

RE: B240067 Lot 166 HT

# Site Information:

Customer: Summit Homes Project Name: B240067 Lot/Block: 166 Model: Se Address: 1632 SW Buckthorn Street City: Lee's Summit

Model: Somerset - Tuscan Subdivision: Hawthorn Ridge State: MO

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

Design Code: IRC2018/TPI2014 Wind Code: ASCE 7 - 16[Low Rise] Roof Load: 45.0 psf

Design Program: MiTek 20/20 8.7 Wind Speed: 115 mph Floor Load: N/A psf

This package includes 41 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	164780418	A1	4/10/2024	21	164780438	D3	4/10/2024
2	164780419	A2	4/10/2024	22	164780439	E1	4/10/2024
3	164780420	A3	4/10/2024	23	164780440	V1	4/10/2024
4	164780421	A4	4/10/2024	24	164780441	V2	4/10/2024
5	164780422	A5	4/10/2024	25	164780442	V3	4/10/2024
6	164780423	A6	4/10/2024	26	164780443	V4	4/10/2024
7	164780424	A7	4/10/2024	27	164780444	V5	4/10/2024
8	164780425	A8	4/10/2024	28	164780445	V6	4/10/2024
9	164780426	A9	4/10/2024	29	164780446	V7	4/10/2024
10	164780427	A10	4/10/2024	30	164780447	V8	4/10/2024
11	164780428	B1	4/10/2024	31	164780448	V9	4/10/2024
12	164780429	B2	4/10/2024	32	164780449	V10	4/10/2024
13	164780430	B3	4/10/2024	33	164780450	V11	4/10/2024
14	164780431	B4	4/10/2024	34	164780451	V12	4/10/2024
15	164780432	B5	4/10/2024	35	164780452	V13	4/10/2024
16	164780433	B6	4/10/2024	36	164780453	V14	4/10/2024
17	164780434	C1	4/10/2024	37	164780454	V15	4/10/2024
18	164780435	C2	4/10/2024	38	164780455	V16	4/10/2024
19	164780436	D1	4/10/2024	39	164780456	V17	4/10/2024
20	164780437	D2	4/10/2024	40	164780457	V18	4/10/2024

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc under my direct supervision

based on the parameters provided by Wheeler - Waverly.

Truss Design Engineer's Name: Sevier, Scott

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

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



	April 10, 2024
Sevier, Scott	RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW
	DEVELOPMENT SERVICES
	LEE'S SUMMIT, MISSOURI
	06/03/2024 3:44:40

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



# RE: B240067 - Lot 166 HT

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

# Site Information:

Project Customer: Summit Homes Project Name: B240067 Lot/Block: 166 Subdivision: Hawthorn Ridge Address: 1632 SW Buckthorn Street City, County: Lee's Summit State: MO

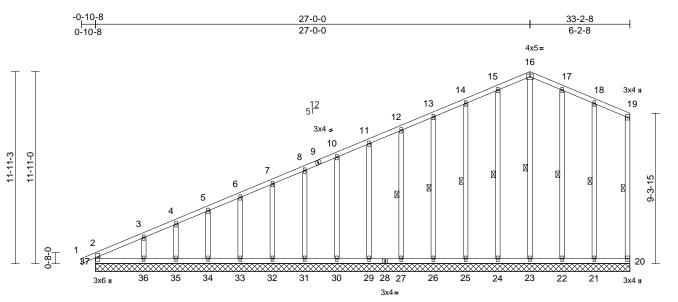
No.	Seal#	Truss Name	Date
41	164780458	V19	4/10/2024



Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	A1	Common Supported Gable	2	1	Job Reference (optional)	164780418

### Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:01 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



			L				33-2-8							
Scale = 1:71.6			-											_
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 IRC20	018/TPI2014	<b>CSI</b> TC BC WB Matrix-R	0.39 0.16 0.14	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in n/a n/a -0.01	(loc) - - 20	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 208 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SPF No 2x4 SPF No 2x4 SPF No Structural v 6-0-0 oc pu Rigid ceilin bracing. 1 Row at m (size) 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	o.2 o.2 o.2 wood shea rifins, exc g directly hidpt 20=33-2-8 23=33-2-8 30=33-2-8 33=33-2-8 33=33-2-8 33=33-2-8 33=33-2-8 33=33-2-8 33=33-2-8 33=33-2-8 (L) 20=-43 (L)	C 4), 21=-45 (LC 9), C 9), 23=-18 (LC 7),	ed or , , , , , , , , , , , , , , , , , , ,	BOT CHORD WEBS	2-37=-206/0, 1-2-3-4=-279/35, 4-5=6-7=-216/28, 7-8=10-11=-174/39, 1 12-13=-147/92, 1 12-13=-147/92, 1 14-15=-104/171, 18-19=-163/140, 36-37=-130/98, 3 32-33=-130/98, 3 32-33=-130/98, 3 30-31=-130/98, 2 27-29=-130/98, 2 2	=-262/35, =-202/27, 1-12=-16 3-14=-13 15-16=-1 17-18=-1 19-20=-1 5-36=-13 3-34=-13 1-32=-13 9-30=-13 6-27=-13 4-25=-13 2-23=-13 5-24=-14 3-26=-14 1-29=-14 -31=-140 34=-143/7	5-6=-237/31, 8-10=-188/27 1/65, 3/118, 55/170, 18/145, 24/106 0/98, 0/98, 0/98, 0/98, 0/98, 0/98, 0/98, 0/98, 0/98, 0/98, 0/98, 0/98, 0/98, 0/98, 0/98, 0/98, 0/98, 0/98, 0/98, 0/71, 0/72, 72, 7-32=-14/ 8, 4-35=-126/	0/72,	<ul> <li>cho</li> <li>9) * Th</li> <li>on t</li> <li>3-0i</li> <li>cho</li> <li>10) All I</li> <li>11) Pro</li> <li>bea</li> <li>20,</li> <li>upli</li> <li>27,</li> <li>upli</li> <li>27,</li> <li>upli</li> <li>33,</li> <li>upli</li> <li>join</li> <li>12) This</li> </ul>	rd live k his truss he botto 6-00 tall rd and a bearings vide me ring pla 18 lb up ft at join 48 lb up ft at join 57 lb up ft at join 57 lb up ft at join t 21. s truss is prnationa 02.10.2 s	bad nor has be om cho by 2-0 any oth s are as chanic te capa oblift at jo t 25, 47 oblift at jo t 31, 44 t 31, 45 t 36, 56 s desig al Resid and ref	een designed for rd in all areas wh 0-00 wide will fit i er members. ssumed to be SP al connection (by able of withstandi oint 23, 44 lb upli 7 lb uplift at joint 3 oint 29, 48 lb uplif 8 lb uplift at joint 3 oint 34, 11 lb upli 6 lb uplift at joint 3 ned in accordance dential Code sect erenced standard	any other live loads. a live load of 20.0psf ere a rectangle between the bottom F No.2 . others) of truss to ng 43 lb uplift at joint ft at joint 24, 51 lb 26, 48 lb uplift at joint ft at joint 30, 48 lb 32, 46 lb uplift at joint ft at joint 35, 148 lb 22 and 45 lb uplift at ev with the 2018 ions R502.11.1 and
FORCES	Max Grav	26=-47 (L) 29=-48 (L) 31=-48 (L) 33=-46 (L) 33=-46 (L) 20=88 (LC 22=185 (L) 22=185 (L) 24=189 (L) 24=180 (L) 31=180 (L) 33=179 (L) 33=179 (L) 37=245 (L)	C 8), 25=-51 (LC 8), C 8), 27=-48 (LC 8), C 8), 30=-48 (LC 8), C 8), 32=-48 (LC 8), C 8), 34=-57 (LC 8), C 8), 36=-148 (LC 8), C 8), 36=-148 (LC 8), C 8), 21=200 (LC 2), C 21), 25=179 (LC 2), C 1), 25=179 (LC 2), C 1), 30=180 (LC 2), C 1), 32=180 (LC 2), C 1), 34=185 (LC 2), C 1), 36=242 (LC 2), C 16) pression/Maximum	) 2), 1), 21), 1), 1), 1), 1),	NOTES 1) Unbalanced this design. 2) Wind: ASCE Vasd=91mp II; Exp C; Er cantilever ler right expose 3) Truss design only. For stu see Standar or consult qu 4) All plates arr 5) Gable requir 6) Truss to be le braced again	roof live loads ha 7-16; Vult=115m h; TCDL=6.0psf; hclosed; MWFRS ft and right expos d; Lumber DOL= ned for wind load uds exposed to w d Industry Gable Julified building dr e 2x4 MT20 unles res continuous bo fully sheathed from nst lateral movem spaced at 2-0-0 d	aph (3-see BCDL=6. (envelope ed ; end 1 1.60 plate Is in the p ind (norm End Deta esigner a: so therwi ttom choo m one fac ent (i.e. c	cond gust) Dps; h=25ft; ( e) exterior zor ertical left an grip DOL=1.( ane of the tru al to the face) ils as applicat s per ANSI/TF se indicated. d bearing. e or securely	Cat. he; d 50 ss ble, PI 1.		-	E.	STATE OF M SCOT SEVI SEVI PE-20010 PE-20010	BER 018807

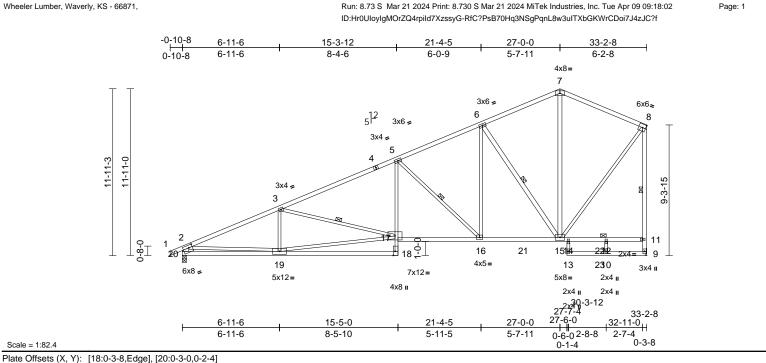
April 10,2024





Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	A2	Roof Special	1	1	Job Reference (optional)	164780419

Scale = 1:82.4



Loading         (psf)           TCLL (roof)         25.0           TCDL         10.0           BCLL         0.0           BCDL         10.0	Plate Grip DOL 1. Lumber DOL 1. Rep Stress Incr Y	15	CSI TC BC WB Matrix-S	0.76 0.79 0.98	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	-0.51 0.15	(loc) 18-19 18-19 9 16-17	l/defl >999 >769 n/a >999	L/d 360 240 n/a 240	<b>PLATES</b> MT20 Weight: 168 lb	<b>GRIP</b> 197/144 FT = 10%
1.8E         BOT CHORD       2x4 SPF No.2 *Ex         WEBS       2x3 SPF No.2 *Ex         SPF No.2, 20-2:2)         BRACING         TOP CHORD       Structural wood si         3-3-6 oc purlins, i         BOT CHORD       Rigid ceiling direct         bracing,         WEBS       1 Row at midpt         JOINTS       1 Brace at Jt(s): 1         REACTIONS       (size)       9= Mec         Max Horiz       20=338         Max Upliff       9=-219	neathing directly applied or except end verticals. tly applied or 9-2-14 oc 3-17, 5-16, 6-15, 8-9 2 hanical, 20=0-3-8	<ul> <li>Vasd=91m II; Exp C; I cantilever right expos</li> <li>3) This truss chord live</li> <li>4) * This truss on the bott 3-06-00 ta chord and</li> <li>5) All bearing</li> <li>6) Refer to gi</li> <li>7) Provide m bearing pla 20 and 211</li> <li>8) This truss</li> </ul>	E 7-16; Vult=115m ph; TCDL=6.0psf; E inclosed; MWFRS ( eft and right expose ed; Lumber DOL=1 has been designed oad nonconcurrent is has been designee om chord in all area I by 2-00-00 wide w any other members is are assumed to b der(s) for truss to tu echanical connectio the capable of withs 0 bu plift at joint 9. is designed in accord al Residential Code	CDL=6. (enveloped; end v .60 plate for a 10. with any d for a liv as where e SPF N- russ conr n (by oth tanding 2 rdance w	Dpsf; $h=25ff$ ; ( e) exterior zor rertical left an grip DOL=1. ) psf bottom other live loa e load of 20.0 a rectangle veen the botto DL = 10.0psf b.2. ections. ers) of truss t 51 lb uplift at ith the 2018	ne; d 60 ds. lpsf om o joint					
Tension TOP CHORD 1-2=0/30, 2-3=-29	ompression/Maximum 61/429, 3-5=-2606/430, 7=-906/226, 7-8=-906/243, 9-11=-1604/243,	LOAD CASE(	and referenced sta	ndard AN	ISI/TPI 1.						
BOT CHORD 19-20=-381/802, 5-17=-44/715, 16- 15-16=-213/1482,	,								Å	STATE OF M	M. Yor V
WEBS 13-14=0/95, 3-19= 17-19=-548/2534, 5-16=-1162/309, 6 -15=-1260/320, 7 8-15=-179/1262, 2 10-12=0/77 NOTES 1) Unbalanced roof live loads has this design.	3-17=-367/141, 5-16=-126/1002, 7-15=-66/389, 2-19=-178/1865,							-		SEVI NUM PE-20010 PE-20010	DI8807

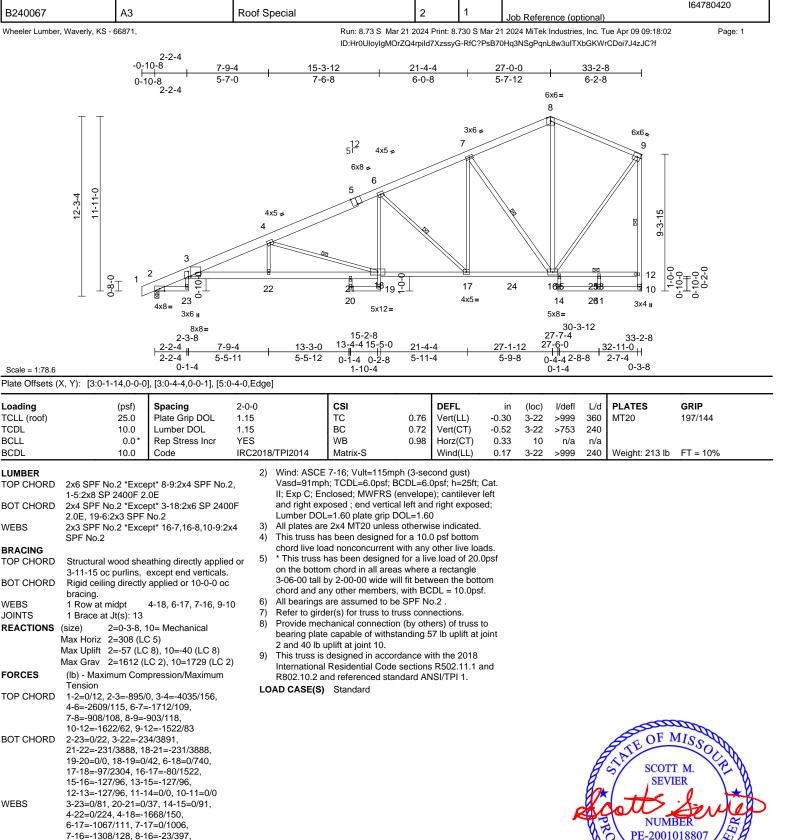
April 10,2024

DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 06/03/2024 3:44:40

TION IEW

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 166 HT	
B240067	A3	Roof Special	2	1	Job Reference (optional)	164780420



NOTES

WEBS

TCDL

BCLL

BCDL

WEBS

WEBS

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

9-16=-29/1286, 11-13=0/83

April 10,2024

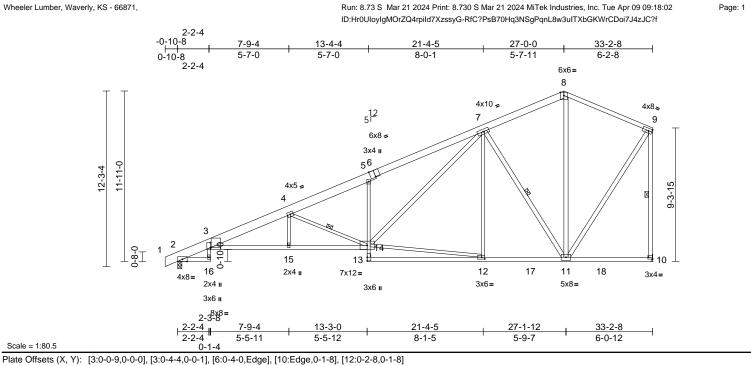
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SIONAL

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 166 HT	
B240067	A4	Roof Special	2	1	Job Reference (optional)	164780421



