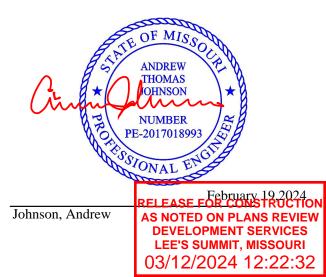


MiTek, Inc. RE: B240015 - Lot 195 HT 16023 Swinalev Ridae Rd. Site Information: Chesterfield, MO 63017 Project Customer: Summit Homes Project Name: 314.434.1200 Lot/Block: 195 Subdivision: Hawthorn Ridge Model: Sydney - Modern Prairie Address: 1628 SW Arborway Terr City: Lee's Summit State: MO General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions): Design Code: IRC2018/TPI2014 Design Program: MiTek 20/20 8.7 Wind Code: ASCE 7-16 [IV/indRSpeced: 115 mph Design Method: MWFRS (Envelope) ASCE 7-16 [Low Rise] Roof Load: 45.0 psf Floor Load: N/A psf Mean Roof Height (feet): 25 Exposure Category: C No. Seal# Truss Name Date No. Seal# Truss Name Date 163679784 163679785 2/19/24 2/19/24 2/19/24 35 36 37 38 39 40 163679818 G6 G7 123456789111234 A1 2/19/24 2/19/24 2/19/24 2/19/24 A2 163679819 Ğ8 G9 163679786 163679820 A3 2/19/24 163679787 A4 163679821 2/19/24 A5 A6 G10 H1 163679788 163679822 2/19/24 2/19/ 163679789 163679789 163679790 163679791 163679792 163679823 2/19/24 163679824 163679825 B1 B2 B3 B3 B4 C2 C3 C2 C5 C6 41 42 43 44 45 46 47 2/19/24 H2 2/19/24 H3 2/19/24 2/19/ 163679826 2/19/24 H4 2/19/ I63679793 I63679794 I63679795 J1 J2 J3 2/19/24 163679827 163679828 163679829 2/19/24 2/19/24 2/19/24 2/19/24 J4 J5 163679796 163679830 2/19/24 2/19163679797 48 163679831 2/19/24 15 16 17 18 l63679798 l63679799 163679832 163679833 J6 J7 4555555555556 2/19/24 2/19/24 2/19/24 2/19/24 Č7 C8 J8 J9 163679800 2/19/24 163679834 2/19/ 163679801 2/19/24 163679835 163679802 163679803 Č9 C10 163679836 163679837 19 20 21 22 23 24 25 26 27 29 30 32 33 33 33 2/19/24 J10 2/19/24 2/19/24 J11 163679804 163679805 163679838 163679839 D1 2/19/24 J12 D2 J13 2/19/24 163679806 163679807 163679840 163679841 D3 J14 2/19/24 Đ4 2/19/24 163679842 163679843 163679808 E1234512345 E1234512345 2/19/24 J16 163679809 2/19/24 163679810 163679811 61 62 63 163679844 163679845 2/19/24 2/19/ J19 163679812 163679813 163679846 J20 64 65 66 67 163679847 19/2 163679848 163679849 163679814 J22 19/2163679815 J23 l63679816 l63679817 163679850 J24 68 163679851 .125

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

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





RE: B240015 - Lot 195 HT

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

No.	Seal#	Truss Name	Date
69	163679852	J26	2/19/24
70	163679853	J27	2/19/24
71 72	163679854	J28 J29	2/19/24
73	163679855 163679856	J30	2/19/24 2/19/24
74	l63679857	J31	2/19/24
75	l63679858	J32	2/19/24
76	163679859	J33	2/19/24 2/19/24
77	163679860	J34	
78 79	163679861	J35 J36	2/19/24
80	163679862 163679863	J37	2/19/24 2/19/24
81	163679864	J38	2/19/24 2/19/24
82	163679865	J39	
83	163679866	J40	2/19/24
84	163679867	J41	2/19/24
85	163679868	J42	2/19/24
86	163679869	J43	
87	163679870	J44	2/19/24 2/19/24
88	l63679871	J45	2/19/24
89	l63679872	J46	2/19/24
90	l63679873	J47	2/19/24
91	l63679874	J48	2/19/24
92	l63679875	LAY1	2/19/24
93	l63679876	LAY2	2/19/24
94	163679877	LAY3	2/19/24
95	l63679878	LAY4	2/19/24
96	l63679879	LAY5	2/19/24
97	163679880	LAY6	2/19/24 2/19/24
98	163679881	R1	
99	163679882	V1	2/19/24
100	l63679883	V2	2/19/24
101	l63679884	V3	2/19/24
102	l63679885	V4	2/19/24
103	l63679886	V5	2/19/24
104	l63679887	V6	2/19/24
105	l63679888	V7	
106	163679889	V8	2/19/24 2/19/24
107	163679890	V9	2/19/24



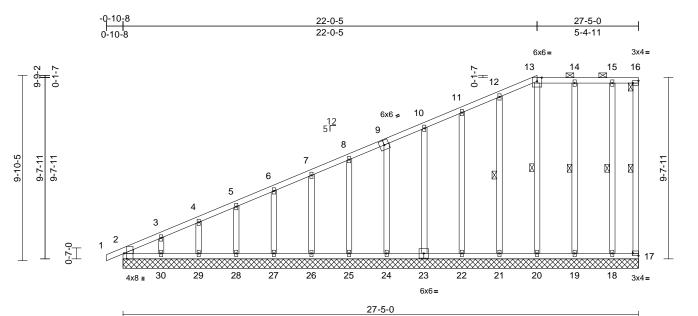
Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	A1	Half Hip Supported	1	1	Job Reference (optional)	163679784

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:45:59 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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DEVELORMENT: SERVICES LEES SUMMIT: MISSOURI 03/12/2024 12:22:32



Scale = 1:61.3

Plate Offsets (X, Y): [2:0-3-8,Edge], [16:Edge,0-1-8], [17:Edge,0-1-8]

Plate Olisets (.	∧, f). [2.0-3-6,Eug	ej, [16:Edge,0-1-8], [17	.Euge,0-1-0]									
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Lumber DOL * Rep Stress Incr	2-0-0 1.15 1.15 YES IRC2018/	TPI2014	CSI TC BC WB Matrix-S	0.40 0.17 0.15	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a -0.01	(loc) - - 17	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 160 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS WEDGE BRACING TOP CHORD BOT CHORD	6-0-0 oc purlins, 2-0-0 oc purlins (6 Rigid ceiling direc bracing, Except:	heathing directly applie except end verticals, ar 5-0-0 max.): 13-16. tly applied or 10-0-0 oc	BOT d or id	CHORD	1-2=0/6, $2-3=-364/34-5=-291/28$, $5-6=-37-8=-224/22$, $8-10=11-12=-169/78$, $12-13-14=-132/102$, $1415-16=-132/101$, $162-30=-133/100$, $29-28-29=-133/100$, $2224-25=-133/100$, $2224-25=-133/101$, $221-22=-133/101$, $1817-18=-133/101$	266/25, -211/30 13=-15 4-15=-1 30=-13 30=-13 7-28=-1 5-26=-1 2-24=-1 3-19=-1 3-19=-1	6-7=-242/23, 1, 10-11=-183 2/102, 32/101, 01/94 3/100, 33/100, 33/100, 33/101, 33/101, 33/101, 33/101,		on 3-0 chc 10) All 11) Prc bea 17, upl 24, upl 29, upl	the botto 6-00 tall ord and a bearings vide me aring pla 45 lb up ift at join 41 lb up ift at join 87 lb up ift at join	om cho by 2-0 any oth are as chanic te capa olift at ju t 22, 52 olift at ju t 27, 44 olift at ju t 18.	rd in all areas wh 10-00 wide will fit I ter members. ssumed to be SPI al connection (by able of withstandii oint 20, 47 lb uplif 2 lb uplift at joint 2 oint 25, 49 lb uplift 8 lb uplift at joint 2 oint 30, 49 lb uplift	between the bottom F No.2 . others) of truss to og 20 lb uplift at joint t at joint 21, 47 lb 23, 49 lb uplift at joint t at joint 26, 47 lb 28, 47 lb uplift at joint t at joint 19 and 49 lb
WEBS	1 Row at midpt		VVE		13-20=-127/72, 12- 11-22=-137/71, 10-		,						
$\begin{array}{c} 14-19, 15-18 \\ \hline 15-19, $				TES Unbalanced this design. Wind: ASCE Vasd=91mpl II; Exp C; Err cantilever lef right expose Truss desig only. For stu see Standar or consult qu Provide ader All plates are Gable requir Gable studs This truss ha	11-22=-137/71, 10-23=-150/76, 9-24=-139/73, 8-25=-130/65, 7-26=-142/73, 6-27=-140/71, 5-28=-140/72, 4-29=-140/71, 3-30=-140/111, 14-19=-155/66, 15-18=-119/124 ad roof live loads have been considered for n. E7-16; Vult=115mph (3-second gust) hph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. Enclosed; MWFRS (envelope) exterior zone; left and right exposed ; end vertical left and sed; Lumber DOL=1.60 plate grip DOL=1.60 igned for wind loads in the plane of the truss studs exposed to wind (normal to the face), ard Industry Gable End Details as applicable, qualified building designer as per ANSI/TPI 1. Bequate drainage to prevent water ponding. are 2x4 MT20 unless otherwise indicated. uires continuous bottom chord bearing. ds spaced at 2-0-0 oc. has been designed for a 10.0 psf bottom load nonconcurrent with any other live loads.				 13) Graphical purlin representation does not depict the or the orientation of the purlin along the top and/or bottom chord. LOAD CASE(S) Standard 				ANSI/TPI 1. s not depict the size the top and/or
FORCES	Tension	ompression/Maximum										February	

