

RE: B240019 - Lot 170 HT Site Information: Project Customer: Summit Homes Pro Lot/Block: 170 Model: Riverside - Farmhouse Address: 3208 SW Arbor Sound Dr City: Lee's Summit General Truss Engineering Criteria & Drawings Show Special Loading Cone Design Code: IRC2018/TPI2014 Wind Code: ASCE 7-16 [IWind Signaded: 11] Roof Load: 45.0 psf	Subdivision: Hawthorne Ridge State: MO Design Loads (Individual Truss Desigr ditions): Design Program: MiTek 20	
Mean Roof Height (feet): 25	Exposure Category: C	
No.Seal#Truss NameDate1 $163818340$ A1 $2/23/24$ 2 $163818341$ A2 $2/23/24$ 3 $163818342$ A3 $2/23/24$ 4 $163818343$ B1 $2/23/24$ 5 $163818344$ B2 $2/23/24$ 6 $163818345$ C1 $2/23/24$ 7 $163818346$ C2 $2/23/24$ 8 $163818347$ D1 $2/23/24$ 9 $163818346$ C2 $2/23/24$ 10 $163818349$ E1 $2/23/24$ 11 $163818350$ E2 $2/23/24$ 12 $163818350$ E2 $2/23/24$ 13 $163818352$ G1 $2/23/24$ 14 $163818353$ G2 $2/23/24$ 15 $163818356$ H2 $2/23/24$ 16 $163818356$ H2 $2/23/24$ 17 $163818356$ H2 $2/23/24$ 18 $163818357$ H3 $2/23/24$ 19 $163818356$ H2 $2/23/24$ 20 $163818356$ H2 $2/23/24$ 21 $163818361$ H7 $2/23/24$ 22 $163818363$ H9 $2/23/24$ 23 $163818367$ LAY1 $2/23/24$ 24 $163818367$ LAY1 $2/23/24$ 25 $163818367$ LAY1 $2/23/24$ 26 $163818367$ LAY1 $2/23/24$ 27 $163818367$ LAY1 $2/23/24$ 28 $163818367$ LAY1 $2/23/24$ 29 $163818367$	No.         Seal#         Truss Name         Date           35         I63818374         V6         2/23/24           36         I63818376         V8         2/23/24           37         I63818376         V8         2/23/24           38         I63818377         V9         2/23/24           39         I63818378         V10         2/23/24           40         I63818379         V11         2/23/24           41         I63818380         V12         2/23/24           42         I63818381         V13         2/23/24           42         I63818381         V13         2/23/24	
The truss drawing(s) referenced above have MiTek USA, Inc. under my direct supervis provided by Wheeler - Waverly. Truss Design Engineer's Name: Sevier My license renewal date for the state of Mit	ion based on the parameters	STATE OF MISSOL

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

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



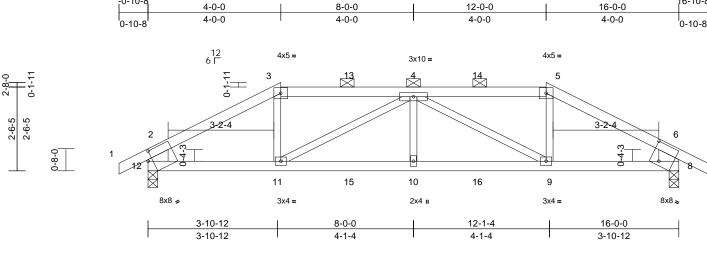
Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	A1	Hip Girder	1	1	Job Reference (optional)	163818340

-0-10-8

Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:46 ID:XpMCmw72opF9?k\_wkjEbUFziJgJ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

16-10-8



Scale = 1:34.7

2-9-3

### Plate Offsets (X, Y): [8:0-3-2,0-6-8], [12:0-1-10,0-3-4]

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15		CSI TC BC	0.91	DEFL Vert(LL)	in -0.10	(loc) 10-11	l/defl >999	L/d 360	PLATES MT20	<b>GRIP</b> 197/144
	10.0	Rep Stress Incr Code	NO IRC2018	3/TPI2014	WB Matrix-S	0.88 0.41	Vert(CT) Horz(CT) Wind(LL)	-0.19 0.04 0.09	10-11 8 9-10	>964 n/a >999	240 n/a 240	Weight: 54 lb	FT = 10%
BOT CHORD 2x WEBS 2x 24 BRACING TOP CHORD 5 2- BOT CHORD Ri br REACTIONS (size Max Max	00F 2.0E           ructural wood sheat           10-13 oc purlins, e           0-0 oc purlins (4-1)           gid ceiling directly           acing.           e)         8=0-3-8, 1           x Horiz         12=-50 (Li           x Horiz         12=-51 (Li           x Grav         8=1051 (Li	applied or 9-1-10 oc	and 8) 9) 10	on the bottom 3-06-00 tall b chord and an All bearings a Provide mecl bearing plate 12 and 218 ll This truss is International R802.10.2 ar Graphical pu or the orienta bottom chorc ) Hanger(s) or provided suff	other connection icient to support c	s where s SPF No b SPF No b (by oth anding 2 dance w sections ndard AN b does no along the device(s oncentra	a rectangle veen the both 0.2. ers) of truss t 18 lb uplift al 18 K502.11.1 a ISI/TPI 1. ot depict the top and/or ) shall be ated load(s) 1	to to tijoint and size 84					
TOP CHORD 1-2 TOP CHORD 1-2 2-2 BOT CHORD 11 9-2 WEBS 3-2 4-2 NOTES 1) Unbalanced ro this design. 2) Wind: ASCE 7 Vasd=91mph; II; Exp C; Encle cantilever left a right exposed;	Ansion 2=0/37, 2-3=-1468 5=-1210/287, 5-6= 12=-926/224, 6-8= -12=-259/1223, 1( 10=-412/1854, 8-9 11=0/396, 5-9=0/3 11=-761/200, 4-9= bof live loads have -16; Vult=115mph TCDL=6.0psf; BCI osed; MWFRS (en and right exposed Lumber DOL=1.6( ate drainage to pro	//313, 3-4=-1210/287, 1468/313, 6-7=0/37, 926/224 )-11=-412/1854, )=-236/1223 96, 4-10=0/283, 761/200 been considered for (3-second gust) DL=6.0psf; h=25ft; C- ivelope) exterior zone ; end vertical left and 0 plate grip DOL=1.66 event water ponding.	11 LC 1) at. 2)	at 6-0-12, 86 down and 65 lb up at 12-0 31 lb down a down at 9-11 chord. The c (s) is the resp of the truss a <b>DAD CASE(S)</b> Dead + Roc Plate Increa Uniform Loa Vert: 1-2 8-12=-20 Concentrate Vert: 3=-	of Live (balanced): ase=1.15 ads (lb/ft) =-70, 2-3=-70, 3-5	b up at and 184 nd 74 lb wn at 8- /n at 11 such cc s. loads a (F) or ba =-70, 5-1 3), 11=-5	8-0-0, and 86 lb down and down at 4-0 0-0, and 31 l 11-4 on botto innection dev opplied to the lick (B). Increase=1. 6=-70, 6-7=-7 8 (B), 9=-58	5 lb 147 -0, b om vice face 15, 70,				STATE OF I SCOT SEV. NUM PE-2001	server

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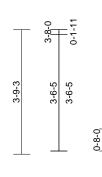
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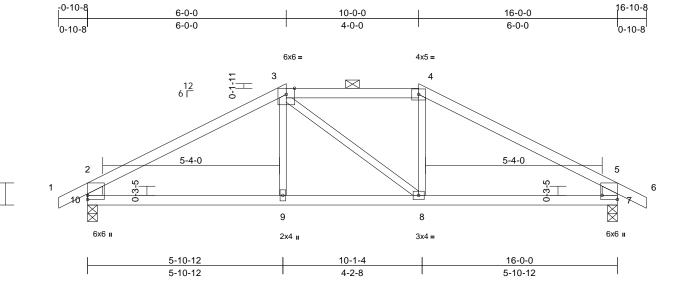
February 23,2024

Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	A2	Нір	1	1	Job Reference (optional)	163818341

### Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:48 ID:tE6Eh?nsducH0HGLX7Dop8ziJgm-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







Scale = 1:34.8

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

	(X, 1): [7:Edge,0 0 0]											
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	0.58 0.35 0.08	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.04 -0.08 0.02	(loc) 8-9 8-9 7	l/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20	<b>GRIP</b> 197/144
BCDL	10.0	Code	IRC2018/TP	2014 Matrix-S		Wind(LL)	0.02	8-9	>999	240	Weight: 51 lb	FT = 10%
LUMBER TOP CHORE BOT CHORE WEBS BRACING TOP CHORE	<ul> <li>2x4 SPF No.2</li> <li>2x4 SPF No.2</li> <li>2x3 SPF No.2 *Exce No.2</li> <li>Structural wood she 5-1-12 oc purlins, e 2-0-0 oc purlins (6-0</li> </ul>	athing directly applie xcept end verticals, )-0 max.): 3-4.	7) Probe be 10 PF 8) Th Int R8 ed or 9) Gr and or bo	ovide mechanical conne- aring plate capable of wi and 97 lb uplift at joint 7 is truss is designed in ac ernational Residential Cr 02.10.2 and referenced aphical purlin represent the orientation of the pur tom chord. CASE(S) Standard	ithstanding 9 ccordance w ode sections standard AN ation does no	ers) of truss 17 lb uplift at 18 the 2018 18 R502.11.1 a 18 I/TPI 1. 10 depict the	joint and					
BOT CHORE	<ul> <li>Rigid ceiling directly bracing.</li> </ul>	applied or 10-0-0 o	c LOAD	CASE(S) Standard								
REACTIONS	•	.C 6) C 9), 10=-97 (LC 8)										
FORCES	(lb) - Maximum Corr	,. , ,										
TOP CHORE	4-5=-980/78, 5-6=0/ 5-7=-708/140	35, 2-10=-708/140,										
BOT CHORE	,	,										
WEBS	3-9=0/189, 3-8=-114	4/115, 4-8=0/189										
NOTES	and reaf live loads have	heen eensider-df-	-								STA	1000
this desid	ced roof live loads have	been considered to	I								F. OF I	MISSO
2) Wind: AS Vasd=91 II; Exp C cantileve	SCE 7-16; Vult=115mph mph; TCDL=6.0psf; BC ; Enclosed; MWFRS (er r left and right exposed	DL=6.0psf; h=25ft; ( nvelope) exterior zor ; end vertical left an	ne; d							A A	STATE OF I	тм.
	osed; Lumber DOL=1.6									NX N	) the	0
	adequate drainage to pr s has been designed fo		].								coll:	Server
	e load nonconcurrent wi		ds.						-	27	NUM	
5) * This tru on the bo 3-06-00 t	iss has been designed f bttom chord in all areas tall by 2-00-00 wide will d any other members.	or a live load of 20.0 where a rectangle	)psf							W.	PE-2001	LENGI
	has are assumed to be \$	SPF No 2									CONA	TOS

6) All bearings are assumed to be SPF No.2 .

February 23,2024

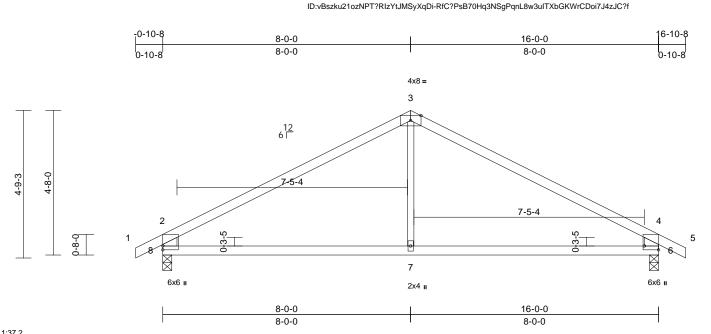


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Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	A3	Common	3	1	Job Reference (optional)	163818342

Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries. Inc. Fri Feb 23 08:12:48

Wheeler Lumber, Waverly, KS - 66871,



### Scale = 1:37.2 Plate Offsets (X, Y): [6:Edge,0-5-8]

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	0.82	Vert(LL)	-0.07	7-8	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.15	7-8	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.05	7-8	>999	240	Weight: 46 lb	FT = 10%

- LUMBER

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x6 SPF No.2 \*Except\* 7-3:2x3 SPF No.2 WEBS BRACING TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS 6=0-3-8, 8=0-3-8 (size) Max Horiz 8=-75 (LC 6) Max Uplift 6=-112 (LC 9), 8=-112 (LC 8) Max Grav 6=777 (LC 1), 8=777 (LC 1) FORCES (Ib) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/35, 2-3=-905/121, 3-4=-905/121, 4-5=0/35, 2-8=-717/168, 4-6=-717/168 BOT CHORD 7-8=-27/693, 6-7=-27/693 WFBS 3-7=0/345

### 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=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; 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.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SPF No.2 . 5)
- Provide mechanical connection (by others) of truss to 6) bearing plate capable of withstanding 112 lb uplift at joint 8 and 112 lb uplift at joint 6.

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.

LOAD CASE(S) Standard



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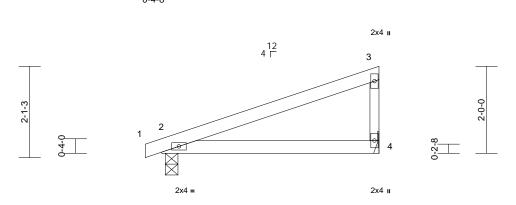


 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponent.com)

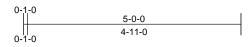
Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	B1	Monopitch	7	1	Job Reference (optional)	163818343

### Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:48 ID: vBszku21 oz NPT? RIzYtJMSyXqDi-RfC? PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC? figther the second state of the second state





5-0-0 5-0-0



### Scale = 1:26.5

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	CSI TC BC WB Matrix-P	0.42 0.23 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.03 -0.06 0.00	(loc) 2-4 2-4 4	l/defl >999 >933 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 13 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 2x3 SPF No.2 Structural wood she 5-0-0 oc purlins, exi Rigid ceiling directly bracing.	cept end verticals.										
	(Size)         2=0-3-6, 2           Max Horiz         2=76 (LC           Max Uplift         2=-58 (LC           Max Grav         2=252 (LC           (lb) - Maximum Com	5) 2 4), 4=-45 (LC 8) C 1), 4=212 (LC 1)										
TOP CHORD BOT CHORD NOTES	Tension TOP CHORD 1-2=0/6, 2-3=-66/43, 3-4=-164/74 30T CHORD 2-4=-24/18											
<ol> <li>Wind: ASC Vasd=91m II; Exp C; I cantilever right expos</li> <li>This truss chord live</li> <li>* This trus on the bot</li> <li>3-06-00 ta chord and</li> <li>All bearing Refer to gi</li> <li>Provide m bearing pla 4 and 58 ll</li> <li>This truss Internation</li> </ol>	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed; Lumber DOL=1.6 has been designed for load nonconcurrent wi s has been designed for tom chord in all areas any other members. Is are assumed to be S irder(s) for truss to trus echanical connection ( ate capable of withstar b uplift at joint 2. is designed in accorda nal Residential Code se and referenced stand <b>S</b> ) Standard	DL=6.0psf; h=25ft; C velope) exterior zon ; end vertical left and 0 plate grip DOL=1.6; r a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle fit between the botto SPF No.2 . ss connections. (by others) of truss to adding 45 lb uplift at jo ance with the 2018 ections R502.11.1 ar	e; 50 ds. psf m								STATE OF I SCOT SEV. PE-2001	

February 23,2024

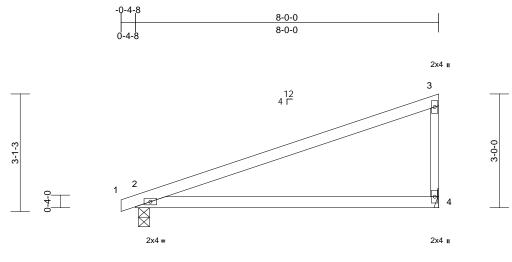
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CTION **IEW** DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 03/22/2024 12:48:46

Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	B2	Monopitch	3	1	Job Reference (optional)	163818344

### Run: 9 S 8,73 Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:49 ID: vBszku21 oz NPT? RIzYtJMSyXqDi-RfC? PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC? figther the second state of the second state

Page: 1





### Scale = 1:30.4

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 IRC2018/TPI2014	BC	0.77 0.42 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.17 -0.34 0.00	(loc) 2-4 2-4 4	l/defl >553 >276 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 21 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	TOP CHORD 2x4 SPF 2100F 1.8E BOT CHORD 2x4 SPF 2100F 1.8E WEBS 2x3 SPF No.2 BRACING TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 2=0-3-8, 4= Mechanical Max Horiz 2=121 (LC 5)											
FORCES	Max Horiz 2=121 (LC 5) Max Uplift 2=-79 (LC 4), 4=-74 (LC 8) Max Grav 2=386 (LC 1), 4=348 (LC 1)											
BOT CHORD NOTES	2-4=-38/29											
<ul> <li>II; Exp C; cantilever right export</li> <li>This truss chord live</li> <li>* This trus</li> <li>on the bot</li> <li>3-06-00 ta chord and</li> <li>All bearing</li> </ul>												
<ul> <li>6) Provide m bearing pla 4 and 79 ll</li> <li>7) This truss Internation R802.10.2</li> </ul>	<ul> <li>Refer to girder(s) for truss to truss connections.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 4 and 79 lb uplift at joint 2.</li> <li>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.</li> <li>OAD CASE(S) Standard</li> </ul>											



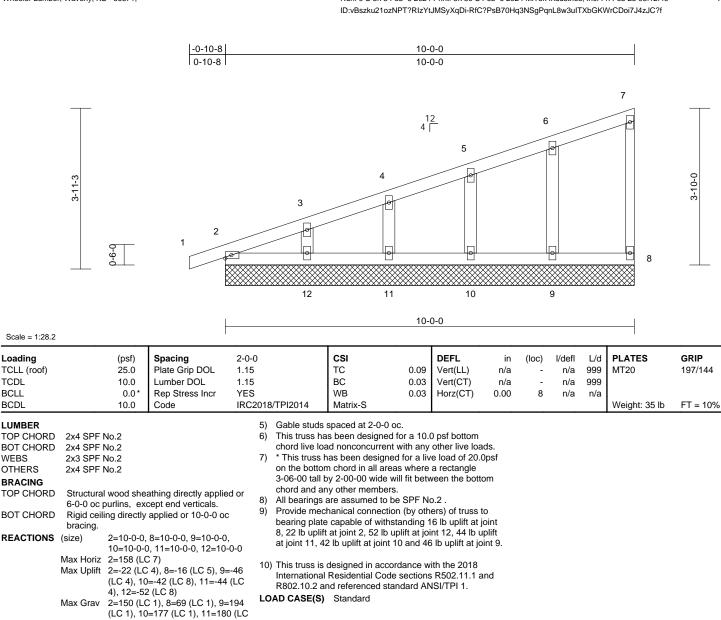
February 23,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	C1	GABLE	1	1	Job Reference (optional)	163818345

### Run: 9 S 8 73 Feb 6 2024 Print: 8 730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:49 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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### 1), 12=182 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/6, 2-3=-129/27, 3-4=-102/21, 4-5=-86/21, 5-6=-76/22, 6-7=-61/29, 7-8=-53/22

### BOT CHORD 2-12=-50/37, 11-12=-50/37, 10-11=-50/37, 9-10=-50/37, 8-9=-50/37 3-12=-140/77, 4-11=-141/67, 5-10=-138/68, WEBS 6-9=-151/62

### NOTES

Loading

TCDI

BCLL

BCDL

WEBS

OTHERS

BRACING

LUMBER

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; 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) All plates are 2x4 MT20 unless otherwise indicated.
- 4) Gable requires continuous bottom chord bearing.