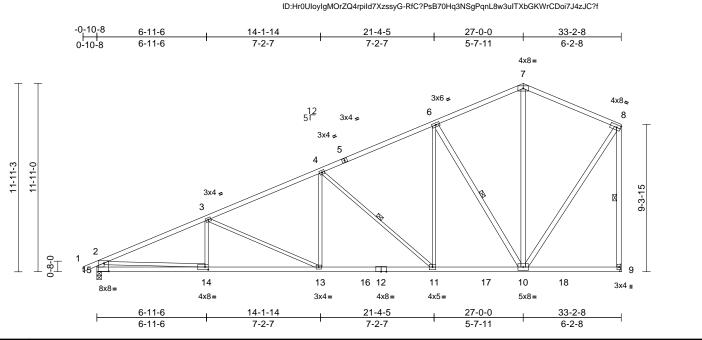
	(7, 1). [0.0 0 0,0 0 0],		, 4 0,Euge],	[10.Edge,0 1	0, [12.0 2 0,0 1	0]							
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	3/TPI2014	<b>CSI</b> TC BC WB Matrix-S	0.78 0.63 0.67	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)		(loc) 14-15 12-13 10 3-15	l/defl >999 >694 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 205 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	1-6:2x8 SP 2400F 2 2x4 SPF No.2 *Exce 1.8E, 5-13:2x3 SPF 2x3 SPF No.2 *Exce 14-7,11-7,11-8,11-9, Structural wood she 3-8-11 oc purlins, e Rigid ceiling directly bracing, 1 Row at midpt	0E pt* 3-14:2x4 SPF 2 No.2 pt* 10-9:2x4 SPF No.2 athing directly applie xcept end verticals. applied or 10-0-0 o 4-14, 7-11, 9-10 10= Mechanical C 5) 2 8), 10=-39 (LC 8)	4) 100F 5) 6) ed or 7) c 8) LO	chord live loa * This truss h on the bottor 3-06-00 tall h chord and ar All bearings Refer to gird Provide mec bearing plate 2 and 39 lb u This truss is International	is been designed ad nonconcurrent has been designed n chord in all are by 2-00-00 wide w by other members are assumed to be er(s) for truss to the hanical connection capable of with plift at joint 10. designed in accor Residential Code nd referenced stat Standard	t with any ed for a liv as where will fit betw s, with BC be SPF No truss conr br (by oth standing 5 brdance w e sections	other live load e load of 20.0 a rectangle ween the botti DL = 10.0psi c.2. ers) of truss i 55 lb uplift at j ith the 2018 s R502.11.1 a	Opsf om f. to joint					
FORCES	(lb) - Maximum Com		2)										
TOP CHORD	Tension 1-2=0/12, 2-3=-883/ 4-5=-2798/132, 5-7= 7-8=-813/116, 8-9=-	-2777/229,	8/80										
BOT CHORD		/3719, 14-15=-218/ -412/149, 12-13=0/1	3710,									OF N	MISSO
WEBS	3-16=0/71, 4-15=-50 12-14=-91/1155, 7-1 7-12=0/270, 7-11=-1 9-11=-17/1234	)/133, 4-14=-1334/1 4=-170/1661,										STATE OF T	гм.
this design 2) Wind: ASC Vasd=91n II; Exp C; and right e	ed roof live loads have n. CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er exposed ; end vertical I OL=1.60 plate grip DC	(3-second gust) DL=6.0psf; h=25ft; ( nvelope); cantilever eft and right expose	Cat. left									NUM PE-2001 PSSIONA	LENGT

April 10,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	A5	Common	1	1	Job Reference (optional)	164780422



Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:02

### Plate Offsets (X, Y): [14:0-2-8,0-2-0], [15:0-3-8,0-6-4]

Scale = 1:73

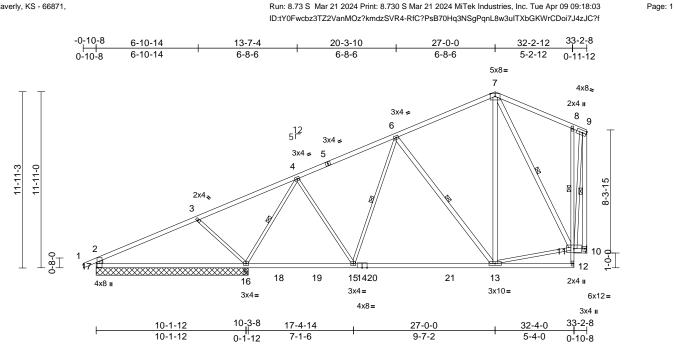
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.19	11-13	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.34	11-13	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.08	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S	_	Wind(LL)	0.09	13-14	>999	240	Weight: 161 lb	FT = 10%
	2x4 SPF No.2 2x3 SPF No.2 *Exce 10-8,9-8,10-6,10-7:2 SPF No.2 Structural wood she 2-8-10 oc purlins, e Rigid ceiling directly bracing. 1 Row at midpt (size) 9= Mecha Max Horiz 15=278 (L Max Uplift 9=-59 (LC	x4 SPF No.2, 15-2:2 athing directly applie xcept end verticals. applied or 10-0-0 oc 8-9, 4-11, 6-10 inical, 15=0-3-8 .C 8) 3 8), 15=-34 (LC 8)	on the bot 3-06-00 ta chord and 6) Refer to g 7) Provide m bearing pl 15 and 59 8) This truss Internation R802.10.2 LOAD CASE(	s has been designe tom chord in all area II by 2-00-00 wide w any other members is are assumed to b irder(s) for truss to t echanical connectio ate capable of withs Ib uplift at joint 9. is designed in accon nal Residential Code and referenced sta S) Standard	as where vill fit betw s, with BC e SPF N russ coni on (by oth standing 3 rdance w e sections	a rectangle ween the botto CDL = 10.0psf. o.2. mections. mers) of truss to 34 lb uplift at jo with the 2018 s R502.11.1 ar	m D Dint					
FORCES	Max Grav 9=1621 (L (lb) - Maximum Com Tension		2)									
TOP CHORD		830/67, 7-8=-824/74	,									
BOT CHORD	,	-14=-264/2654,										- AL
WEBS	8-10=-61/1243, 2-14 3-13=-610/89, 4-13= 6-11=0/927, 6-10=-1	=0/553, 4-11=-1015/1	107,							Å	TATE OF M	AISSOL
NOTES										A	S SCOTT	
<ul> <li>this design</li> <li>2) Wind: ASC</li> <li>Vasd=91rr</li> <li>II; Exp C; I</li> <li>and right e</li> <li>DOL=1.60</li> <li>3) This truss</li> </ul>	ed roof live loads have h. CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er exposed ; end vertical l plate grip DOL=1.60 has been designed for load nonconcurrent wi	(3-second gust) DL=6.0psf; h=25ft; C ivelope); cantilever le left exposed; Lumber r a 10.0 psf bottom	Cat. eft r						e	and the second	SEVI PE-20010 PE-20010	Soutes

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)



April 10,2024

Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	A6	Roof Special	1	1	Job Reference (optional)	164780423



### Scale = 1:78 Plate Offsets (X, Y): [17:0-4-11.0-2-0]

Plate Offsets (2	X, Y): [17:0-4-11,0-2-	-0]			•	-							
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.55 0.76 0.51	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	-0.52 0.02	(loc) 13-15 13-15 10 13-15	l/defl >851 >530 n/a >999	L/d 360 240 n/a 240	MT20	<b>GRIP</b> 197/144 FT = 10%
	1 Row at midpt	A SPF No.2 Spt* :2x4 SPF No.2, 17-2 eathing directly applie except end verticals. Papplied or 10-0-0 oc 4-16, 6-15, 6-13, 7-1 9-10 hanical, 16=10-3-8, 8 LC 5) (LC 8), 16=-252 (LC - C 8) (LC 2), 16=1573 (LC	:2x6 3) 4) ed or 5) 11, 6) 7) 8),	Vasd=91mp II; Exp C; Er cantilever le right expose This truss hi- chord live lo * This truss so on the botto 3-06-00 tall chord and a Bearings arr Joint 10 SPI Refer to girc Provide med bearing plat 17, 143 lb u This truss is Internationa	F7-16; Vult=115m h; TCDL=6.0psf; hclosed; MWFRS ft and right expose d; Lumber DOL= as been designed has been designed m chord in all are by 2-00-00 wide v ny other members e assumed to be: F No.2, Joint 16 § der(s) for truss to 1 chanical connectif e capable of withs plift at joint 10 and designed in accco I Residential Cod and referenced sta	BCDL=6. (envelopped) (envelopped) (and the second second t with any ed for a 10. t with any ed for a liv as where will fit betw s, with BC Joint 16 § SPF 2100 truss connon (by oth standing 7 d 252 lb u ordance w e sections	Dpsf; $h=25ft$ ; a) exterior zo retrical left ar grip DOL=1. D psf bottom other live loa e load of 20.1 a rectangle veen the bott DL = 10.0ps SPF 2100F 1 F 1.8E . hections. ers) of truss : 5 lb uplift at joint 1 plift at joint 1 it the 2018 is R502.11.1 a	ne; nd .60 ads. Opsf om f. .8E , to joint 6.					
FORCES	(lb) - Maximum Com Tension 1-2=0/30, 2-3=-478/	74, 3-4=-185/95,	54									GE OF I	MISSO
BOT CHORD	4-6=-914/183, 6-7=- 8-9=-208/131, 9-10= 16-17=-292/373, 15- 13-15=-178/748, 12- 8-11=-347/244, 10-1	=-910/211, 2-17=-439 -16=-216/604, -13=-21/106, 11-12=	9/135									STATE OF I	T M. ER
WEBS	3-16=-501/254, 4-16	6=-1094/208, 4-15=0 =-489/229, 7-13=-84/								ť		PE-2001	
NOTES											N	N/	12A

#### NOTES

 Unbalanced roof live loads have been considered for this design.

SIONAL ENGE April 10,2024

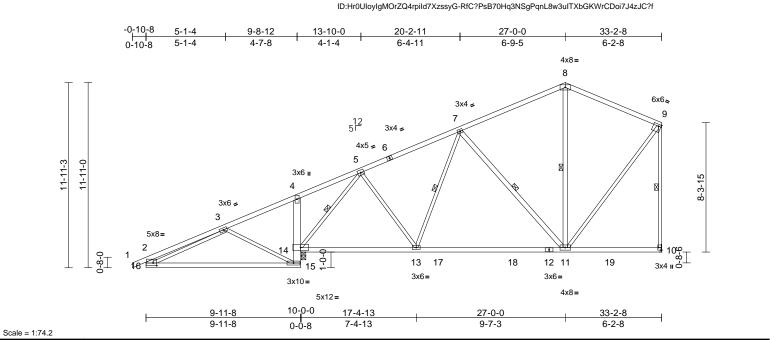
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 166 HT	
B240067	A7	Roof Special	3	1	Job Reference (optional)	164780424

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:03

Wheeler Lumber, Waverly, KS - 66871,



### Plate Offsets (X, Y): [2:0-2-12,0-2-0], [9:0-2-0,0-1-8], [10:Edge,0-2-8]

					-								
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.98 0.70 0.88	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)		(loc) 11-13 15-16 10 10-11	l/defl >999 >215 n/a >999	L/d 360 120 n/a 240	<b>PLATES</b> MT20 Weight: 153 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS		2x4 SPF No.2 ppt* 11-8,7-11:2x4 S No.2 athing directly applie cept end verticals. applied or 6-0-0 oc 8-11, 9-10, 5-14, 7- 7-11 nanical, 14=0-3-8	PF 5) ed or 6) 7)	chord live loa * This truss h on the bottor 3-06-00 tall h chord and ar Bearings are Joint 10 SPF Refer to gird Provide mec bearing plate 14 and 20 lb This truss is International	as been designed ad nonconcurrent nas been designe n chord in all area by 2-00-00 wide w ny other members assumed to be: > No.2. No.2. er(s) for truss to th hanical connectio e capable of withs uplift at joint 10. designed in accon Residential Code nd referenced sta	with any d for a liv as where rill fit betw with BC Joint 14 S russ conr n (by oth tanding 1 rdance w e sections	other live loa e load of 20.0 a rectangle veen the botto DL = 10.0psf SPF 2100F 1. rections. ers) of truss t 80 lb uplift at ith the 2018 s R502.11.1 a	Dpsf 5. 8E , o joint					
FORCES	Max Uplift 10=-20 (L Max Grav 10=956 (L (Ib) - Maximum Com Tension	C 9), 14=-180 (LC 4 _C 2), 14=2269 (LC ppression/Maximum	•)	DAD CASE(S)	Standard								
TOP CHORD	1-2=0/30, 2-3=-333/ 4-5=-273/1531, 5-7= 8-9=-509/100, 2-16= 15-16=-615/165, 14	567/49, 7-8=-525/8 301/69, 9-10=-855 -15=-78/367,	,										The
WEBS	4-14=-175/76, 13-14 11-13=-116/554, 10- 3-15=-505/117, 8-11 3-16=-230/1004, 9-1 5-13=-14/770, 5-14= 7-13=-406/140, 7-11	-11=-96/72 =-155/118, 1=-24/661, 2139/160,										STATE OF M SCOTT	гм.
this design	ed roof live loads have n. CE 7-16: Vult=115mph		r							Ż	S	ott	Servier

 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); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

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



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April 10,2024

PE-200101880

SIONAL

Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	A8	Roof Special	4	1	Job Reference (optional)	164780425

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:03

Wheeler Lumber, Waverly, KS - 66871,

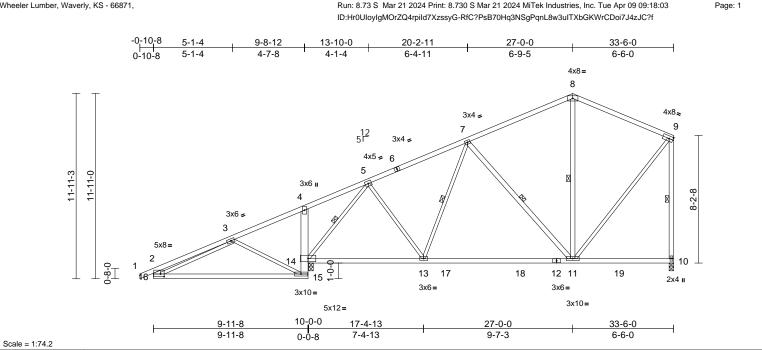


Plate Offsets (X, Y): [2:0-2-12,0-2-0]

- 1010 0110010 (	(,,, .). [2:0 2 :2;0 2 0	1											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TP	T B V	CSI FC BC WB Matrix-S	0.62 0.71 0.89	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	-0.53 -0.01	(loc) 11-13 15-16 10 11-13	l/defl >999 >215 n/a >999	L/d 360 120 n/a 240	PLATES MT20 Weight: 156 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SPF No.2 2x4 SPF 2100F 1.8E 2400F 2.0E, 12-10:2 2x3 SPF No.2 *Exce 10-9,11-8,7-11:2x4 \$ Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. 1 Row at midpt	2x4 SPF No.2 pt* 16-2:2x6 SPF N SPF No.2 athing directly applie cept end verticals. applied or 6-0-0 oc 9-10, 8-11, 5-14, 7- 7-11 14=0-3-8 _C 5) LC 9), 14=-382 (LC	3) Th chu SP 4) *T on o.2, 3-( chu 5) Be ed or Joi 6) Pro be 10 13, 7) Th Int R8 LOAD 4)	is truss has b ord live load r his truss has the bottom c 06-00 tall by 2 ord and any c ord and any c arings are as nt 10 SPF No ovide mechar aring plate ca and 382 lb u is truss is det ernational Re	been designed fo nonconcurrent w s been designed i chord in all areas 2-00-00 wide will other members, to ssumed to be: Joo 0.2. nical connection apable of withsta apable of withsta signed in accord: seidential Code s referenced stance	ith any for a liv where fit betv with BC int 14 \$ (by oth nding 1 ance w ections	D psf bottom other live load e load of 20.0 a rectangle veen the bottu DL = 10.0psl SPF 2100F 1. ers) of truss t 17 lb uplift at 17 lb uplift at ith the 2018 R502.11.1 a	ids. Dpsf om f. 8E , to tjoint					
FORCES	(lb) - Maximum Com	, · · · · · · · · · · · · · · · · · · ·	_/										
TOP CHORD	Tension 1-2=0/30, 2-3=-333/ 4-5=-400/1531, 5-7= 8-9=-523/172, 2-16=	-547/102, 7-8=-538	/150,										
BOT CHORD		-15=-108/367, 4=-250/200,										OF M	AISS
WEBS	8-11=-145/127, 9-11 5-14=-2152/342, 7-1 7-11=-202/175, 3-15 3-16=-309/1004	3=-411/176,	/776,								ł.	STATE OF M	M. YAY
this design 2) Wind: ASC Vasd=91n II; Exp C; cantilever	ed roof live loads have	(3-second gust) DL=6.0psf; h=25ft; ( nvelope) exterior zor ; end vertical left an	Cat. ne; d									PE-20010	018807

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)



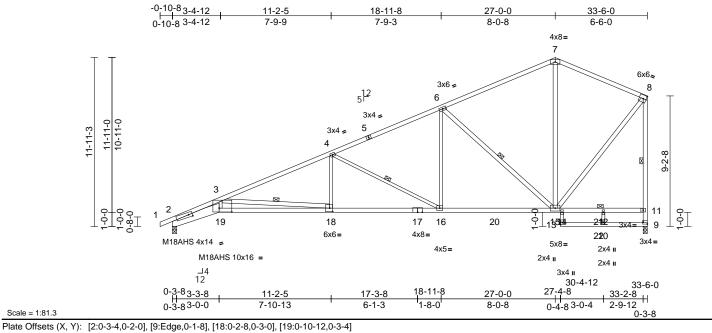
April 10,2024

Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	A9	Roof Special	2	1	Job Reference (optional)	164780426

Scale = 1:81.3

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:03 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	<b>CSI</b> TC BC WB Matrix-S	0.80 0.88 0.95	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	-0.92 0.36	(loc) 18-19 18-19 9 18-19	l/defl >772 >434 n/a >982	L/d 360 240 n/a 240	PLATES MT20 M18AHS Weight: 166 lb	<b>GRIP</b> 197/144 142/136 FT = 10%
FORCES TOP CHORD BOT CHORD WEBS NOTES	$\begin{array}{llllllllllllllllllllllllllllllllllll$	*Except* 19-17:2x4 : xx3 SPF No.2, 13-9:2 4 SPF 2100F 1.8E pt* 10-12:2x3 SPF No.2 athing directly applie xcept end verticals. applied or 6-0-0 oc 8-9, 4-16, 3-18, 6-19 9=0-3-8 C 8), 9=-240 (LC 8) .C 2), 9=1744 (LC 2) pression/Maximum 1501, 3-4=-3356/496 -996/169, 7-8=-965/ 1=-1537/269 8-19=-1645/6161, 5-16=-413/1879, -94/16, 11-12=-94/10 11/102, 9-10=-1/102 8=0/584, 6-16=-61/5 5=-1418/369, -12=0/100	SPF 2x4 2 5 d or 6 5 7 8 9 9 5, L 6, 918,	Vasd=91mpl II; Exp C; En cantilever lef exposed; Lui All plates are This truss ha chord live loa * This truss ha on the bottor 3-06-00 tall b chord and ar Bearings are Joint 9 SPF Bearing ANSI/1 designer shc Provide mec bearing plate 2 and 240 lb This truss is International	nt(s) 2 considers PI 1 angle to gra uld verify capacit annical connections capable of without uplift at joint 9. designed in acco Residential Code and referenced sta	BCDL=6. (envelope ed; end v plate grip less other for a 10. with any d for a liv as where vill fit betw s, with BC Joint 2 SI s parallel t in formuli ty of bear on (by oth standing 2 vrdance w e sections	Dipsf; h=25ft; ( exterior zon ertical left DOL=1.60 wise indicate p psf bottom other live loa e load of 20.0 a rectangle e content bottt DL = 10.0psf 2400F 2.0E o grain value a. Building ng surface. ers) of truss t 30 lb uplift at th the 2018 R502.11.1 a	ne; ed. ads. 0psf c. ; ; to t joint		~	B	STATE OF M SCOTT SEVI SEVI PE-20010 NUMI PE-20010	ER BER D18807