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 195 HT	
B240015	A2	Half Hip	1	1	Job Reference (optional)	163679785

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:01 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

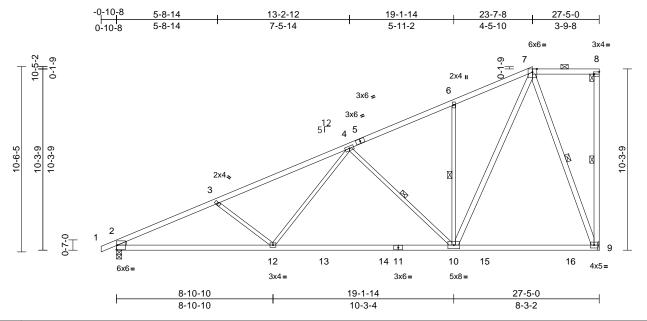


Plate Offsets (X, Y): [2:Edge,0-3-2], [8:Edge,0-1-8]

Scale = 1:65.4

- 1410 0110010	(/(, :): [<u>L:Edge;e e L]</u> ;	[o:=ago;o : o]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	3/TPI2014	CSI TC BC WB Matrix-S	0.74 0.60 0.64	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.25 -0.44 0.05 0.08	(loc) 10-12 10-12 9 2-12	l/defl >999 >738 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 123 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD	 2x4 SPF 2100F 1.8E 2x3 SPF No.2 *Exce No.2 Left: 2x3 SPF No.2 Structural wood she 3-0-1 oc purlins, ex 2-0-0 oc purlins (6-0 	ept* 8-9,10-7,9-7:2x4 athing directly applic cept end verticals, a -0 max.): 7-8.	6) 7) 8) ed or nd 9)	on the botton 3-06-00 tall I chord and au All bearings Refer to gird Provide med bearing plate 9 and 208 lb This truss is	has been designed m chord in all area by 2-00-00 wide winy other members, are assumed to be ler(s) for truss to tr thanical connection e capable of withst uplift at joint 2. designed in accor Residential Code	s where ill fit betw , with BC e SPF Ne uss conr n (by oth anding 2 dance w	a rectangle veen the botto CDL = 10.0psf o.2 . nections. ers) of truss t 206 lb uplift at ith the 2018	om f. to t joint					
BOT CHORD WEBS REACTIONS	bracing. 1 Row at midpt	8-9, 4-10, 6-10, 7-9 9= Mechanical C 5) C 8), 9=-206 (LC 8)	10) LO	R802.10.2 a Graphical pu	nd referenced star urlin representation ation of the purlin a d.	ndard AN n does no	NSI/TPI 1. ot depict the s						
FORCES	(lb) - Maximum Com Tension 1-2=0/6, 2-3=-2488/ 4-6=-1138/207, 6-7= 8-9=-123/79	397, 3-4=-2229/319	,										
BOT CHORD	 2-12=-509/2212, 10- 9-10=-144/407 3-12=-392/245, 4-12 4-10=-817/277, 6-10 7-10=-296/1386, 7-9 	2=-35/718,)=-342/185,									B	TATE OF M	AISSOL
this desig 2) Wind: AS Vasd=91	ced roof live loads have	been considered fo (3-second gust) DL=6.0psf; h=25ft; (Cat.							(ANDR THOM THOM THOM TOHNS	string

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.

RELEASE OR DESTRUCTION AS NOTED ON FLANS REVIEW DEVELORMENT SERVICES LEE'S SUMMIT'S MISSOURI 03/12/2024 12:22:32

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PE-201701899

February 19,2024

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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)

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	A3	Half Hip	1	1	Job Reference (optional)	163679786

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:01

Wheeler Lumber, Waverly, KS - 66871,

Scale = 1:75.9

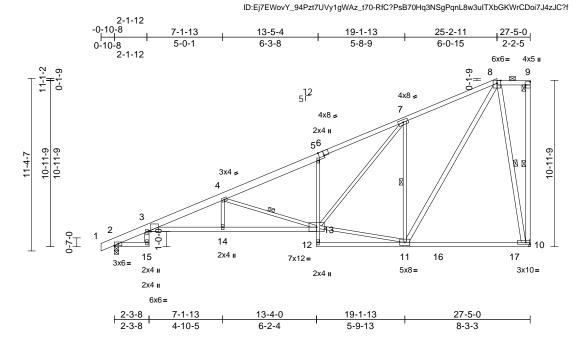


Plate Offsets (X, Y): [3:0-1-6,Edge], [6:0-4-0,Edge], [9:Edge,0-3-8]

	(, .). [[eie : e,==ge], [ei=				_							
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	8/TPI2014	CSI TC BC WB Matrix-S	0.96 0.69 0.95	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.36 -0.63 0.36 0.30	(loc) 3-14 3-14 10 3-14	l/defl >909 >518 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 153 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2.0E 2x4 SPF No.2 *Exce 1.8E, 5-12:2x3 SPF 2x3 SPF No.2 *Exce 9-10,15-3,8-11,10-8: Structural wood she except end verticals (6-0-0 max.): 8-9. Rigid ceiling directly bracing. 1 Row at midpt	2 2 2 2 2 2 2 2 2 2 4 3 2 2 4 3 2 2 4 3 2 2 4 3 2 2 4 3 2 2 4 3 2 2 4 3 2 2 4 3 2 2 4 3 2 2 4 3 2 7 2 2 2 4 3 2 4 3 2 5 2 2 2 2 4 3 2 5 2 2 2 2 2 2 2 2 2 2 2 2 2	100F 5) ed, 7) s 8) 10 10	This truss ha chord live lo * This truss lo 3-06-00 tall l chord and at All bearings Refer to gird Provide mec bearing platt 10 and 207 This truss is International R802.10.2 a 9) Graphical pu	quate drainage to as been designed ad nonconcurrent has been designe m chord in all area by 2-00-00 wide w ny other members are assumed to b ler(s) for truss to t chanical connectic e capable of withs bl uplift at joint 2. designed in acco I Residential Code nd referenced sta urlin representatio ation of the purlin d.	for a 10. with any d for a liva as where vill fit betw s, with BC e SPF N russ com n (by oth tanding 2 rdance w e sections ndard At n does n	0 psf bottom other live loa re load of 20.1 CDL = 10.0psi o.2. hections. ers) of truss i 237 lb uplift al tith the 2018 s R502.11.1 a vSI/TPI 1. bt depict the s	ads. Opsf om f. to t joint					
FORCES	(lb) - Maximum Com Tension 1-2=0/12, 2-3=-871/	npression/Maximum 0, 3-4=-3439/567,	-	DAD CASE(S)	Standard								
BOT CHORD	12-13=0/77, 5-13=-3 10-11=-127/228	=-160/117, 9-10=-88, 5/3303, 13-14=-694/3 335/193, 11-12=-24/3	3302, 52,								A	ANDR	MISSOL
this desigr 2) Wind: ASC	3-15=-4/91, 4-14=0// 11-13=-149/920, 7-1 7-11=-1145/407, 8-1 8-10=-1145/247 ed roof live loads have n. CE 7-16; Vult=115mph	 13=-348/1380, 11=-350/1444, been considered for (3-second gust) 	r							l		ANDR THOM JOHN NUM PE-2017	AAS SON BER

 Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25f; 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

February 19,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	A4	Half Hip	1	1	Job Reference (optional)	163679787

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:02

Wheeler Lumber, Waverly, KS - 66871,

Scale = 1:83.1

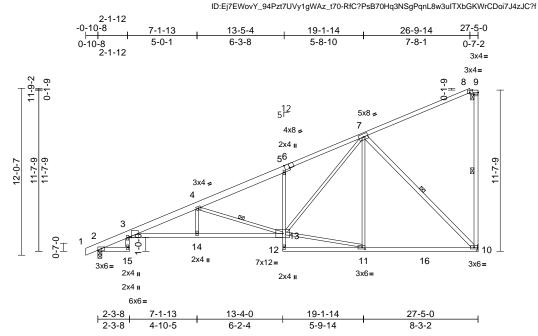


Plate Offsets (X, Y): [3:0-1-6,Edge], [6:0-4-0,Edge], [8:0-2-0,Edge], [9:Edge,0-1-8], [11:0-2-8,0-1-8]