 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 and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponent.com)



Job	Truss	Truss Type Qty		Ply	Lot 170 HT	
B240019	C2	Monopitch	10	1	Job Reference (optional)	163818346

4-11-6

-0-10-8

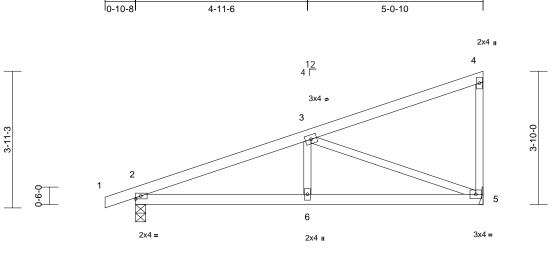
Wheeler Lumber, Waverly, KS - 66871,

Scale = 1:33.2

Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:49 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

10-0-0





4-11-6	10-0-0
4-11-6	5-0-10

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	тс	0.30	Vert(LL)	-0.02	2-6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.04	5-6	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.02	2-6	>999	240	Weight: 33 lb	FT = 10%
LUMBER			LOAD CASE(S)	Standard								

LUMBER		
TOP CHORD	2x4 SPF N	No.2
BOT CHORD	2x4 SPF N	No.2
WEBS	2x3 SPF N	No.2
BRACING		
TOP CHORD		wood sheathing directly applied or ourlins, except end verticals.
BOT CHORD	Rigid ceili bracing.	ng directly applied or 10-0-0 oc
REACTIONS	(size)	2=0-3-8, 5= Mechanical
	Max Horiz	2=158 (LC 5)
	Max Uplift	2=-115 (LC 4), 5=-94 (LC 8)
	Max Grav	2=514 (LC 1), 5=435 (LC 1)
FORCES	(lb) - Maxi Tension	imum Compression/Maximum
TOP CHORD	1-2=0/6, 2	2-3=-782/113, 3-4=-109/21,
	4-5=-141/	57
BOT CHORD	2-6=-134/	682, 5-6=-134/682
WEBS	3-6=0/228	3, 3-5=-714/178
NOTES		

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
   \* This truss has been designed for a live load of 20.0psf
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 5 and 115 lb uplift at joint 2.
- 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.

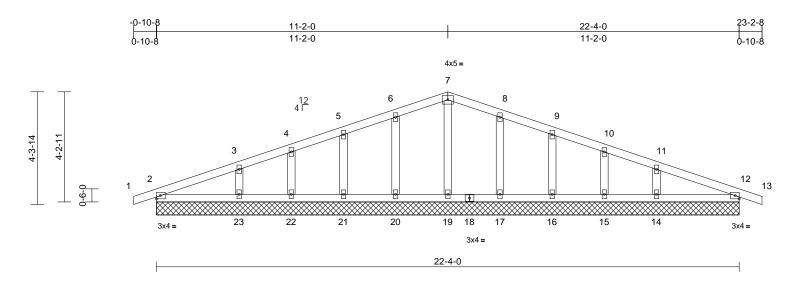


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



Job	Truss	iss Truss Type		Ply	Lot 170 HT	
B240019	D1	Common Supported Gable	1	1	Job Reference (optional)	163818347

Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:49 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



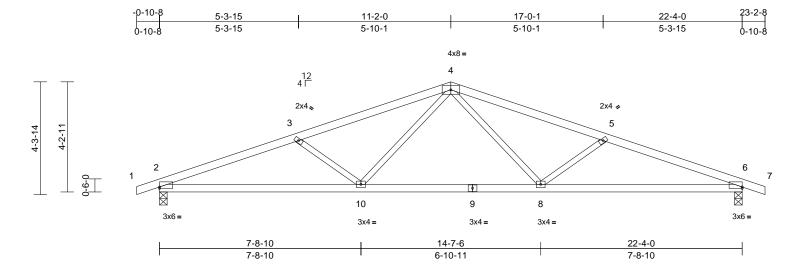
Scale = 1:44.2

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 toulsable 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 ICROMETRUCTION AS NOTED ON PLANS REVIEW DEVERSION SERVICES LEE'S'SUMMIT'S MISSOURI 03/22/2024 12:48:46

Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	D2	Common	5	1	Job Reference (optional)	163818348

Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:50 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:44.2

### Plate Offsets (X, Y): [2:Edge,0-0-10], [6:Edge,0-0-10]

	(.,, .). [===ge;e e .e	], [===g=,= = =]										
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	0.47 0.69	DEFL Vert(LL) Vert(CT)	in -0.12 -0.25	(loc) 8-10 6-8	l/defl >999 >999	L/d 360 240	PLATES MT20	<b>GRIP</b> 197/144
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.07	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.08	8-10	>999	240	Weight: 68 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	TOP CHORD       2x4 SPF No.2       bearing plate capable of withstanding 189 lb uplift at joint         30T CHORD       2x4 SPF No.2       and 189 lb uplift at joint 6.         VEBS       2x3 SPF No.2       7)         BRACING       The trust wood sheathing directly applied or 3-7-2 oc purlins.       7)         SOT CHORD       Rigid ceiling directly applied or 10-0-0 oc bracing.       Standard											
REACTIONS												
FORCES	(lb) - Maximum Com Tension 1-2=0/6, 2-3=-2232/3											
BOT CHORD	4-5=-1909/260, 5-6= 2-10=-333/2049, 8-1 6-8=-280/2049	-2232/355, 6-7=0/6										
WEBS	4-8=-59/541, 5-8=-4 3-10=-418/221	18/221, 4-10=-58/54	41,									
this design 2) Wind: ASC Vasd=91n II; Exp C; cantilever	<ul> <li>NOTES</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60</li> </ul>											

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 5) All bearings are assumed to be SPF No.2 .



February 23,2024

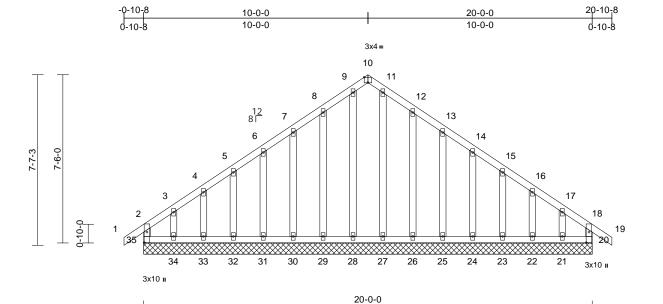
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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/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 CONTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT: SERVICES LEE'S'SUMWIT: MISSOURI 03/22/2024 12:48:46

Page: 1

Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	E1	GABLE	1	1	Job Reference (optional)	163818349

Run: 9 S 8,73 Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:50 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



### Scale = 1:51.4

### Plate Offsets (X, Y): [10:0-2-0,Edge], [20:0-5-10,0-1-8], [35:0-5-10,0-1-8]

	(··; · ): [:::::= :;=:g:	-], [===============], [				-							
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	3/TPI2014	<b>CSI</b> TC BC WB Matrix-R	0.08 0.06 0.09	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 20	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 115 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SPF No.2 2x4 SPF No.2 2x4 SPF No.2 Structural wood she 6-0-0 oc purlins, ex		d or		2-35=-162/77, 1-2 3-4=-110/109, 4-5 6-7=-76/125, 7-8= 9-10=-39/137, 10 12-13=-31/128, 1 14-15=-49/79, 15 17-18=-129/94, 1 34-35=-93/121, 3 32-33=-93/121, 3	5=-102/10 =-64/150, -11=-35/1 3-14=-40, -16=-59/6 8-19=0/4 3-34=-93, 1-32=-93,	10, 5-6=-89/1( 8-9=-54/184, 33, 11-12=-3 (103, 50, 16-17=-71 5, 18-20=-136 (121, (121,	4/165, /69,	<ul> <li>cho</li> <li>9) * T</li> <li>on</li> <li>3-0</li> <li>cho</li> <li>cho</li> <li>10) All</li> <li>11) Pro</li> <li>bea</li> <li>35,</li> </ul>	ord live lo his truss the botto 6-00 tall ord and a bearings ovide me aring pla 53 lb up	bad not has be om cho by 2-0 any oth s are as chanic te capa olift at j	een designed for rd in all areas wh 0-00 wide will fit l er members. ssumed to be SPI al connection (by able of withstandii pint 20, 133 lb up	any other live loads. a live load of 20.0psf ere a rectangle between the bottom F No.2 . others) of truss to ng 96 lb uplift at joint lift at joint 34, 28 lb
REACTIONS	23=20-0- 26=20-0- 29=20-0- 32=20-0- 35=20-0- 35=20-0- 35=213 (I Max Uplift 20=-53 (I 22=-31 (I 24=-45 (L	LC 7) LC 5), 21=-120 (LC 9) LC 9), 23=-50 (LC 9), LC 9), 25=-47 (LC 9),	0-0, 0-0, 0-0, 0-0, WE	EBS	30-31=-93/121, 2 28-29=-93/121, 2 26-27=-93/121, 2 24-25=-93/121, 2 20-21=-93/121, 2 20-21=-93/121, 2 20-21=-93/121 3-34=-104/103, 4 6-31=-98/62, 7-30 9-28=-119/9, 11-2 13-25=-98/63, 14 16-22=-99/57, 17	7-28=-93 5-26=-93 3-24=-93 1-22=-93 -33=-99/5 )=-98/63, 27=-108/( -24=-98/6	(121, (121, (121, (121, (121, (121, (122, 5, 5-32=-98/60, (1, 12-26=-101) (2, 15-23=-98	/82,	31, upl 24, Ib u 12) Thi Inte R8	47 lb up ift at join 50 lb up iplift at jo s truss is ernationa	olift at j t 26, 4 olift at j oint 21 s desig al Resid and ref	bint 30, 64 lb uplif 7 lb uplift at joint 2 bint 23, 31 lb uplif ned in accordanc dential Code sect erenced standard	ions R502.11.1 and
	30=-47 (L 32=-51 (L 32=-51 (L 24=-133) Max Grav 20=166 ( 22=127 (l 24=124 (l 26=128 (l 28=146 (l 30=125 (l 32=126 (l	$ \begin{array}{llllllllllllllllllllllllllllllllllll$	1) 6), 2) 6), 6), 7), 5), 3) (1), 3)	this design. Wind: ASCI Vasd=91mp II; Exp C; E cantilever le right expose Truss desig only. For si see Standa	E 7-16; Vult=115m bh; TCDL=6.0psf; nclosed; MWFRS eft and right expos ed; Lumber DOL= gned for wind load tuds exposed to w rd Industry Gable	ph (3-sec BCDL=6. (envelope ed ; end v 1.60 plate s in the p ind (norm End Deta	cond gust) Dpsf; h=25ft; f e) exterior zor vertical left an grip DOL=1. lane of the tru al to the face ils as applical	Cat. ne; d 60 iss ), ole,				STATE OF M SCOTT	MISSOLA T M. ER
FORCES	(Ib) - Maximum Con Tension	npression/Maximum	4) 5) 6) 7)	All plates and Gable required Truss to be braced again	Jualified building do re 2x4 MT20 unles ires continuous bo fully sheathed from inst lateral movem s spaced at 1-4-0 o	tom chorwi ttom chor m one fac ent (i.e. c	se indicated. d bearing. e or securely					PE-2001	12A

Connes February 23,2024

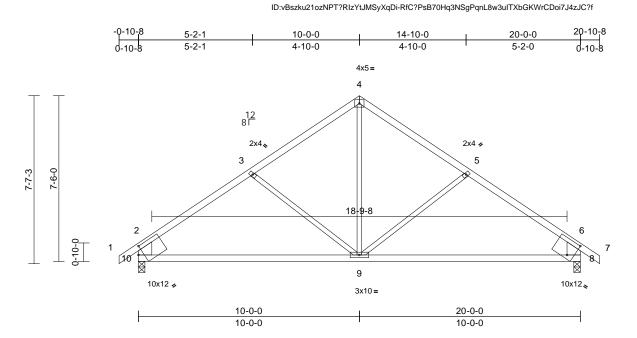


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Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	E2	Common	3	1	Job Reference (optional)	163818350

Run: 9 S 8,73 Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:50

Wheeler Lumber, Waverly, KS - 66871,



### Plate Offsets (X, Y): [8:0-3-6,0-8-1], [10:0-2-11,0-4-0]

Scale = 1:52.1

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	0.77	Vert(LL)	-0.17	9-10	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.73	Vert(CT)	-0.34	9-10	>677	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.24	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/T	FPI2014	Matrix-S		Wind(LL)	0.05	9-10	>999	240	Weight: 72 lb	FT = 10%
LUMBER			6) F	Provide med	nanical connection	(by oth	ers) of truss t	'n					
TOP CHORD	2x4 SPF No.2				capable of withsta								
BOT CHORD	2x4 SPF No.2				o uplift at joint 8.	5		,					
WEBS	2x3 SPF No.2 *Exce	pt* 10-2.8-6:2x8 SF			designed in accord	dance w	ith the 2018						
	2400F 2.0E	,		International	Residential Code	sections	s R502.11.1 a	nd					
BRACING			F	R802.10.2 ar	nd referenced stan	dard AN	ISI/TPI 1.						
TOP CHORD	Structural wood she	athing directly appli	ed or LOA	D CASE(S)	Standard								
	4-2-0 oc purlins, ex	cept end verticals.											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	с										
	bracing.												
REACTIONS	(size) 8=0-3-8, 1	10=0-3-8											
	Max Horiz 10=217 (L	_C 7)											
	Max Uplift 8=-125 (L	C 9), 10=-125 (LC 8	3)										
	Max Grav 8=955 (LC	C 1), 10=955 (LC 1)											
FORCES	(lb) - Maximum Com	pression/Maximum											
	Tension												
TOP CHORD	1-2=0/46, 2-3=-1079	,	,										
	4-5=-828/154, 5-6=-		,										
	2-10=-853/175, 6-8=												
BOT CHORD	9-10=-143/819, 8-9=												
WEBS	4-9=-46/479, 5-9=-2	55/212, 3-9=-254/2	11										
NOTES													
,	ed roof live loads have	been considered fo	r									000	TOP
this design		(0										OF I	ALSO A
	CE 7-16; Vult=115mph		Cat									STATE OF I	-00.V
	nph; TCDL=6.0psf; BC Enclosed; MWFRS (er										b	N	New Y
	left and right exposed										H	SCOT	TM. YOY
	sed; Lumber DOL=1.6										R	SEV	ER \ Y

This truss has been designed for a 10.0 psf bottom 3) chord live load nonconcurrent with any other live loads. 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom

chord and any other members. 5) All bearings are assumed to be SPF No.2 .