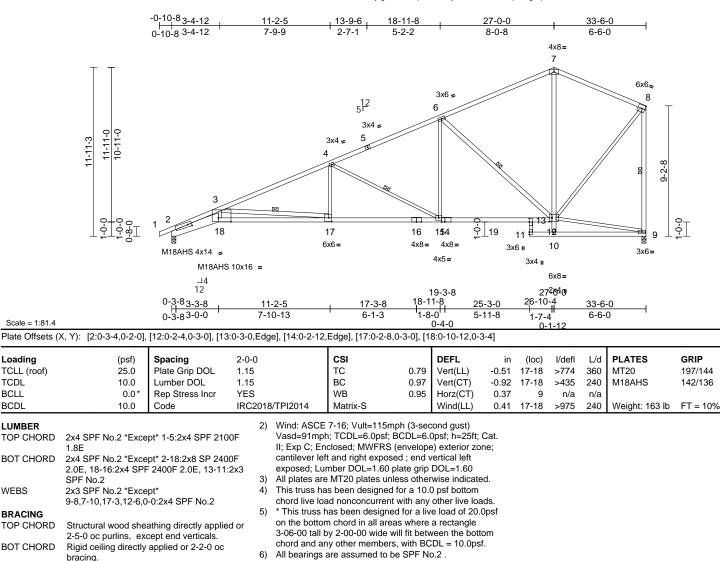


April 10,2024

Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	A10	Roof Special	3	1	Job Reference (optional)	164780427

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Tue Apr 09 09:18:03 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



WEBS 1 Row at midpt 8-9, 3-17, 6-12, 4-15 REACTIONS (size) 2=0-3-8, 9=0-3-8 Max Horiz 2=412 (LC 8) Max Uplift 2=-230 (LC 8), 9=-240 (LC 8) Max Grav 2=1622 (LC 2), 9=1588 (LC 2) FORCES (Ib) - Maximum Compression/Maximum Tension 1-2=0/9, 2-3=-7300/1502, 3-4=-3334/495, TOP CHORD 4-6=-2100/314, 6-7=-998/168, 7-8=-961/195, 8-9=-1512/266 BOT CHORD 2-18=-1783/6741, 17-18=-1646/6128, 15-17=-721/3036, 13-15=-415/1856 12-13=-378/1989, 11-13=-139/0, 10-11=-163/0, 9-10=-100/0 WEBS 3-18=-437/2145, 4-17=0/587, 6-15=-68/903, 10-12=0/365, 7-12=0/355, 3-17=-3106/929, 6-12=-1396/374, 8-12=-220/1292, 4-15=-1329/344, 9-12=0/108

### NOTES

Loading

TCDL

BCLL

BCDL

WEBS

BRACING

LUMBER

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

- 6) All bearings are assumed to be SPF No.2 . Bearing at joint(s) 2 considers parallel to grain value 7)
- using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. Provide mechanical connection (by others) of truss to
- bearing plate capable of withstanding 230 lb uplift at joint 2 and 240 lb uplift at joint 9. This truss is designed in accordance with the 2018
- International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. LOAD CASE(S) Standard

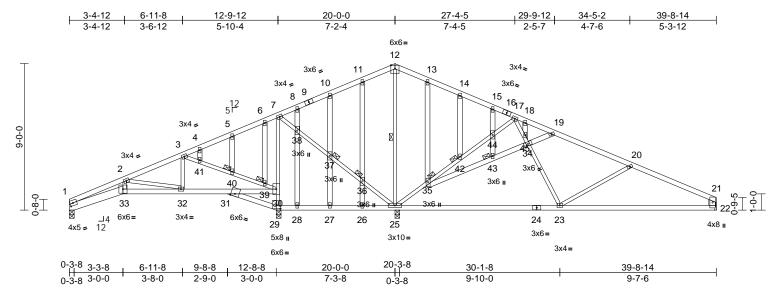


LEE'S' SUMMIT'S MISSOURI 06/03/2024 3:44:41

# 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 166 HT	
B240067	B1	Roof Special Structural Gable	1	1	Job Reference (optional)	164780428

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:03 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:70.8

### Plate Offsets (X, Y): [1:0-2-0,0-2-0], [29:0-3-0,0-2-8]

		1			r								
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	0.62	Vert(LL)	-0.15	23-25	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.69	Vert(CT)	-0.30	22-23	>770	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.65	Horz(CT)	0.03	29	n/a	n/a		
BCDL	10.0	Code	IRC2018	3/TPI2014	Matrix-S		Wind(LL)	0.07	26-27	>999	240	Weight: 202 lb	FT = 10%
LUMBER			10/1	EBS	2-33=-92/400, 29-	20- 741	/21/		0) Pot	for to gir	dor(c)	for truss to truss o	connections
TOP CHORD	2x4 SPF No.2		vv		2-33=-92/400, 29- 7-30=-528/275, 7-		,						llel to grain value
BOT CHORD		ept* 1-33:2x6 SPF No	2 ר		37-38=-470/298, 3		,					angle to grain for	
WEBS		ept* 22-21:2x6 SPF N			25-36=-479/304, 1							erify capacity of b	
WEBO	19-34,34-35:2x4 SF		10.2,		20-23=-350/187, 3								others) of truss to
OTHERS	2x4 SPF No.2			:	25-35=-1116/367,	35-42=-	655/147,		bea	aring pla	te capa	able of withstandi	ng 44 lb uplift at joint
BRACING					42-44=-644/136, 1	17-44=-6	89/150,		1, 1	198 lb up	olift at j	oint 29, 87 lb upli	ft at joint 22 and 431
TOP CHORD	Structural wood she	eathing directly applie	ed or		17-45=0/384, 34-4			Э,		iplift at jo			
	5-3-8 oc purlins, ex				3-41=-638/185, 40							ned in accordance	
BOT CHORD		y applied or 6-0-0 oc			39-40=-638/188, 3		,						ions R502.11.1 and
	bracing.				2-32=-733/265, 19		,					erenced standard	d ANSI/TPI 1.
WEBS	1 Row at midpt	12-25			35-43=-354/179, 3		,	7/60	LOAD	CASE(S	) Sta	ndard	
JOINTS	1 Brace at Jt(s): 35	,			11-36=-109/17, 26 27-37=-30/59, 8-3								
	36, 37, 39, 40, 42,				6-39=-19/17, 5-40			ю,					
	43				13-35=-197/78, 14	,	,	/42.					
REACTIONS		22= Mechanical,			43-44=-34/14, 18-			,					
		8, 29=0-3-8	NC	DTES	,								
	Max Horiz 1=154 (L				roof live loads hav	ve heen	considered fo	r					
	Max Uplift 1=-44 (L		,	this design.		to boom							
	25=-431 Max Grav 1=354 (L	(LC 9), 29=-198 (LC			7-16; Vult=115m	ph (3-seo	cond aust)						
		(LC 1), 22=555 (LC 2)		Vasd=91mpl	h; TCDL=6.0psf; E	SCDL=6.	0psf; h=25ft; (	Cat.					
FORCES		npression/Maximum	<b>L</b> 1)	II; Exp C; En	closed; MWFRS (	(envelope	e) exterior zor	ne;					
TORCES	Tension	npression/maximum			ft and right expose							000	ADD
TOP CHORD		=-219/187, 3-4=-71/5	24.		d; Lumber DOL=1							A OF M	MIC
		54/629, 6-7=-48/658,	3)		ned for wind loads							BIE	1050.0
		-56/867, 10-11=-31/8	95,		uds exposed to win						6	TATE OF M	N N
	11-12=-26/915, 12-	13=-31/902,			d Industry Gable E						B	S/ SCUI	
	13-14=-70/919, 14-	15=-86/868,	4)		alified building de 2x4 MT20 unles			11.			R	/ SEVI	ER \Y
	15-17=-90/803, 17-		4) 5)		spaced at 2-0-0 o		se muicaleu.						
	18-19=-179/189, 19		6)		as been designed		0 nsf bottom					the	SOM NON7
	20-21=-712/160, 21		0)		ad nonconcurrent			ds				NUM	
BOT CHORD	,	,	7)		has been designed						27		
	31-32=-157/179, 30		,		m chord in all area			•			N.	PE-2001	01880/ 018810
	29-31=-577/97, 28- 27-28=-523/87, 26-				oy 2-00-00 wide w			om			Y	1 Bal	1SH
	25-26=-523/87, 23-				ny other members							C'SSIONA	FN
	22-23=-102/587	20- 07/110,	8)		e assumed to be:			nt 29				<b>WNA</b>	L
				SPF No.2, J	Joint 25 SPF No.2	, Joint 2	2 SPF No.2 .					-un	

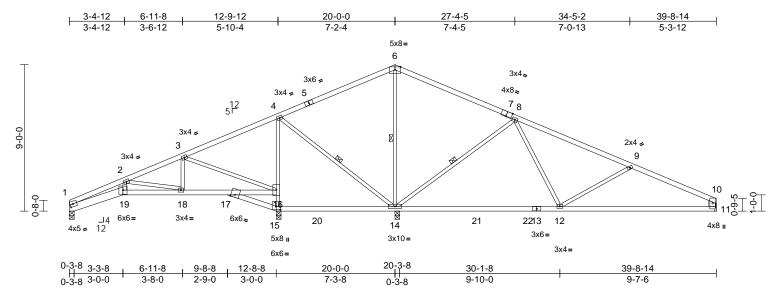
April 10,2024



RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELORMENT SERVICES LEE'S'SUMWITT MISSOURI 06/03/2024 3:44:41

Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	B2	Roof Special	3	1	Job Reference (optional)	164780429

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:03 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:70.8

### Plate Offsets (X, Y): [1:0-2-0,0-2-0], [7:0-4-0,Edge], [15:0-3-0,0-2-8]

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 IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.87 0.76 0.81	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	-0.44 0.02	(loc) 12-14 12-14 15 18-19	l/defl >866 >537 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 146 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS FORCES TOP CHORD BOT CHORD	2x4 SPF No.2 2x4 SPF No.2 *Exce 2x3 SPF No.2 *Exce Structural wood she 5-4-14 oc purlins, e Rigid ceiling directly bracing. 1 Row at midpt (size) 1=0-3-8, 1 14=0-3-8, Max Horiz 1=154 (LC Max Uplift 1=-38 (LC 14=2401 ( Max Grav 1=345 (LC 14=2211 ( (lb) - Maximum Com Tension 1-2=-1096/264, 2-3= 4-6=-75/991, 6-8=-9 9-10=-711/158, 10-1 1-19=-365/971, 18-1	ept* 1-19:2x6 SPF Ne pt* 11-10:2x6 SPF Ne athing directly applie xcept end verticals. applied or 6-0-0 oc 4-14, 6-14, 8-14 11= Mechanical, 15=0-3-8 C 12) r 8), 11=-78 (LC 9), LC 9), 15=-204 (LC 2), 11=545 (LC 2) (LC 2), 15=1060 (LC pression/Maximum e-188/198, 3-4=-84/7 8/991, 8-9=-378/46, 1=-424/123 9=-331/863,	2) 5.2 10.2 1d or 3) 4) 5) 6) 8) 7) 4), 23) 8)	Wind: ASCE Vasd=91mp II; Exp C; Er cantilever le right expose This truss ha chord live lo * This truss on the botto 3-06-00 tall II chord and a Bearings are SPF No.2, , Refer to girc Bearing at ji using ANSI/ designer she Provide mee bearing plate 1, 204 lb up Ib uplift at jo This truss is International	7-16; Vult=115mp h; TCDL=6.0psf; B iclosed; MWFRS (e it and right expose d; Lumber DOL=1. as been designed fad nonconcurrent has been designed m chord in all areas by 2-00-00 wide wi hy other members, assumed to be: J Joint 14 SPF No.2. er(s) for truss to tru- int(s) 1 considers j TPI 1 angle to grain puld verify capacity thanical connection e capable of withsts ift at joint 15, 460 ll	CDL=6. enveloped; end % 60 plate of a 10. with any I for a liv s where II fit betw with BC oint 1 S , Joint 1 uss com parallel n formul of bear h (by oth anding 3 b uplift a dance w sections	cond gust) cond gust) opps; h=25ft; a) exterior zo vertical left ar grip DOL=1 D psf bottom other live loze e load of 20. a rectangle veen the bott CDL = 10.0ps PF No.2, Joi 1 SPF No.2, Joi 1 SPF No.2, Joi 1 SPF No.2, Joi 1 SPF No.2, sections. to grain value a. Building ing surface. ers) of truss 18 lb uplift at it joint 14 and ith the 2018 s R502.11.1 at	Cat. ne; nd .60 ads. 0psf f. nt 15 c to joint 178					
WEBS	17-18=-167/149, 16- 15-17=-680/107, 14- 12-14=-65/101, 11-1 2-19=-84/399, 2-18= 15-16=-776/286, 4-1 4-14=-512/319, 6-14 8-14=-996/305, 8-12 3-16=-633/170, 3-18	.15=-607/93, 2=-104/601 731/264, 6=-579/352, I=-1153/184, 2=0/648, 9-12=-463/2		DAD CASE(S)	Standard					<b>(</b>		STATE OF M	AISSOLDE ER +

## NOTES

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

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April 10,2024

NUMB

PE-20010188

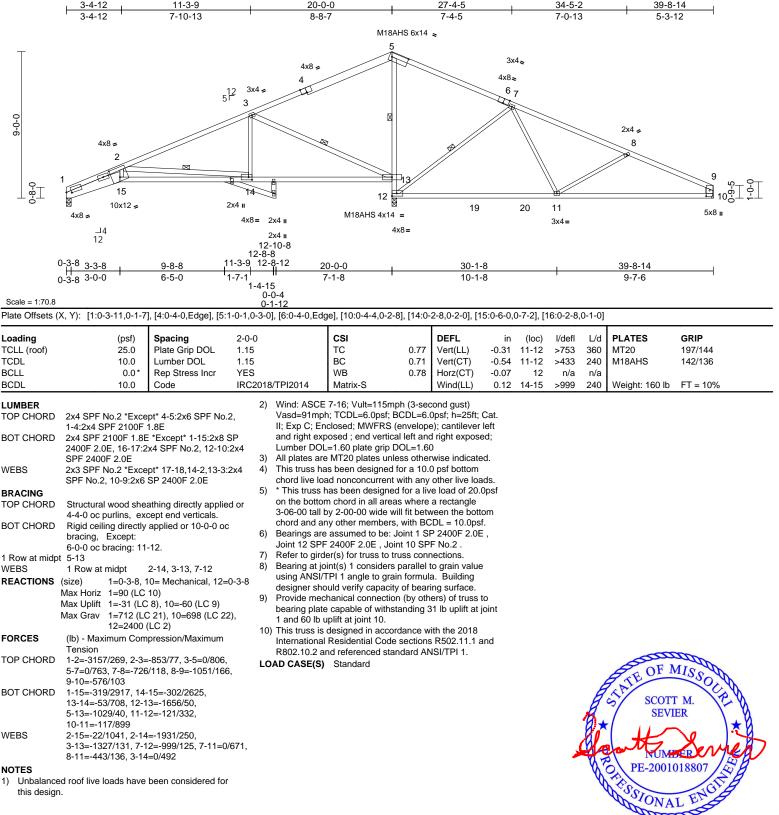
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Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	B3	Roof Special	2	1	Job Reference (optional)	164780430

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Tue Apr 09 09:18:04 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1 27-4-5 34-5-2 39-8-14 7-4-5 7-0-13 5-3-12



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Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	B4	Roof Special	1	1	Job Reference (optional)	164780431

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:04 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

14-1-14 20-0-0 4-6-11 8-1-10 27-4-5 34-5-2 39-8-14 -4-6-11 3-6-15 6-0-4 5-10-2 7-4-5 7-0-13 5-3-12 M18AHS 6x14 👟 6 4x8 🚅 3x6 **≈** 3x4 🚅 4 5 7 3x4 👟 12 5 8 4x8 🚽 0-0-6 3 2x4 🚽 3x4 🚅 9 2 10 0-8-∏ 11<sup>6-1</sup> Ģ 6 15 19 17 13 X 3x4= 18 20 21 12 6x8= 5x8 II 6x8= 5x12= 3x10= 3x4= 3x10= 2x4 II 20-0-0 30-1-8 39-8-14 4-6-11 8-3-6 14-1-14 4-6-11 3-8-11 5-10-8 5-10-2 10-1-8 9-7-6