		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	0.96	Vert(LL)	-0.35	3-14	>919	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.73	Vert(CT)	-0.62	3-14	>525	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.83	Horz(CT)	0.36	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/T	PI2014	Matrix-S		Wind(LL)	0.33	3-14	>986	240	Weight: 141 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS	2x4 SPF No.2 *Exce 2.0E 2x4 SPF No.2 *Exce 1.8E, 5-12:2x3 SPF 2x3 SPF No.2 *Exce SPF No.2 Structural wood she except end verticals (6-0-0 max.): 8-9. Rigid ceiling directly bracing. 1 Row at midpt	apt* 3-13:2x4 SPF 21 No.2 pt* 9-10,15-3,10-7:2 athing directly applie , and 2-0-0 oc purlins applied or 6-0-0 oc	F 5) * 00F c 33 x4 6) A 7) F d, 8) F 5 b 9) T	chord live loa This truss h on the bottom 8-06-00 tall b chord and an All bearings a Refer to girde Provide mech bearing plate 0 and 155 lk This truss is a nternational	s been designed f id noncourrent t as been designed in chord in all area y 2-00-00 wide wi y other members, are assumed to be er(s) for truss to tr nanical connection capable of withst o uplift at joint 2. designed in accor Residential Code d referenced star	with any d for a liv s where ill fit betv , with BC e SPF No uss conr n (by oth anding 3 dance w sections	other live loa e load of 20.0 a rectangle veen the botto DL = 10.0pst 0.2. ections. ers) of truss t 17 lb uplift at th the 2018 R502.11.1 a	Opsf om f. to t joint					
REACTIONS		.C 8), 10=-317 (LC 8)	10) (c b	Graphical pu	rlin representation tion of the purlin a l.	n does no	ot depict the s	size					
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	,	-1982/322, 7-8=-140)/46,										
BOT CHORD	2-15=0/0, 3-14=-893 12-13=0/77, 5-13=-2 10-11=-243/965	8/3326, 13-14=-893/3 277/161, 11-12=-27/4										TATE OF M	AISSO
WEBS	3-15=-8/91, 4-14=0/2 11-13=-220/951, 7-1 7-11=0/303, 7-10=-1	3=-366/1340,	,								A	THOM	
this design 2) Wind: ASC Vasd=91m II; Exp C; I cantilever exposed; I	ed roof live loads have CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed Lumber DOL=1.60 plat dequate drainage to pr	(3-second gust) DL=6.0psf; h=25ft; C nvelope) exterior zono ; end vertical left te grip DOL=1.60	at. e;							(NUME PE-20170	BER D18993 E

February 19,2024





Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	A5	Monopitch	4	1	Job Reference (optional)	163679788

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:02

Wheeler Lumber, Waverly, KS - 66871,

Scale = 1:80.4

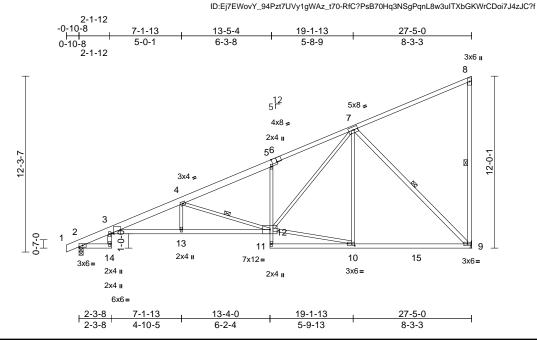


Plate Offsets (X, Y): [3:0-1-6,Edge], [6:0-4-0,Edge], [10:0-2-8,0-1-8]

		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		тс	0.96	Vert(LL)	-0.35	3-13	>919	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.73	Vert(CT)	-0.62	3-13	>525	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.84	Horz(CT)	0.36	9	n/a	n/a		
BCDL	10.0	Code	IRC2018	3/TPI2014	Matrix-S	_	Wind(LL)	0.33	3-13	>985	240	Weight: 142 lb	FT = 10%
LUMBER			3)	* This truss h	nas been designe	d for a liv	e load of 20	Onsf					
TOP CHORD	2x4 SPF No.2 *Exce	ont* 1-6.2v6 SP 2400)F		n chord in all are			000					
	2.0E	pt 1 0.2x0 01 2+00			oy 2-00-00 wide v			tom					
BOT CHORD			100F		ny other members are assumed to b			sf.					
WEBS	2x3 SPF No.2 *Exce		SPF 5)		er(s) for truss to t								
WEBS	No.2	pt 0-3, 14-3, 3-7.2A4	6)		hanical connectio			to					
BRACING			,		e capable of withs								
TOP CHORD	Structural wood she	athing directly applie	ed,		uplift at joint 2.								
	except end verticals		7)		designed in acco Residential Code			and					
BOT CHORD	0 0 ,	applied or 6-0-0 oc			nd referenced sta			anu					
WEBS	bracing. 1 Row at midpt	8-9, 4-12, 7-9	LC	DAD CASE(S)									
REACTIONS		9= Mechanical											
	Max Horiz 2=481 (L0												
	Max Uplift 2=-150 (L												
	Max Grav 2=1329 (I)										
FORCES	(lb) - Maximum Corr	pression/Maximum											
	Tension												
TOP CHORD			7/04										
	4-5=-2057/220, 5-7= 8-9=-241/124	-1981/309, 7-8=-14	7/81,										
BOT CHORD		5/3326 12-1380//	3326										
BOTCHORD	11-12=0/77, 5-12=-2											and	TO
	9-10=-245/967	10,100, 10 11-21	,									TATE OF M	Alson
WEBS	3-14=-8/91, 4-13=0/	268, 4-12=-1610/44	7,									A JE	-0.0 M
	10-12=-221/953, 7-1	12=-364/1336,									A	AT INTO	New Y
	7-10=0/304, 7-9=-13	360/344									A	S ANDI	
NOTES											Å.	THOM	
	CE 7-16; Vult=115mph									/	1 *	JØHN	SON X
	nph; TCDL=6.0psf; BC									- 1	K//	mild	mm
	Enclosed; MWFRS (er		ie;							C	83	NOMI	BER EA
	left and right exposed Lumber DOL=1.60 pla										NS	PE-2017	018993
	has been designed fo										N	The second	124
	load nonconcurrent wi		ds.								X	C'SSIONA	NON
		,										NONA	LELA
												UT-	~

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)

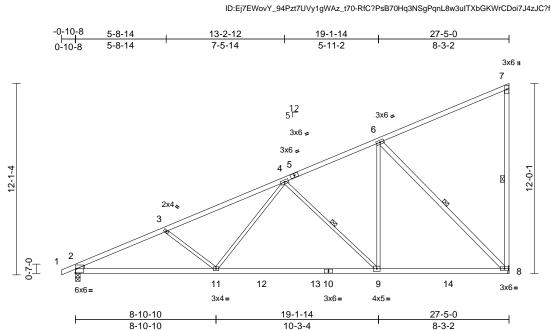


February 19,2024

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	A6	Monopitch	1	1	Job Reference (optional)	163679789

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:03

Wheeler Lumber, Waverly, KS - 66871,



Scale = 1:72.8 Plate Offsets (X, Y): [2:Edge,0-3-2]

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.82 0.59 0.87	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.26 -0.45 0.06 0.08	(loc) 9-11 9-11 8 9-11	l/defl >999 >721 n/a >999	L/d 360 240 n/a 240	MT20	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING	2x4 SPF No.2 2x4 SPF 2100F 1.8E 2x3 SPF No.2 *Exce Left: 2x3 SPF No.2		bearing pl 8 and 150 No.2 7) This truss Internation	echanical connect ate capable of with buplift at joint 2 is designed in act and Residential Co and referenced S) Standard	thstanding 3 2. ccordance woode sections	829 lb uplift a ith the 2018 s R502.11.1 a	at joint					
		cept end verticals. applied or 9-7-10 or 7-8, 4-9, 6-8 3= Mechanical C 8) C 8), 8=-329 (LC 8)	2									

FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/6, 2-3=-2503/266, 3-4=-2238/181, 4-6=-1143/65, 6-7=-144/83, 7-8=-245/126 BOT CHORD 2-11=-656/2227, 9-11=-422/1549, 8-9=-239/1001 WEBS 3-11=-407/259, 4-11=-51/728, 4-9=-766/256, 6-9=-56/969, 6-8=-1412/336

NOTES

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

NUMBER PE-2017018993

Page: 1

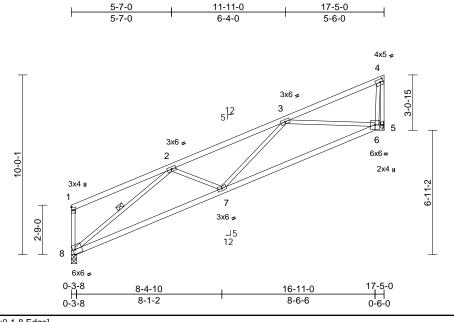
February 19,2024



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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	B1	Monopitch	7	1	Job Reference (optional)	163679790

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:03 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:64.2

