1), 6=-68 (LC 1) PRCES (Ib) - Maximum Compression/Maximum Tension DP CHORD 1:2=-4/0, 2:4=-69/33, 4:5=-1/0, 4:6=-67/112 DT CHORD 2:6=-20/21 DT CHORD 2:6=-20/	BOT CHORD	0 0 ,	/ applied or 10-0-0 o	0C									
A variation of the second standard ANSUTP1 1. Max Upifit 2=-64 (LC 8) Max Upifit 2=-64 (LC 9) Max Grav 2=160 (LC 1), 6=-68 (LC 1) Max Grav 2=160 (LC 1), 6=-68 (LC 1) Max Grav 2=160 (LC 1), 6=-68 (LC 1) SRCES (b) - Maximum Compression/Maximum Tension DP CHORD 1=2=-4/0, 2=4=-69/33, 4=5=-1/0, 4=6=-67/112 DT CHORD 2=6=2021 DTES Wind: ASCE 7-16; Vull=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35f; Ke=1:00; Cat: II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. Bearings are assumed to be: Joint 2 SP No.2 crushing capacity of 565 psi. Refer to girder(s) for truss to truss connections. Provide mechanical connections, Oftruss to bearing plate capable of withstanding 25 lb upifit at joint 6 and 63 b upifit 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 ANSUTP1 1. A	REACTIONS	0	6= Mechanical										
Max Grav 2=160 (LC 1), 6=68 (LC 1) DRCES (b) - Maximum Compression/Maximum Tension DP CHORD 1:2=-40, 2:4=-69/33, 4-5=-1/0, 4-6=-67/112 DT CHORD 2:6=-20/21 DTES Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0pst; BCDL=6.0pst; h=>35t; Ke=1.00; Cat. II; Exp. C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; c-C for members and forces & MWFRS for reactions shown; Lumber DDL=1.60 plate grip DDL=1.60 This truss has been designed for a 10.0 pst bottom chord live load nonconcurrent with any other live loads. Bearings are assumed to be: Joint 2 SP No.2 crusting capacity of 566 psi. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 63 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/TP1 1.		()											
DRCES (b) - Maximum Compression/Maximum Tension PC HORD 1:2-e-4/0, 2-4=-69/33, 4-5=-1/0, 4-6=-67/112 DT CHORD 2-6=-20/21 DTES Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; bc3L=6.0psf; bc3L		Max Uplift 2=-63 (LC	C 8), 6=-25 (LC 12)										
Tension DP CHORD 1-2=-40, 2-4=-69/3, 4-5=-1/0, 4-6=-67/112 DT CHORD 2-6=-20/21 DTES 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; cartilever 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 2 SP No.2 crushing capacity of 565 psi. Refer to grider(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 3lb uplift at joint 2. This truss is designed in accordance with the 2018 Interactional Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.		Max Grav 2=160 (L0	C 1), 6=68 (LC 1)										
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DT CHORD 2-6=-20/21 DTES 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 V-Co Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. Bearings are assumed to be: Joint 2 SP No.2 crushing capacity of 565 psi. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 6 3lb 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/TP1 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 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 No.2 crushing capacity of 565 psi. Refer to girder(s) for truss to truss connection. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 6 and 63 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.	TOP CHORD		3, 4-5=-1/0, 4-6=-67	/112									
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 (5: Enclosed; MWFRS (nor reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 DoL=1.60 DoL=1.60 DoL=1.60 plate grip 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 2 SP No.2 crushing capacity of 565 psi. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 63 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.		2-6=-20/21											
Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; b=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; IMWFRS (envelope) exterior zone and C-C Exterior(2E) zone; canliever 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 2 SP No.2 crushing capacity of 565 psi. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 63 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.			(a										
Ke=1.00; Čat. II; Exp C; Énclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. Bearings are assumed to be: Joint 2 SP No.2 crushing capacity of 565 psi. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 63 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.													
exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. Bearings are assumed to be: Joint 2 SP No.2 crushing capacity of 565 psi. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 63 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.				ne)									
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 2 SP No.2 crushing capacity of 565 psi. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 63 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. A													and a
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 2 SP No.2 crushing capacity of 565 psi. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 63 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. A	and right	exposed ; end vertical	left and right									OF	MIG
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 2 SP No.2 crushing capacity of 565 psi. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 63 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. A				r								FE	UTISS STA
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 No.2 crushing capacity of 565 psi. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 63 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.			1.60 plate grip								6	AN'	NON N
chord live load nonconcurrent with any other live loads. Bearings are assumed to be: Joint 2 SP No.2 crushing capacity of 565 psi. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 63 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.			r a 10.0 pat hottom								B	S/ ERIC	CA.
Bearings are assumed to be: Joint 2 SP No.2 crushing capacity of 565 psi. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 63 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.				ade							R	/ GILB	ERT
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Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 63 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.				5							Xa ,	11	7/1
Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 63 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.										-	44	NUM	BER A
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. July 18,2024											17	PE-2011	030168
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. July 18,2024			nding 25 lb uplift at j	joint							N	The solution	A A
R802.10.2 and referenced standard ANSI/TPT1.			ance with the 2019								X		I GI H
R802.10.2 and referenced standard ANSI/TPT1.				and								VONA	LEFA
July 18,2024												an	THE
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.												Jul	y 18,2024
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													T _ ®