Scale = 1:69

### Plate Offsets (X, Y): [5:0-4-0,Edge], [6:1-0-1,0-3-0], [11:0-4-4,0-2-8], [19:Edge,0-3-11]

		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	0.75	Vert(LL)	-0.31	12-13	>752	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.78	Vert(CT)	-0.54	12-13	>430	240	M18AHS	142/136
BCLL	0.0*	Rep Stress Incr	YES		WB	1.00	Horz(CT)	-0.10	13	n/a	n/a		
BCDL	10.0	Code	IRC2018	B/TPI2014	Matrix-S		Wind(LL)	0.09	12-13	>999	240	Weight: 155 lb	FT = 10%
LUMBER TOP CHORD       2x4 SPF No.2 *Except* 5-6:2x6 SPF No.2 BOT CHORD       2.0       Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; h=25ft; Cat.         BOT CHORD       2.v3 SPF No.2 *Except* 13-11:2x4 SPF 2400F 2.0E       11: Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; 11: Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; 11: Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; 11: Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left         BOT CHORD       Structural wood sheathing directly applied or 4-6-6 oc purtins, except end verticals.       3         BOT CHORD       Rigid ceiling directly applied or 4-6-6 oc b charcing: 14-15.       4         1 Row at midpt       6-14       6         WEBS       1 Row at midpt       4-14, 8-13 (size)       11= Mechanical, 13=0-3-8, Max Horiz       19=-03-8, Max Horiz         Max Upilit       11=5f (LC 2), 13=-220 (LC 2), 19==910 (LC 21)       11=77 (LC 8) Max Gira v11=7765 (LC 22), 13=-2200 (LC 2), 19==810 (LC 21)       9         FORCES       (lb) - Maximum Compression/Maximum Tension       (lb) - Maximum Compression/Maximum       9													
TOP CHORD		34, 8-9=-873/97, 19=-736/58,	85,	.,							A	TATE OF N	MISSOL
	18-19=-94/334, 17-1 3-16=0/449, 15-16=- 14-15=-44/485, 13-1 6-14=-765/5, 12-13= 11-12=-100/1018	-113/1337,  4=-1473/41,	οο,									S SCOT	
WEBS	1-18=-16/880, 4-15= 8-12=0/640, 9-12=-4 16-18=-92/1175, 8-1 2-16=-60/84, 3-15=-	418/138, 2-18=-327/8 3=-988/127,	,							•		PE-2001	18 B
NOTES												NºSIO-	ENUE
1) Unbalance	ed roof live loads have	been considered for										SIONA	LEL

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

April 10,2024

 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value for use only with with twit even connectors. This design is based only upon parameters shown, and is for an individual building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

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Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	B5	Roof Special	3	1	Job Reference (optional)	164780432

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:04 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

14-1-14 20-0-0 4-6-11 9-7-4 27-4-5 34-5-2 39-8-14 4-6-11 5-0-9 4-6-10 5-10-2 7-4-5 7-0-13 5-3-12 M18AHS 6x14 👟 6 4x5 ≠ 3x4 👟 4x8 🚅 4x8≈ 12 5 5 7 <sub>8</sub> 4 4x5 ≠ Ś 3 0-0-6 2x4 🍬 3x4 🚅 9 2 10 16 0-0-1 \_ ہے۔ 11 ¦12 0-8-0 2 15 19 17 13 X 3x4= 18 20 21 12 6x8= 5x8 II 6x8= 5x12= 4x8= 3x4= 3x10= 2x4 🛛 4-6-11 14-1-14 20-0-0 30-1-8 39-8-14 9-8-8 4-6-11 5-1-13 4-5-6 5-10-2 10-1-8 9-7-6

Scale = 1:69

Plate Offsets (X, Y):	: [4:0-4-0,Edge], [6:1-0-1,0-3-0], [7:0-4-0,Edge], [11:0-4-4,0-2-8], [19:Edge,0-3-11]	
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		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	0.74	Vert(LL)	-0.31	12-13	>751	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.78	Vert(CT)	-0.54	12-13	>431	240	M18AHS	142/136
BCLL	0.0*	Rep Stress Incr	YES		WB	0.77	Horz(CT)	-0.10	13	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI	2014	Matrix-S		Wind(LL)	0.09	12-13	>999	240	Weight: 157 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD 2x4 SPF No.2 *Except* 4-6:2x6 SPF No.2 ta3-11:2x4 SPF 2400F 2.0E2)Wind: ASCE 7-16; Vult=115mph (3-second gust) vasd=91mph; TDDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; Lumber DDL=1.6D plates grip DDL=1.60WEBS TOP CHORD C CHORDStructural wood sheathing directly applied or 4-6-6 oc purtins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing; Except: 14-15.2)Wind: ASCE 7-16; Vult=115mph (3-second gust) vasd=91mph; TDDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; Lumber DDL=1.6D plates unless otherwise indicated. 4BRACING TOP CHORDStructural wood sheathing directly applied or to-0 oc bracing; 14-15.3)All plates are MT20 plates unless otherwise indicated. 4BOT CHORD Regid ceiling directly applied or 10-0-0 oc bracing; 14-15.1-16 wet and inght exposed; tumber 10-2 -0 oc bracing; 14-15.3)This truss has been designed for a 10.0 psf. 6-0-0 oc bracing; 14-15.1 Row at midpt 6-145-14, 8-13 19=0-3-86)Bearings are assumed to be: Joint 11 SPF No.2, Joint 11 SPF 2400F 2.0E, Joint 11 SPF No.2.7)Refer to gidder(s) for truss to gring and accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANS/TPI 1.FORCES(lb) - Maximum Compression/Maximum Tension(b) - Maximum Compression/Maximum TensionTOP CHORD1-2-2-103/109, 3-5=-580/94.9													
TOP CHORD	1-2=-1405/73, 2-3=- 5-6=0/540, 6-8=0/52 9-10=-1175/146, 1-1 10-11=-619/94 18-19=-91/327, 17-1	29, 8-9=-874/97, 9=-742/56,	94,								Å	TATE OF M	AISSOL
	3-16=0/418, 15-16= 13-14=-1468/40, 6-1 12-13=-13/467, 11-1	-85/1071, 14-15=-50/ 4=-772/5, 2=-99/1019										SCOTT SEVI	IVI. VY V
WEBS	2-16=-242/29, 3-15= 5-14=-991/100, 8-13 9-12=-418/138, 1-18 16-18=-118/1198	8=-987/127, 8-12=0/6	40,								A.	PE-2001	018807 Z
NOTES 1) Unbalance this design	ed roof live loads have n.	been considered for									Y	ESSIONA	L ENGILE

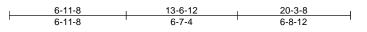
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

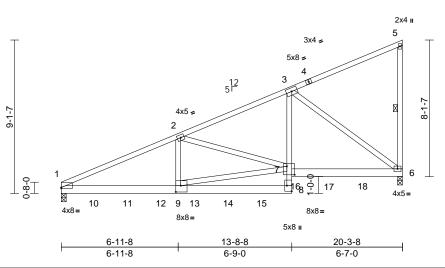


April 10,2024

Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	B6	Monopitch Girder	1	4	Job Reference (optional)	164780433

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:04 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f





### Scale = 1:68.5

Plate Offsets (X, Y): [1:Edge,0-0-10], [7:0-5-8,0-6-0], [8:Edge,0-3-8], [9:0-3-8,0-4-8]

		, , , , , , , , , ,	- <b>J</b> - ,	1, 1, , -	-,															
Loading	(psf)	Spacing	2-0-0		CSI	0.75	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP							
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.79	Vert(LL)	-0.14	1-9	>999	360	MT20	197/144							
TCDL	10.0	Lumber DOL	1.15		BC	0.97	Vert(CT)	-0.24	8-9	>999	240									
BCLL	0.0*	Rep Stress Incr	NO		WB	0.88	Horz(CT)	0.06	6	n/a	n/a		FT 400/							
BCDL	10.0	Code	IRC201	3/TPI2014	Matrix-S		Wind(LL)	0.07	1-9	>999	240	Weight: 443 lb	FI = 10%							
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	<ul> <li>1.8E</li> <li>2x6 SP 2400F 2.0E</li> <li>No.2, 7-6:2x6 SPF N 2x4 SPF No.2</li> <li>Structural wood sheat 6-0-0 oc purlins, ext</li> <li>Rigid ceiling directly bracing.</li> <li>1 Row at midpt</li> </ul>	* *Except* 8-3:2x4 SPF lo.2 athing directly applied cept end verticals. applied or 10-0-0 oc 5-6	<del>.</del> 3)	except if not CASE(S) see provided to c unless other Wind: ASCE Vasd=91mpl II; Exp C; En and right exp Lumber DOL This truss ha chord live loo * This truss h	considered equa ed as front (F) or ction. Ply to ply co distribute only load wise indicated. 7-16; Vult=115m h; TCDL=6.0psf; I closed; MWFRS oosed; end vertic .=1.60 plate grip I is been designed ad nonconcurrent nas been designed	back (B) pnnection ds noted ph (3-sec BCDL=6. (envelope al left and DOL=1.60 for a 10. with any d for a liv	face in the LC s have been as (F) or (B), cond gust) Dpsf; h=25ft; e); cantilever d right expose D psf bottom other live loa e load of 20.0	Cat. left ed; ads.		12=-14	=-833 (I 60 (B),	B), 10=-1456 (B),	4=-1460 (B), 15=-1456							
FORCES	3-5=-214/59, 5-6=-18	C 8), 6=-389 (LC 8) .C 16), 6=7698 (LC 1) pression/Maximum =-8383/442, 80/52	8)	<ul> <li>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>6) All bearings are assumed to be SPF No.2.</li> <li>7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 389 lb uplift at joint 6 and 452 lb uplift at joint 1.</li> <li>8) This truss is designed in accordance with the 2018</li> </ul>																
BOT CHORD	3-7=-385/8539, 6-7=	9=-44/902, 7-8=-29/1922,	9=-44/902, 7-8=-29/1922,	-437/7812	-437/7812	=-437/7812		=-437/7812	=-437/7812	922,		Residential Code nd referenced sta			and					
WEBS	2-9=-85/4563, 7-9=- 2-7=-6279/279, 3-6=	,	9)		other connection			798				- Contraction	alle							
NOTES					231 lb up at 1-11							OF OF 1	MISS							
(0.131"x3 Top chord oc. Bottom ch staggered Web conr Attach BC	s to be connected toget ") nails as follows: ds connected as follows hords connected as follow d at 0-4-0 oc, 2x4 - 1 ro nected as follows: 2x4 - C w/ 1/2" diam. bolts (AS	:: 2x4 - 1 row at 0-6-0 ows: 2x6 - 3 rows w at 0-9-0 oc. 1 row at 0-9-0 oc. STM A-307) in the		1688 lb down 51 lb up at 9 11-11-4, 116 down and 32 lb up at 17-7 20-1-12 on b	I-4, 1812 lb down n and 51 lb up at 3-11-4, 1710 lb dc 51 lb down and 15 2 lb up at 15-11-4 11-4, and 1003 lb oottom chord. The levice(s) is the res Standard	7-11-4, 1 own and 7 55 lb up a 4, and 999 down an e design/9	688 lb down 1 lb up at t 13-11-4, 99 5 lb down and d 28 lb up at selection of s	and 95 lb d 32		-		SCOT SEVI	ter ter ter							

LOAD CASE(S) Standard 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-5=-70, 1-8=-20, 6-7=-20

April 10,2024

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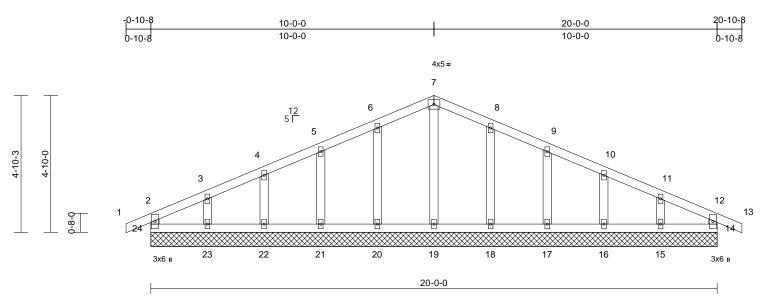
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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual 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 collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSITPTI Quality Criteria, and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)



Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	C1	Common Supported Gable	1	1	Job Reference (optional)	164780434

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:04 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:40.7

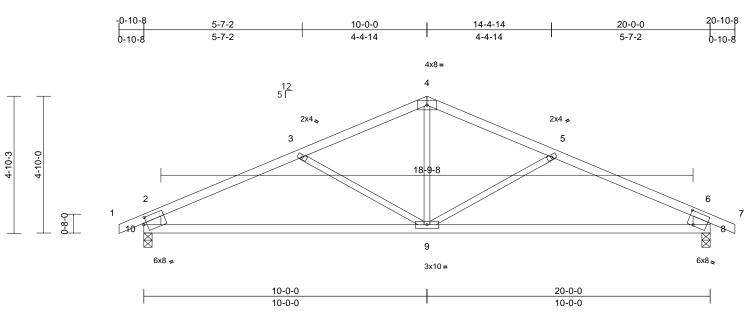
Loading TCLL (roof)		(psf) 25.0	<b>Spacing</b> Plate Grip DOL	2-0-0 1.15		CSI TC	0.07	DEFL Vert(LL)	in n/a	(loc) -	l/defl n/a	L/d 999	PLATES MT20	<b>GRIP</b> 197/144
TCDL		10.0	Lumber DOL	1.15		BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL		0.0*	Rep Stress Incr	YES		WB	0.05	Horz(CT)	0.00	14	n/a	n/a		
BCDL		10.0	Code	IRC201	8/TPI2014	Matrix-R							Weight: 75 lb	FT = 10%
LUMBER				N	DTES									
TOP CHORD	2x4 SPF No	o.2		1)	Unbalanced	roof live loads h	ave been	considered fo	r					
BOT CHORD	2x4 SPF No	o.2			this design.									
WEBS	2x4 SPF No	o.2		2)		7-16; Vult=115r	•	0 /						
OTHERS	2x4 SPF No	o.2				n; TCDL=6.0psf;								
BRACING						closed; MWFRS								
TOP CHORD	Structural w	vood shea	athing directly applied	or		t and right expos								
			cept end verticals.	2)		d; Lumber DOL=								
BOT CHORD		g directly	applied or 6-0-0 oc	3)		ned for wind load								
	bracing.					d Industry Gable								
REACTIONS			, 15=20-0-0, 16=20-0			alified building o								
			, 18=20-0-0, 19=20-0	· 41		2x4 MT20 unle	0							
			, 21=20-0-0, 22=20-0	<sup>-0,</sup> 5)		es continuous bo								
	Max Horiz 2		, 24=20-0-0	6)	Truss to be f	ully sheathed fro	om one fac	e or securely	,					
			C 5), 15=-60 (LC 9),		braced again	ist lateral mover	nent (i.e. c	liagonal web)						
		· · ·	C 9), 17=-49 (LC 9),	7)		spaced at 2-0-0								
			C 9), 20=-51 (LC 8),	8)		s been designed								
		· · ·	C 8), 22=-43 (LC 8),	-		ad nonconcurren								
			C 8), 24=-31 (LC 4)	9)		as been design			Jpst					
			C 22), 15=165 (LC 1)			n chord in all are by 2-00-00 wide		0	<b>~</b> m					
			C 22), 17=177 (LC 1)			y other member		veen the bott	JIII					
			C 22), 19=168 (LC 1)			are assumed to		0.2						
			C 21), 21=177 (LC 1)	, 11		hanical connecti			0					
			C 21), 23=165 (LC 1)	,		capable of with							SIL	alle alle
FORCES	(lb) - Maxim	24=161 (L num Com	pression/Maximum		· ·	ft at joint 14, 51 21, 43 lb uplift a							THE OF I	MISSO
	Tension					ft at joint 18, 49						E	AN IN	N N
TOP CHORD			/27, 2-3=-64/49,			16 and 60 lb upl						B	SCOT	$\Gamma M. \qquad ( \sim V)$
	,		81, 5-6=-26/102,	12	) This truss is	designed in acc	ordance w	ith the 2018				R	SEVI	ER \ Y
			)/116, 8-9=-26/83, -27/44, 11-12=-48/33,			Residential Coc			ind			2 1	1	1 * 1
	12-13=0/27					nd referenced st	andard AN	ISI/TPI 1.				80	4	0
BOT CHORD		,	=-10/58, 21-22=-10/58	<sub>R</sub> LC	DAD CASE(S)	Standard						KA A	kou/	SIMM
Bot offorte		,	=-10/58, 18-19=-10/58	,								The second	DE 2001	ALANDE AND
		,	=-10/58, 15-16=-10/58	- /								N.	PE-2001	01880/ 2018
	14-15=-10/5											Y	N Pa	154
WEBS	7-19=-128/0	), 6-20=-´	151/75, 5-21=-137/72,										SION	TEN
		,	-126/82, 8-18=-151/74	,									SIONA	
	9-17=-137/7	72, 10-16	=-144/70, 11-15=-126	5/78									alla	55
													Apri	l 10,2024

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 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 OR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S'SUMMIT'S MISSOURI 06/03/2024 3:44:42

Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	C2	Common	1	1	Job Reference (optional)	164780435

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:04 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:40.7

### Plate Offsets (X, Y): [8:0-2-10,0-5-10], [10:0-1-5,0-2-13]

	(, , , ): [ele = lete e :	oj, [1010 1 0,0 ± 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	TC	0.84	Vert(LL)	-0.17	9-10	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.36	9-10	>642	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.07	9	>999	240	Weight: 63 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS		pt* 10-2,8-6:2x8 SP	bearing pla 10 and 139 7) This truss i	chanical connectio te capable of withs Ib uplift at joint 8. s designed in accor al Residential Code	tanding 1 rdance w	39 Ib uplift at ith the 2018	t joint					
BRACING	2400F 2.0E			and referenced star								
TOP CHORD	Structural wood shea	athing directly applie										
TOP CHORD	3-4-15 oc purlins, ex			, otandara								
BOT CHORD	Rigid ceiling directly bracing.		2									
REACTIONS	(size) 8=0-3-8, 1 Max Horiz 10=63 (LC Max Uplift 8=-139 (L Max Grav 8=955 (LC	C 12) C 9), 10=-139 (LC 8)	)									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD		-1412/214, 6-7=0/32	,									
BOT CHORD WEBS	9-10=-192/1208, 8-9 4-9=0/473, 5-9=-317											
NOTES												
	ed roof live loads have	been considered for	r									The
Vasd=91m II; Exp C; I cantilever right expos	n. CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (en left and right exposed sed; Lumber DOL=1.60 has been designed for	DL=6.0psf; h=25ft; C ivelope) exterior zon ; end vertical left and 0 plate grip DOL=1.6	ne; d								STATE OF M	MISSOUR ER ER

- 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 .