## NUMBER PE-2001018807 SSIONAL E February 23,2024

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)

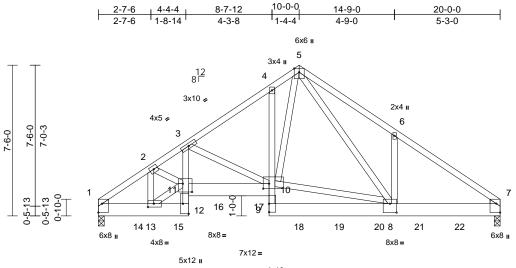
CTION **IEW** DEVELORMENT SERVICES LEE'S'SUMMIT'SMISSOURI 03/22/2024 12:48:46

Page: 1

Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	E3	Roof Special Girder	1	3	Job Reference (optional)	163818351

Scale = 1:57.3

Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:51 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



## 4x10 **I**

2-7-6	4-6-0	8-6-0	14-9-0	20-0-0	
2-7-6	1-10-10	4-0-0	6-3-0	5-3-0	

	], [11:0-5-8,0-5-0], [12:Edge,0-3-8], [13:0-3-8,0-2-0]

	, , , , , , , , , , , , , , , , , , ,	[, .= ago,o z oj, [0.0	- 0,0 0 -	], [10.0 0 0,0 0	. 0], [11.0 0 0,0 0	0], [12.0	ugo,o o oj, [1	0.0 0 0,0	2 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	0.67	Vert(LL)	-0.11	<b>8</b> -9	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.62	Vert(CT)	-0.20	8-9	>999	240		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.59	Horz(CT)	0.08	7	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S		Wind(LL)	0.07	8-9	>999	240	Weight: 410 lb	FT = 10%
	2x4 SPF No.2 2x8 SP 2400F 2.0E ' SPF No.2 2x4 SPF No.2 Left: 2x3 SPF No.2 Right: 2x3 SPF No.2 Structural wood shea 5-11-1 oc purlins. Rigid ceiling directly bracing. (size) 1=0-3-8, 7 Max Horiz 1=183 (LC Max Uplift 1=-675 (LI Max Grav 1=6998 (L	athing directly applie applied or 10-0-0 oc /=0-3-8 5 7) C 8), 7=-730 (LC 9)	(4 3) (4) (4) (4) (4) (4) (5) (5) (6)	except if not CASE(S) se provided to 0 unless other Unbalanced this design. ) Wind: ASCE Vasd=91mp II; Exp C; Er cantilever le right expose ) This truss h chord live lo ) * This truss on the botto	e considered equa ed as front (F) or ction. Ply to ply cc distribute only loa- wise indicated. roof live loads ha : 7-16; Vult=115m h; TCDL=6.0psf; 1 nclosed; MWFRS ft and right expose d; Lumber DOL= as been designed ad nonconcurrent has been designed m chord in all area	back (B) ponnection ds noted ve been ph (3-sec BCDL=6. (envelope ed ; end v 1.60 plate for a 10. with any d for a line as where	face in the LC is have been as (F) or (B), considered for cond gust) 0psf; h=25ft; e) exterior zoir vertical left an grip DOL=1. 0 psf bottom other live loa a rectangle	r Cat. he; d 60 ds. Dpsf	Co	oncentra Vert: 14 17=-136	5=-70, ted Lo =-1353 63 (F),	5-7=-70, 1-12=-2 ads (lb) 3 (F), 15=-1358 (I	=-1358 (F), 20=-1353
FORCES	(lb) - Maximum Com Tension		7	chord and a	by 2-00-00 wide w ny other members are assumed to b	S.		JIII					
TOP CHORD	1-2=-9573/901, 2-3= 3-4=-8592/845, 4-5= 5-6=-9344/1062, 6-7	-8312/914,	8)	<ul> <li>Provide med bearing plate</li> </ul>	chanical connections capable of withs	on (by oth	ers) of truss t						
BOT CHORD	1-13=-758/7239, 12- 11-12=-84/1825, 3-1 10-11=-1091/10900,	13=-104/1036, 1=-381/4198, 9-10=-10/1684,	-,	<ul> <li>1 and 730 lb uplift at joint 7.</li> <li>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.</li> <li>10) Hanger(s) or other connection device(s) shall be</li> </ul>							and a star		
(0.131"x3" Top chord	5-10=-688/6279, 5-8=-577/3885, 6-8=-133/590, 2-13=-3313/360, 11-13=-754/7155, 2-11=-364/4181 IOTES ) 3-ply truss to be connected together with 10d (0.131*x3") nails as follows: Top chords connected as follows: 2x4 - 1 row at 0-6-0			provided sufficient to support concentrated load(s) 1353 Ib down and 182 Ib up at 2-0-0, 1358 Ib down and 28 Ib up at 4-0-0, 1363 Ib down and 195 Ib up at 6-0-0, 1363 Ib down and 195 Ib up at 8-0-0, 1361 Ib down and 28 Ib up at 10-0-0, 1358 Ib down and 28 Ib up at 12-0-0, 1353 Ib down and 182 Ib up at 14-0-0, and 1353 Ib down and 182 Ib up at 16-0-0, and 1353 Ib down and 182 Ib up at 18-0-0 on bottom chord. The design/						Server			
oc.	ords connected as follo			selection of responsibilit	such connection of y of others.	device(s)	is the				W.	PE-2001	018807

Bottom chords connected as follows: 2x8 - 3 rows staggered at 0-4-0 oc, 2x4 - 1 row at 0-9-0 oc. Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

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

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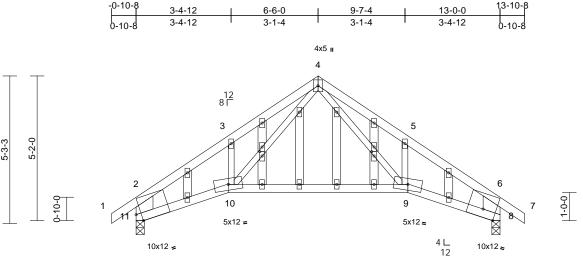
February 23,2024

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Page: 1

Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	G1	Roof Special Structural Gable	1	1	Job Reference (optional)	163818352

Run: 9 S 8,73 Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:51 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



0-3-8	3-3-8	9-8-8	12-8-8	13-0-0
0-3-8	3-0-0	6-5-0	3-0-0	0-3-8

Scale = 1:41.2

### Plate Offsets (X, Y): [8:0-5-7,Edge], [11:0-2-3,Edge], [14:0-1-14,0-1-0], [23:0-1-14,0-1-0]

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	8/TPI2014	CSI TC BC WB Matrix-S	0.73 0.50 0.13	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.10 -0.23 0.09 0.05	(loc) 9-10 9-10 8 9-10	l/defl >999 >641 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 64 lb	<b>GRIP</b> 197/144 FT = 10%
	2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 *Exce 2400F 2.0E 2x4 SPF No.2 Structural wood she 4-5-15 oc purlins, e Rigid ceiling directly bracing. (size) 8=0-3-8, 7 Max Horiz 11=155 (L Max Uplift 8=-89 (LC (lb) - Maximum Com Tension 1-2=0/46, 2-3=-934/ 4-5=-816/188, 5-6=- 2-11=-773/127, 6-8= 10-11=-91/750, 9-10 5-9=-74/167, 4-9=-1 4-10=-155/437	athing directly applie xcept end verticals. applied or 10-0-0 oc 9), 11=3-8 C 7) 9), 11=-89 (LC 8) C 1), 11=640 (LC 1) pression/Maximum 109, 3-4=-816/224, 934/67, 6-7=0/46, 773/99 I=0/443, 8-9=0/687	ed or 9) 1( ; 12 12	This truss ha chord live loc * This truss I on the botton 3-06-00 tall I chord and an All bearings 0) Bearing at jc using ANSI/ designer sho 1) Provide mec bearing plate 11 and 89 lb 2) This truss is International	spaced at 1-4-0 d is been designed ad nonconcurrent has been designed n chord in all are- by 2-00-00 wide v y other members are assumed to b int(s) 11, 8 consi- (FI) 1 angle to gra- uld verify capacit hanical connectic e capable of withs uplift at joint 8. designed in accoo Residential Codend referenced sta Standard	for a 10.0 with any d for a liv as where will fit betv s. es SPF No ders para ain formul- ty of bear on (by oth standing & wrdance we e sections	other live loa e load of 20.0 a rectangle veen the bottu 0.2. llel to grain via a. Building ng surface. ers) of truss t 9 lb uplift at j ith the 2018 R502.11.1 a	0psf om alue to joint				50000	
<ol> <li>Unbalance this design</li> <li>Wind: ASC Vasd=91m</li> </ol>	ed roof live loads have n. CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed: MWERS (er	Cat.									STATE OF I	T M.	

- II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss 3) only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated. Truss to be fully sheathed from one face or securely 4)
- 5) braced against lateral movement (i.e. diagonal web).

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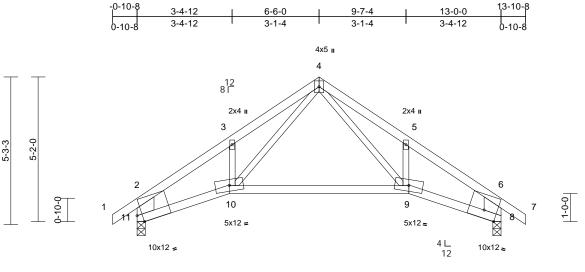
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 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value to dury with with where outputs into design is based only door parameters shown, and is 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)

Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	G2	Roof Special	1	1	Job Reference (optional)	163818353

Run: 9 S 8,73 Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:51 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



0-3-8	3-3-8	9-8-8	12-8-8 13-0-0
0-3-8	3-0-0	6-5-0	3-0-0 0-3-8

### Scale = 1:41.2

### Plate Offsets (X, Y): [8:0-5-7,Edge], [11:0-2-3,Edge]

	( ) , [ , -3-]	,											
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.73	Vert(LL)	-0.10	9-10	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.50	Vert(CT)	-0.23	9-10	>641	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.13	Horz(CT)	0.09	8	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S	-	Wind(LL)	0.05	9-10	>999	240	Weight: 50 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD	2x4 SPF No.2 2x4 SPF No.2		6)	using ANSI/	pint(s) 11, 8 consid TPI 1 angle to grain puld verify capacity	in formula	a. Building	/alue					
WEBS       2x3 SPF No.2 *Except* 11-2,8-6:2x8 SP 2400F 2.0E       7)       Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 89 lb uplift at joint													
TOP CHORD Structural wood sheathing directly applied or 4-5-15 oc purlins, except end verticals. 4-5-15 oc purlins, except end verticals. 4-5-15 oc purlins, except end verticals.													
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. R802.10.2 and referenced standard ANSI/TPI 1. LOAD CASE(S) Standard													
REACTIONS	(size) 8=0-3-8, *	11=0-3-8											
	Max Horiz 11=155 (I	_C 7)											
	Max Uplift 8=-89 (LC Max Grav 8=640 (LC	,, , ,											
FORCES	(lb) - Maximum Corr	,. , ,											
	Tension												
TOP CHORD	1-2=0/46, 2-3=-934/ 4-5=-816/188, 5-6=- 2-11=-773/127, 6-8=	934/67, 6-7=0/46,											
BOT CHORD WEBS	10-11=-91/750, 9-10 4-9=-133/395, 5-9=- 3-10=-67/157	,	437,										
NOTES													Th
,	ed roof live loads have	been considered fo	r									TATE OF N	MIG
this design		(0										FEUT	de sem
	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC		Cat								6	N	NON
	Enclosed; MWFRS (er										B	SCOT	$\Gamma M. \qquad (2 )$
, באף כ, ו			,								U	/ SEV	ER \V

right exposed; 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.

cantilever left and right exposed ; end vertical left and

- \* This truss has been designed for a live load of 20.0psf 4) on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SPF No.2 . 5)



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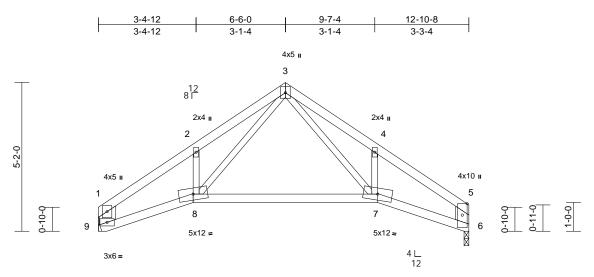
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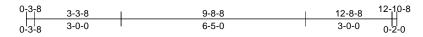
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Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	G3	Roof Special	4	1	Job Reference (optional)	163818354

### Run: 9 S 8,73 Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:52 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





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		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	0.52	Vert(LL)	-0.11	7-8	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.64	Vert(CT)	-0.27	7-8	>548	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.14	Horz(CT)	0.11	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/1	TPI2014	Matrix-S		Wind(LL)	0.07	7-8	>999	240	Weight: 47 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x3 SPF No.2 *Exce 2.0E, 6-5:2x6 SPF N Structural wood she 5-2-13 oc purlins, e Rigid ceiling directly bracing.	athing directly applie xcept end verticals. applied or 10-0-0 oc 9= Mechanical	F 8)   9)   d or   10)	using ANSI/T designer sho Provide mecl bearing plate Provide mecl bearing plate 6 and 61 lb u This truss is 6 International	hanical connec capable of wit plift at joint 9. designed in ac Residential Co nd referenced s	prain formula city of beari tion (by oth tion (by oth hstanding 6 cordance w de sections	a. Building ng surface. ers) of truss ers) of truss 1 lb uplift at th the 2018 R502.11.1 a	to to joint					

### NOTES

WEBS

FORCES

TOP CHORD

BOT CHORD

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

Tension

2-8=-101/159

Max Uplift 6=-61 (LC 9), 9=-61 (LC 8) Max Grav 6=555 (LC 1), 9=555 (LC 1)

(lb) - Maximum Compression/Maximum

1-2=-938/118, 2-3=-842/235, 3-4=-826/206, 4-5=-925/85, 1-9=-670/103, 5-6=-663/81

8-9=-115/744, 7-8=-12/436, 6-7=-38/688

3-7=-144/401, 4-7=-99/165, 3-8=-164/454,

- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; 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.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SPF No.2 . 5)
- 6) Refer to girder(s) for truss to truss connections.



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February 23,2024



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Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	H1	Common Supported Gable	2	1	Job Reference (optional)	163818355

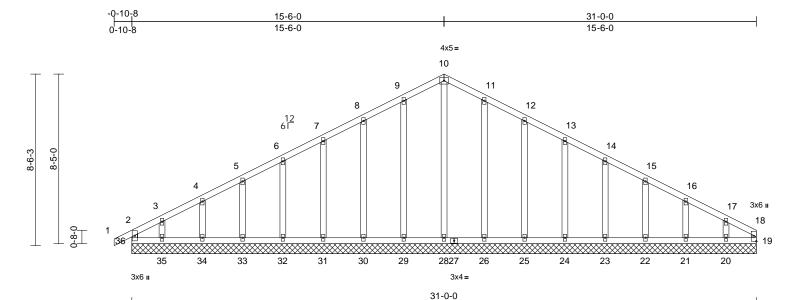
### Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:52 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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February 23,2024

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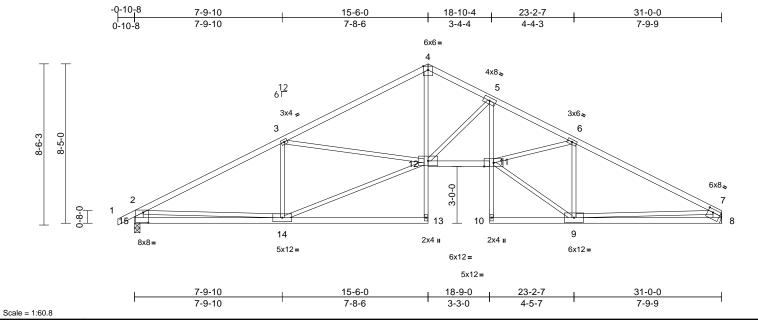
Scale = 1:57.2												
Loading TCLL (roof) TCDL BCLL BCDL LUMBER TOP CHORD	(psf) 25.0 10.0 0.0* 10.0 2x4 SPF No.2	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014 TOP CHOR	D 2-36=-134/43, 1- 3-4=-119/75, 4-5	=-88/92, 5	Horz(CT) -3=-171/69, 5-6=-66/118,	in n/a n/a 0.01	, cho	rd live lo	bad no		10.0 psf bottom any other live loads.
BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SPF No.2 Structural wood she 6-0-0 oc purlins, ex	ept* 18-19:2x3 SPF No eathing directly applied iccept end verticals. v applied or 10-0-0 oc		6-7=-56/144, 7-8 9-10=-41/219, 10 12-13=-39/122, 1 15-16=-52/45, 16 18-19=-62/0 D 35-36=-25/103, 3 33-34=-25/103, 3 31-32=-25/103, 3	)-11=-42/2 3-14=-38 )-17=-75/3 )4-35=-25 )2-33=-25	211, 11-12=-3 /97, 14-15=-3 37, 17-18=-12 /103, /103,	8/167, 8/71, 1/31,	on 1 3-0 cho 10) All 1 11) Pro bea 36,	the botto 6-00 tall ord and a bearings vide me oring plat 52 lb up	om cho by 2-0 any oth s are as chanic te capa olift at j	rd in all areas wh 0-00 wide will fit er members. ssumed to be SP al connection (by able of withstandi oint 29, 56 lb upli	between the bottom F No.2 . 7 others) of truss to ng 43 lb uplift at joint ft at joint 30, 54 lb
	(size) 19=31-0-( 22=31-0-( 25=31-0-( 29=31-0-( 32=31-0-( 35=31-0-( 35=31-0-( Max Horiz 36=138 (I Max Uplift 20=-94 (L 22=-56 (L		1-0, 1-0, 1-0,	,	25-26=-25 23-24=-25 21-22=-25 9-20=-25 29=-150/7 32=-140/7 35=-100/ 2-25=-13 4-23=-14	/103, /103, /103, /103 76, 8-30=-139, 78, 5-33=-138, 100, 9/81, 0/78,	/79,	33, upli 24, upli 12) This Inte	46 lb up ft at join 54 lb up ft at join s truss is ernationa 02.10.2 a	olift at j t 26, 5 olift at j t 21 ar s desig al Resid and ref	oint 3 <sup>4</sup> , 106 lb up 7 lb uplift at joint 2 oint 23, 56 lb upli id 94 lb uplift at jo ned in accordanc dential Code sect erenced standard	ce with the 2018 tions R502.11.1 and
	30=-56 (L 32=-54 (L 34=-46 (L 36=-43 (L 21=183 (L 23=180 (L 25=179 (L 28=201 (L 30=179 (L 32=181 (L	C 18), 20=167 (LC 22) LC 1), 22=179 (LC 22) LC 22), 24=180 (LC 1) LC 1), 26=190 (LC 22) LC 18), 29=190 (LC 22) LC 1), 31=180 (LC 21) LC 1), 33=178 (LC 21)	this des 2) Wind: A Vasd=9 II; Exp C ; cantilev 1), right exp ; 3) Truss c ; only. Fo	<ol> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60</li> <li>Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face),</li> </ol>							IM. YZY	
FORCES	34=190 (I 36=161 (I (Ib) - Maximum Com Tension	,	, or consu 4) All plate 5) Gable re 6) Truss to braced a	ndard Industry Gable II qualified building d s are 2x4 MT20 unlex equires continuous be be fully sheathed fro against lateral moven tuds spaced at 2-0-0	esigner a ss otherwi ottom choi m one fac nent (i.e. c	s per ANSI/TF ise indicated. rd bearing. ce or securely	기 1.				PE-2001	NOT