Plate Offsets (X, Y): [4:0-1-14,0-2-0], [8:0-1-8,Edge]
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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	0.41		-0.13	6-7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.70	· · /	-0.29	6-7	>713	240	-	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.05	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.05	6-7	>999	240	Weight: 65 lb	FT = 20%
											0	
LUMBER				nechanical connect								
TOP CHORD			01	plate capable of with	nstanding 8	89 lb uplift at joi	int					
BOT CHORD			5.			where 0040						
WEBS	2x3 SPF No.2			s is designed in acc onal Residential Co			لم					
BRACING			D902 10	2 and referenced s			a					
TOP CHORD			ed of		lanuaru An	NOI/TELT.						
	4-4-8 oc purlins, ex			(S) Standard								
BOT CHORD	0 0 ,	applied or 10-0-0 o	C									
	bracing.											
WEBS	1 Row at midpt	2-8										
REACTIONS	()	anical, 8=0-3-8										
	Max Horiz 8=231 (L	,										
	Max Uplift 5=-89 (LC											
	Max Grav 5=774 (L	,, , ,										
FORCES	(lb) - Maximum Con	npression/Maximum										
	Tension											
TOP CHORD	,	,	15,									
BOT CHORD	3-4=-225/5, 4-5=-79 5-6=-24/29, 7-8=-28		200									
	,	,	306									
WEBS	2-8=-1542/135, 2-7= 3-6=-1054/210, 4-6=											
NOTEO	3-0=-1034/210, 4-0-	=0/711										
NOTES		(0										
	CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC		Cot								San	alle
	Enclosed; MWFRS (ei										TATE OF	MISO
	exposed ; end vertical									1	750	-00 M
	DOL=1.60 plate grip DC		, ,							R	AV AND	New York
	s has been designed fo									A	S AND	
	e load nonconcurrent w		ids.							Å.	/ THO	
	ss has been designed f								/	0	JOHN	spin 🔪 🛪 🖉
on the bo	ottom chord in all areas	where a rectangle							- 1	21	m	Luni
	all by 2-00-00 wide will	fit between the botte	om						U U	10-	NUM	BER $/ \approx 0$
	d any other members.									17	PE-2017	BER 1018993
	igs are assumed to be									N	-2017	SIG SIG
	girder(s) for truss to trus									Y	100	1 ONB
	at joint(s) 8 considers p)							C	PE-2017	TENA
	SI/TPI 1 angle to grain										CONA	
designer	should verify capacity of	of bearing surface.									na	

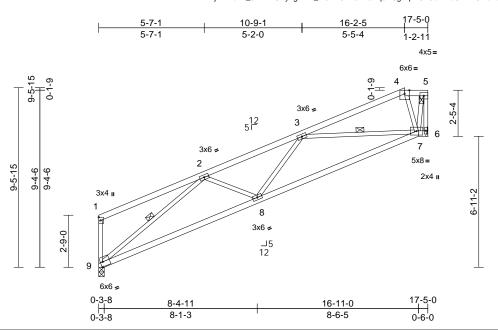
February 19,2024



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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	B2	Half Hip	1	1	Job Reference (optional)	163679791

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:03 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:61

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

Loading TCUL (rool) (ps) (ps) Spacing Particing (ps) 2-0-0 Particing (ps) CSI Particing (ps) DEFL Particing (ps) in (ps) (ps) Particing (ps) GRIP Particing (ps) C1U (rool) 10.0 Humber DOL (ps) 1.15 (ps) TC 0.34 Vert(CT) -0.13 7.8 >999 360 BCLL 0.0* Rep Stress Incr YES BC 0.69 Vert(CT) -0.05 6 n/a n/a BCLL 0.0* Rep Stress Incr YES WB 0.77 Vert(CT) -0.05 6 n/a n/a BCDL 1.00 Particing Code 7 Refer to gitter(s) for truss to truss concentions. 8 Bearing a pixely or biser space space list or gains or mula using ANS/TPI 1 angle to grain formula statistical ecapable of withstanding 74 bis uplift at joint 6. 7 Near the echanical connection (by othering surface. 9 9 7 Near the echanical connection (by othering surface. 9 9 7 Near the echanical connection (by othering surface. 9 9 7 Near the echanical connection (by otheracing surface. 9 9 </th <th>-</th> <th></th> <th></th> <th></th> <th></th> <th>-</th> <th>-</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	-					-	-						
TCLL (roof) 25.0 Plate Grip DOL 1.15 TC 0.38 7.4 3.999 360 MT20 197/144 BCL 0.0* Lumber DOL 1.15 BC 0.68 Vert(L) -0.13 7.4 >399 360 MT20 197/144 BCL 0.0* Lumber DOL 1.15 BC 0.68 Vert(L) -0.13 7.4 >399 360 MT20 197/144 BCDL 0.0* Lumber DOL 1.0 Code IRC2018/TP12014 Matrix-S Wind(L) 0.05 7.8 >272 Vert(L) -0.13 7.4 >399 360 MT20 197/144 LUMBER 100 Code IRC2018/TP11 IRC2018/TP	Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCDL 10.0 Lumber DOL 1.15 BC 0.68 Verri(CT) -0.28 7.8 >727 240 BCDL 10.0 Rep Stress Incr YES WB 0.77 Horr(CT) -0.28 7.8 >929 240 Weight: 66 lb FT = 20% LUMBER 70 Code YES 24 SPF No.2 Wind(LL) 0.05 7.8 >999 240 Weight: 66 lb FT = 20% BOT CHORD 2x4 SPF No.2 SPF No.2 SPF No.2 SPF No.2 Provide mechanical connections. Bearing altricity 3 price of maxi. +4.5. Bearing plate capable of withstanding 74 lb upift at joint . 5.7 <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.34</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td>						0.34						-	
BCLL 0.0' Rep Stress Incr YES MB 0.77 Morz(CT) 0.05 6 n/a n/a BCDL 10.0 Code IRC2018/TPI2014 Matrix-S 0.77 Morz(CT) 0.05 6 n/a n/a TOP CHORD 2x4 SPF No.2 Bearing at joint(s) 0.05 7.8 >999 240 Weight: 66 lb FT = 20% WEBS 2x3 SPF No.2 Bearing at joint(s) 0.05 7.8 >999 240 Weight: 66 lb FT = 20% WEBS 2x3 SPF No.2 Bearing at joint(s) 0.05 ft us to true to the second of the loads have been considered for this second of the loads have been considered for this second of the loads have been considered for this second of the loads have been considered for the loads. Northout the load of the loads have been considered for the loads. 10 This trues has been designed for a like load of the loads. 5-8-160/10, 5-8-2020 Stad the load of the loads. Northout the load of the loads. 20 Word ASCE 7-16, Wuh=115mph (3-8-3024), 4-7-160/857 NOTES North	()		1 1										
BCDL 10.0 Code IRC2018/TPI2014 Matrix-S Wind(LL) 0.05 7-8 >999 240 Weight: 66 lb FT = 20% LUMBER TOP CHORD D 2x4 SPF No.2 WEBS 2x3 SPF No.2 Refer to girder(s) for truss to truss connections. 8) Bearing at joint(s) 9: Downlars, society range to girder(s) 8) Bearing at joint(s) 9: Downlars, society range to girder(s) 8) Bearing at joint(s) 9: Downlars, society range to girder(s) 9 Provide mechanical connection (by others) of truss to designer should verify capabile of withstanding 74 lb upfit at joint 5. 0: Downlars, society range to girder(s) 9: Provide mechanical concordince with the 2018 Torp CHORD Structural wood sheathing directly applied or 10-0-00 bracing. 10: Downlars, society range to girder(s) 10: This truss is designed in accordance with the 2018 Tore CHORD Torp CHORD Structural wood sheathing brief 2-9.3-77 REACTIONS (size) 6: Mechanical, 9=-0-3-8 Max Horiz 3=211 (LC 5) Max Grave 6=774 (LC 1), 9=774 (LC 1) 10: Graphical putin representation does not depict the size or the crientation of the purlin along the top and/or bottom chord. LOAD CASE(S) Standard DOP CHORD D CHORD D 67=202012, 80=35; BCDL=-6.005; h=>257; CL3, L-1, 9==278/111, 7, 9==228/1143; WEBS 2-9=-778/121, 7-8=-228/1143; 3-7=-1047/184, 4-7=-191/03, 5-7=-16/857 NOTES 1) Unbalanced root live loads have been considered for this design. 2.00 port wolate qorgand for ming the posed; 1.00 portioid adeqqorub					-		· · ·					1	
 LUMBER TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 OF CHORD Structural wood sheathing directly applied or 4-70 oc putins, except end verticals, and 2-0-0 oc putins (6-0-0 max): 4-5. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc brazing. WEBS 1 Row at might 2-9, 3-7 REACTIONS (size) 6- Mechanical, 9=0-3-8 Max Grav 6-774 (LC 1), 9=774 (LC 1) Graphical putit capable of the putin along the top and/or bottom chord. I Graphical putit capable of the putin along the top and/or bottom chord. LOAD CASE(S) Standard VAD CASE(S) Standard LOAD CASE(S) Standar						0.11	· · /					Weight: 66 lb	FT – 20%
TOP CHORD 2x4 SPF No.2 8 BOT CHORD 2x4 SPF No.2 9 BRACINO 5 5 TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing. 9 Provide mechanical connection (by others) of truss to bracing. 9 BOT CHORD Rigit ceiling directly applied or 10-0-0 oc bracing. 9 WEBS 1 Row at micht 2-9.3-7 REACTIONS (size) 6 6 Max Horiz 9-211 (LC 8) 10 This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R83000000000000000000000000000000000000		10.0	oode		Matrix 0		Wind(LL)	0.00	10	2000	240	Weight. 00 lb	11 = 2070
FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-9=-190/45, 1-2=-112/57, 2-3=-1508/115, 3-4=-327/23, 4-5=-170/19, 5-6=-822/0 BOT CHORD 6-7=-20/21, 8-9=-275/1311, 7-8=-228/1413 WEBS 2-9=-1514/129, 2-8=0/267, 3-8=0/282, 3-7=-1047/184, 4-7=-191/63, 5-7=-16/857 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vaad=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 paft grip DOL=1.60 3) Provide adequate drainage to prevent water ponding. 4) This truss has been designed for a live loads. 5) * This truss has been designed for a live load of 20.0psf envelues designed f	TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SPF No.2 2x3 SPF No.2 Structural wood she 4-7-0 oc purlins, ex 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. 1 Row at midpt (size) 6= Mecha Max Horiz 9=211 (LC	cept end verticals, ar -0 max.): 4-5. applied or 10-0-0 oc 2-9, 3-7 inical, 9=0-3-8 C 5)	8) Bearing a using ANS designer s 9) Provide m bearing pl nd 6. 10) This truss Internation R802.10.2 11) Graphical or the orie bottom ch	joint(s) 9 considers I/TPI 1 angle to gra hould verify capacit echanical connectio ate capable of withs is designed in accor- al Residential Code and referenced sta purlin representation natation of the purlin ord.	parallel t in formula y of beari on (by oth tanding 7 rdance w e sections indard AN n does no	to grain value a. Building ing surface. ers) of truss t '4 lb uplift at j ith the 2018 § R502.11.1 a NSI/TPI 1. ot depict the s	to joint and					
FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-9=-190/45, 1-2=-112/57, 2-3=-1508/115, 3-4=-327/23, 4-5=-170/19, 5-6=-822/0 BOT CHORD 6-7=-20/21, 8-9=-275/1311, 7-8=-228/1413 WEBS 2-9=-1514/129, 2-8=0/267, 3-8=0/282, 3-7=-1047/184, 4-7=-191/63, 5-7=-16/857 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0ps; h=25f; 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 3) Provide adequate drainage to prevent water ponding. 4) This truss has been designed for a live loads. 5) * This truss has been designed for a live loads. 5) * This truss has been designed for a live load of 20.0psf are the battern of bord in oil oncen where a restoredia.			,										
Tension TOP CHORD 1-9=-190/45, 1-2=-112/57, 2-3=-1508/115, 3-4=-327/23, 4-5=-170/19, 5-6=-822/0 BOT CHORD 6-7-20/21, 8-9=-275/1311, 7-8=-228/1413 WEBS 2-9=-1514/129, 2-8=0/267, 3-8=0/282, 3-7=-1047/184, 4-7=-191/63, 5-7=-16/857 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vaad=91mph; TCDL=6.0ps; BCDL=6.0ps; 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 3) Provide adequate drainage to prevent water ponding. 4) This truss has been designed for a live load of 20.0psf ex the battern effort in the rome where a centranel to 5) * This truss has been designed for a live load of 20.0psf ex the battern effort in end the part in end the part in end to a centranel to		(,, ()										
TOP CHORD 1-9=-190/45, 1-2=-112/57, 2-3=-1508/115, 3-4=-327/23, 4-5=-170/19, 5-6=-822/0 BOT CHORD 6-7=-20/21, 8-9=-275/1311, 7-8=-228/1413 WEBS 2-9=-1514/129, 2-8=0/267, 3-8=0/282, 3-7=-10/47/184, 4-7=-191/63, 5-7=-16/857 NOTES 1) 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60 3) Provide adequate drainage to prevent water ponding. 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 5) * This truss has been designed for a live load of 20.0psf end the due to t	FORCES		ipression/iviaximum										
3-4=-327/23, 4-5=-170/19, 5-6=-822/0 BOT CHORD 6-7=-20/21, 8-9=-275/1311, 7-8=-228/1413 WEBS 2-9=-1514/129, 2-8=0/267, 3-8=0/282, 3-7=-1047/184, 4-7=-191/63, 5-7=-16/857 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60 3) Provide adequate drainage to prevent water ponding. 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 5) * This truss has been designed for a live load of 20.0psf en the battme obded in ell proper where a contened of	TOP CHORD		12/57 2-3=-1508/11	5									
BOT CHORD 6-7=-20/21, 8-9=-275/1311, 7-8=-228/1413 WEBS 2-9=-1514/129, 2-8=0/267, 3-8=0/282, 3-7=-104877 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60 3) Provide adequate drainage to prevent water ponding. 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 5) * This truss has been designed for a 10.0 psf bottom chord live load for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.				0,									
 3-7=-1047/184, 4-7=-191/63, 5-7=-16/857 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60 3) Provide adequate drainage to prevent water ponding. 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 5) * This truss has been designed for a live load of 20.0psf and been designed for a live load of 20.0psf 	BOT CHORD	,	,	13									
 3-7=-1047/184, 4-7=-191/63, 5-7=-16/857 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; Lumber DoL=1.60 plate grip DOL=1.60 3) Provide adequate drainage to prevent water ponding. 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 5) * This truss has been designed for a live load of 20.0psf end bed in ender the battom ender the dation ender the d		,	,										
 Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=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 Provide adequate drainage to prevent water ponding. This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf en the battom ender the particular for the partic		3-7=-1047/184, 4-7=	-191/63, 5-7=-16/85	7									
 Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=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 Provide adequate drainage to prevent water ponding. This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf en the bottom echord in gurden where a strateging. 	NOTES	,	,										
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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 THOMAS 3) Provide adequate drainage to prevent water ponding. JATINSON 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. NUMBER 5) * This truss has been designed for a live load of 20.0psf en the better expendence PE-2017018993	,											A. OF	MISC
 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 6) All bearings are assumed to be SPF No.2. 	 Wind: ASC Vasd=91m II; Exp C; E and right e: Lumber DC Provide ad This truss f chord live I * This truss on the botto 3-06-00 tall chord and a 	E 7-16; Vult=115mph ph; TCDL=6.0psf; BC Enclosed; MWFRS (er xposed ; end vertical 1 DL=1.60 plate grip DO equate drainage to pr has been designed for oad nonconcurrent wi s has been designed f om chord in all areas 1 by 2-00-00 wide will any other members.	DL=6.0psf; h=25ft; C velope); cantilever le left and right exposed vL=1.60 event water ponding. r a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle fit between the bottom	eft d; Js. psf						(ł	NUM PE-2017	BER 018993