DEVELORMENT: SERVICES LEE'S'SUMMIT'SMISSOURI 06/03/2024 3:44:42

Page: 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)

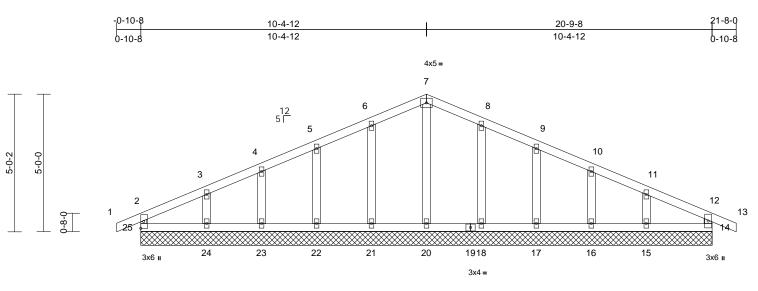
Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	D1	Common Supported Gable	1	1	Job Reference (optional)	164780436

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:04 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

April 10,2024

DEVELORMENT: SERVICES LEE'S'SUMMIT'SMISSOURI 06/03/2024 3:44:42

TION IEW



20-9-8

Scale	=	1:41	.9

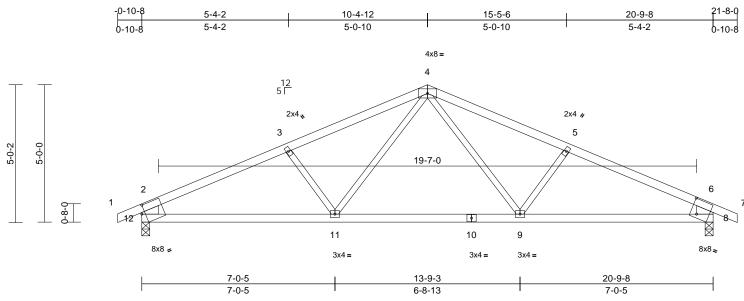
Loading	(p	sf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25	.0	Plate Grip DOL	1.15		TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10	0.0	Lumber DOL	1.15		BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	(	.0*	Rep Stress Incr	YES		WB	0.05	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10	0.0	Code	IRC2	018/TPI2014	Matrix-R							Weight: 79 lb	FT = 10%
LUMBER					WEBS	7-20=-121/0, 6-2	21=-151/74	5-22=-139	73					
TOP CHORD	2x4 SPF No.2					4-23=-138/66, 3-								
BOT CHORD	2x4 SPF No.2					9-17=-139/73, 10								
WEBS		Excep	ot* 14-12:2x4 SPF		NOTES									
	2400F 2.0E					d roof live loads h	ave been	considered fo	or					
OTHERS	2x4 SPF No.2				this design.									
BRACING						E 7-16; Vult=115r	nph (3-se	cond qust)						
TOP CHORD	Structural woo	d sheat	thing directly applied	d or	Vasd=91m	oh; TCDL=6.0psf;	BCDL=6.	0psf; h=25ft;	Cat.					
			ept end verticals.		II; Exp C; E	nclosed; MWFRS	6 (envelop	e) exterior zo	ne;					
BOT CHORD	Rigid ceiling di bracing.	ectly a	applied or 10-0-0 oc			eft and right expo ed; Lumber DOL=								
REACTIONS	0	20-9-8.	15=20-9-8, 16=20-9	9-8.		gned for wind loa								
	17=2	20-9-8,	18=20-9-8, 20=20-9	9-8,		tuds exposed to v								
	21=2	20-9-8,	22=20-9-8, 23=20-9	9-8,		rd Industry Gable								
	24=2	20-9-8,	25=20-9-8			ualified building o								
	Max Horiz 25=6	`	,			re 2x4 MT20 unle								
		``	C 5), 15=-66 (LC 9),			ires continuous b								
			2 9), 17=-49 (LC 9),			fully sheathed fro								
			2 9), 21=-50 (LC 8),			inst lateral mover s spaced at 2-0-0		liagonal web	).					
			28), 23=-41 (LC 8),			as been designe		0 nef bottom						
			28), 25=-32 (LC 4)			bad nonconcurrer			ade					
			C 1), 15=192 (LC 22 C 1), 17=179 (LC 1),			has been design								
			C 22), 20=161 (LC 1),			om chord in all are			opo.					
			C 21), 22=179 (LC 1			by 2-00-00 wide			tom					
			C 21), 24=197 (LC 2		chord and a	any other member	rs.						and	all
		75 (LC		,,	10) All bearings	are assumed to	be SPF N	0.2 .					A OF	MISS
FORCES			pression/Maximum			chanical connecti						1	ATE OF J	- SOLA
1011020	Tension	Comp				te capable of with						8	SCOT	TM XPN
TOP CHORD	2-25=-155/46,	1-2=0/2	26. 2-3=-71/49.			olift at joint 14, 50						R	SEV	
			37, 5-6=-34/109,			t 22, 41 lb uplift a						0	SEV.	
	6-7=-37/129, 7	8=-37/	/122, 8-9=-34/94,			olift at joint 18, 49			b					
	9-10=-35/72, 1	)-11=-3	35/52, 11-12=-59/36	б,		t 16 and 66 lb up						K)	cott.	Server
	12-13=0/27, 12					s designed in acc al Residential Coc			and		-	4-	NUM	BER A
BOT CHORD			8/58, 22-23=-8/58,			and referenced st			anu			127	PE-2001	
	,		8/58, 18-20=-8/58,		LOAD CASE(S		anuaru Al	NOI/ IFT 1.				N	The second secon	
	,	5-17=-8	8/58, 15-16=-8/58,		LUAD CASE(S	j Stanuaru						Y	ESSIONA	SO B
	14-15=-8/58												UN ONIA	LENA
													Car	The second secon
														il 10 2024

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Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	D2	Common	4	1	Job Reference (optional)	164780437

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:05 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

# :05 Page: 1



Scale = 1:41.9

### Plate Offsets (X, Y): [8:0-2-13,0-6-6], [12:0-1-8,0-3-9]

- 1010 0110010 (	(,,, ,). [0:0 2 :0;0 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	0.91	Vert(LL)	-0.16	9-11	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.63	Vert(CT)	-0.30	9-11	>811	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.14	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code	IRC2018	3/TPI2014	Matrix-S		Wind(LL)	0.10	9-11	>999	240	Weight: 67 lb	FT = 10%
LUMBER			6)	Provide mer	hanical connectio	n (hy oth	ers) of truss	to					
TOP CHORD	2x4 SPF No.2		0)		e capable of withs								
BOT CHORD					b uplift at joint 8.			.,					
WEBS	2x3 SPF No.2 *Exce	ept* 12-2.8-6:2x8 SF	7)	This truss is	designed in acco	rdance w	ith the 2018						
	2400F 2.0E			Internationa	Residential Code	e sections	s R502.11.1 a	and					
BRACING				R802.10.2 a	nd referenced sta	ndard AN	ISI/TPI 1.						
TOP CHORD	Structural wood she	athing directly applie	ed or LO	DAD CASE(S)	Standard								
	2-2-0 oc purlins, ex												
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	C										
	bracing.												
REACTIONS	(size) 8=0-3-8, 2	12=0-3-8											
	Max Horiz 12=66 (LC	C 12)											
	Max Uplift 8=-143 (L	.C 9), 12=-143 (LC 8	5)										
	Max Grav 8=991 (L0	C 1), 12=991 (LC 1)											
FORCES	(lb) - Maximum Com	pression/Maximum											
	Tension												
TOP CHORD													
	4-5=-1332/196, 5-6=		2,										
	2-12=-900/177, 6-8=												
BOT CHORD		-11=-54/975,											
	8-9=-129/1312	CO/47C 4 44 70/40	22										
WEBS	4-9=-70/403, 5-9=-2 3-11=-260/176	60/176, 4-11=-70/40	)3,										
NOTES	3-11=-200/170												TOP
NOTES	ad reaf live leads have	heen considered fo	-									STATE OF I	MISSIN
this design	ed roof live loads have	been considered to	ſ								- 1	F. TE	-0.0 M
0	n. CE 7-16; Vult=115mph	(3-second quet)									a	N	N S
	nph; TCDL=6.0psf; BC		Cat								H	SCOT	TM. YE V
	Enclosed; MWFRS (er										9	SEV	ER \ Υλ
	left and right exposed										12 1		• \ <b>★</b> ½
right expo	sed; Lumber DOL=1.6	0 plate grip DOL=1.	60								X	atts	Xeran

- 3) This truss has been designed for a 10.0 psf bottom 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 .

April 10,2024

E

NUMBER

PE-200101880

SSIONAL

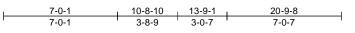
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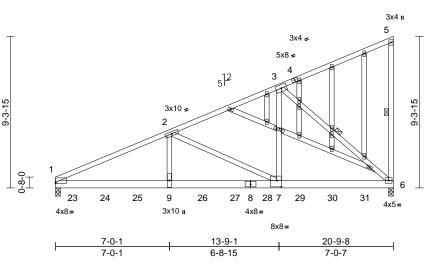
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPH Claulity Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELORIMENTS SERVICES LEE'S'SUMMIT'S MISSOURI 06/03/2024 3:44:42

Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	D3	GABLE	1	2	Job Reference (optional)	164780438

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:05 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





### Scale = 1:70.9 Plate Offsets (X, Y): [1:Edge,0-0-14], [7:0-3-8,0-4-12], [11:0-1-13,0-1-0]

CASE(S) section. Ply to ply connections have been

provided to distribute only loads noted as (F) or (B),

unless otherwise indicated.

	(X, T). [1.Euge,0 0 14	], [1.0 0 0,0 1 1 <b>∠</b> ], [1	11.0 1 10,0	, , ,		_							
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.76	Vert(LL)	-0.11	6-7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.58	Vert(CT)	-0.19	6-7	>999	240		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.70	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S		Wind(LL)	0.08	1-9	>999	240	Weight: 265 lb	FT = 10%
LUMBER TOP CHORE BOT CHORE WEBS OTHERS BRACING TOP CHORE BOT CHORE WEBS REACTIONS	<ul> <li>1.8E</li> <li>2x6 SP 2400F 2.0E</li> <li>2x4 SPF No.2</li> <li>2x4 SPF No.2</li> <li>Structural wood sheat</li> <li>5-8-7 oc purlins, exit</li> <li>Rigid ceiling directly bracing.</li> <li>1 Row at midpt</li> </ul>	athing directly applic cept end verticals. applied or 10-0-0 or 5-6, 3-6 ≒=0-3-8 5 22) C 8), 6=-545 (LC 8)	4) ed or c 5) 6) 7) 8)	Vasd=91mpi II; Exp C; Er cantilever leil right expose Truss desig only. For stu see Standar or consult qu All plates are Gable studs This truss ha chord live loo * This truss h on the bottoo 3-06-00 tall h	7-16; Vult=115m h; TCDL=6.0psf; E iclosed; MWFRS ( ft and right expose d; Lumber DOL=1 ned for wind loads uds exposed to wi d Industry Gable E ialified building de e 2x4 MT20 unles: spaced at 2-0-0 o as been designed ad nonconcurrent has been designed m chord in all area by 2-00-00 wide w hy other members?	CDL=6. (enveloped; end to 1.60 plates s in the p nd (norm End Detates s otherwise. for a 10. with any d for a liv as where vill fit betw	Opsf; h=25ft; a) exterior zo vertical left ar grip DOL=1. lane of the tr al to the face ils as applicas s per ANSI/T se indicated. 0 psf bottom other live loa a rectangle	ne; nd .60 uss s), ible, PI 1. PI 1. ads. 0psf	Co	oncentra Vert: 9= (B), 26=	5=-70, ited Lo: -497 (I -657 (I	1-6=-20 ads (lb) 3), 23=-516 (B), 2	24=-497 (B), 25=-497 28=-703 (B), 29=-703
FORCES	,		10	All bearings ) Provide mec bearing plate	are assumed to b hanical connectio capable of withs	e SPF N n (by oth	ers) of truss						
BOT CHORD	5-6=-197/78 1-9=-931/6306, 7-9= 6-7=-447/3712	-931/6306,	11	) This truss is	uplift at joint 1. designed in accor Residential Code			and					
WEBS	2-9=-235/2323, 2-7= 3-7=-403/4435, 3-6=		12		nd referenced sta							A STORE	and
NOTES					ficient to support of							E.F. OF I	AISSO
(0.131"x3 Top chor oc. Bottom c staggere Web con 2) All loads	ss to be connected toget ") nails as follows: ds connected as follows: hords connected as follows hords connected as follows: at 0-9-0 oc. nected as follows: 2x4 - are considered equally noted as front (F) or bac	:: 2x4 - 1 row at 0-9- ows: 2x6 - 2 rows 1 row at 0-9-0 oc. applied to all plies,		up at 3-0-12 lb down and up at 9-0-12 lb down and up at 15-0-1 17-0-12, and bottom chore device(s) is t	99 lb up at 1-0-1. 2, 564 lb down and 90 lb up at 7-0-1. 2, 734 lb down and 63 lb up at 13-0- 2, and 806 lb down 806 lb down and d. The design/sel- the responsibility of	d 90 lb up 2, 734 lb d 72 lb up 12, 806 l vn and 6 l 62 lb up ection of	at 5-0-12, 5 down and 72 at 11-0-12, b down and 6 2 lb up at at 19-0-12 o such connec	564 2 lb 806 52 lb 50				STE OF I SEVI	ER Sentes

13) Studding applied to ply: 1(Front)

### LOAD CASE(S) Standard

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

April 10,2024

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Page: 1

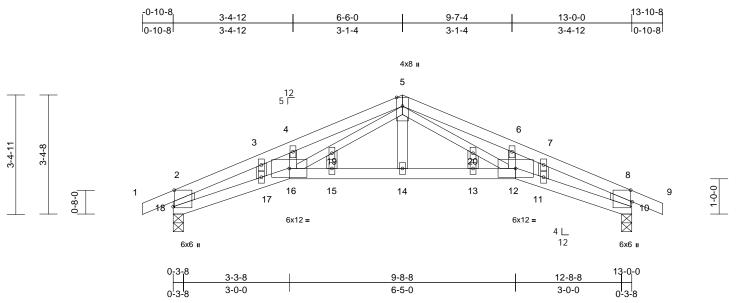
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	E1	GABLE	1	1	Job Reference (optional)	164780439

### Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:05 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:32.7

## Plate Offsets (X, Y): [10:0-3-15,Edge], [18:0-5-10,Edge]

													-
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/	TPI2014	<b>CSI</b> TC BC WB Matrix-S	0.81 0.69 0.24	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.13 -0.24 0.17 0.08	(loc) 13 13 10 15-16	l/defl >999 >630 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 47 lb	<b>GRIP</b> 197/144 FT = 10%
FORCES TOP CHORD BOT CHORD WEBS	2x4 SPF No.2 2x3 SPF No.2 *Exce 2400F 2.0E 2x4 SPF No.2 Structural wood she 3-2-15 oc purlins, e Rigid ceiling directly bracing. (size) 10=0-3-8, Max Horiz 18=38 (LC Max Uplift 10=-99 (L Max Grav 10=640 (L (Ib) - Maximum Com Tension 1-2=0/32, 2-3=-1417 4-5=-1301/233, 5-6= 6-7=-1319/142, 7-8= 2-18=-899/146, 8-10 17-18=-155/1229, 11 15-16=-33/902, 14-1 13-14=-32/907, 12-1 11-12=-81/1206, 100 5-20=-139/414, 12-2 6-12=-71/92, 16-19=	applied or 10-0-0 oc 18=0-3-8 C 8) C 9), 18=-98 (LC 8) .C 1), 18=640 (LC 1) apression/Maximum 7/166, 3-4=-1316/175 -1301/202, 1422/132, 8-9=0/32 )=-901/128 6-17=-150/1202, 15=-33/902, .11=-85/1234 20=-134/384, 5=-78/86, 5-14=0/213 -0/102, 13-20=-9/60,	9) 10) , 11) , 12) LOA	only. For sit see Standard or consult qu All plates are gable studs This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar All bearings 1 bearing at jo value using <i>J</i> designer sho Provide mec bearing plate 18 and 99 lb This truss is International	hed for wind loads ids exposed to win d Industry Gable E lalified building des 2 x4 MT20 unless ully sheathed from sis lateral moveme spaced at 2-0-0 of is been designed fad nonconcurrent as been designed n chord in all area by 2-00-00 wide wi y other members. are assumed to be int(s) 18, 10 consi ANSI/TPI 1 angle to uld verify capacity hanical connectior e capable of withst uplift at joint 10. designed in accorr Residential Code nd referenced star Standard	nd (norm ind Deta signer as otherwin one factor or a tope factor for a 10. with any d for a live s where s where e SPF N ders parto ders parto of bear n (by oth anding s dance w sections	al to the face ils as applica s per ANSI/T. se indicated. the or securely liagonal web 0 psf bottom other live loa e load of 20. a rectangle ween the bott 0.2. allel to grain ormula. Buil ing surface. ers) of truss 08 lb uplift at ith the 2018 s R502.11.1 a	e), able, PI 1. y ). ads. Opsf tom Iding to				SCOT SEV	ER Serter
this desigr 2) Wind: ASC		(3-second gust)	at.								N.	PE-2001	

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

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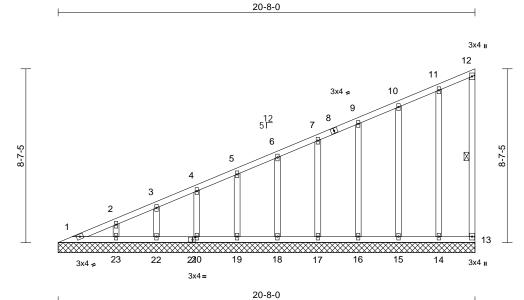
April 10,2024

SSIONAL

Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	V1	Valley	1	1	Job Reference (optional)	164780440

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:05 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:57.1

Plate Offsets (X, Y): [21:0-1-8,0-1-8]