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Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	H2	Roof Special	1	1	Job Reference (optional)	163818356

Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:52 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



### Plate Offsets (X, Y): [7:0-3-4,0-2-0], [15:0-3-4,0-6-8]

Flate Olisets (	X, 1). [7.0-3-4,0-2-0],	[15.0-5-4,0-0-6]											
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	0.57 0.77 0.80	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	-0.39 0.22	(loc) 11-12 13-14 8 11-12	l/defl >999 >932 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 131 lb	<b>GRIP</b> 197/144 FT = 10%
	2x4 SPF 2100F 1.8E 2x4 SPF No.2 *Exce No.2 2x3 SPF No.2 *Exce No.2 Structural wood she 3-10-5 oc purlins, e Rigid ceiling directly bracing. (size) 8= Mecha Max Horiz 15=138 (L Max Uplift 8=-170 (L Max Grav 8=1373 (I	ept* 13-4,5-10:2x3 Si ept* 15-2,8-7:2x6 SP athing directly applie xcept end verticals. applied or 10-0-0 oc inical, 15=0-3-8 .C 12) C 9), 15=-196 (LC 8	PF 5) F d or 7) 8) 5 9)	chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar All bearings a Refer to gird Provide mec bearing plate 15 and 170 ll This truss is International	s been designed f ad nonconcurrent v has been designed in chord in all areas by 2-00-00 wide wi y other members. are assumed to be ar(s) for truss to tru- hanical connection o apable of withsta- b uplift at joint 8. designed in accord Residential Code and referenced stan Standard	with any for a liv s where Il fit betw SPF N uss conn a (by oth anding ' dance w sections	other live load e load of 20.1 a rectangle veen the bott c.2. ers) of truss i 96 lb uplift al ith the 2018 s R502.11.1 a	0psf om to t joint					
FORCES	(lb) - Maximum Com		,										
TOP CHORD	Tension 1-2=0/35, 2-3=-2285 4-5=-2321/300, 5-6= 6-7=-2258/269, 2-15 7-8=-1293/213	-3447/307,	Ι,										
BOT CHORD	14-15=-325/810, 13- 4-12=-111/1663, 11- 10-11=0/52, 5-11=-1 8-9=-148/687	-12=-136/2998,	,									OF N	
WEBS	3-14=-665/214, 12-1 3-12=-85/305, 5-12= 9-11=-188/2337, 6-1 6-9=-1314/197, 2-14	1318/199, 1=-45/1113,	232								Ø	STATE OF M	$M. \qquad \forall \checkmark \forall \lambda$
this desigr 2) Wind: ASC Vasd=91m II; Exp C; I cantilever right expos	<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=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60</li> <li>3) The Fabrication Tolerance at joint 2 = 6%</li> </ul>												



February 23,2024

03/22/2024 12:48:46

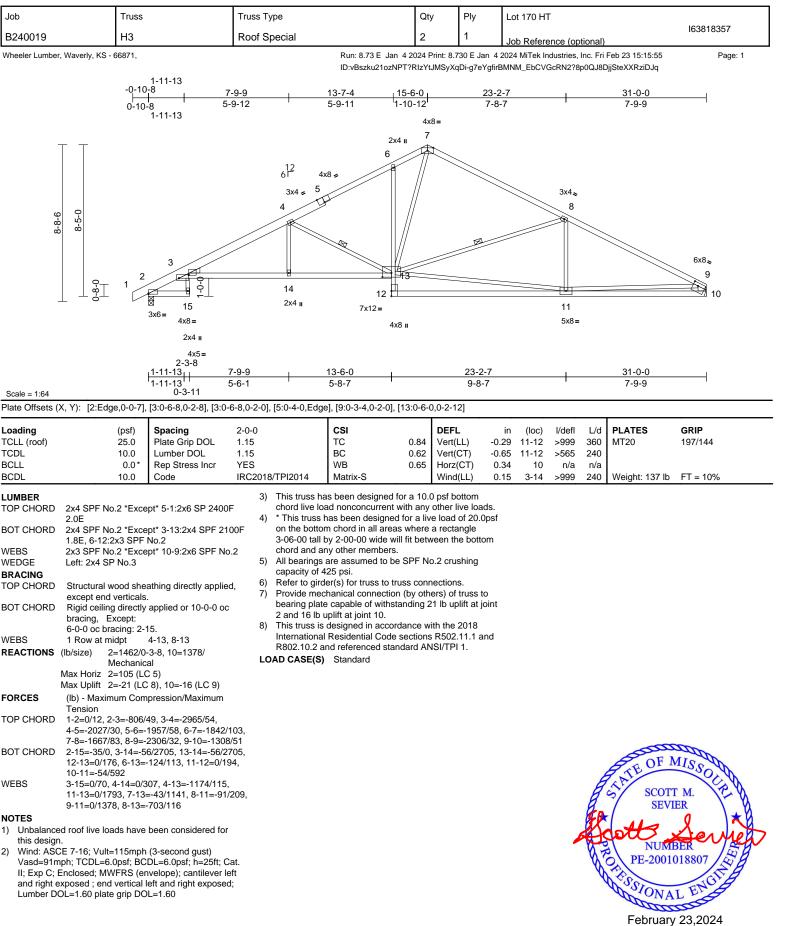
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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual 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 toulsable 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)

Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	H3	Roof Special	2	1	Job Reference (optional)	163818357

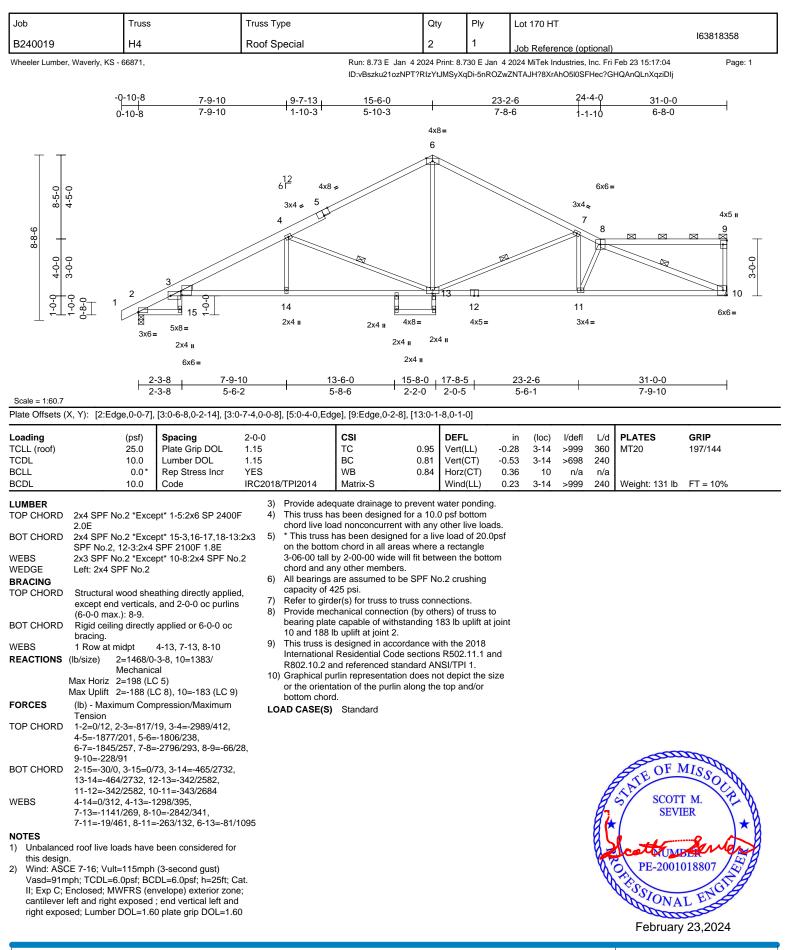
1)

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 and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponent.com)





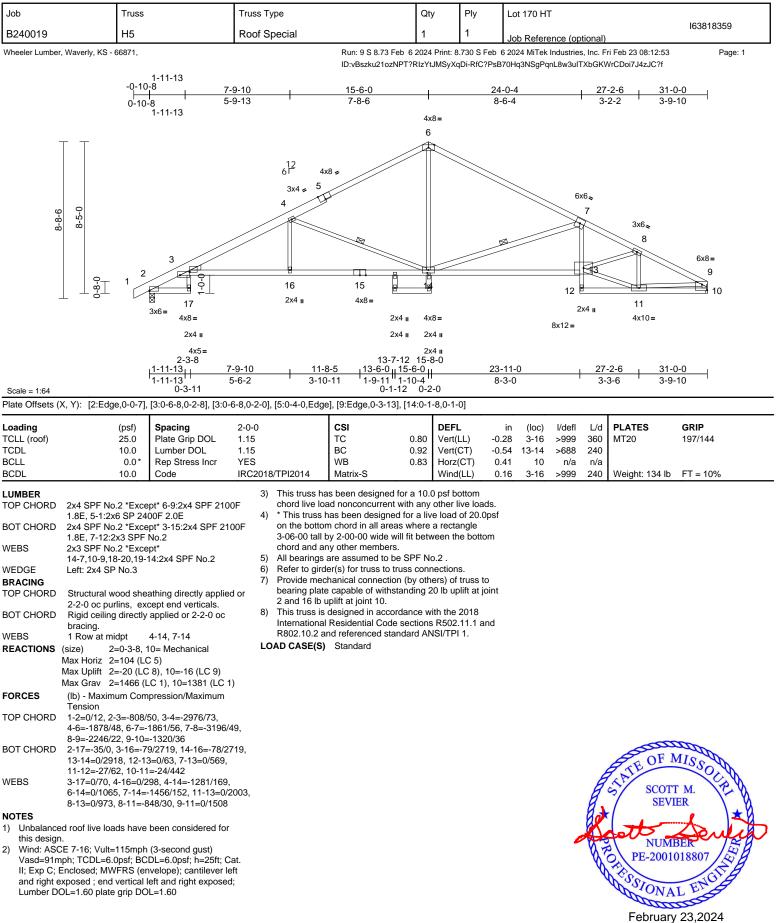
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	H5	Roof Special	1	1	Job Reference (optional)	163818359

1)

2)



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Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	H6	Common	4	1	Job Reference (optional)	163818360

Max Horiz 12=138 (LC 12)

Tension

6-8=-65/1333

FORCES

TOP CHORD

BOT CHORD

this design.

WEBS

NOTES 1)

2)

3)

Max Uplift 7=-170 (LC 9), 12=-196 (LC 8) Max Grav 7=1373 (LC 1), 12=1453 (LC 1)

(lb) - Maximum Compression/Maximum

11-12=-328/805, 10-11=-282/1934, 8-10=-168/1946, 7-8=-125/616

Unbalanced roof live loads have been considered for

Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and

right exposed; Lumber DOL=1.60 plate grip DOL=1.60

chord live load nonconcurrent with any other live loads.

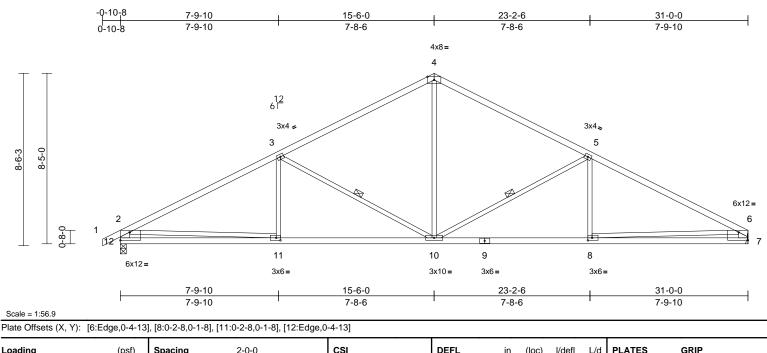
This truss has been designed for a 10.0 psf bottom

Wind: ASCE 7-16; Vult=115mph (3-second gust)

1-2=0/35, 2-3=-2280/278, 3-4=-1615/247, 4-5=-1617/247, 5-6=-2283/278, 2-12=-1378/238, 6-7=-1295/211

4-10=-55/838, 5-10=-747/260, 5-8=0/260, 3-10=-733/255, 3-11=0/266, 2-11=0/1131, Run: 9 S 8,73 Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:54 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

# Page: 1



<b>Loading</b> 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	0.84 0.63 0.54	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.12 -0.25 0.07	(loc) 8-10 8-10 7	l/defl >999 >999 n/a	L/d 360 240 n/a	<b>PLATES</b> MT20	<b>GRIP</b> 197/144
BCDL	10.0	Code	IRC2018	/TPI2014	Matrix-S		Wind(LL)	0.08	8-10	>999	240	Weight: 116 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING	2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 *Exce No.2	pt* 12-2,7-6:2x6 SPF	4) 5) 6)	on the botton 3-06-00 tall to chord and an All bearings a	has been design in chord in all are by 2-00-00 wide by other member are assumed to er(s) for truss to	eas where will fit betw rs. be SPF No	a rectangle veen the bott 0.2 .	•					
TOP CHORD	Structural wood she	athing directly applied	i, 7)	Provide mec	hanical connecti	on (by oth	ers) of truss						
BOT CHORD WEBS <b>REACTIONS</b>	bracing. 1 Row at midpt	applied or 10-0-0 oc 5-10, 3-10 nical, 12=0-3-8	8)	12 and 170 ll This truss is International	e capable of with b uplift at joint 7. designed in accord Residential Coord nd referenced st	ordance wi	th the 2018 R502.11.1 a						

LOAD CASE(S) Standard

## OF MISS SCOTT M. SEVIER NUMBE PE-2001018807 SIONAL E

February 23,2024

 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 and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponent.com)



Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	H7	Common	3	1	Job Reference (optional)	163818361

8-6-3

Run: 9 S 8,73 Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:54 Page: 1 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f -0-10-8 0-10-8 31-10-8 7-9-10 15-6-0 23-2-6 31-0-0 7-9-10 7-8-6 0-10-8 7-8-6 7-9-10 4x8= 4 1<u>2</u> 6Г 3x4 👟 3x4 🖌 3 5 8-5-0 6 0-8-0 Y 8 ГЪП Ø 10 9 12 11 6x12= 6x12= 3x6= 3x10= 3x6= 3x6= 7-9-10 15-6-0 <u>23-2</u>-6 31-0-0 7-9-10 7-9-10 7-8-6 7-8-6 Scale = 1:58.3

### Plate Offsets (X, Y): [8:Edge,0-4-13], [9:0-2-8,0-1-8], [12:0-2-8,0-1-8], [13:Edge,0-4-13]

	X, 1). [0.Luge,0-4-13	j, [9.0-2-0,0-1-0], [12	2.0-2-0,0-1-0]	, [13.Luge,0	-4-10]								
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		тс	0.81	Vert(LL)	-0.11	9-11	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.62	Vert(CT)	-0.24	9-11	>999	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.53	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/T	PI2014	Matrix-S		Wind(LL)	0.07	11-12	>999	240	Weight: 117 lb	FT = 10%
LUMBER TOP CHORD	2x4 SPF No.2				as been designe n chord in all are			0psf					
BOT CHORD	2x4 SPF No.2				y 2-00-00 wide v			om					
WEBS	2x3 SPF No.2 *Exce No.2	pt* 13-2,8-6:2x6 SP			y other member are assumed to b		o.2 .						
BRACING					hanical connection								
TOP CHORD	Structural wood she except end verticals		1	13 and 196 ll	capable of with puplift at joint 8.	•	•	t joint					
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 or	, í	nternational	designed in acco Residential Cod	e sections	R502.11.1 a	and					
WEBS		5-11, 3-11			nd referenced sta	andard AN	ISI/TPI 1.						
REACTIONS	(size) 8=0-3-8, 1	13=0-3-8	LOA	D CASE(S)	Standard								
	Max Horiz 13=-128 (	LC 9)											
	Max Uplift 8=-196 (L	C 9), 13=-196 (LC 8	)										
	Max Grav 8=1452 (L	_C 1), 13=1452 (LC	1)										
FORCES	(lb) - Maximum Com	pression/Maximum											
	Tension												
TOP CHORD	1-2=0/35, 2-3=-2277												
	4-5=-1612/246, 5-6= 2-13=-1376/238, 6-8	,	р,										
BOT CHORD	12-13=-319/806, 11-												
DOT ONORD	9-11=-144/1931, 8-9	,											
WEBS	4-11=-52/829, 5-11=		6,										
	3-11=-733/255, 3-12	,	,									COLOR	alle
	6-9=-8/1127											OF N	AIS C
NOTES											1	THE OF M	N.O.
1) Unbalance	ed roof live loads have	been considered for	r								B	S SCOT	M NON
this design											8	SEVI	
	CE 7-16; Vult=115mph										8-		
	nph; TCDL=6.0psf; BC										10	1	
	Enclosed; MWFRS (er left and right exposed										8	aas .	
	rent and right exposed										43	COLON	Runna

right exposed; 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.