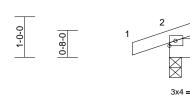


						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv	Roof - BY Lot 1340	AS NOTED FOR PLAN REVIEW
000	11033	Truss Type	Gery	i iy		DEVELOPMENT SERVICES 166930067
P250367-01	J6	Monopitch	5	1	Job Reference (optional	

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wid Jul 17 (2494/20/29:25) ID:1GdXNR8PAVDAQzxhdFTEUTy4k3V-RfC?PsB70Hq3NSgPqnL8w3uITXt GKWrCDer7342.Cf



VERTICAL SUPPORT OF FREE END OF CHORD IS REQUIRED.





0-10-8

3

Scale = 1:28.5					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	0.10	Vert(LL)	0.00	2	>999	240	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.00	2	>999	180			
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 5 lb	FT = 20%	
LUMBER TOP CHORD	LUMBER TOP CHORD 2x4 SP No.2												
BOT CHORD BRACING	2x6 SPF No.2												
TOP CHORD	Structural wood she 0-10-8 oc purlins.	tructural wood sheathing directly applied or -10-8 oc purlins.											

	0-10-8 oc	purlins.
BOT CHORD	Rigid ceili bracing.	ng directly applied or 10-0-0 oc
	0	
REACTIONS	(size)	2=0-3-8, 4= Mechanical
	Max Horiz	2=37 (LC 8)
	Max Uplift	2=-69 (LC 8), 4=-10 (LC 8)
	Max Grav	2=140 (LC 1), 4=17 (LC 3)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOPOLOPP	1 0 0/0 0	0.00/0

TOP CHORD 1-2=0/2, 2-3=-36/0 BOT CHORD 2-4=0/0

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) 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.
- 3) Bearings are assumed to be: Joint 2 SPF No.2 crushing capacity of 425 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 69 lb uplift at joint 2 and 10 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



July 18,2024



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Plv	Roof - BY Lot 1340	AS NOTED FOR PLAN REVIEW
000	11035		Qty	i iy	1001-01-001-040	DEVELOPMENT SERVICES 166930068
P250367-01	J7	Monopitch Supported Gable	1	1	Job Reference (optional)	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Jul 17 (2454)/20/29:25 ID:1GdXNR8PAVDAQzxhdFTEUTy4k3V-RfC?PsB70Hq3NSgPqnL8w3uITXt GKWrCDer7342.Cf

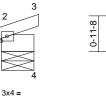


0-1-8

12 4 Г

VERTICAL SUPPORT OF FREE END OF CHORD IS REQUIRED.





0-10-8

Scale - 1:30.9

Scale = 1.50.9						·					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	0.15	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 5 lb	FT = 20%
LUMBER			8) Provide me	chanical connec	tion (by oth	ers) of truss to	C					
TOP CHORD	2x4 SP No.2			te capable of wit								
BOT CHORD	2x6 SPF No.2		2 and 67 lb	uplift at joint 4.	-	-	-					
BRACING				s designed in ac								
TOP CHORD	Structural wood she 0-10-8 oc purlins.	athing directly applie		al Residential Co and referenced s			nd					
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 or	LOAD CASE(S) Standard								
REACTIONS	(size) 2=0-10-8,	4=0-10-8										
	Max Horiz 2=37 (LC	8)										
	Max Uplift 2=-112 (L	.C 8), 4=-67 (LC 1)										
	Max Grav 2=212 (LC	C 1), 4=30 (LC 8)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-2=0/2, 2-3=-32/0											
BOT CHORD	2-4=0/0											
NOTES												
1) Wind: ASC	CE 7-16; Vult=115mph	(3-second gust)										
	ph; TCDL=6.0psf; BC											
Ke=1.00; 0	Cat. II; Exp C; Enclose	d; MWFRS (envelop	be)									

- exterior zone and C-C Corner(3E) 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) 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.
- 3) Gable requires continuous bottom chord bearing.
- 4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web). Gable studs spaced at 2-0-0 oc. 5)
- This truss has been designed for a 10.0 psf bottom 6)
- chord live load nonconcurrent with any other live loads. All bearings are assumed to be SPF No.2 crushing 7)
- capacity of 425 psi.



 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)