CTION VIEW DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 03/12/2024 12:22:32

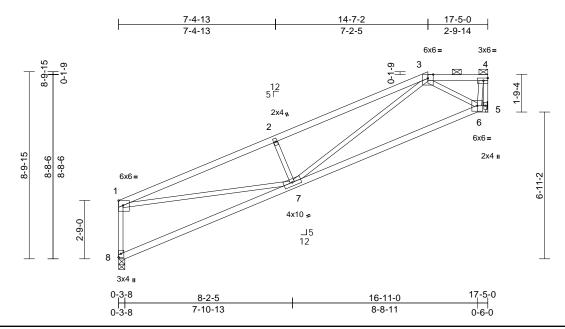
February 19,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	В3	Half Hip	1	1	Job Reference (optional)	163679792

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:03 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:54.3

Plate Offsets	(X,	Y):	[1:Edge,0-2-12]
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					-							
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.77	Vert(LL)	-0.14	6-7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.32	6-7	>653	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.09	6-7	>999	240	Weight: 64 lb	FT = 20%
BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS (2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 Structural wood shee 2-2-0 oc purlins, exi 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. (size) 5= Mecha Max Horiz 8=239 (LC Max Uplift 5=-162 (L Max Grav 5=774 (LC	cept end verticals, ar -0 max.): 3-4. applied or 10-0-0 oc nical, 8=0-3-8 C 5) C 8), 8=-79 (LC 8)	using ANS designer s 9) Provide m bearing pla 8 and 162 10) This truss Internation R802.10.2 11) Graphical		ain formul ty of bear on (by oth standing 7 ordance w e sections andard AN on does no	a. Building ing surface. ers) of truss to '9 lb uplift at jo ith the 2018 \$ R502.11.1 at ISI/TPI 1. ot depict the si	pint nd					
FORCES	(lb) - Maximum Com											
	Tension											
TOP CHORD BOT CHORD WEBS NOTES	1-8=-726/202, 1-2=- 2-3=-1629/437, 3-4= 5-6=-14/25, 7-8=-24 1-7=-313/1560, 2-7= 3-6=-591/238, 4-6=-	-240/37, 4-5=-858/7 6/118, 6-7=-247/824 -524/276, 3-7=-265/										
 Unbalanced this design. Wind: ASCI Vasd=91mj II; Exp C; E cantilever le right exposs. Provide add This truss h chord live le * This truss on the bott 3-06-00 tall chord and a All bearings 	d roof live loads have E 7-16; Vult=115mph ph; TCDL=6.0psf; BC inclosed; MWFRS (er eft and right exposed ed; Lumber DOL=1.6 equate drainage to pr has been designed for oad nonconcurrent wi has been designed for om chord in all areas by 2-00-00 wide will any other members. s are assumed to be S der(s) for truss to trus	(3-second gust) DL=6.0psf; h=25ft; C welope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 event water ponding • 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.	Cat. e; d 50 · Is. psf						L		ANDI THOT JOHN PE-2017	MAS SON HER 1018993