DEVELORMENT SERVICES

February 23,2024

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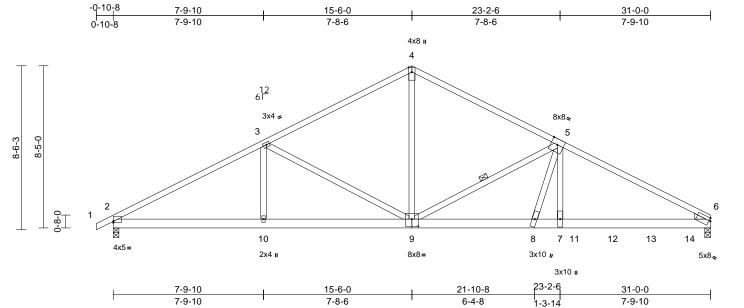
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Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	H8	Common Girder	1	2	Job Reference (optional)	163818362

Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:54 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:59.8

Plate Offsets (X, Y): [2:Edge,0-0-13], [6:Edge,0-1-14], [9:0-4-0,0-4-8]

			-		· · · ·		· · · · ·							
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.93	Vert(LL)	-0.17	6-7	>999	360	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15		BC	0.69	Vert(CT)	-0.30	6-7	>999	240	_		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.83		0.07	6	n/a	n/a			
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S		Wind(LL)	0.12	6-7	>999	240	Weight: 311 lb	FT = 10%	
-												Ű		
LUMBER			3)		roof live loads hav	/e been	considered fo	or						
TOP CHORE	D 2x4 SPF No.2 *Exce	ept* 4-6:2x4 SPF 240		this design.										
	2.0E		4)		7-16; Vult=115mp			_						
BOT CHORE					n; TCDL=6.0psf; B									
WEBS	2x4 SPF No.2				closed; MWFRS (									
WEDGE	Right: 2x4 SP No.3			cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60										
BRACING			5)	5) This truss has been designed for a 10.0 psf bottom										
TOP CHORE		athing directly applie	a,		ad nonconcurrent			ade						
BOT CHORI	0 0 ,	applied or 10-0-0 oc	6)		has been designed									
WEBS	bracing. 1 Row at midpt	5.0	0,		n chord in all area									
		5-9			y 2-00-00 wide wi			om						
REACTIONS	( )		chord and any other members.											
	Max Horiz 2=147 (Lo		7)	7) All bearings are assumed to be SP 2400F 2.0E .										
	Max Uplift 2=-397 (L		8)		hanical connectior									
	Max Grav 2=2760 (I				e capable of withst	anding 8	319 lb uplift a	t joint						
FORCES	(Ib) - Maximum Com	pression/Maximum		6 and 397 lb uplift at joint 2. 9) This truss is designed in accordance with the 2018										
TOP CHORI	Tension D 1-2=0/11, 2-3=-510 <sup>2</sup>	1/702 2 4 4466/694	9)		Residential Code									
TOF CHORE	4-5=-4467/683, 5-6=		,		nd referenced star			and						
BOT CHORI			1(		other connection									
201 011010	7-8=-1141/8446, 6-7				ficient to support c			3502						
WEBS	4-9=-446/3385, 5-9=				556 lb up at 21-1									
	5-7=-320/2880, 3-9=	-599/363, 3-10=0/30	)6,		1-4, 535 lb down							~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
	5-8=-345/2115			and 535 lb d	own and 73 lb up	at 27-11	-4, and 536	lb				A	and the	
NOTES					b lb up at 29-11-4							B.F. OF I	AISSO	
1) 2-ply tru	ss to be connected toge	ther with 10d			tion of such conne	ection de	vice(s) is the				6	TATE OF A	A SOL	
	3") nails as follows:			responsibility							B	SCOT	N N N	
	rds connected as follows	s: 2x4 - 2 rows	L	OAD CASE(S)							B	SEVI		
	ed at 0-9-0 oc.		1)		of Live (balanced):	: Lumbe	Increase=1.	15,			8.			
	chords connected as foll	ows: 2x6 - 2 rows		Plate Increa							20		0 124	
	ed at 0-3-0 oc.		Uniform Loads (Ib/ft)							· And a start				
	nected as follows: 2x4				=-70, 4-6=-70, 2-6	5=-20				-	N	NUM	DER AN	
	are considered equally noted as front (F) or ba		<b>۸</b> D		ed Loads (lb)	(=) (=		505			NS	PE-2001	018807	
	) section. Ply to ply con				3502 (F), 11=-535	o (⊢), 12=	=-535 (F), 13=	=-535			N		12 A	
	to distribute only loads		(F), 14=-	550 (F)						۲	C'SSIONA	NO'H		
	therwise indicated.										ONA	LEFA		
												<b>UNA</b>	The second	

and February 23,2024

DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 03/22/2024 12:48:47

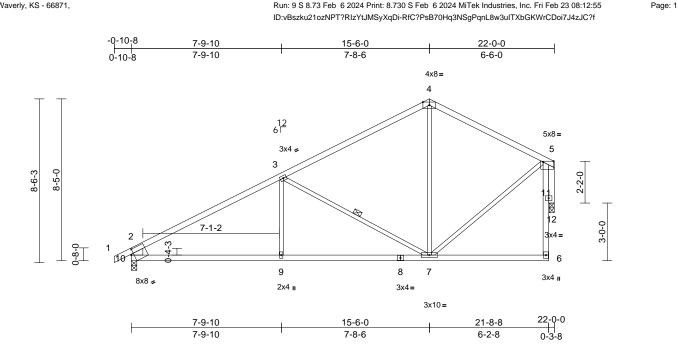
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Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	Н9	Common	6	1	Job Reference (optional)	163818363

Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:55

Wheeler Lumber, Waverly, KS - 66871,



### Plate Offsets (X, Y): [5:0-6-8,0-0-8], [10:0-1-10,0-3-4]

Scale = 1:59.9

	lets (X, T): [5:5 5 5;5 5 6];												
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roo		Plate Grip DOL	1.15		TC	0.88	Vert(LL)	-0.09	7-9	>999	360	MT20	197/144
TCDL BCLL	10.0 0.0*	Lumber DOL Rep Stress Incr	1.15 YES		BC WB	0.57 0.53	Vert(CT) Horz(CT)	-0.20 0.09	7-9 12	>999	240		
BCDL	10.0	Code	IRC2018/		Matrix-S	0.55	Wind(LL)	0.09	7-9	n/a >999	n/a 240	Weight: 86 lb	FT = 10%
BCDL	10.0	Code	1KC2010/	1F12014	Watrix-S		WIND(LL)	0.04	7-9	2999	240	Weight. 60 lb	F I = 10 / 6
LUMBER			5)	All bearings	are assumed to be	e SPF N	o.2 .						
TOP CHC	RD 2x4 SPF No.2				int(s) 12 consider			ie					
BOT CHC	ORD 2x4 SPF No.2				FPI 1 angle to grai								
WEBS	2x3 SPF No.2 *Exce				uld verify capacity								
	10-2:2x8 SP 2400F	2.0E			hanical connection								
OTHERS	2x4 SPF No.2				e capable of withst b uplift at joint 12.		56 ID UPIIIT at	t joint					
BRACING			0)		designed in accor		ith the 2018						
TOP CHC					Residential Code			and					
вот сно	2-2-0 oc purlins, ex				nd referenced star								
BOLCHC	DRD Rigid ceiling directly bracing.	applied or 10-0-0 o		AD CASE(S)									
WEBS	1 Row at midpt	3-7											
		12=0-3-2											
NLACIIC	Max Horiz 10=223 (I												
	Max Uplift 10=-156 (		8)										
	Max Grav 10=1055												
FORCES	(lb) - Maximum Corr		,										
TOROLO	Tension	ipression/maximum											
ТОР СНО		3/195. 3-4=-765/129											
	4-5=-723/160, 6-11=												
	2-10=-965/200												
BOT CHC	ORD 9-10=-269/1194, 7-9	9=-269/1194, 6-7=-4	6/83										
WEBS	4-7=0/242, 5-7=-94/	635, 3-7=-733/262,											and the second sec
	3-9=0/302, 5-12=-95	54/124										O TE	All and a second
NOTES												ALE OF 1	MISSO
,	lanced roof live loads have	been considered fo	r								6		N.S.
this d											A	SCOT	TM. CON
	ASCE 7-16; Vult=115mph		_								A	SEV.	
	=91mph; TCDL=6.0psf; BC									•	8 +		
	C; Enclosed; MWFRS (er											T at	· la alt
	ever left and right exposed exposed; Lumber DOL=1.6										49	how.	- wiew
	russ has been designed fo		60							•	1	NUM	
	live load nonconcurrent wi		ds								N	ON PE-2001	018807
	truss has been designed f	,									Ø	15	1SA
	e bottom chord in all areas											1. Ser-	NO'B
	00 tall by 2-00-00 wide will		om									ESSIONA	LELA
	and any other members.											CONA	TOO

on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

> DEVELOPMENT SERVICES LEE'S'SUMMIT'S MISSOURI 03/22/2024 12:48:47

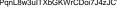
TION IEW

February 23,2024

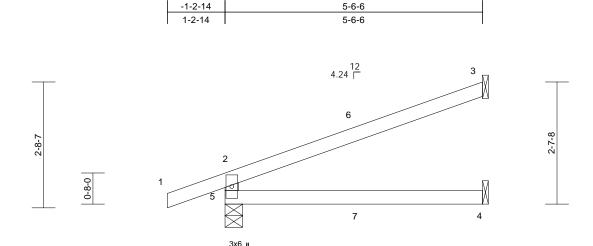
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	J1	Diagonal Hip Girder	2	1	Job Reference (optional)	163818364

### Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:55 ID:YsOUNzphuXNGFYh7BjxGp5ziJsK-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1



5-6-6

Scale	_	1.24	7	

Scale = 1:24.7														
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	0.49	Vert(LL)	-0.04	4-5	>999	360	MT20	197/144
TCDL		10.0	Lumber DOL	1.15		BC	0.29	Vert(CT)	-0.08	4-5	>783	240		
BCLL		0.0*	Rep Stress Incr	NO		WB	0.00	Horz(CT)	0.02	3	n/a	n/a		
BCDL		10.0	Code	IRC2	018/TPI2014	Matrix-R		Wind(LL)	0.03	4-5	>999	240	Weight: 15 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF 2x4 SPF Structura 5-6-6 oc Rigid ceil bracing. (size) Max Horiz Max Uplift	No.2 No.2 I wood she purlins, ex ing directly 3= Mecha 5=0-4-9 5=96 (LC 3=-77 (LC	athing directly applied cept end verticals. applied or 10-0-0 oc inical, 4= Mechanical, 4) 5 8), 5=-91 (LC 4) C 1), 4=100 (LC 3), 5=:		<ul> <li>provided suf down and 36 up at 2-9-8, and 3 chord. The (s) is the res</li> <li>9) In the LOAD of the truss a</li> <li>LOAD CASE(S)</li> <li>1) Dead + Ro Plate Incre Uniform Lo Vert: 1-2</li> </ul>	of Live (baland ase=1.15 ads (lb/ft) 2=-70, 2-3=-70	ort concentra 8, and 69 lb and 3 lb dow 2 lb up at 2-5 on of such co others. tion, loads a ont (F) or ba	ated load(s) 6 down and 36 in and 2 lb up 9-8 on botton ponnection dev pplied to the ck (B).	ib b at n vice face					
FORCES	(lb) - Max	(LC 1) (imum Com	pression/Maximum			ed Loads (lb) 3 (F=2, B=2)								
	Tension													
TOP CHORD	2-5=-306	/137, 1-2=0	)/32, 2-3=-92/42											
BOT CHORD	4-5=0/0													

### NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
   \* This truss has been designed for a live load of 20.0psf
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 91 lb uplift at joint 5 and 77 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.

PE-2001018807 February 23,2024



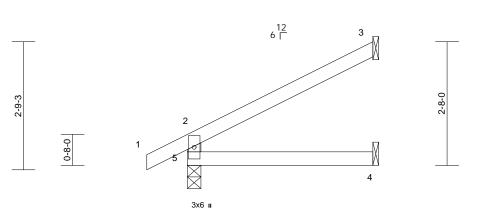
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	J2	Jack-Open	5	1	Job Reference (optional)	163818365

### Run: 9 S 8,73 Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:55 ID:YnHn5j?1veow56V2CRjJ3lziJtO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







Scale = 1:24.8					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	0.20	Vert(LL)	-0.01	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.02	4-5	>999	240		
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		Wind(LL)	0.01	4-5	>999	240	Weight: 11 lb	FT = 10%

BOLL	0.0	Rep Siless Inci	163	VVD	0.00	11012(01)	0.01	3	n/a
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.01	4-5	>999
LUMBER			LOAD CASE(S)	Standard					
TOP CHORD	2x4 SPF No.2								
BOT CHORD	2x4 SPF No.2								
WEBS	2x4 SPF No.2								
BRACING									
TOP CHORD	Structural wood she 4-0-0 oc purlins, exe		ed or						
BOT CHORD	Rigid ceiling directly bracing.		с						
REACTIONS	(size) 3= Mecha 5=0-3-8	nical, 4= Mechanica	al,						
	Max Horiz 5=89 (LC	8)							
	Max Uplift 3=-66 (LC								
	Max Grav 3=116 (LC (LC 1)	C 1), 4=71 (LC 3), 5	=252						
FORCES	(lb) - Maximum Com	pression/Maximum							
	Tension	22 2 2 75/40							
TOP CHORD BOT CHORD	2-5=-221/67, 1-2=0/3 4-5=0/0	32, 2-3=-75/40							
	4-5=0/0								
NOTES	CE 7-16; Vult=115mph	(2 second quist)							
	nph; TCDL=6.0psf; BC		Cat						
	Enclosed; MWFRS (er								
	left and right exposed								
	sed; Lumber DOL=1.6		60						
	has been designed for								
	load nonconcurrent wi								
	s has been designed f tom chord in all areas		Jpst						
	all by 2-00-00 wide will		m						
	any other members.	in between the boll							
	gs are assumed to be S	SPF No.2 .							4
5) Refer to g	irder(s) for truss to tru	ss connections.							
	echanical connection (								
	ate capable of withstar	nding 30 lb uplift at j	oint						
	b uplift at joint 3.	noo with the 2010							
	is designed in accordanal Residential Code se		nd						
	and referenced stand		inu						
1002.10.2									



240 Weight: 11 lb

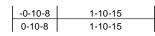
FT = 10%

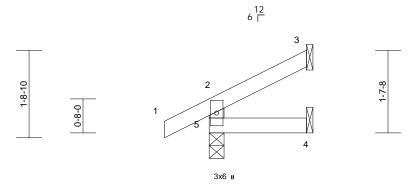
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Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	J3	Jack-Open	4	1	Job Reference (optional)	163818366

Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:55 ID:?iJjkFo?gjnBAeG\_G4RZQNziJte-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:22.6												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 6 lb	FT = 10%

1-10-15

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	AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFOR



Page: 1

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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)



Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	LAY1	Lay-In Gable	1	1	Job Reference (optional)	163818367

3-10-12

3-10-12

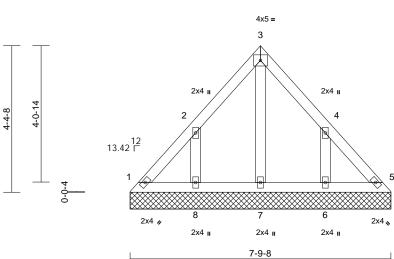
Wheeler Lumber, Waverly, KS - 66871,

### Run: 9 S 8,73 Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:55 ID:ipLE8EJHK7d0ILe5MzByFkziJuH-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