		-		1	-	· · · ·						
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.30	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	0.14	Horiz(TL)	0.00	13	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 98 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SPF No.2 2x4 SPF No.2 2x4 SPF No.2 2x4 SPF No.2 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. 1 Row at midpt (size) 1=20-8-0 15=20-8- 18=20-8- 22=20-8 Max Horiz 1=360 (L 15=-44 (l 17=-47 (l 19=-48 (l 22=-45 (l Max Grav 1=131 (L 14=177 ( 16=180 ( 18=180 ( 23=214 (l))))	y applied or 10-0-0 oc 12-13 0, 13=20-8-0, 14=20-8 0, 16=20-8-0, 17=20-0 0, 19=20-8-0, 20=20-0 0, 23=20-8-0 C 5) LC 7), 14=-51 (LC 8), LC 8), 18=-48 (LC 8), LC 8), 20=-48 (LC 8), LC 8), 20=-48 (LC 8), LC 8), 23=-57 (LC 8) C 16), 13=59 (LC 1), LC 1), 15=182 (LC 1), LC 1), 19=179 (LC 1), LC 1), 22=171 (LC 1), LC 1), 22=171 (LC 1),	Vasd=91m d or II; Exp C; E cantilever I right expos 2) Truss desi only. For s see Standa 8-0, 3) All plates a 4) Gable stud 5) Gable stud 6) This truss I chord live I 7) * This truss on the botto 3-06-00 tail chord and a 3. All bearing 9) Provide me bearing pla 13, 57 lb uj uplift at joir 18, 47 lb uj	2-23=-161/81, 3-2 5-19=-140/72, 6- 9-16=-140/70, 10 E 7-16; Vult=115rr ph; TCDL=6.0psf; inclosed; MWFRS eft and right expose ed; Lumber DOL= gned for wind load tuds exposed to wind load tuds exposed to wind load tuds exposed to wind qualified building dr re 2x4 MT20 unles ires continuous bo is spaced at 2-0-0 is spaced at 2-0-0 is as been designed or nonconcurrent is as assumed to be chanical connection te capable of withs biff at joint 23, 45 I tt 20, 48 Ib uplift at bliff at joint 17, 50 I tt 15 and 51 Ib upli	18=-140/7 h-15=-142 hph (3-see BCDL=6. (envelopy led; end v 1.60 plate ls in the p rind (norm End Deta esigner a: ss otherwist toton chor oc. f or a 10. t with any d for a liv as where will fit betw s. De SPF N- on (by oth standing 4 b uplift at joint 19. b uplift at	<ul> <li>72, 7-17=-14( /81, 11-14=-1</li> <li>cond gust)</li> <li>Oppsf; h=25ft;</li> <li>e) exterior zo</li> <li>vertical left ar</li> <li>grip DOL=1</li> <li>lane of the tr</li> <li>is as applica</li> <li>s per ANSI/T</li> <li>se indicated.</li> <li>d bearing.</li> <li>O psf bottom</li> <li>other live load</li> <li>e load of 20.</li> <li>a rectangle</li> <li>veen the bott</li> <li>o.2.</li> <li>ers) of truss</li> <li>to lb uplift at</li> <li>joint 22, 48 1</li> <li>joint 16, 44 1</li> </ul>	0/72, 137/83 Cat. one; ond .60 uss bable, PI 1.				STATE OF SCOT	
TOP CHORD	4-5=-233/26, 5-6=-2	281/28, 3-4=-257/27, 208/27, 6-7=-194/27, -166/39, 10-11=-156/6 13=-46/36	10) This truss i Internation	s designed in acco al Residential Code and referenced sta	ordance w e sections	ith the 2018 s R502.11.1 a	and		>	R.		. louis
BOT CHORD		3=-117/89, 20-22=-11 19=-117/89, 17=-117/89,	7/89,							A.	PE-2001	L ENGINE

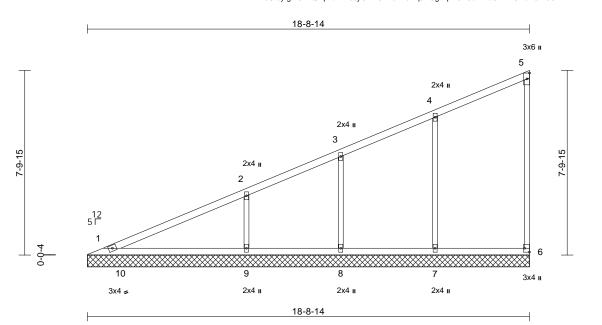
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Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	V2	Valley	1	1	Job Reference (optional)	164780441

Run: 8,73 S Mar 21 2024 Print: 8,730 S Mar 21 2024 MiTek Industries. Inc. Tue Apr 09 09:18:05 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:48.8

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

	(X, T). [0.Euge,0 2 0]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI	CSI TC BC WB 12014 Matri	0.51 0.27 0.27 x-S	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 6	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 59 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 Structural wood she 6-0-0 cc purlins, ex Rigid ceiling directly bracing. (size) 1=18-8-14 8=18-8-14 Max Horiz 1=327 (LC Max Uplift 6=-38 (LC (LC 8), 9= Max Grav 1=255 (LC	athing directly applie cept end verticals. applied or 10-0-0 or 4, 6=18-8-14, 7=18-8 4, 9=18-8-14 5) 5), 7=-110 (LC 8), 8 -149 (LC 8)	5) Thi chu 6) * T on 3-0 chu 8) Pro c bea 6, 7 41 8) Pro bea 6, 7 9) Thi Intu 88 8=-74 <b>LOAD</b>	is truss has beer ord live load nom his truss has bee the bottom chord 6-00 tall by 2-00 ord and any othe bearings are as yoide mechanica aring plate capat 110 lb uplift at joi ift at joint 9. is truss is design ernational Reside	a designed for a 10. concurrent with any en designed for a li d in all areas where -00 wide will fit betw r members, with BC sumed to be SPF N lo connection (by oth ble of withstanding 3 nt 7, 74 lb uplift at j ed in accordance w ential Code sections renced standard At	other live load e load of 20.0 a rectangle veen the bottoo DL = 10.0psf. 0.2. ers) of truss to 8 lb uplift at jo oint 8 and 149 ith the 2018 s R502.11.1 ar	psf m o int Ib					
Vasd=91n II; Exp C; cantilever right expo 2) Truss des	4-5=-141/67, 5-6=-1 1-9=-106/80, 8-9=-1 6-7=-106/80 4-7=-320/142, 3-8=- CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed left and right exposed sed; Lumber DOL=1.6 signed for wind loads in	99/36, 3-4=-173/58, 07/42 06/80, 7-8=-106/80, 223/122, 2-9=-421/2 (3-second gust) DL=6.0psf; h=25ft; ( nvelope) exterior zor ; end vertical left an 0 plate grip DOL=1.( n the plane of the tru	209 Cat. le; d 60 Iss							K	STATE OF SCOT SEV	IER
see Stand or consult 3) Gable req	studs exposed to wind lard Industry Gable En qualified building desi juires continuous botto ds spaced at 4-0-0 oc.	d Details as application of the second se	ole,							A A	PE-2001 PE-2001 Apr	018807

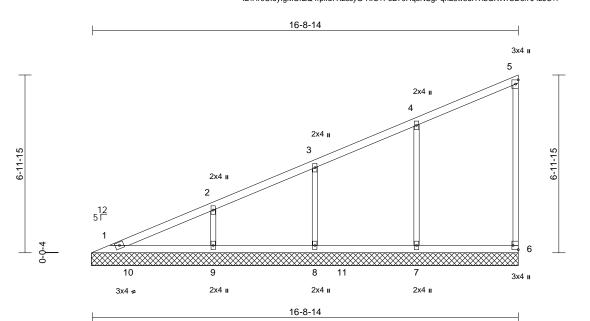


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Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	V3	Valley	1	1	Job Reference (optional)	164780442

Run: 8,73 S Mar 21 2024 Print: 8,730 S Mar 21 2024 MiTek Industries. Inc. Tue Apr 09 09:18:05 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:45.3

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

Plate Olisets (	(X, Y): [6:Edge,0-2-8]												
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	/TPI2014	CSI TC BC WB Matrix-S	0.39 0.16 0.19	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 6	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 52 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 1=16-9-8, 8=16-9-8, Max Horiz 1=290 (LC Max Uplift 6=-36 (LC (LC 8), 9= Max Grav 1=179 (LC (LC 2)	cept end verticals. applied or 10-0-0 oc 6=16-9-8, 7=16-9-8 9=16-9-8 C 5), 7=-106 (LC 8), 8 110 (LC 8) C 16), 6=168 (LC 2), 0 C 2), 8=361 (LC 2), 9	6) ed or 7) 8) c 	chord live loa * This truss h on the bottom 3-06-00 tall b chord and ar All bearings a Provide mech bearing plate 6, 106 lb upili uplift at joint This truss is International	designed in accord Residential Code nd referenced star	with any I for a liv s where II fit betw with BC e SPF N anding 3 uplift at j dance w sections	other live loa e load of 20.0 a rectangle veen the botto DL = 10.0psf o.2. ers) of truss t 36 lb uplift at ju oint 8 and 110 ith the 2018 s R502.11.1 a	Opsf om o oint ) Ib					
FORCES		89/49, 3-4=-160/54,											
BOT CHORD	4-5=-133/59, 5-6=-1 1-9=-94/71, 8-9=-94 6-7=-94/71												an
Vasd=91n II; Exp C; cantilever right expo 2) Truss des only. For see Stand or consult 3) Gable req	4-7=-310/142, 3-8=- CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Enclosed; MWFRS (er eleft and right exposed signed for wind loads in studs exposed to wind dard Industry Gable En qualified building desi- juires continuous botton ds spaced at 4-0-0 oc.	(3-second gust) DL=6.0psf; h=25ff; ( ivelope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 h the plane of the tru l (normal to the face) d Details as applicat gner as per ANSI/TF	Cat. le; d 50 ss l, ble,								Y	CALLE OF J	

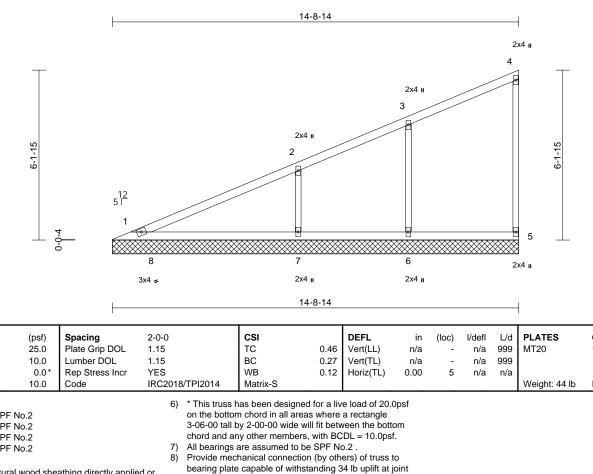
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CTION DEVELOPMEN SERVICES LEE'S' SUMMIT'S MISSOURI 06/03/2024 3:44:42

Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	V4	Valley	1	1	Job Reference (optional)	164780443

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:05 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:41.8

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 IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.46 0.27 0.12	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 44 lb	<b>GRIP</b> 197/144 FT = 10%
	6-0-0 oc p Rigid ceili bracing. (size) Max Horiz Max Uplift	No.2 No.2 No.2 No.2 No.2 No.2 No.2 No.2	C 5) 5), 6=-86 (LC 8), 7= C 16), 5=185 (LC 2),	7) 8) ed or 5 3-14, L( =-147	on the bottom 3-06-00 tall b chord and an All bearings a Provide med bearing plate 5, 86 lb uplift This truss is International	as been designed n chord in all area y 2-00-00 wide wi y other members, are assumed to be nanical connectior capable of withst at joint 6 and 147 designed in accord Residential Code nd referenced star Standard	s where ill fit betw , with BC e SPF No n (by oth anding 3 ' Ib uplift dance wi sections	a rectangle veen the botto DL = $10.0psf$ b.2. ers) of truss t 4 lb uplift at j at joint 7. th the 2018 R502.11.1 a	o o oint					
FORCES TOP CHORD BOT CHORD WEBS	Tension 1-2=-201/ 4-5=-118/ 1-7=-82/6	imum Com 89, 2-3=-1 46	C 2), 7=562 (LC 2) pression/Maximum 55/37, 3-4=-123/49, /62, 5-6=-82/62 414/209											
NOTES 1) Wind: ASC Vasd=91m II; Exp C; I cantilever right expos 2) Truss des only. For see Stand or consult 3) Gable requ 4) Gable stuc 5) This truss	CE 7-16; Vu nph; TCDL= Enclosed; M left and righ sed; Lumbe signed for w studs expos ard Industry qualified bu uires contini ds spaced a has been d	It=115mph 6.0psf; BC IWFRS (er it exposed r DOL=1.6 ind loads ir ed to wind of Gable En ilding desig uous bottor t 4-0-0 oc. esigned for	(3-second gust) DL=6.0psf; h=25ft; ( ivelope) exterior zor ; end vertical left and 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. r a 10.0 psf bottom th any other live load	ne; d 60 iss i, ble, PI 1.								*	PE-2001	LENGI

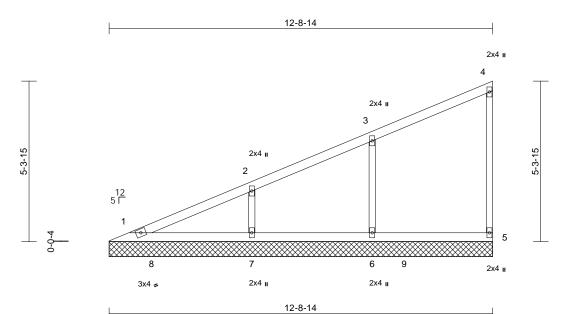
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Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	V5	Valley	1	1	Job Reference (optional)	164780444

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:05 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:38.3

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	0.22	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(TL)	n/a	-	n/a	999		
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	YES IRC2018/TPI2014	WB Matrix-S	0.09	Horiz(TL)	0.00	5	n/a	n/a	Weight: 37 lb	FT = 10%
BCDL	10.0	CODE	IRG2010/1912012	Watnx-S	-						Weight. 37 lb	FI = 10%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	<ul> <li>2x4 SPF No.2</li> <li>2x3 SPF No.2</li> <li>2x3 SPF No.2</li> <li>Structural wood she 6-0-0 oc purlins, ex</li> <li>Rigid ceiling directly bracing.</li> <li>(size) 1=12-8-14 7=12-8-14</li> <li>Max Horiz 1=218 (LC Max Uplift 5=-30 (LC 7=-107 (L Max Grav 1=166 (LC</li> </ul>	cept end verticals. applied or 10-0-0 od 4, 5=12-8-14, 6=12-8 4 C 5) 5 5), 6=-101 (LC 8), C 8) C 16), 5=173 (LC 2),	on the b 3-06-00 chord a 7) All bear 8) Provide bearing 5, 101 l c 9) This tru Internat 8-14, R802.10 LOAD CAS	uss has been design ottom chord in all ar tall by 2-00-00 wide any other membe ings are assumed to mechanical connect plate capable of with o uplift at joint 6 and ss is designed in acc ional Residential Cor 0.2 and referenced s <b>E(S)</b> Standard	eas where will fit betw ers, with BC be SPF Netion (by oth nstanding 3 107 Ib upli cordance w de sections	a rectangle veen the botto CDL = 10.0psf. o.2. ers) of truss to 80 lb uplift at jo ft at joint 7. ith the 2018 \$ R502.11.1 a	om o pint					
FORCES	6=413 (L0 (lb) - Maximum Com Tension	C 2), 7=408 (LC 2) pression/Maximum										
TOP CHORD	) 1-2=-176/59, 2-3=-1 4-5=-111/44	37/49, 3-4=-117/42,										
BOT CHORD WEBS												
NOTES	,											
<ol> <li>Wind: AS Vasd=91 II; Exp C; cantileveright export 2) Truss de only. For see Stand</li> </ol>	SCE 7-16; Vult=115mph mph; TCDL=6.0psf; BC ; Enclosed; MWFRS (er r left and right exposed osed; Lumber DOL=1.6 esigned for wind loads in r studs exposed to wind dard Industry Gable En t gualified building desi	DL=6.0psf; h=25ft; ( nvelope) exterior zor ; end vertical left and 0 plate grip DOL=1.6 n the plane of the tru ( (normal to the face) d Details as applicat	ne; d 60 iss ), ble,								STATE OF SCOT	MISSOLA T M. HER

or consult qualified building designer as per ANSI/TPI 1. 3) Gable requires continuous bottom chord bearing.

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

5)

This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. PE-200101880 SIONAL ET April 10,2024

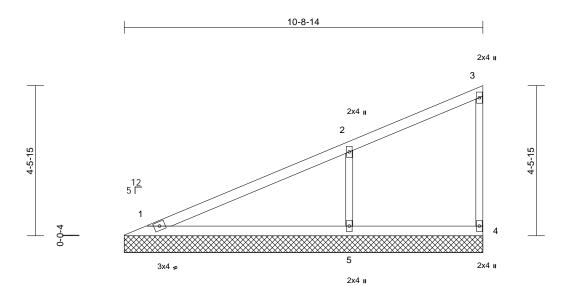
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 166 HT	
B240067	V6	Valley	1	1	Job Reference (optional)	164780445

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Tue Apr 09 09:18:05 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale	_	1.3/	5

00010 = 1.04.0												
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	0.46	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.10	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 30 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing.	cept end verticals.	8) Provide me bearing pla 23 lb uplift 9) This truss i Internation: R802.10.2 LOAD CASE(S	s are assumed to chanical connec te capable of with at joint 4 and 154 s designed in ac al Residential Co and referenced s ) Standard	tion (by oth hstanding f 4 lb uplift at cordance w ode sections	ers) of truss 5 lb uplift at jo joint 5. ith the 2018 5 R502.11.1 a	pint 1,					
REACTIONS	(size) 1=10-8-14 Max Horiz 1=181 (LC Max Uplift 1=-5 (LC 8) Max Grav 1=220 (LC	C 5) 8), 4=-23 (LC 5), 5=	-154									

10-8-14

(LC 1)							
FORCES	(lb) - Maximum Compression/Maximum						
	Tension						
TOP CHORD	1-2=-138/92, 2-3=-114/36, 3-4=-78/34						
BOT CHORD	1-5=-59/45, 4-5=-59/45						
WEBS	2-5=-436/213						

### WEBS NOTES

- 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. Gable requires continuous bottom chord bearing.
- 3) Gable studs spaced at 4-0-0 oc. 4)
- 5)
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* 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.