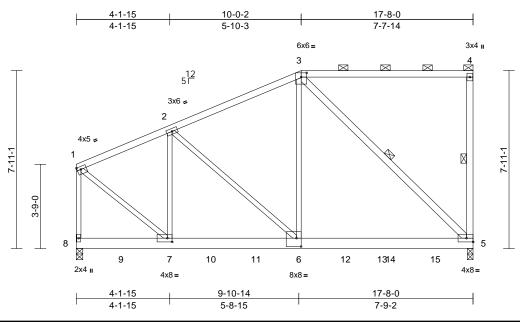
February 19,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	B4	Half Hip Girder	1	2	Job Reference (optional)	163679793

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:04 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:51.3

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

Loading (psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 25.0	Plate Grip DOL	1.15	TC	0.44	Vert(LL)	-0.11	5-6	>999	360	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.21	5-6	>999	240		
BCLL 0.0*	Rep Stress Incr	NO	WB	0.64	Horz(CT)	0.01	5	n/a	n/a		
BCDL 10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.07	5-6	>999	240	Weight: 209 lb	FT = 20%
BRACING TOP CHORD Structural wood sheat 6-0-0 oc purlins, ext 2-0-0 oc purlins (6-0 BOT CHORD Rigid ceiling directly bracing. WEBS 1 Row at midpt REACTIONS (size) 5=0-3-0, 6	applied or 10-0-0 oc 4-5, 3-5 3=0-3-8	Vasd=91mp II; Exp C; E cantilever le right expose 4) Provide ade of or 5) This truss h chord live lo 3-06-00 tall chord and a 7) All bearings	57-16; Vult=115mp h; TCDL=6.0psf; B iclosed; MWFRS (if ft and right expose d; Lumber DOL=1. quate drainage to p as been designed ft ad nonconcurrent v has been designed m chord in all areas by 2-00-00 wide wi ny other members, are assumed to be thanical connections	CDL=6.0 envelope d; end v 60 plate prevent v for a 10.0 with any I for a live s where II fit betw with BC e SP 240	Dpsf; $h=25ft$; $h=25ft$; $h=25ft$; $h=25ft$; $h=25ft$; $h=25ft$; $h=26ft$;	ne; nd 60 g. ads. 0psf om f.			-667 (B), 6=-667 (B), 9=	=-667 (B), 10=-667 14=-667 (B), 15=-667
Max Horiz 8=311 (LC Max Uplift 5=-416 (L Max Grav 5=3512 (L	C 5) C 5), 8=-324 (LC 8) .C 1), 8=3392 (LC 1)	bearing plat 9) Provide me	chanical connection e at joint(s) 5. Chanical connection e capable of withsta	n (by othe	ers) of truss t	to					
FORCES (lb) - Maximum Com Tension	pression/Maximum		uplift at joint 8.		uh uh a 0040						
TOP CHORD 1-2=-2612/255, 2-3= 4-5=-258/111, 1-8=-3		86, Internationa R802.10.2 a	designed in accord Residential Code nd referenced stan	sections	R502.11.1 a	and					
BOT CHORD 7-8=-286/73, 6-7=-3 WEBS 2-7=-374/125, 2-6=- 3-5=-3244/372, 1-7=	35/125, 3-6=-214/281	1, or the orient bottom choi		along the	top and/or	size					
 NOTES 2-ply truss to be connected toget (0.131"x3") nails as follows: Top chords connected as follows oc, 2x3 - 1 row at 0-9-0 oc. Bottom chords connected as follows staggered at 0-9-0 oc. Web connected as follows: 2x3 - 1 row at 0-9-0 oc. All loads are considered equally except if noted as front (F) or bac CASE(S) section. Ply to ply conn 	s: 2x4 - 1 row at 0-9-0 ows: 2x6 - 2 rows 1 row at 0-9-0 oc, 2x applied to all plies, ck (B) face in the LOA	provided su lb down and at 11-7-3, 6 down and 5 at 17-7-3, 6 lb down and 4 - lb up at 23- of such con others.	r other connection of ficient to support of 52 lb up at 9-7-3, 67 lb down and 58 8 lb up at 15-7-3, 6 67 lb down and 58 58 lb up at 21-7-3 7-3 on bottom chor nection device(s) is Standard of Live (balanced):	oncentra 667 lb d lb up at 667 lb do lb up at 3, and 66 d. The d the resp	ted load(s) 6 lown and 58 l 13-7-3, 667 wn and 58 lb 19-7-3, and 7 lb down an design/select ponsibility of	lb up lb o up 667 nd 58 ion		l		NUM PE-2017	AAS JON BER 018993

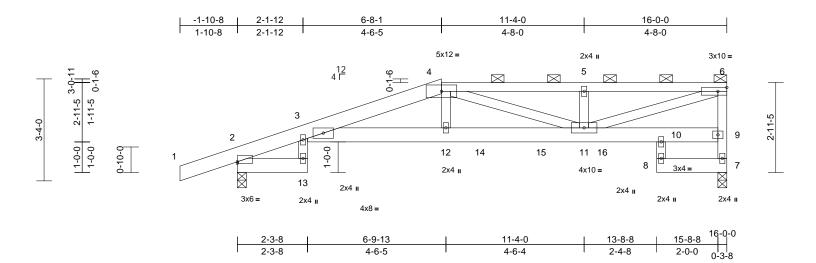
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February 19,2024

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	C1	HALF HIP GIRDER	1	2	Job Reference (optional)	163679794

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:04 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

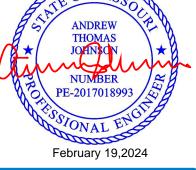


Scale = 1:37.7

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.50	Vert(LL)	-0.13	3-12	>999	360	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15		BC	0.73	Vert(CT)	-0.23	3-12	>828	240	_		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.41	Horz(CT)	0.16	7	n/a	n/a			
BCDL	10.0	Code	IRC20	18/TPI2014	Matrix-S		Wind(LL)	0.11	3-12	>999	240	Weight: 162	lb FT = 10%	
LUMBER			2) All loads are	considered equall	y applie	d to all plies,		1) De	ead + Ro	oof Live	e (balanced): L	umber Increase=	1.15,
TOP CHORD	2x6 SP 2400F 2.0E No.2	*Except* 4-6:2x4 SP	F		ed as front (F) or b ction. Ply to ply co			DAD		ate Incre hiform Le				
BOT CHORD	2x6 SPF No.2 *Exce	nt* 10 9.2v/ ODE No			distribute only load						,	,	=-20, 3-10=-20, 7-	-820
WEBS	2x4 SPF No.2 Exce	pt 10-0.274 SFF NC	0.2		wise indicated.	onotou	uo (i) oi (b),				,	ads (lb)	20, 3-1020, 7-	-0=-20
BRACING	2.41 011 110.2		3) Unbalanced	roof live loads hav	e been	considered fo	r					F), 14=-230 (F), 1	5=-230
TOP CHORD	Structural wood she	athing directly applie	d or	this design.						(F), 16=			,,	
	6-0-0 oc purlins, ex				7-16; Vult=115mp									
	2-0-0 oc purlins (6-0	-0 max.): 4-6.			h; TCDL=6.0psf; B									
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc	:		closed; MWFRS (
	bracing, Except:				ft and right expose d; Lumber DOL=1.									
	6-0-0 oc bracing: 7-8		F		quate drainage to p									
REACTIONS	()				as been designed f			.						
	Max Horiz 2=120 (LC	,		chord live lo	ad nonconcurrent v	with any	other live loa	ds.						
	Max Uplift 2=-394 (L Max Grav 2=1405 (L		7		has been designed			Opsf						
	(,, (,			m chord in all area									
FORCES	(lb) - Maximum Com Tension	pression/Maximum			oy 2-00-00 wide wi		veen the botto	om						
TOP CHORD	1-2=0/18, 2-3=-662/	135 3-44231/1084			ny other members.		~ 2							
	4-5=-3379/897, 5-6=		r, c		are assumed to be hanical connectior			~						
	7-9=-1475/395, 6-9=		2		e capable of withst									
BOT CHORD	2-13=0/0, 3-12=-105				uplift at joint 2.	unung c		John						
	11-12=-1070/4163,	10-11=-88/208,	1		designed in accord	dance w	ith the 2018						CCC.	
	9-10=-93/225, 8-10=				Residential Code			nd				A	Din	
WEBS	3-13=-30/171, 4-12=				nd referenced star							B.F. OF	MISSON	
	4-11=-828/236, 5-11 6-11=-875/3356	=-319/163,	1		Irlin representation			size			4	A		Y
NOTEO	0-11=-8/5/3350				ation of the purlin a	along the	e top and/or				A	STATE OF	DREW P	N
NOTES	to be seened to			2) Hanger(c) o	a. other connection	dovice (c					U	/ THO	OMAS	N
	to be connected toget) nails as follows:	iner with 10a			ficient to support c			50					NICN .	* 12
	s connected as follows.				145 lb up at 6-8-1					/		L. and		and.
	at 0-9-0 oc 2x4 - 1 ro				. 230 lb down and					(XX	M M	TRUCKY	.Й

staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc. Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc. Web connected as follows: 2x4 - 1 row at 0-9-0 oc. up at 7-11-4, 230 lb down and 73 lb up at 9-11-4, and 230 lb down and 73 lb up at 11-11-4, and 230 lb down and 71 lb up at 13-10-4 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard



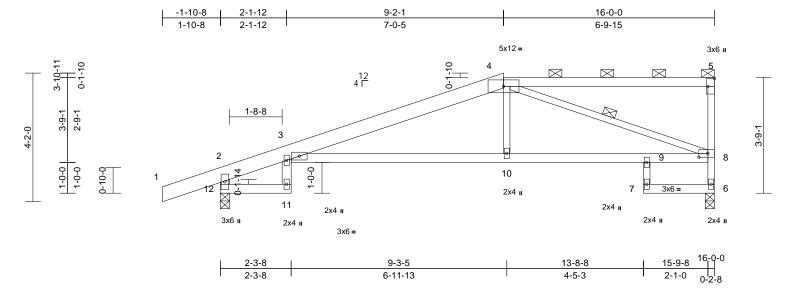
Page: 1

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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	C2	Half Hip	1	1	Job Reference (optional)	163679795

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:05 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:37.3

Plate Offsets (X, Y): [3:0-0-3.0-0-7], [5:Edge.0-2-8], [8:0-3-8.0-1-8]

Plate Offsets ((X, Y): [3:0-0-3,0-0-7],	[5:Edge,0-2-8], [8:0-	-3-8,0-1-8]			-							
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.61 0.62 0.59	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.21 -0.43 0.25 0.18	(loc) 3-10 3-10 6 3-10	l/defl >888 >440 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 68 lb	GRIP 197/144 FT = 10%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	No.2 2x4 SPF No.2 *Exce 2x3 SPF No.2 *Exce No.2 Structural wood she 6-0-0 oc purlins, ex 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing, Except: 6-0-0 oc bracing; 6- 1 Row at midpt	ept* 9-7:2x3 SPF No. spt* 11-3,12-2:2x4 SI athing directly applie cept end verticals, ar -0 max.): 4-5. applied or 10-0-0 oc 7. 4-8 12=0-3-8 .C 5) C 4), 12=-216 (LC 4	2 2 PF 6 PF 6 7 ed or 8 0 9 2 9 L	 * This truss I on the bottou 3-06-00 tall I chord and an All bearings Provide mec bearing plate 6 and 216 lb This truss is International R802.10.2 a Graphical pu 		as where vill fit betw s. De SPF N on (by oth standing 1 ordance w e sections andard AN on does no	e load of 20. a rectangle veen the bott c.2. ers) of truss 34 lb uplift a th the 2018 5 R502.11.1 a NSI/TPI 1. bt depict the	tom to it joint and						
FORCES	(lb) - Maximum Com Tension 1-2=0/45, 2-3=-262/ 4-5=-66/36, 6-8=-67 2-12=-851/234	10, 3-4=-1282/215,												
 this design Wind: AS0 Vasd=91n II; Exp C; cantilever right expo Provide au This truss 	11-12=0/0, 3-10=-21 8-9=-213/1221, 7-9= 3-11=-1/48, 4-10=0/	=0/34, 6-7=-6/10 309, 4-8=-1235/222 been considered for (3-second gust) DL=6.0psf; h=25ff; C twelope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 event water ponding r a 10.0 psf bottom	Cat. de; d0 50							(*	ANDI THO JOHN PE-2017 February	MAS SON ★	

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RELEASE ORCONSTRUCTION AS NOTED ON PLANS REVIEW DEVELORMENT SERVICES LEE'S SUMMIT'S MISSOURI 03/12/2024 12:22:33

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	C3	Half Hip	1	1	Job Reference (optional)	163679796

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:05

Wheeler Lumber, Waverly, KS - 66871,

ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f 5-10-13 11-7-2 16-0-0 -1-10-8 1-10-8 5-10-13 5-8-5 4-4-14 6x6 = 2x4 II Δ 1<u>2</u> \boxtimes \bowtie 2x4 💊 3 4-9-9 4-6-12 2 4-6-12 4-6-0-10-0 -6 8 Ø X 7 6 8x8 II 3x4 = 3x4 = 7-10-7 16-0-0 7-10-7 8-1-9 Scale - 1:37 4

Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.14	6-7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.31	6-7	>608	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.07	6-7	>999	240	Weight: 55 lb	FT = 10%

LUMBER

TOP CHORD	2x4 SPF 2100F 1.8E *Except* 4-5:2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x3 SPF No.2 *Except* 8-2:2x6 SP 2400F 2.0E
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	5-10-10 oc purlins, except end verticals, and
	2-0-0 oc purlins (10-0-0 max.): 4-5.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 6=0-3-8, 8=0-3-8
	Max Horiz 8=177 (LC 4)
	Max Uplift 6=-149 (LC 4), 8=-203 (LC 4)
	Max Grav 6=695 (LC 1), 8=862 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-2=0/47, 2-3=-1147/177, 3-4=-905/132,
	4-5=-2/3, 2-8=-774/236
BOT CHORD	7-8=-265/1000, 6-7=-134/499
WEDO	

WEBS 5-6=-134/54, 3-7=-282/194, 4-7=-42/506, 4-6=-709/190

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * 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.
- 6) All bearings are assumed to be SPF No.2 .

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 203 lb uplift at joint 8 and 149 lb uplift at joint 6.

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

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

LOAD CASE(S) Standard



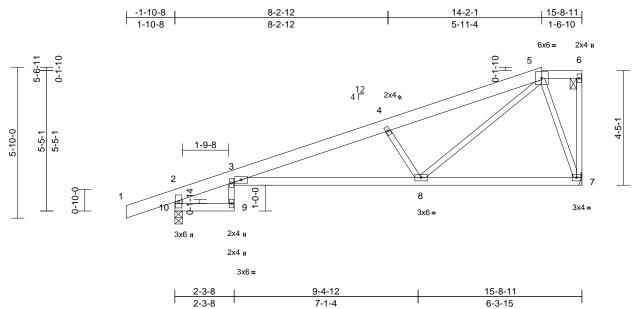




Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	C4	Half Hip	1	1	Job Reference (optional)	163679797

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:05 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:44.5

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

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	1.00	Vert(LL)	-0.22	3-8	>852	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.67	Vert(CT)	-0.45	3-8	>409	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.39	Horz(CT)	0.22	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/	/TPI2014	Matrix-S		Wind(LL)	0.14	3-8	>999	240	Weight: 64 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 *Exce 2x3 SPF No.2 *Exce Structural wood she except end verticals (6-0-0 max.): 5-6. Rigid ceiling directly bracing. (size) 7= Mecha Max Horiz 10=168 (L Max Uplift 7=-40 (LC	pt* 9-3:2x3 SPF No. pt* 10-2:2x4 SPF No athing directly applie , and 2-0-0 oc purlin applied or 10-0-0 oc anical, 10=0-3-8 LC 5) 2 4), 10=-89 (LC 4)	2 8) 2 5.2 9) sd, s 10)	Provide mech bearing plate 7 and 89 lb u This truss is International R802.10.2 ar Graphical pu		on (by oth standing 4 ordance wi e sections andard AN on does no	ers) of truss 0 lb uplift at th the 2018 R502.11.1 a ISI/TPI 1. ot depict the	joint and					
	Max Grav 7=687 (L0	C 1), 10=847 (LC 1)											
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	4-5=-1212/78, 5-6=- 2-10=-851/106 9-10=-5/11, 3-9=-4/6	55/37, 6-7=-50/13,											
	7-8=-39/216		•										
WEBS	4-8=-723/151, 5-8=-	52/1136, 5-7=-644/6	0										
 this desig Wind: ASI Vasd=91r II; Exp C; and right and right and right and right and right and right and and and and and and and and and and	ed roof live loads have n. CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er exposed; end vertical I OCL=1.60 plate grip DC dequate drainage to pr i has been designed fo load nonconcurrent wi ss has been designed f ttom chord in all areas all by 2-00-00 wide will d any other members. gs are assumed to be s	(3-second gust) DL=6.0psf; h=25f; C hvelope); cantilever I left and right expose DL=1.60 event water ponding 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	Cat. eft d; ds. psf							(*	AND THO JOH PE-2017	MAS ISON BER 7018993

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February 19,2024

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	C5	Monopitch	7	1	Job Reference (optional)	163679798

8-10-13

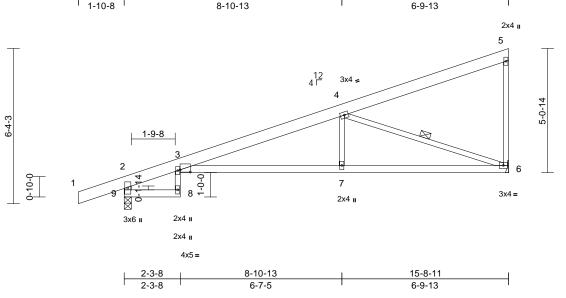
Wheeler Lumber, Waverly, KS - 66871,

-1-10-8

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:05 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