7-6-7



7-9-8 3-7-11



Scale = 1:34.4

			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	0.06	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL		10.0	Lumber DOL	1.15		BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL		0.0*	Rep Stress Incr	YES		WB	0.03	Horiz(TL)	0.00	5	n/a	n/a		
BCDL		10.0	Code	IRC2	018/TPI2014	Matrix-P							Weight: 29 lb	FT = 10%
LUMBER					6) This truss h	as been designed	d for a 10.0	) psf bottom						
TOP CHORD	2x4 SPF N	lo.2			chord live lo	ad nonconcurren	nt with any	other live loa	ids.					
BOT CHORD	2x4 SPF N	lo.2			7) * This truss	has been designe	ed for a liv	e load of 20.0	Opsf					
OTHERS	2x4 SPF N	lo.2				m chord in all are								
BRACING						by 2-00-00 wide		veen the botto	om					
TOP CHORD	Structural 6-0-0 oc p		athing directly appli	ed or	<ol> <li>All bearings</li> </ol>	ny other member are assumed to	be SPF No							
BOT CHORD			applied or 10-0-0 o	C	bearing plat	chanical connecti e capable of with	standing 2	5 lb uplift at j	oint					
REACTIONS		1=7-9-8, 5 8=7-9-8	5=7-9-8, 6=7-9-8, 7=	=7-9-8,	1, 8 lb uplift uplift at joint	at joint 5, 153 lb 6.	uplift at joi	nt 8 and 153	lb					
	Max Horiz		C 1)		10) This truss is	designed in acco	ordance w	ith the 2018						
			C 4) C 4), 5=-8 (LC 5), 6=	150	Internationa	I Residential Cod	le sections	R502.11.1 a	nd					
			-153 (LC 8)	-155	R802.10.2 a	ind referenced sta	andard AN	ISI/TPI 1.						
			C 16), 5=92 (LC 18)		LOAD CASE(S)	Standard								
		```	C 16), 7=119 (LC 18	,										
		8=228 (LC		-),										
FORCES	(lb) - Maxii	mum Com	pression/Maximum											
	Tension		-											
TOP CHORD	1-2=-120/9	91, 2-3=-9	8/79, 3-4=-89/64,											
	4-5=-105/6	68												
BOT CHORD	1-8=-45/94	4, 7-8=-45	/94, 6-7=-45/94,											
	5-6=-45/94													
WEBS	2-8=-188/1	77, 3-7=-	81/1, 4-6=-188/177											

### NOTES

- 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=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss 3) only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Gable requires continuous bottom chord bearing. 5) Gable studs spaced at 0-0-0 oc.





DEVELORMENT SERVICES LEE'S'SUMMIT'SMISSOURI 03/22/2024 12:48:47

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Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	R1	Flat Girder	1	2	Job Reference (optional)	163818368

Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:56 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

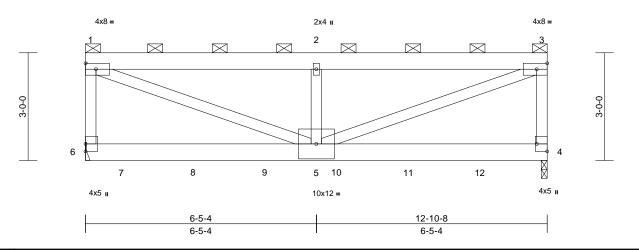


Page: 1

AS NOTED

PLANS REVIEW

DEVERSION SERVICES LEE'S'SUMMIT'SMISSOURI 03/22/2024 12:48:47



### Scale = 1:32.1

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

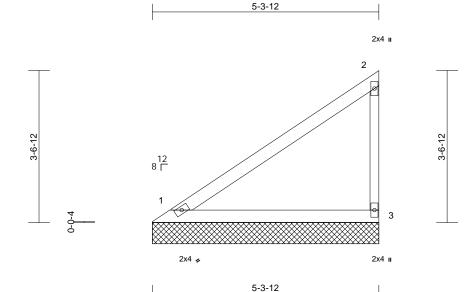
Max Horiz         6=-97 (LC           Max Uplift         4=-489 (LC           Max Grav         4=3137 (LC           FORCES         (lb) - Maximum Comp           TOP CHORD         1-6=-2177/384, 1-2=-           2-3=-4969/758, 3-4=-         5-6=-103/235, 4-5=-5	0 max.): 1-3, except applied or 10-0-0 oc = Mechanical 4) C 5), 6=-544 (LC 4) C 1), 6=3522 (LC 1) pression/Maximum -4969/758, -2181/385	<ul> <li>5</li> <li>5</li> <li>5</li> <li>C2018/TPI2014</li> <li>5) This truss ha chord live lo.</li> <li>6) * This truss lo on the bottor 3-06-00 tall lichord and at</li> <li>7) Bearings are SP 2400F 2.</li> <li>8) Refer to gird</li> <li>9) Provide mec bearing plate</li> <li>10) Provide mec bearing plate</li> <li>10) Provide mec bearing plate</li> <li>11) This truss is International R802.10.2 at</li> <li>12) Graphical pu or the orient bottom chord</li> </ul>	BC MB Matrix-S as been designed for a ad nonconcurrent with has been designed for m chord in all areas w by 2-00-00 wide will finy other members. a assumed to be: Join .0E . ler(s) for truss to truss thanical connection (be e capable of withstand o uplift at joint 4. designed in accordar I Residential Code seen and referenced standa urlin representation do ation of the purlin alor	0.43 0.42 0.63 a 10.0 h any o r a live where a it betwee t 6 SPF s conne by other ding 54 hnce with ctions F ard ANS bes not ing the t	ther live loa load of 20.0 rectangle seen the botto F No.2 , Joir ections. rs) of truss t rs) of truss t 4 lb uplift at h the 2018 R502.11.1 a SI/TPI 1. depict the s top and/or	Dpsf om nt 4 o joint nd	(loc) 5-6 5-6 4 5-6	I/defl >999 >942 n/a >999	L/d 360 240 240	PLATES MT20 Weight: 150 lb	<b>GRIP</b> 197/144 FT = 10%
<ul> <li>oc, 2x6 - 2 rows staggered at 0-9- Bottom chords connected as follo staggered at 0-9-0 oc.</li> <li>Web connected as follows: 2x4</li> <li>2) All loads are considered equally a except if noted as front (F) or back CASE(S) section. Ply to ply conne provided to distribute only loads n unless otherwise indicated.</li> <li>3) Wind: ASCE 7-16; Vult=115mph ( Vasd=91mph; TCDL=6.0psf; BCD II; Exp C; Enclosed; MWFRS (env cantilever left and right exposed ; right exposed; Lumber DOL=1.60</li> <li>4) Provide adequate drainage to pre</li> </ul>	ws: 2x6 - 2 rows 1 row at 0-9-0 oc. applied to all plies, k (B) face in the LOAD ections have been noted as (F) or (B), (3-second gust) DL=6.0psf; h=25ft; Cat. velope) exterior zone; end vertical left and plate grip DOL=1.60	lb up at 9-0- on bottom cl connection of LOAD CASE(S) 1) Dead + Ro Plate Incre- Uniform Lo Vert: 1-3 Concentrat	of Live (balanced): Lu ase=1.15	and 134 ection o nsibility umber li	l lb up at 11 of such of others. ncrease=1.7	-0-0 15,				PE-20010 February	ER 1 M. ER 1 EN 1 EN
WARNING - Verify design paramete Design valid for use only with MiTek® o a truss system. Before use, the building	connectors. This design is base	d only upon parameters	shown, and is for an individ	lual buildi	ing component	, not				RELEASE	

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Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	V1	Valley	1	1	Job Reference (optional)	163818369

Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:56 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

. uge



Scale = 1:27

Loading       (pst)       Spacing       2-0-0       CSI       04       DEFL       in       (loc)       I/deft       Lub         TCLL       0.00       25.0       11.15       TC       0.44       Vert(LL)       n/a       99       MT20       197/144         GDL       0.00       Rep Stress Incr       YES       WB       0.00       3       n/a       n/a       99         BCL       0.00       2x4 SPF No.2       (Marx.P       WB       0.00       3       n/a       N/a <th>Scale = 1:27</th> <th></th>	Scale = 1:27												
TOP CHORD       2x4 SPF No.2       International Residential Code sections R502.11.1 and Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.         BOT CHORD       2x4 SPF No.2       LOAD CASE(S) Standard         BRACING       TOP CHORD       Structural wood sheathing directly applied or 5-42 oc purlins, except end verticals.         BOT CHORD       Rigid ceiling directly applied or 5-42 oc purlins, except end verticals.         BOT CHORD       Rigid ceiling directly applied or 10-0-0 oc bracing.         REACTIONS       (size)       1=5-3-12, 3=5-3-12         Max Horiz       1=126 (LC 5)         Max Uplift       1=126 (LC 5)         Max Korz       1=2162 (LC 5)         Max Wording       1=2-18/96, 2-3a-182/91         BOT CHORD       1-2a-118/96, 2-3a-182/91         BOT CHORD       1-3a-45/34         NOTES       1         1) Wind: ASCE 7-16; Vult=115mph (3-second gust)       Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat.         1i, Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; or vind locads in the plane of the truss on; see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.         3) Gable requires continuous botom chord bearing.       Scottr M.         4) Gable studs spaced at 4-0-0 oc.       Scottr M.	TCLL (roof) TCDL BCLL	25.0 10.0 0.0*	Plate Grip DOL Lumber DOL Rep Stress Incr	1.15 1.15 YES	TC BC WB	0.23	Vert(LL) Vert(TL)	n/a n/a	-	n/a n/a	999 999	MT20	197/144
<ul> <li>chord live load nonconcurrent with any other live loads.</li> <li>* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.</li> <li>All bearings are assumed to be SPF No.2.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1 and 62 lb uplift at joint 3.</li> </ul>	LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD NOTES 1) Wind: ASC Vasd=91m II; Exp C; E cantilever IL right expos 2) Truss desi only. For s see Standa or consult C 3) Gable requ 4) Gable stud: 5) This truss f chord live IL 6) * This truss on the botto 3-06-00 tall chord and a 7) All bearing 8) Provide me bearing pla	2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 Structural wood she 5-4-2 oc purlins, exx Rigid ceiling directly bracing. (size) 1=5-3-12 Max Horiz 1=126 (LI Max Uplift 1=-18 (LC Max Grav 1=214 (LI (Ib) - Maximum Com Tension 1-2=-118/96, 2-3=-1 1-3=-45/34 E 7-16; Vult=115mpf ph; TCDL=6.0psf; BC Enclosed; MWFRS (er eft and right exposed sed; Lumber DOL=1.6 igned for wind loads i studs exposed to wind ard Industry Gable En qualified building desi itres continuous botto is spaced at 4-0-0 oc. has been designed fo oad nonconcurrent w s has been designed fo ood nonconcurrent w s has been designed to be com chord in all areas I by 2-00-00 wide will any other members. s are assumed to be echanical connection the capable of withsta	eathing directly applied cept end verticals. r applied or 10-0-0 or , 3=5-3-12 C 5) C 8), 3=-62 (LC 8) C 1), 3=230 (LC 15) pression/Maximum 82/91 a (3-second gust) DL=6.0psf; h=25f; ( nvelope) exterior zor ; end vertical left an i0 plate grip DOL=1.0 n the plane of the tru d (normal to the face) d Details as applicat gner as per ANSI/TF m chord bearing. r a 10.0 psf bottom ith any other live load for a live load of 20.0 where a rectangle fit between the botto SPF No.2. (by others) of truss to	9) This truss i Internation R802,10.2 LOAD CASE(S ed or c Cat. ne; id 60 Jss ), ble, PI 1. ids. Opsf om	s designed in accor al Residential Code and referenced sta	sections	s R502.11.1 a	and				STATE OF J STATE OF J SCOT SEV NUM PE-2001	MISSOLD T.M. ER 018807

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Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	V2	Valley	1	1	Job Reference (optional)	163818370

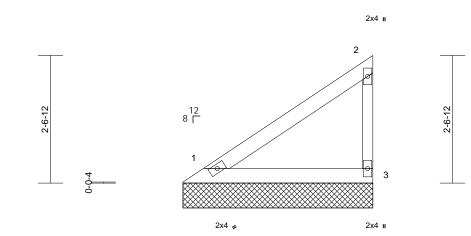
3-9-12

3-9-12

Wheeler Lumber, Waverly, KS - 66871,

Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:56 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:23.1

BCLL     0.0*     Rep Stress Incr     YES     WB     0.00     Hortz(TL)     0.00     3     n/a     n/a       BCDL     10.0     Code     IRC2018/TPI2014     Matrix-P     Matrix-P     Weight: 11 Ib       LUMBER     50     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.     Weight: 11 Ib       BCDE     2x4 SPF No.2     International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.       BCAING     TOP CHORD     Structural wood sheathing directly applied or 3-10-2 cc purlins, except end verticals.     Standard       BOT CHORD     Rigid celling directly applied or 3-10-2 cc purlins, except end verticals.     Standard       BOT CHORD     Rigid celling directly applied or 3-10-2 cc purlins, except end verticals.     Standard       BOT CHORD     Rigid celling directly applied or 3-10-2 cc purlins, except end verticals.     Standard       BOT CHORD     1=3-9-12 Max Upilt 1=-12 (LC 8), 3=-42 (LC 8) Max Grav 1=147 (LC 1), 3=157 (LC 15)     Max Grav 1=147 (LC 1), 3=157 (LC 15)       FORCES     10) - Maximum Compression/Maximum Tension     Tuss designed for wind loads in the plane of the truss only. For stude seposed; to writical left and right exposed; Lumber DOL=1.60 pist gravetical left and right exposed; Lumber DOL=1.60 pist gravetical left and right exposed; Lumber DOL=1.60 pist gravetical left and right exposed; Lumber DOL=1.60 pist bottom onch vertily uellified buildin	<b>GRIP</b> 197/144
BCDL     10.0     Code     IRC2018/TPI2014     Matrix-P     Weight: 11 lb       LUMBER TOP CHORD     2x4 SPF No.2     9)     This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R800E starts     9)     This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANS//TPI 1.       WEBS     2x3 SPF No.2     LOAD CASE(S)     Standard       BRACING TOP CHORD     Structural wood sheathing directly applied or 3-10-2 oc purins, except end verticals.     Standard       BOT CHORD     Rigid ceiling directly applied or 3-10-2 oc purins, except end verticals.     Standard       BOT CHORD Structural wood sheathing directly applied or 3-10-2 oc purins, except end verticals.     Standard       BOT CHORD Ising directly applied or 10-0-0 oc bracing.     1-3-9-12, 3-3-9-12 Max Horiz 1-86 (LC 6) Max Upit 1-1-12 (LC 8), 3-42 (LC 8) Max Grav 1-187 (LC 1), 3-167 (LC 15)       FORCES     (b) - Maximum Compression/Maximum Tension     1-2-8-81/66, 2-3=-125/62       BOT CHORD 1-3=-31/23     NOTES       NOTES     1)     Vasd-91 mph; TCDL=6.0pst; BCDL=6.0pst; bcl=1.60       1)     Trus designed for wind loads in the plane of the trus only. For stude seposed 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)     Gable stude spaced at 4-0-0	
TOP CHORD 2x4 SPF No.2 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. MEES 2x3 SPF No.2 LOAD CASE(S) Standard BRACING TOP CHORD Structural wood sheathing directly applied or 3-10-2 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 1=3-9-12, 3=3-9-12 Max Horiz 1=86 (LC 5) Max Optim 1=1-2 (LC 8), 3=-42 (LC 8) Max Grav 1=147 (LC 1), 3=157 (LC 15) FORCES (b)- Maximum Compression/Maximum Tension TOP CHORD 1-2=-81/66, 2-3=-125/62 BOT CHORD 1-3=-31/23 NOTES 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph, TCDL=6.0psf; B2CDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 left grip DOL=1.60 2) Truss designed for wind loads in the plane of the truss only. For stude seposed to rund not be farce), or consult qualified building designer as per ANSI/TP1 1. 3) Gable requires continuous bottom chord bearing. 4) Gable stude spaced at 4-0-0 cc. 5) This truss has been designed for a 10.0 pf bottom chord live led an oncourrent with any other live loads.	FT = 10%