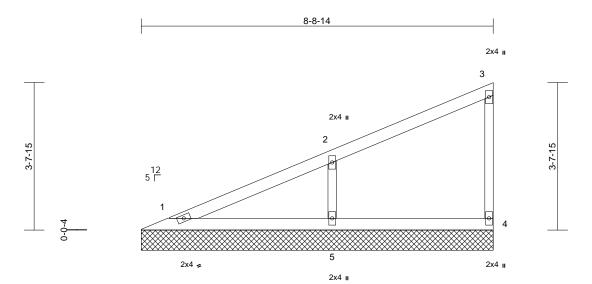
 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not beigh valid for use only with with with sets outputs into design is based only door parameters shown, and is for an individual dualing component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

TION DEVELORMENT SERVICES LEE'S'SUMMIT'SMISSOURI 06/03/2024 3:44:43

Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	V7	Valley	1	1	Job Reference (optional)	164780446

### Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Tue Apr 09 09:18:05 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale	_	1.28	6

Scale = 1:28.6													
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	25.0	Plate Grip DOL	1.15	тс	0.25	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	0.07	Horiz(TL)	0.00	4	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 24 lb	FT = 10%	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 Structural wood she		bearing plate 4 and 119 lb 9) This truss is International R802.10.2 a	chanical connect e capable of wit o uplift at joint 5 designed in ac I Residential Co nd referenced s Standard	thstanding 2 cordance worde sections	23 lb uplift at j ith the 2018 s R502.11.1 a	joint						

8-8-14

DIVAGING									
TOP CHORD		l wood sheathing directly applied or							
	6-0-0 oc p	ourlins, except end verticals.							
BOT CHORD	Rigid ceil	Rigid ceiling directly applied or 10-0-0 oc							
	bracing.								
REACTIONS	(size)	1=8-8-14, 4=8-8-14, 5=8-8-14							
	Max Horiz	1=145 (LC 5)							
	Max Uplift	4=-23 (LC 5), 5=-119 (LC 8)							

- Max Grav 1=138 (LC 1), 4=130 (LC 1), 5=446 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension
- TOP CHORD 1-2=-114/68, 2-3=-100/28, 3-4=-101/40 1-5=-47/36, 4-5=-47/36 BOT CHORD 2-5=-347/178 WEBS

#### NOTES

- 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
- Truss designed for wind loads in the plane of the truss 2) only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing. 3)
- Gable studs spaced at 4-0-0 oc. 4)
- This truss has been designed for a 10.0 psf bottom 5) chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf 6) 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.
- 7) All bearings are assumed to be SPF No.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 beigh valid for use only with with with sets outputs into design is based only door parameters shown, and is for an individual dualing component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

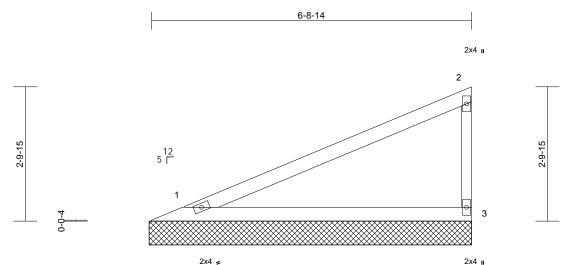




Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	V8	Valley	1	1	Job Reference (optional)	164780447

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Tue Apr 09 09:18:06 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



6-8-14

Scale - 1.24 3

Scale = 1:24.3												
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	0.70	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(TL)	n/a	-	n/a	999		
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: 17 lb	FT = 10%
BCDL	10.0	Code	IRC2018/1P12014	Matrix-P							weight: 17 lb	F1 = 10%
LUMBER				designed in accor								
TOP CHORD	2x4 SPF No.2			Residential Code			nd					
BOT CHORD	2x4 SPF No.2			and referenced star	ndard AN	ISI/TPI 1.						
WEBS	2x3 SPF No.2		LOAD CASE(S)	Standard								
BRACING												
TOP CHORD	Structural wood she		ed or									
BOT CHORD	6-9-8 oc purlins, ex Rigid ceiling directly											
BOT CHORD	bracing.	applied of 10-0-0 0	ic .									
REACTIONS	(size) 1=6-9-8, 3	3=6-9-8										
	Max Horiz 1=108 (L0											
	Max Uplift 1=-39 (LC	,										
	Max Grav 1=267 (LC	C 1), 3=267 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD	1-2=-97/64, 2-3=-20	8/96										
BOT CHORD	1-3=-35/27											
NOTES												
	E 7-16; Vult=115mph		_									
	ph; TCDL=6.0psf; BC											
	Enclosed; MWFRS (er left and right exposed											
	sed; Lumber DOL=1.6											
	igned for wind loads in											
	studs exposed to wind										Since	Jan
see Standa	ard Industry Gable En	d Details as applica	ble,								ATE OF	MISC
	qualified building desig		PI 1.							1	9 50	N.O.
	since continuous hotto	a ahard haariaa										

- 3) Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc. 4)
- 5) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads. 6) \* 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 . 7)

Provide mechanical connection (by others) of truss to 8) bearing plate capable of withstanding 39 lb uplift at joint 1 and 61 lb uplift at joint 3.



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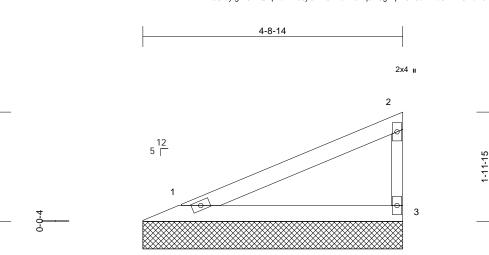


Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	V9	Valley	1	1	Job Reference (optional)	164780448

1-11-15

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:06 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



4-8-14

2x4 🚅

2x4 🛛

Scale	 1.21

Scale = 1:21			1									
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-P	0.29 0.16 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%
BCDL LUMBER TOP CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS (1 M FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD NOTES 1) Wind: ASCE Vasd=91mp II; Exp C; Fit cantilever Fit cantilever Fit cantilever Fit cantilever Fit	10.0 2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 Structural wood she 4-9-8 oc purlins, ex Rigid ceiling directly bracing. size) 1=4-8-14, Max Horiz 1=72 (LC Max Grav 1=177 (LC (lb) - Maximum Com Tension 1-2=-64/43, 2-3=-13 1-3=-23/18 E 7-16; Vult=115mph ph; TCDL=6.0psf; BC nclosed; MWFRS (er ff and right exposed ed; Lumber DOL=1.6	Code athing directly applie cept end verticals. applied or 10-0-0 or 3=4-8-14 5) 8), 3=-40 (LC 8) C 1), 3=177 (LC 1) pression/Maximum 8/64 (3-second gust) DL=6.0psf; h=25ft; C ivelope) exterior zon ; end vertical left and 0 plate grip DOL=1.6	IRC2018/TPI2014 9) This truss is Internationa R802.10.2 a LOAD CASE(S) ed or c	Matrix-P designed in accord Residential Code and referenced star	dance w sections	ith the 2018 R502.11.1 a					Weight: 12 lb	FT = 10%
<ul> <li>only. For st see Standar</li> <li>or consult q</li> <li>Gable requi</li> <li>Gable studs</li> <li>This truss h chord live lo</li> <li>* This truss on the botto 3-06-00 tall chord and a</li> <li>All bearings</li> <li>Provide met bearing plat</li> </ul>	gned for wind loads in tude exposed to wind rd Industry Gable En- ualified building desig- res continuous bottor s spaced at 4-0-0 oc. as been designed for bad nonconcurrent wi has been designed for on chord in all areas by 2-00-00 wide will any other members. are assumed to be 5 chanical connection ( te capable of withstar uplift at joint 3.	(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	, ole, P11. ds. opsf om						-		STATE OF SCOT SEV PE-2001 PE-2001 Apr	T M. IER 018807

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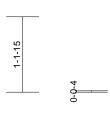


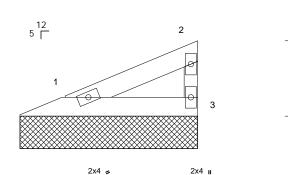
Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	V10	Valley	1	1	Job Reference (optional)	164780449

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:06 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

2x4 II

Page: 1





1-1-15

2-8-14

2-8-14

Sca	le =	1:1	17.8	3

Labeling       (p4)       Spacing       2-0-0       (SI       (D)       (D)	00010 = 1.17.0												
TOP CHORD       2x4 SPF No.2       International Residential Code section R502.11.1 and R802.10.2 and referenced stindard ANS/TP1 1.         WEBS       2x3 SPF No.2       LOAD CASE(S) Standard         BRACINO:       Structural wood sheathing directly applied or 2x9-06 co purins, except end verticals.         BOT CHORD       Structural wood sheathing directly applied or 2x9-06 co purins, except end verticals.         BOT CHORD       Structural wood sheathing directly applied or 2x9-06 co purins, except end verticals.         BOT CHORD       Structural wood sheathing directly applied or bracing.         REACTIONS       (Stel)         REACTINS       (Stel)         TOP CHORD       1-3-2-321.2, 3-3-68/31         BOT CHORD       1-3-2-321.2, 2-3-68/31         BOT CHORD       1-3-2-321.2, 2-3-68/31         BOT CHORD       1-3-2-321.2, 2-3-68/31         BOT CHORD       1-3-2-321.2, 2-3-68/31         BOT CHORD       1-3-2-321.2         Nortes	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	0.03	Vert(LL) Vert(TL)	n/a n/a	-	n/a n/a	999 999	MT20	197/144
April 10,2024	TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD NOTES 1) Wind: ASC Vasd=91m II; Exp C; B cantilever I iy Wind: ASC Vasd=91m II; Exp C; B cantilever I iy Wind: ASC Vasd=91m II; Exp C; B cantilever I ight expos 2) Truss des only. For s see Stand or consult 3) Gable requ 4) Gable stud 5) This truss chord live I 6) * This truss on the bott 3-06-00 tal chord and 7) All bearing 8) Provide mu	2x4 SPF No.2 2x3 SPF No.2 Structural wood shea 2-9-8 oc purlins, exa Rigid ceiling directly bracing. (size) 1=2-8-14, Max Horiz 1=36 (LC Max Uplift 1=-13 (LC (lb) - Maximum Com Tension 1-2=-32/21, 2-3=-68, 1-3=-12/9 CE 7-16; Vult=115mph ph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed; Lumber DOL=1.60 sed; Lumber DOL=1.61 studs exposed to wind ard Industry Gable Enq qualified building desig uires continuous bottor is spaced at 4-0-0 oc. has been designed for load nonconcurrent wi s has been designed for lom chord in all areas II by 2-00-00 wide will any other members. Is are assumed to be S echanical connection ( ate capable of withstar	cept end verticals. applied or 10-0-0 or 3=2-8-14 5) 5) 3=-20 (LC 8) 1), 3=87 (LC 1) pression/Maximum /31 (3-second gust) DL=6.0psf; h=25ft; C twelope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 the plane of the tru (normal to the face) d Details as applicate 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 SPF No.2. (by others) of truss to	Cat. LOAD CASE(S) ad or cat. le; d 30 ss ple, 11. ds. psf m	Residential Code seind referenced stand	ections	8 R502.11.1 a	nd		(		SCOT SEV NOM PE-2001	T M. HER BER 018807

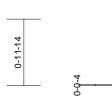
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

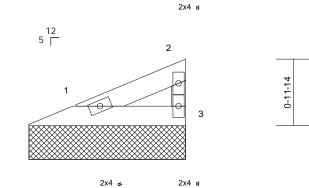


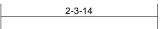
Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	V11	Valley	1	1	Job Reference (optional)	164780450

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:06 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1







2-3-14

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Loading         (psf)           TCLL (roof)         25.0           TCDL         10.0           BCLL         0.0*           BCDL         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	0.04 0.02 0.00	DEFL 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: 5 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD 2x4 SPF No.2 3OT CHORD 2x4 SPF No.2 WEBS 2x3 SPF No.2 BRACING TOP CHORD Structural wood she: 2-4-8 oc purlins, exc	athing directly applied cept end verticals. applied or 10-0-0 oc 3=2-3-14 5) (3), 3=-16 (LC 8) 1), 3=68 (LC 1) pression/Maximum /25 (3-second gust) DL=6.0psf; h=25ft; C welope) exterior zone (normal to the face), d Details as applicabl gner as per ANSI/TPI m chord bearing. r a 10.0 psf bottom th any other live load or a live load of 20.0p where a rectangle fit between the bottor SPF No.2. (by others) of truss to	9) This truss Internation R802.10.2 LOAD CASE( d or d or e; i 0 ss le, i 1.	is designed in accornal Residential Code	sections	s R502.11.1 a	ind				STATE OF SCATE SCOT	MISSOUR T.M. TER 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/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)



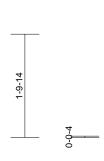
ſ	Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
	B240067	V12	Valley	1	1	Job Reference (optional)	164780451

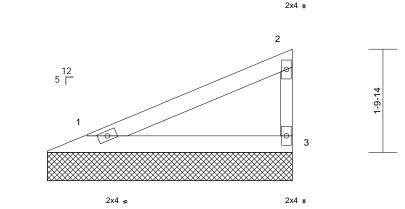
4-3-14

Wheeler Lumber, Waverly, KS - 66871,

### Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Tue Apr 09 09:18:06 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







Scolo -	= 1:20.3

Loading TCLL (roof) TCDL BCLL BCDL LUMBER

			L		4-3-14	4						
).3												
	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
	25.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	197/144
	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 10 lb	FT = 10%

International Residential Code sections R502.11.1 and

R802.10.2 and referenced standard ANSI/TPI 1.

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x3 SPF No.2
BRACING	
TOP CHORD	Structural woo

DRACING		
TOP CHORD		wood sheathing directly applied or
	4-4-8 oc p	ourlins, except end verticals.
BOT CHORD	Rigid ceili	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	1=4-3-14, 3=4-3-14
	Max Horiz	1=64 (LC 5)
	Max Uplift	1=-23 (LC 8), 3=-36 (LC 8)
	Max Grav	1=158 (LC 1), 3=158 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	·

	10101011
TOP CHORD	1-2=-58/38, 2-3=-123/57
BOT CHORD	1-3=-21/16

### NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) 1) 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.
- Gable requires continuous bottom chord bearing. 3) Gable studs spaced at 4-0-0 oc. 4)
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf 6) 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 . 7)

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 1 and 36 lb uplift at joint 3.

# OF MISS SCOTT M. SEVIER NUMBER PE-200101880 SIONAL F April 10,2024

 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not beigh valid for use only with with with sets outputs into design is based only door parameters shown, and is for an individual dualing component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

LOAD CASE(S) Standard

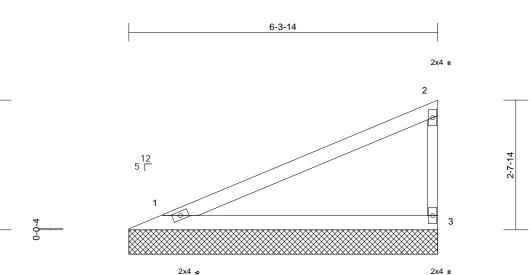


Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	V13	Valley	1	1	Job Reference (optional)	164780452

2-7-14

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:06 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



6-3-14

2x4 🚅

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Scale = 1:23.6												
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/TPI2014	CSI TC BC WB Matrix-P	0.60 0.32 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: 16 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 Structural wood she 6-4-8 oc purlins, ex Rigid ceiling directly bracing.	athing directly applic cept end verticals. applied or 10-0-0 o , 3=6-3-14 C 5) C 8), 3=-56 (LC 8) C 1), 3=248 (LC 1)	9) This truss is Internationa R802.10.2 LOAD CASE(S	s designed in acco al Residential Cod and referenced sta	e sections	R502.11.1 a	and					
BOT CHORD NOTES 1) Wind: ASC Vasd=91m II; Exp C; E cantilever la right expos. 2) Truss desi only. For s see Standa or consult c 3) Gable requ 4) Gable stud: 5) This truss h	Tension 1-2=-90/60, 2-3=-19 1-3=-33/25 E 7-16; Vult=115mph ph; TCDL=6.0psf; BC inclosed; MWFRS (er eft and right exposed ed; Lumber DOL=1.6 gned for wind loads ii tuds exposed to wind ird Industry Gable En qualified building desi ires continuous botto s spaced at 4-0-0 oc. has been designed fo oad nonconcurrent wi	(3-second gust) DL=6.0psf; h=25ft; ( vvelope) exterior zor ; end vertical left an 0 plate grip DOL=1. n the plane of the tru I (normal to the face d Details as applical gner as per ANSI/TF m chord bearing. r a 10.0 psf bottom	ne; d 60 ss ), ble, PI 1.								STATE OF I	
<ul> <li>6) * This truss on the botto 3-06-00 tall chord and a</li> <li>7) All bearings</li> <li>8) Provide me bearing pla</li> </ul>	is has been designed f orm chord in all areas by 2-00-00 wide will any other members. s are assumed to be schanical connection te capable of withstan unlift at joint 3.	or a live load of 20.0 where a rectangle fit between the botto SPF No.2 . (by others) of truss t	Dpsf om o							K	PE-2001	15 B

1 and 56 lb uplift at joint 3.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent 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)

April 10,2024

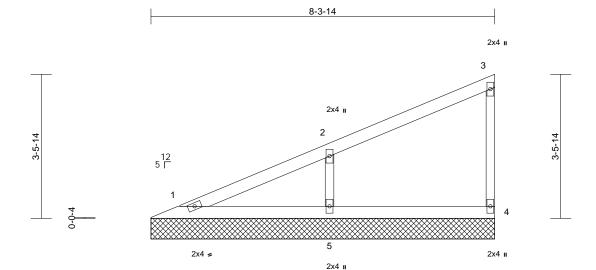
Cons



Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	V14	Valley	1	1	Job Reference (optional)	164780453

### Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:06 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