<ul> <li>on the bottom chord in all areas where a rectangle</li> <li>3-06-00 tall by 2-00-00 wide will fit between the bottom</li> <li>chord and any other members.</li> <li>7) All bearings are assumed to be SPF No.2.</li> <li>8) Provide mechanical connection (by others) of truss to</li> <li>bearing plate capable of withstanding 12 lb uplift at joint</li> <li>1 and 42 lb uplift at joint 3.</li> </ul>	MISSOLUT MISSOLUT TT M. TIER 1018807

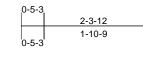
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



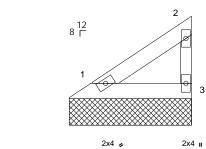
Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	V3	Valley	1	1	Job Reference (optional)	163818371

Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:56 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



2x4 🛚



1-6-12

2-3-12

Scale - 1.21 0

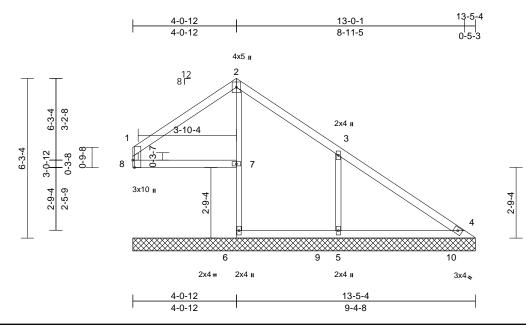
Scale = 1:21.8												
<b>Loading</b> TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-P	0.05 0.03 0.00	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 6 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD BRACING TOP CHORD BOT CHORD REACTIONS (s M M FORCES	2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 Structural wood shea 2-4-2 oc purlins, exx Rigid ceiling directly bracing.	athing directly applie cept end verticals. applied or 10-0-0 or 3=2-3-12 5) 8), 3=-23 (LC 8) 1), 3=85 (LC 15) pression/Maximum	9) This truss is Internationa R802.10.2 a LOAD CASE(S) ed or	designed in accord I Residential Code and referenced stan	sections	R502.11.1 a	and				vveignt: 6 ib	FT = 10%
NOTES 1) Wind: ASCE Vasd=91mpj II; Exp C; En cantilever let right expose 2) Truss desig only. For stt see Standar or consult qu 3) Gable requir 4) Gable studs 5) This truss ha chord live los 6) * This truss ha on the bottor 3-06-00 tall li chord and ar 7) All bearings 8) Provide mec	1-3=-17/13 7-16; Vult=115mph h; TCDL=6.0psf; BCI closed; MWFRS (en ft and right exposed d; Lumber DOL=1.60 ned for wind loads in uds exposed to wind d Industry Gable Enc aulified building desig res continuous bottor spaced at 4-0-0 oc. as been designed for ad nonconcurrent wind has been designed for m chord in all areas to by 2-00-00 wide will if ny other members. are assumed to be S chanical connection ( e capable of withstar lift at joint 3.	DL=6.0psf; h=25ft; C ivelope) exterior zor ; end vertical left an 0 plate grip DOL=1.6 the plane of the tru (normal to the face) d Details as applicat gner as per ANSI/TF n chord bearing. a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle fit between the bottoc SPF No.2. by others) of truss to	ne; d 30 siss ble, pel 1. ds. opsf om							* *	PE-2007 Februar	T M. TER 1018807

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Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	V4	Valley	1	1	Job Reference (optional)	163818372

### Run: 9 S 8,73 Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:57 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:45.2

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

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		тс	0.32	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.19	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.11	Horiz(TL)	0.02	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/T	PI2014	Matrix-S					-		Weight: 41 lb	FT = 10%
LUMBER TOP CHORI BOT CHORI WEBS OTHERS BRACING TOP CHORI BOT CHORI REACTIONS	<ul> <li>D 2x4 SPF No.2 *Exce 2x3 SPF No.2 2x3 SPF No.2</li> <li>D Structural wood she 6-0-0 oc purlins, ex</li> <li>D Rigid ceiling directly bracing.</li> <li>S (size) 4=13-5-4 7=13-5-4</li> <li>Max Horiz 8=-171 (L Max Uplift 4=-64 (LC (LC 5), 8: Max Grav 4=203 (LL 6=90 (LC 8=222 (LI</li> </ul>	eathing directly applie cept end verticals. y applied or 6-0-0 oc , 5=13-5-4, 6=13-5-4 , 8=13-5-4 C 9) 2 9), 5=-191 (LC 9), 7 =-145 (LC 9) C 16), 5=615 (LC 16), 14), 7=376 (LC 18), C 16)	5) G 6) T 2 C 7) * 0 3 3 4 dor 8) A 9) B 4 9) B 4 9) B 4 9) B 4 9) B 4 9 7 7=-23 11) B 5 7=-23 12) T	Gable studs s This truss ha chord live loa This truss h This truss h on the bottom 6-06-00 tall b chord and an an All bearings a Bearing at join sing ANSI/T designer sho Provide mech bearing plate 8, 64 lb uplift uplift at joint f Beveled plate unface with 1 This truss is of	spaced at 4-0-0 oc s been designed for d nonconcurrent v as been designed n chord in all areas y 2-00-00 wide wil y other members, are assumed to be nt(s) 7 considers p PI 1 angle to grain uld verify capacity nanical connection capable of withsts at joint 4, 23 lb up	or a 10.0 vith any for a liv s where I fit betw with BC SPF Nc SPF Nc SPF Nc arallel th formula of beari (by oth anding 1 lift at joi to provi (s) 8. dance w	other live loa e load of 20.0 a rectangle ween the bottw DL = 10.0psl c.2. o grain value a. Building ng surface. ers) of truss t 45 lb uplift at nt 7 and 191 de full bearing ith the 2018	Dpsf om f. i joint Ib g					
FORCES	(lb) - Maximum Con Tension		104	R802.10.2 ar <b>D CASE(S)</b>	nd referenced stan Standard	dard AN	ISI/TPI 1.						
TOP CHORI	3-4=-84/120	·164/245, 2-3=-142/2	43,	(0)									
BOT CHORI	D 7-8=-11/36, 6-7=0/0 4-5=-5/7	, 2-7=-292/42, 5-6=-{	5/7,									Canto	alle
WEBS	3-5=-390/243											TATE OF J	MISC
NOTES											4	9.50	N'ON
,	nced roof live loads have	been considered for									B	SCOT	TM
this desi		(0									B	SEV	
	SCE 7-16; Vult=115mph		`ot								Ba		
II; Exp C cantileve right exp 3) Truss d only. Fo see Star	1mph; TCDL=6.0psf; BC 2; Enclosed; MWFRS (er er left and right exposed bosed; Lumber DOL=1.6 lesigned for wind loads i or studs exposed to winc ndard Industry Gable En ult qualified building desi	nvelope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 n the plane of the tru 1 (normal to the face) d Details as applicate	e; d S0 ss , le,								A A A A A A A A A A A A A A A A A A A	NUM PE-2001	018807 5 F
4) Gable re	equires continuous botto	m chord bearing.										CONA	THE

February 23,2024

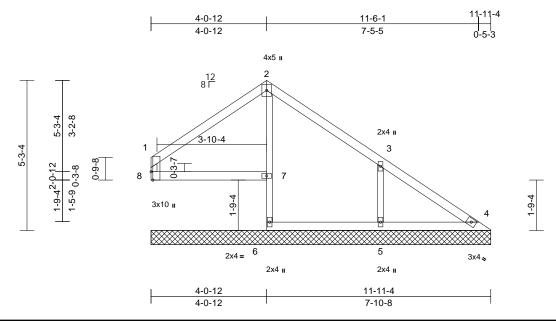
Page: 1



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Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	V5	Valley	1	1	Job Reference (optional)	163818373

### Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:57 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:40.5

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

		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	0.21	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.13	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.06	Horiz(TL)	0.02	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/	TPI2014	Matrix-S							Weight: 35 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 *Exce 2x3 SPF No.2 2x3 SPF No.2 9 Structural wood she 6-0-0 oc purlins, ex 7 Rigid ceiling directly bracing. (size) 4=11-11-4 7=11-11-4 Max Horiz 8=-131 (L Max Uplift 4=-34 (LC (LC 5), 8= Max Grav 4=120 (LC (LC 3), 7= 21)	athing directly applied cept end verticals. applied or 10-0-0 oc 4, 5=11-11-4, 6=11-1 4, 8=11-11-4 C 4) 2 9), 5=-156 (LC 9), 7 106 (LC 9) C 1), 5=-413 (LC 16), -313 (LC 15), 8=185	$\begin{array}{c} 6) \\ 2 \\ 7) \\ d \text{ or } \\ 8) \\ 9) \\ 1-4, \\ 10) \\ = -5 \\ 6=65 \\ 11) \\ (LC \\ 12) \end{array}$	This truss ha chord live loa * This truss h on the bottom 3-06-00 tall b chord and an All bearings a Bearing at joi using ANSI/T designer sho Provide mecl bearing plate 8, 34 lb uplift uplift at joint 3 Beveled plate surface with i This truss is o	spaced at 4-0-0 oc spaced at 4-0-0 oc s been designed fo d nonconcurrent w as been designed n chord in all areas y 2-00-00 wide wil y other members. up other members. re assumed to be nt(s) 7 considers p PI 1 angle to grain uld verify capacity nanical connection capable of withsta at joint 4, 5 lb uplif 5. e or shim required russ chord at joint designed in accord	or a 10.0 vith any for a liv s where I fit betv SPF Ne arallel t formula of beari (by oth anding 1 ft at join to provi (s) 8. lance w	other live loa e load of 20.0 a rectangle veen the bottu 0.2. o grain value a. Building ng surface. ers) of truss t 06 lb uplift at t 7 and 156 lt de full bearing th the 2018	Dpsf om ∵joint o g					
FORCES	(lb) - Maximum Com Tension	pression/Maximum		R802.10.2 ar AD CASE(S)	d referenced stan	dard AN	ISI/TPI 1.						
TOP CHORD	1-8=-151/123, 1-2=- 3-4=-50/79	145/189, 2-3=-118/18	30, <b>LO</b>	ND CASE(S)	Stalluaru								
BOT CHORD	7-8=-17/42, 6-7=0/0, 5-6=-10/18, 4-5=-10/											000	100
WEBS	3-5=-317/201											OF I	MISSIM
NOTES											1	TIE	-0.0 M
<ol> <li>Unbalance this desig</li> <li>Wind: AS</li> <li>Vasd=911</li> <li>II; Exp C; cantilever right expc</li> <li>Truss de only. For see Standor or consul</li> </ol>	ed roof live loads have in. iCE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Enclosed; MWFRS (er r left and right exposed osed; Lumber DOL=1.6 isigned for wind loads ir 's studs exposed to wind dard Industry Gable En- t qualified building desig quires continuous botton	(3-second gust) DL=6.0psf; h=25ft; C welope) exterior zone; end vertical left and 0 plate grip DOL=1.6 the plane of the trus (normal to the face), d Details as applicabl gner as per ANSI/TPI	e; 0 ss							ļ	8	STATE OF I SCOT SEVI NUM PE-2001	I M. HER 018807

February 23,2024



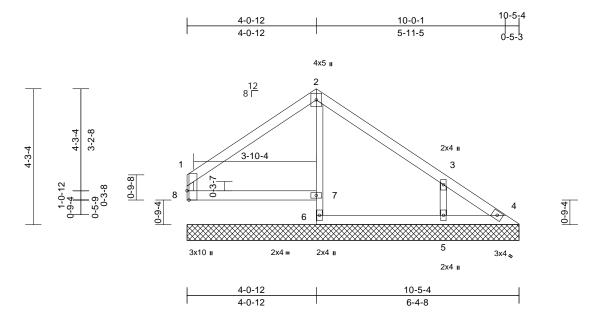
RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELORMENT: SERVICES LEE'S SUMMIT: MISSOURI 03/22/2024 12:48:47

Page: 1

Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	V6	Valley	1	1	Job Reference (optional)	163818374

### Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:57 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:36.2

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

		1	-			-					1	
Loading	(psf)	Spacing	2-0-0	CS	SI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	тс	0.:	21 Vert(L	L) n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.	3 Vert(T	L) n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	W	B 0.	5 Horiz(	TL) 0.01	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TP	PI2014 Ma	atrix-S						Weight: 30 lb	FT = 10%
LUMBER TOP CHORE BOT CHORE WEBS OTHERS BRACING TOP CHORE BOT CHORE REACTIONS	<ul> <li>2x4 SPF No.2 *Exce 2x3 SPF No.2 2x3 SPF No.2</li> <li>Structural wood she 6-0-0 oc purlins, exi</li> <li>Rigid ceiling directly bracing.</li> <li>(size) 4=10-5-4, 7=10-5-4, Max Horiz 8=-108 (L Max Uplift 4=-18 (LC (LC 8) Max Grav 4=73 (LC</li> </ul>	athing directly applie cept end verticals. applied or 10-0-0 oc 5=10-5-4, 6=10-5-4 C 4) 5 5, 5=-136 (LC 9), 8	6) Th 2 ch 2 7) * T on d or 8) All 5 us 9) Be us 6 7 10) Pr be 8, 10) Pr be 8, 11) Be 8, 11) Be 10 10 10 10 10 10 10 10 10 10	his truss has be ord live load no This truss has be the bottom ch 06-00 tall by 2- ord and any of l bearings are a baring at joint(s ing ANSI/TPI signer should to ovide mechanite aring plate cap 18 lb uplift at joint eveled plate or reface with truss is truss is desisternational Res	assumed to be SPF ) 7 considers parall l angle to grain forr verify capacity of b cal connection (by pable of withstandir pint 4 and 136 lb up shim required to pis s chord at joint(s) 8 gned in accordanc idential Code secti	ny other lin live load of re a rectar etween the No.2. el to grain nula. Builc earing suffa others) of t g 67 lb upl lift at joint ovide full b with the 2 ons R502.	re loads. f 20.0psf gle bottom value ing icce. russ to ft at joint 5. earing 018 1.1 and					
FORCES	(lb) - Maximum Com Tension		LOAD	CASE(S) Sta	eferenced standard andard	ANSI/TPI	Ι.					
TOP CHORE	1-8=-173/93, 1-2=-1- 3-4=-87/53	45/114, 2-3=-133/10	6,									
BOT CHORE	7-8=-41/91, 6-7=0/0, 4-5=-35/70	, 2-7=-214/0, 5-6=-3	5/70,								COM	1000
WEBS	3-5=-277/178										THE OF I	MISC
NOTES										1	950	1,00°
1) Unbalan	ced roof live loads have	been considered for								B	SCOT	N CON
this desig										R	~/	
	SCE 7-16; Vult=115mph									4	SEV.	
II; Exp C cantileve right exp 3) Truss de only. Fo see Stan	mph; TCDL=6.0psf; BC ; Enclosed; MWFRS (er r left and right exposed osed; Lumber DOL=1.6 esigned for wind loads ir r studs exposed to wind dard Industry Gable Em t qualified building desi	velope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 n the plane of the tru (normal to the face)	e; d 50 ss , le,								NUM PE-2001	018807 E

February 23,2024

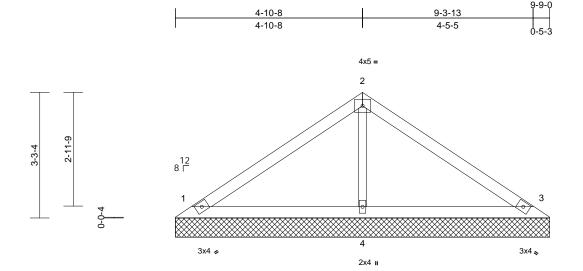


🔥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not
a truss system. Before use,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

Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	V7	Valley	1	1	Job Reference (optional)	163818375

### Run: 9 S 8,73 Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:57 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





9-9-0

Scale = 1:30

00010 - 1100													
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	0.27 0.17 0.06	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 25 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 Structural wood shea 6-0-0 oc purlins. Rigid ceiling directly a bracing. (size) 1=9-9-0, 3: Max Horiz 1=-77 (LC Max Uplift 1=-39 (LC (LC 8) Max Grav 1=205 (LC (LC 1)	applied or 10-0-0 or =9-9-0, 4=9-9-0 4) 8), 3=-48 (LC 9), 4:	ed or c	<ul> <li>on the botton 3-06-00 tall li chord and an</li> <li>All bearings</li> <li>Provide mecc bearing plate 1, 48 lb uplif</li> <li>This truss is International</li> </ul>	Residential Co nd referenced s	eas where will fit betw rs. be SPF No ion (by oth histanding 3 5 lb uplift a cordance w de sections	a rectangle veen the bott 0.2 . ers) of truss 9 lb uplift at t joint 4. ith the 2018 R502.11.1 a	to joint					
FORCES	(lb) - Maximum Comp Tension	pression/Maximum											
TOP CHORD	1-2=-153/73, 2-3=-15	52/55											
BOT CHORD	1-4=-15/71, 3-4=-15/7	71											
WEBS	2-4=-252/64												
NOTES													
	and we add the second as the second the												

1) 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=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. 4) Gable requires continuous bottom chord bearing.
- 5)

Gable studs spaced at 4-0-0 oc. 6)

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



February 23,2024



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

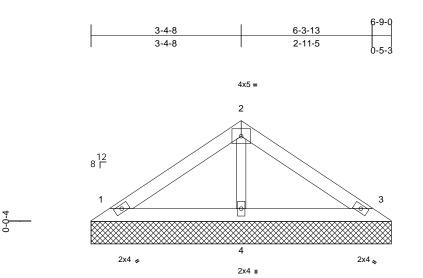
Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	V8	Valley	1	1	Job Reference (optional)	163818376

ၐ

1-11

2-3-4

### Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:58 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



6-9-0

Scale = 1:25.9

Loading TCLL (roof) TCDL	(psf) 25.0 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	<b>CSI</b> TC 0.1 BC 0.0	7 Vert(TL)	in n/a n/a	(loc) - -	l/defl n/a n/a	L/d 999 999	PLATES MT20	<b>GRIP</b> 197/144
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	YES IRC2018/TPI2014	WB 0.0 Matrix-P	B Horiz(TL)	0.00	3	n/a	n/a	Weight: 17 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing.	athing directly applie applied or 10-0-0 oc 3=6-9-0, 4=6-9-0 5) : 8), 3=-39 (LC 9)	8) All bearings 9) Provide mec bearing plate 1 and 39 lb u 10) This truss is International R802.10.2 a LOAD CASE(S)	are assumed to be SPF shanical connection (by o e capable of withstandin uplift at joint 3. designed in accordance Residential Code section nd referenced standard	thers) of truss 33 lb uplift at with the 2018 ns R502.11.1	joint				Weight. 1710	11 - 10/8
FORCES	(lb) - Maximum Corr Tension	pression/Maximum									
TOP CHORD BOT CHORD WEBS NOTES	1-2=-92/47, 2-3=-88 1-4=-10/43, 3-4=-10 2-4=-157/40										
<ol> <li>Unbalance this design</li> <li>Wind: ASC Vasd=91rr II; Exp C; I cantilever right expose</li> <li>Truss des</li> </ol>	ed roof live loads have  CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed; Lumber DOL=1.6 igned for wind loads in	(3-second gust) DL=6.0psf; h=25ft; C ivelope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 n the plane of the trus	Cat. e; 1 50 55						Ē	STATE OF J	1 CAN

- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
   Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 4-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads. 7) \* This truss has been designed for a live load of 20.0psi
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

# SCOTT M. SEVIER NUMBER PE-2001018807 February 23,2024

Page: 1

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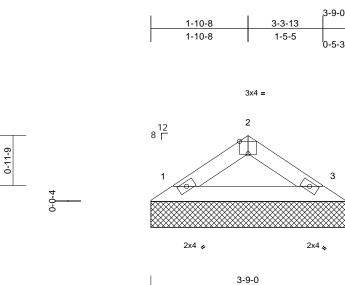


Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	V9	Valley	1	1	Job Reference (optional)	163818377

### Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:58 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

DEVELOPMENT SERVICES LEE'S' SUMMIT'S MISSOURI 03/22/2024 12:48:47



Scale = 1:22.2	
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Plate Offsets (X, Y): [2:0-2-0,Edge]

1-3-4

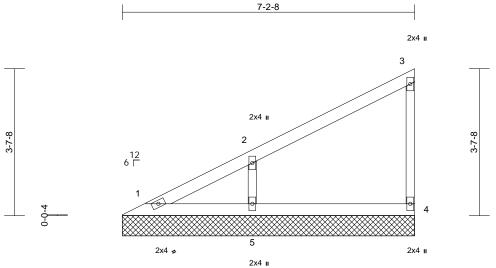
Loading TCLL (roof)	(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15		CSI TC	0.03	<b>DEFL</b> Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	<b>GRIP</b> 197/144
TCDL BCLL	10.0 0.0*	Lumber DOL Rep Stress Incr	1.15 YES		BC WB	0.08 0.00	Vert(TL) Horiz(TL)	n/a 0.00	- 3	n/a n/a	999 n/a		
BCDL	10.0	Code	IRC2018/	TPI2014	Matrix-P	0.00		0.00		1, 4		Weight: 8 lb	FT = 10%
BOT CHORD BRACING TOP CHORD BOT CHORD REACTIONS (% N FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD NOTES 1) Unbalanced this design ON Wind: ASCE Vasd=91mp II; Exp C; Er cantilever le right expos 3) Truss desig only. For st see Standar or consult q 4) Gable requi 5) Gable studs 6) This truss hi chord live lo 7) * This truss on the botto 3-06-00 tall chord and a	2x4 SPF No.2 2x4 SPF No.2 Structural wood she 3-9-12 oc purlins. Rigid ceiling directly bracing. size) 1=3-9-0, 3 Max Horiz 1=-25 (LC Max Uplift 1=-15 (LC Max Uplift 1=-15 (LC Max Grav 1=128 (LC (lb) - Maximum Com Tension 1-2=-112/34, 2-3=-1 1-3=-15/75 d roof live loads have E 7-16; Vult=115mph oh; TCDL=6.0psf; BC nclosed; MWFRS (er ff and right exposed ed; Lumber DOL=1.6 gned for wind loads ir tuds exposed to wind rul Industry Gable En- ualified building desig res continuous bottor s spaced at 4-0-0 oc. as been designed for ad nonconcurrent wi has been designed for m chord in all areas by 2-00-00 wide will my other members. are assumed to be S	applied or 10-0-0 oc 3=3-9-0 4) 2 8), 3=-15 (LC 9) C 1), 3=128 (LC 1) pression/Maximum 12/34 been considered for (3-second gust) DL=6.0psf; h=25ft; C tivelope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 the plane of the trust (normal to the face) d Details as applicab gner as per ANSI/TP m chord bearing. r a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle fit between the botto	10) d or LOA sat. e; H 00 ss J le, I 1. ls. psf	bearing plate 1 and 15 lb u This truss is International	hanical connection e capable of withsta iplift at joint 3. designed in accord Residential Code s not referenced stand Standard	anding 1 lance wi sections	5 lb uplift at jo th the 2018 R502.11.1 at	pint				SCOT SEV NUM PE-2001	IER BER 018807
Design valio a truss syst building des	NG - Verify design parame d for use only with MiTek® tem. Before use, the buildir sign. Bracing indicated is t aquired for stability and to p	connectors. This design is ng designer must verify the to prevent buckling of indiv	s based only up applicability of ridual truss web	oon parameters s f design paramet and/or chord m	shown, and is for an indi ters and properly incorp embers only. Additional	vidual buil orate this o I temporar	ding component, design into the ov y and permanent	not /erall					ORCONTRUCTIO

ARXING - Verify design parameters and READ ROTES ON THIS AND INCLUED MITER REFERENCE PAGE MIL-7473 rev. 17/2/2023 BEFORE USE. Design valid for use only with MITeR® 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)

Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	V10	Valley	1	1	Job Reference (optional)	163818378

### Run: 9 S 8,73 Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:58 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





7-2-8

Scale = 1:28.4

00010 - 112011												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P		,					Weight: 20 lb	FT = 10%
			0) Drevide	mechanical connect	4		10		_		•	
LUMBER TOP CHORD				plate capable of with								
				13 lb uplift at joint 5.		to in uplin at	John					
BOT CHORD				ss is designed in acc		ith the 2018						
WEBS OTHERS	2x3 SPF No.2 2x3 SPF No.2			ional Residential Co			and					
	2X3 SPF NO.2			).2 and referenced s								
BRACING				E(S) Standard								
TOP CHORD	<ul> <li>Structural wood she</li> <li>6-0-0 oc purlins, ex</li> </ul>		ied or LOAD CAS	E(S) Standard								
BOT CHORD	<ul> <li>Rigid ceiling directly bracing.</li> </ul>	applied or 10-0-0 o	0C									
REACTIONS		4=7-2-8, 5=7-2-8										
	Max Horiz 1=136 (LC	,										
	Max Uplift 4=-26 (LC	,, , , ,										
	Max Grav 1=82 (LC (LC 1)	16), 4=141 (LC 1),	5=378									
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD	,											
BOT CHORD		/35										
WEBS	2-5=-294/164											
NOTES												
	CE 7-16; Vult=115mph											
	mph; TCDL=6.0psf; BC											
	Enclosed; MWFRS (er											and and
	r left and right exposed										ATEOF	MIL
	osed; Lumber DOL=1.6										A.F. OF	MISS OF
	signed for wind loads in									4	Y.N.	N.S.
	studs exposed to wind									H	SCOT	TM YPY
	dard Industry Gable En									B	SEV	
	t qualified building designation designation to the second s		PLI.							1		
	ids spaced at 4-0-0 oc.	m choru bearing.									9 Jan.	
	s has been designed for	r a 10.0 paf hattam								S	ATT 1	Server
	e load nonconcurrent wi		de							The	NUM	BER
	ss has been designed f									12	PE-2001	
	ottom chord in all areas		000							N	The second	128
	all by 2-00-00 wide will		om							Y	Nº Co	IN B
	d any other members.	in botween the DOII	om								SSIONA	TENA
	as are assumed to be \$	SPE No 2									<b>UNA</b>	L'A

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 toulsible 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 23,2024



Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	V11	Valley	1	1	Job Reference (optional)	163818379

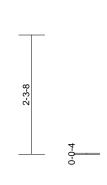
4-6-8

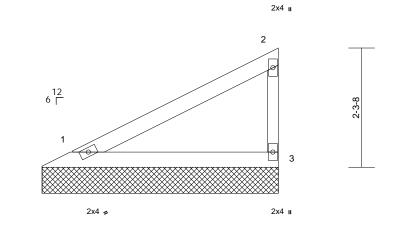
4-6-8

Wheeler Lumber, Waverly, KS - 66871,

Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:58 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

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Scale	 1.22 1

Scale = 1:22.1											
Loading         (psf)           TCLL (roof)         25.0           TCDL         10.0           BCLL         0.0*           BCDL         10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	<b>CSI</b> TC BC WB Matrix-P	0.27 0.15 0.00	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 12 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 BOT CHORD 2x3 SPF No.2 BRACING TOP CHORD Structural wood shear 4-7-0 oc purlins, exc BOT CHORD Rigid ceiling directly bracing. REACTIONS (size) 1=4-6-8, 3 Max Horiz 1=80 (LC Max Uplift 1=-22 (LC Max Grav 1=173 (LC FORCES (lb) - Maximum Com	cept end verticals. applied or 10-0-0 or 3=4-6-8 5) 2 8), 3=-42 (LC 8) C 1), 3=173 (LC 1)	Internationa R802.10.2 a LOAD CASE(S)	designed in acco Residential Code Ind referenced sta Standard	e sections	R502.11.1 a	and					
Tension TOP CHORD 1-2=-73/48, 2-3=-13: BOT CHORD 1-3=-27/21 NOTES 1) Wind: ASCE 7-16; Vult=115mph Vasd=91mph; TCDL=6.0psf; BC II; Exp C; Enclosed; MWFRS (er cantilever left and right exposed right exposed; Lumber DOL=1.6i 2) Truss designed for wind loads ir only. For studs exposed to wind see Standard Industry Gable End or consult qualified building desig 3) Gable requires continuous bottor 4) Gable studs spaced at 4-0-0 oc. 5) This truss has been designed for chord live load nonconcurrent wi 6) * This truss has been designed for on the bottom chord in all areas to 3-06-00 tall by 2-00-00 wide will chord and any other members. 7) All bearings are assumed to be 5 8) Provide mechanical connection ( bearing plate capable of withstar 1 and 42 lb uplift at joint 3.	<ul> <li>(3-second gust)</li> <li>DL=6.0psf; h=25ft; C twelope) exterior zon; end vertical left ann; o plate grip DOL=1.6 in the plane of the tru I (normal to the face) d Details as applicat gner as per ANSI/TF m chord bearing.</li> <li>r a 10.0 psf bottom ith any other live load fit between the bottoc SPF No.2. (by others) of truss to</li> </ul>	e; d 30 ss ole, ole, olf 1. ds. psf m								STATE OF I SCOT SEV NUM PE-2001	IER BER 018807

February 23,2024



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)

Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	V12	Valley	1	1	Job Reference (optional)	163818380

3-2-8

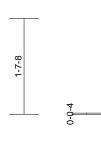
3-2-8

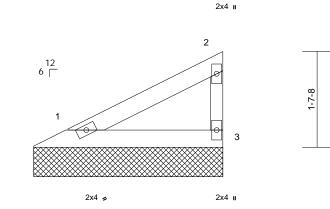
Wheeler Lumber, Waverly, KS - 66871,

### Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:58 ID: vBszku21 oz NPT? RIzYtJMSyXqDi-RfC? PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC? figther the second state of the second state

Page: 1







Scale		

Ocale = 1.13.5												
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	0.11 0.06	<b>DEFL</b> Vert(LL) Vert(TL)	in n/a n/a	(loc) - -	l/defl n/a n/a	L/d 999 999	PLATES MT20	<b>GRIP</b> 197/144
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	YES IRC2018/TPI2014	WB Matrix-P	0.00	Horiz(TL)	0.00	3	n/a	n/a	Weight: 8 lb	FT = 10%
FORCES TOP CHORD BOT CHORD NOTES 1) Wind: ASC Vasd=91m II; Exp C; I cantilever right expo: 2) Truss des only. For see Stand or consult 3) Gable requ 4) Gable stud 5) This truss chord live 6) * This trus on the bot 3-06-00 ta chord and 7) All bearing 8) Provide m bearing pla	2x4 SPF No.2 2x3 SPF No.2 Structural wood she 3-3-0 oc purlins, exi Rigid ceiling directly bracing. (size) 1=3-2-8, 3 Max Horiz 1=53 (LC Max Uplift 1=-15 (LC Max Grav 1=113 (LC (lb) - Maximum Com Tension 1-2=-48/32, 2-3=-88	cept end verticals. applied or 10-0-0 or 3=3-2-8 5) 5 (a), 3=-28 (LC 8) C 1), 3=113 (LC 1) pression/Maximum /43 (3-second gust) DL=6.0psf; h=25ft; ( ivelope) exterior zor ; end vertical left am 0 plate grip DOL=1.6 the plane of the tru (normal to the face) d Details as applicat gner as per ANSI/TF m chord bearing. r a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle fit between the botto SPF No.2. (by others) of truss to	Linternationa R802.10.2 a LOAD CASE(S) ad or c Cat. he; d 60 liss b) pole, PI 1. ds. lppsf om	designed in acco I Residential Cod and referenced sta Standard	e sections	R502.11.1 a	and				SEV SEV OFF SSION	TER BER 1018807

February 23,2024

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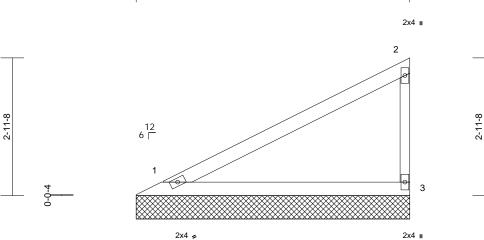
Job	Truss	Truss Type	Qty	Ply	Lot 170 HT	
B240019	V13	Valley	1	1	Job Reference (optional)	163818381

5-10-8

Wheeler Lumber, Waverly, KS - 66871,

Run: 9 S 8.73 Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 23 08:12:59 ID:vBszku21ozNPT?RIzYtJMSyXqDi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



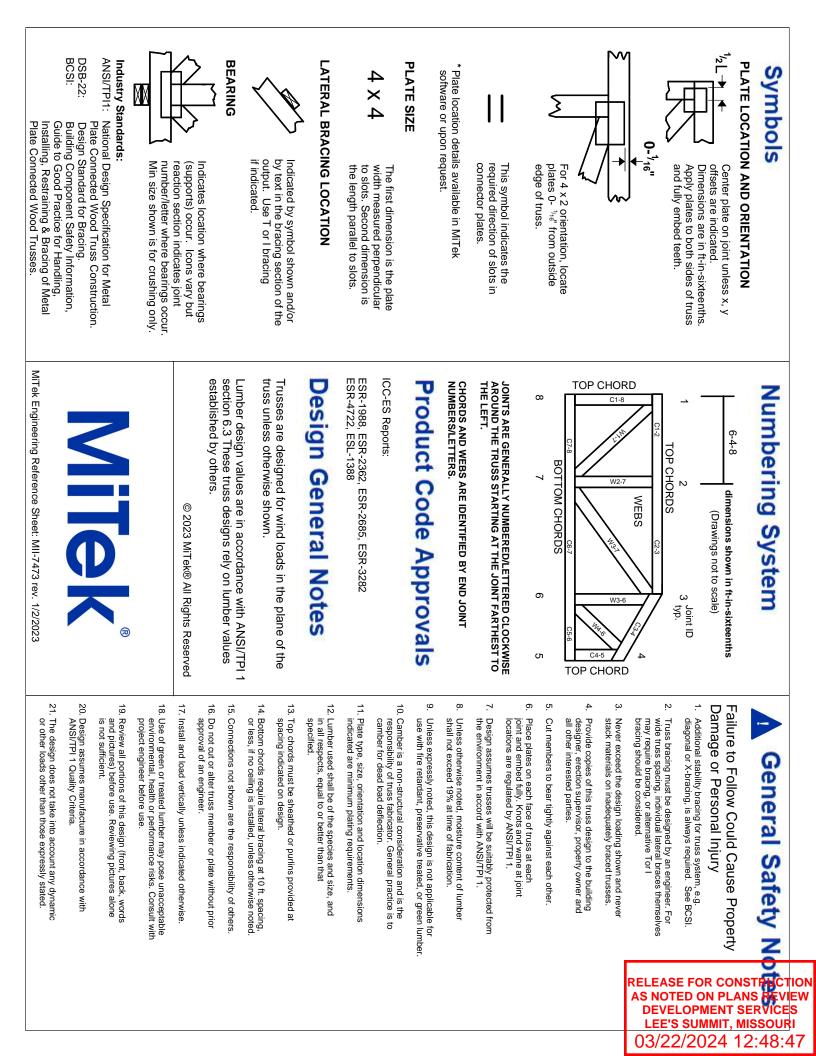
5-10-8

Scale =	1:24.7
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Scale = 1:24.7												
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	0.52 0.28 0.00	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 15 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD NOTES 1) Wind: ASC Vasd=91rr II; Exp C; I cantilever right expos 2) Truss des only. For s see Stands or consult 3) Gable requ 4) Gable requ 6) * This truss on the bott 3-06-00 tal chord and 7) All bearing 8) Provide m bearing pla	2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 Structural wood she 5-11-0 oc purlins, e Rigid ceiling directly bracing. (size) 1=5-10-8, Max Horiz 1=108 (LC Max Uplift 1=-30 (LC Max Grav 1=233 (LC (Ib) - Maximum Com Tension 1-2=-99/65, 2-3=-18	athing directly applie xcept end verticals. applied or 10-0-0 or 3=5-10-8 2 5) 3 (3), 3=-57 (LC 8) 2 1), 3=233 (LC 1) pression/Maximum 1/88 (3-second gust) DL=6.0psf; h=25ft; C ivelope) exterior zon center of the true (normal to the face) d Details as applicat gner as per ANSI/TF m chord bearing. r a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle fit between the botto SPF No.2. (by others) of truss to	9) This truss is International R802.10.2 a LOAD CASE(S) ed or c	designed in accord Residential Code nd referenced stan	sections	s R502.11.1 a	Ind				STATE OF J	MISSOLUTION T.M. IER Oleccerco 018807
											rebruar	y 20,2024

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LEE'S SUMMIT, MISSOURI

03/22/2024