8-3-14

Scale = 1:27.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P	-						Weight: 22 lb	FT = 10%
LUMBER			8) Provide me	chanical connection	on (by oth	ers) of truss t	to					
TOP CHORD	2x4 SPF No.2		bearing pla	te capable of withs	standing 2	23 lb uplift at j	oint					
BOT CHORD	2x4 SPF No.2			b uplift at joint 5.								
WEBS	2x3 SPF No.2			s designed in acco								
OTHERS	2x3 SPF No.2			al Residential Code			and					
BRACING			R802.10.2	and referenced sta	andard AN	NSI/TPI 1.						
TOP CHORD		athing directly applie	ed or LOAD CASE(S	<ol> <li>Standard</li> </ol>								
	6-0-0 oc purlins, ex											
BOT CHORD		applied or 10-0-0 or	0									
	bracing.											
REACTIONS	· · ·	, 4=8-3-14, 5=8-3-14										
	Max Horiz 1=137 (L	,										
	Max Uplift 4=-23 (LC	,, , , , ,										
	Max Grav 1=119 (L	C 1), 4=135 (LC 1), 5	5=423									
	(LC 1)											
FORCES	(lb) - Maximum Con Tension	npression/Maximum										
TOP CHORD	1-2=-109/62, 2-3=-9	7/30, 3-4=-105/41										
BOT CHORD	1-5=-45/34, 4-5=-45	5/34										
WEBS	2-5=-329/169											
NOTES												
1) Wind: AS	CE 7-16; Vult=115mph	(3-second gust)										
	nph; TCDL=6.0psf; BC		Cat.									
II; Exp C;	Enclosed; MWFRS (er	nvelope) exterior zon	ne;									~
cantilever	left and right exposed	; end vertical left and	d								an	AD
right expo	sed; Lumber DOL=1.6	60 plate grip DOL=1.6	60								A OF	MISC
	signed for wind loads i									1	TATE OF	W.Oc
	studs exposed to wind									B	SCOT	TM XPN
	lard Industry Gable En									R	-,	
	qualified building desi		ข 1.						-	4	SEV	
<ol><li>Gable req</li></ol>	uires continuous botto	m chord bearing.								EL A		1×0

- 4) Gable studs spaced at 4-0-0 oc.
- 5)
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. \* This truss has been designed for a live load of 20.0psf
- 6) 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.
- 7) All bearings are assumed to be SPF No.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 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)

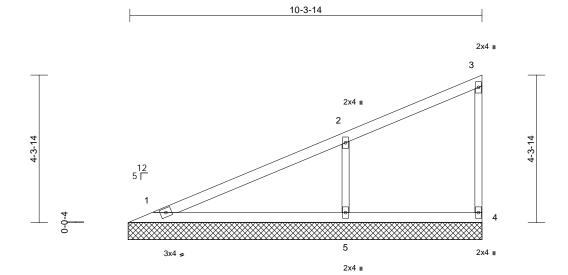


DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 06/03/2024 3:44:43

Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	V15	Valley	1	1	Job Reference (optional)	164780454

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries. Inc. Tue Apr 09 09:18:06 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



10-3-14

Scale = 1:33.8

		i			•								
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	0.40 0.21 0.09	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 28 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 1=10-4-8, Max Horiz 1=174 (LC Max Uplift 1=-3 (LC (LC 8)	applied or 10-0-0 oc , 4=10-4-8, 5=10-4-8 C 5)	LC 145	Provide mec bearing plate 23 lb uplift at This truss is International	are assumed to hanical connect capable of with joint 4 and 145 designed in acc Residential Co nd referenced s Standard	tion (by othe nstanding 3 b b uplift at cordance wi de sections	ers) of truss Ib uplift at jo joint 5. th the 2018 R502.11.1 a	pint 1,					
FORCES	(lb) - Maximum Com Tension												

BOT CHORD 1-5=-56/43, 4-5=-56/43 WEBS 2-5=-413/202

### NOTES

- 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. Gable requires continuous bottom chord bearing.
- 3) Gable studs spaced at 4-0-0 oc. 4)
- This truss has been designed for a 10.0 psf bottom 5)
- chord live load nonconcurrent with any other live loads. 6) \* 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.

OF MISS SCOTT M. SEVIER NUMBER PE-2001018807 SIONAL E April 10,2024

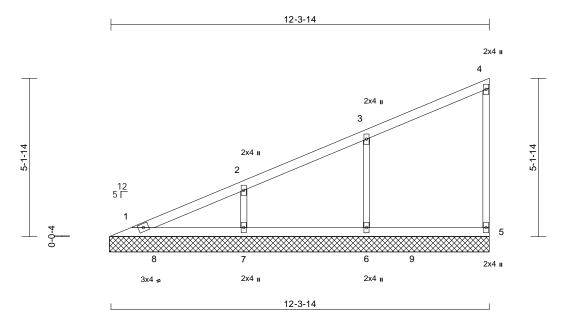
# WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not beigh valid for use only with with with sets outputs into design is based only door parameters shown, and is for an individual dualing component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)



Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	V16	Valley	1	1	Job Reference (optional)	164780455

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:06 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:37.5

00010 = 1.07.0													
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	0.20	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	0.09	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 36 lb	FT = 10%
	2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 1=12-4-8, 7=12-4-8 Max Horiz 1=210 (LC Max Uplift 5=-29 (LC 7=-100 (L Max Grav 1=149 (LC	cept end verticals. applied or 10-0-0 or 5=12-4-8, 6=12-4-8 C 5) C 5), 6=-103 (LC 8), C 8)	c 9) 3, L	on the botton 3-06-00 tall li chord and an All bearings Provide mec bearing plate 5, 103 lb upl This truss is International	has been designen n chord in all are by 2-00-00 wide v ny other members are assumed to t hanical connectic e capable of withs iff at joint 6 and 1 designed in acco Residential Cod nd referenced sta Standard	as where will fit betw s, with BC be SPF No on (by oth standing 2 00 lb upli ordance w e sections	a rectangle veen the botto DL = 10.0psl D.2 . ers) of truss t 9 lb uplift at j ft at joint 7. ith the 2018 5 R502.11.1 a	om f. to joint					
	6=415 (L0	C 2), 7=382 (LC 2)											
FORCES	(lb) - Maximum Corr Tension	pression/Maximum											
TOP CHORD	1-2=-172/54, 2-3=-1 4-5=-110/43	34/51, 3-4=-116/40,											
BOT CHORD WEBS	1-7=-68/51, 6-7=-68 3-6=-304/148, 2-7=-	,											
	3-0=-304/140, 2-7=-	200/14/											
Vasd=91m II; Exp C; I cantilever right expos	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed; Lumber DOL=1.6 signed for wind loads in	DL=6.0psf; h=25ft; ( nvelope) exterior zor ; end vertical left an 0 plate grip DOL=1.	ne; Id 60									STATE OF I	MISSOUR T M. ER

2) designed for wind loads in the pla only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

3) Gable requires continuous bottom chord bearing.

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

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

PE-200101880' SIONAL E April 10,2024

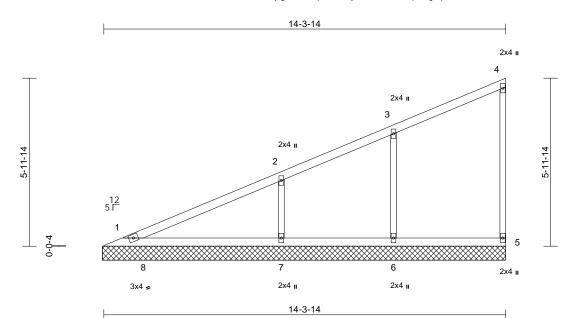
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 166 HT	
B240067	V17	Valley	1	1	Job Reference (optional)	164780456

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:06 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



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Ocale = 1.41.1													
Loading TCLL (roof)	(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15		CSI TC	0.39	DEFL Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	<b>GRIP</b> 197/144
TCDL	10.0	Lumber DOL	1.15			0.23	Vert(TL)	n/a	-	n/a	999	101120	137/144
BCLL	0.0*	Rep Stress Incr	YES	1		0.20	Horiz(TL)	0.00	5	n/a	n/a	1	
BCDL	10.0	Code	IRC2018/T	PI2014	Matrix-S	0.11	110112(112)	0.00	Ũ	n/a	n/a	Weight: 42 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing.	cept end verticals.	o 3 c 7) A 8) F 8) F 9) T 1 1	n the bottom -06-00 tall by hord and any Il bearings a Provide mech earing plate 5, 90 lb uplift his truss is c nternational f	as been designed for o chord in all areas y y 2-00-00 wide will f y other members, w re assumed to be S nanical connection (( capable of withstan at joint 6 and 138 lb lesigned in accorda Residential Code se	where fit betw ith BC SPF No by oth ading 3 b uplift ance w ections	a rectangle veen the botto CDL = 10.0psf c.2. ers) of truss t 3 lb uplift at j at joint 7. ith the 2018 \$ R502.11.1 a	om o oint					
REACTIONS		5=14-4-8, 6=14-4-8		(802.10.2 an D CASE(S)	d referenced standa Standard	ard AN	ISI/TPI 1.						
	7=14-4-8 Max Horiz 1=246 (LC	2 5)			etanduru								
	Max Uplift 5=-33 (LC		138										
	(LC 8)	, 0), 0= 00 (20 0), 1	- 100										
	Max Grav 1=226 (L0	C 16), 5=182 (LC 2), C 2), 7=527 (LC 2)											
FORCES	(lb) - Maximum Com Tension	,. ,											
TOP CHORD	1-2=-196/82, 2-3=-1 4-5=-116/46	51/40, 3-4=-122/48,											
BOT CHORD	1-7=-80/60, 6-7=-80												
WEBS	3-6=-269/128, 2-7=-	203/13/											
NOTES	CE 7-16; Vult=115mph	(3-second quet)										000	an
Vasd=91m II; Exp C; E cantilever I right expos 2) Truss desi	ph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed; Lumber DOL=1.6 igned for wind loads ir studs exposed to wind	DL=6.0psf; h=25ft; ( ivelope) exterior zor ; end vertical left an 0 plate grip DOL=1.0 n the plane of the true	ne; d 60 ss									STATE OF SCOT	
see Standa	ard Industry Gable En qualified building desig	d Details as applicat	ole,							_		ott.	Since

3) Gable requires continuous bottom chord bearing.

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

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

> April 10,2024 DEVELOPMENT SERVICES

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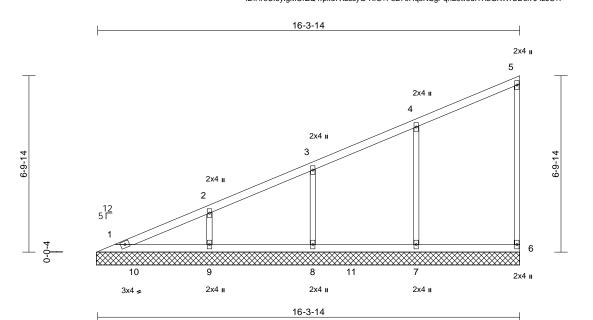
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Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	V18	Valley	1	1	Job Reference (optional)	164780457

Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:06 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



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oodio = 111110												
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/TPI2	CSI TC BC WB 014 Matrix-S	0.37 0.16 0.18	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 6	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 50 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 1=16-4-8, 8=16-4-8, Max Horiz 1=283 (LC Max Uplift 6=-35 (LC (LC 8), 9= Max Grav 1=162 (LC	cept end verticals. applied or 10-0-0 o 6=16-4-8, 7=16-4-8 9=16-4-8 C 5) C 5), 7=-105 (LC 8), 103 (LC 8)	chor 7) * Th on ti 3-06 chor 9) Prov ca 6, 10 0, This Inter 8892 LOAD C	truss has been designe d live load nonconcurrer is truss has been design the bottom chord in all arr- oot tall by 2-00-00 wide d and any other membe earings are assumed to ride mechanical connect ing plate capable of with 05 lb uplift at joint 7, 92 ll tat joint 9. truss is designed in acc national Residential Coo 2.10.2 and referenced st ASE(S) Standard	nt with any ned for a live eas where will fit betw rs, with BC be SPF Ne ion (by oth histanding 3 b uplift at jue cordance wide sections	other live loa e load of 20.0 a rectangle ween the bottu DL = 10.0psl c.2. ers) of truss t 55 lb uplift at j bint 8 and 100 ith the 2018 s R502.11.1 a	Opsf om f. to joint 3 lb					
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-2=-236/56, 2-3=-1 4-5=-131/57, 5-6=-1											
BOT CHORD	1-9=-92/70, 8-9=-92 6-7=-92/70	/70, 7-8=-92/70,										
WEBS	4-7=-308/142, 3-8=-	271/143, 2-9=-294/1	148								- march	all
Vasd=91r II; Exp C; cantilever	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed: Lumber DOL=1.6	DL=6.0psf; h=25ft; ( nvelope) exterior zor ; end vertical left an	ne; Id								STATE OF S	MISSOUR T.M. IER

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



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April 10,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 166 HT	
B240067	V19	Valley	1	1	Job Reference (optional)	164780458

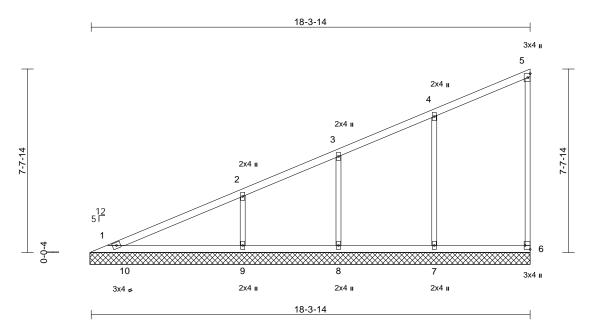
Run: 8.73 S Mar 21 2024 Print: 8.730 S Mar 21 2024 MiTek Industries, Inc. Tue Apr 09 09:18:06 ID:Hr0UloyIgMOrZQ4rpild7XzssyG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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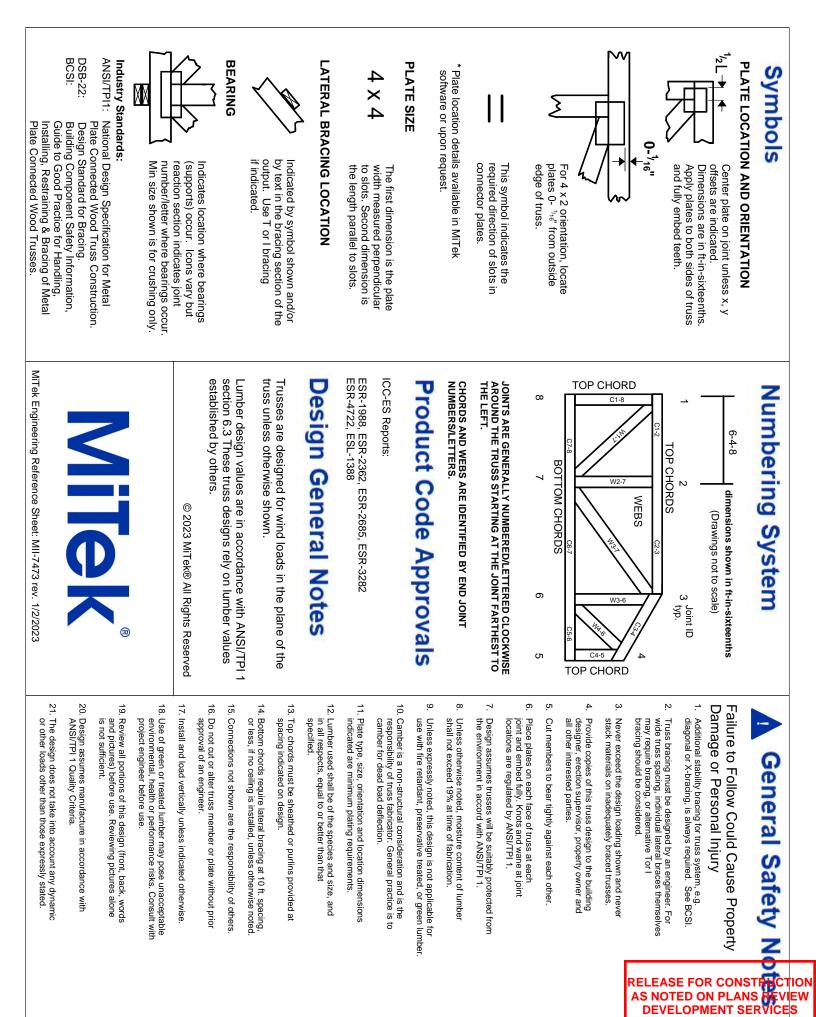


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Plate Offsets	(X, Y):	[6:Edge,0-2-8]
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Flate Olisets (	A, 1). [0.Euge,0-2-0]												
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/7	TPI2014	<b>CSI</b> TC BC WB Matrix-S	0.48 0.23 0.25	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 6	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 58 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 1=18-4-8, 8=18-4-8, Max Horiz 1=319 (LC Max Upliff 6=-38 (LC (LC 8), 9= Max Grav 1=239 (LC	cept end verticals. applied or 10-0-0 oc 6=18-4-8, 7=18-4-8 9=18-4-8 C 5) C 5), 7=-109 (LC 8), 8 -140 (LC 8)	6) 6 ad or 7) 7 8) 1 5 6 9) - 3=-78 LOA	chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar All bearings a Provide mec bearing plate 6, 109 lb upli this truss is International	designed in accor Residential Code nd referenced sta	with any d for a liv as where ill fit betv , with BC e SPF No n (by oth tanding 3 uplift at jo rdance w sections	other live loa e load of 20.0 a rectangle veen the botto DL = 10.0psf 5.2. ers) of truss t 8 lb uplift at j bint 8 and 140 ith the 2018 i R502.11.1 a	Opsf om o oint ) Ib					
FORCES TOP CHORD	(lb) - Maximum Com Tension 1-2=-260/85, 2-3=-1	97/39, 3-4=-171/57,											
BOT CHORD	4-5=-139/65, 5-6=-108/42 1-9=-104/79, 8-9=-104/79, 7-8=-104/79, 6-7=-104/79										and the second		
Vasd=91rr II; Exp C; I cantilever right expos only. Truss des only. For see Stand or consult 3) Gable requ	4-7=-318/142, 3-8=- CE 7-16; Vult=115mph pph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed; Lumber DOL=1.6 signed for wind loads ir studs exposed to wind ard Industry Gable En qualified building desiguires continuous bottoo ds spaced at 4-0-0 oc.	(3-second gust) DL=6.0psf; h=25ff; C tvelope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 n the plane of the tru l (normal to the face) d Details as applicat gner as per ANSI/TF	Cat. le; d S0 ss , ple,									OF DE SCOT SEV OF DE SCOT SEV PE-2001 PE-2001	





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