15-8-11 6-9-13 2x4 🛛



Scale = 1:47.1 Plate Offsets (X, Y): [3:0-4-15,0-1-2]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	тс	1.00	Vert(LL)	-0.25	3-7	>758	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.48	3-7	>389	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.25	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.16	3-7	>999	240	Weight: 63 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SPF No.2
BOT CHORD	2x4 SPF No.2 *Except* 8-3:2x3 SPF No.2
WEBS	2x3 SPF No.2 *Except* 9-2:2x4 SPF No.2
BRACING	
TOP CHORD	Structural wood sheathing directly applied,
	except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
WEBS	1 Row at midpt 4-6
REACTIONS	(size) 6= Mechanical, 9=0-3-8
	Max Horiz 9=186 (LC 5)
	Max Horiz 9=186 (LC 5) Max Uplift 6=-46 (LC 8), 9=-87 (LC 4)
FORCES	Max Uplift 6=-46 (LC 8), 9=-87 (LC 4)
FORCES	Max Uplift 6=-46 (LC 8), 9=-87 (LC 4) Max Grav 6=687 (LC 1), 9=847 (LC 1)
FORCES	Max Uplift 6=-46 (LC 8), 9=-87 (LC 4) Max Grav 6=687 (LC 1), 9=847 (LC 1) (lb) - Maximum Compression/Maximum
	Max Uplift 6=-46 (LC 8), 9=-87 (LC 4) Max Grav 6=687 (LC 1), 9=847 (LC 1) (lb) - Maximum Compression/Maximum Tension
	Max Uplift 6=-46 (LC 8), 9=-87 (LC 4) Max Grav 6=687 (LC 1), 9=847 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-2=0/45, 2-3=-297/0, 3-4=-1416/64, 4-5=-138/28, 5-6=-155/40, 2-9=-851/105
TOP CHORD	Max Uplift 6=-46 (LC 8), 9=-87 (LC 4) Max Grav 6=687 (LC 1), 9=847 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-2=0/45, 2-3=-297/0, 3-4=-1416/64, 4-5=-138/28, 5-6=-155/40, 2-9=-851/105

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and

R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

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); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom 2) chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf 3) 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. 4)

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

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 6 and 87 lb uplift at joint 9.

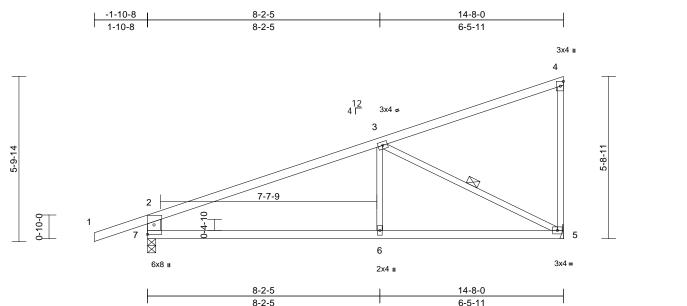


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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	C6	Monopitch	3	1	Job Reference (optional)	163679799

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:06 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale	= 1	:40.6	

WEBS

WEBS

BRACING TOP CHORD

BOT CHORD

REACTIONS

Scale = 1:40.6				020				00					
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	0.88	Vert(LL)	-0.09	6-7	>999	360	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.18	6-7	>934	240			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.02	5	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.03	5-6	>999	240	Weight: 50 lb	FT = 10%	
LUMBER 7) This truss is designed in accordance with the 2018 TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 R802.10.2 and referenced standard ANSI/TP1 1.													

LOAD CASE(S) Standard

	Max Grav 5=634 (LC 1), 7=803 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-2=0/47, 2-3=-928/38, 3-4=-134/36,
	4-5=-179/35, 2-7=-715/134
BOT CHORD	6-7=-49/789, 5-6=-49/789
WEBS	3-6=0/317, 3-5=-873/89
NOTES	

bracing.

(size)

1 Row at midpt

Max Horiz 7=190 (LC 5)

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

2x3 SPF No.2 *Except* 7-2:2x6 SPF No.2

Rigid ceiling directly applied or 10-0-0 oc

Max Uplift 5=-43 (LC 8), 7=-89 (LC 4)

3-5

5= Mechanical, 7=0-3-8

Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.

- This truss has been designed for a 10.0 psf bottom 2) chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf 3) 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 . 4)
- Refer to girder(s) for truss to truss connections. 5)
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 5 and 89 lb uplift at joint 7.



Page: 1

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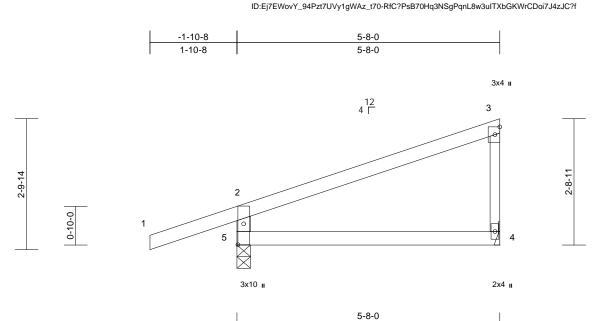


Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	C7	Monopitch	5	1	Job Reference (optional)	163679800

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:06

Page: 1

Wheeler Lumber, Waverly, KS - 66871,



Scale =	1:24.8
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Plate Offsets (X, Y): [5:0-5-6,0-1-8]

	(, .). [
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.03	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.23	Vert(CT)	-0.07	4-5	>929	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.01	4-5	>999	240	Weight: 18 lb	FT = 20%
				• · · ·								
LUMBER			LOAD CASE(S)	Standard								
TOP CHORD												
BOT CHORD			. 0									
WEBS	2x3 SPF No.2 *Exce	ept" 5-2:2x4 SPF No).2									
BRACING												
TOP CHORD	Structural wood she 5-8-0 oc purlins, ex		ed or									
BOT CHORD												
BOT CHOILD	bracing.											
REACTIONS	0	anical, 5=0-3-8										
REAGNONO	Max Horiz 5=117 (L0											
	Max Uplift 4=-47 (LC											
	Max Grav 4=217 (L0											
FORCES	(lb) - Maximum Corr	,, , ,										
	Tension											
TOP CHORD	1-2=0/45, 2-3=-117/	15, 3-4=-157/72,										
	2-5=-364/174											
BOT CHORD	4-5=-27/36											
NOTES												
	CE 7-16; Vult=115mph											
	mph; TCDL=6.0psf; BC											
	Enclosed; MWFRS (er											
	left and right exposed										and	alle
	osed; Lumber DOL=1.6 s has been designed fo		.00								TATE OF	MISCO
	load nonconcurrent w		de								4 SE	10.0°
	ss has been designed f									A	AST INT	New Y
	ttom chord in all areas		opor							A	2/ AND	
	all by 2-00-00 wide will		om							H.	/ THO	
chord and	any other members.								/	73 🛪	JOHA	SON 🖈 🖉
	gs are assumed to be								- 1	NA/	hard	Juni
	girder(s) for truss to trus								U C	10-	NUM	BER /~0
	nechanical connection									117	PE-2017	
	late capable of withsta	nding 47 lb uplift at j	joint							N	11-2017	
	7 lb uplift at joint 5.									Y	1999	JON B
	s is designed in accorda nal Residential Code s		and								CSSIONA	LENA
	2 and referenced stand										Car	- A
1002.10.2												10.0004

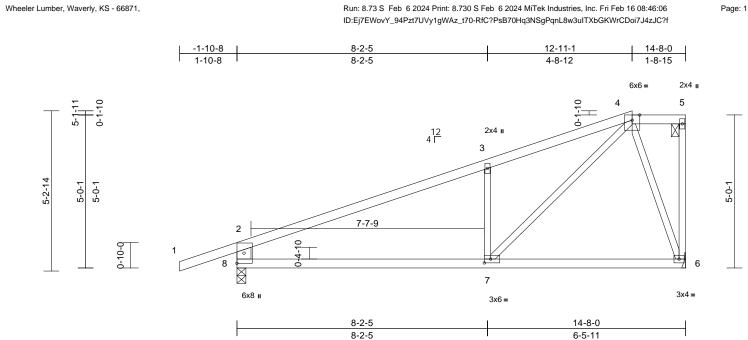
February 19,2024



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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	C8	Half Hip	1	1	Job Reference (optional)	163679801

5-0-1



Scale = 1:37.7

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

-				1	-						1	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.90	Vert(LL)	-0.09	7-8	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.18	7-8	>933	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.03	6-7	>999	240	Weight: 52 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	LUMBER 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 129 lb uplift at joint 6 and 201 lb uplift at joint 8. BOT CHORD 2x4 SPF No.2 6 and 201 lb uplift at joint 8. BOT CHORD 2x3 SPF No.2 *Except* 8-2:2x6 SPF No.2 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. 9) TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5. 9)											
		,, , , ,										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-2=0/47, 2-3=-913/ 4-5=-72/53, 5-6=-51/											
BOT CHORD	,											
WEBS	3-7=-439/240, 4-7=-		33									
NOTES												
1) Unbalance	ed roof live loads have	been considered for										
this design												100
Vasd=91m II; Exp C; I cantilever right expos 3) Provide ac 4) This truss chord live 5) * This truss on the bott 3-06-00 ta chord and 6) All bearing	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed; Lumber DOL=1.6 dequate drainage to pr has been designed for load nonconcurrent wi s has been designed for load nonconcurrent wi s are assumed to be s irder(s) for truss to trus	DL=6.0psf; h=25ft; C velope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 event water ponding 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.	e; d :0 ts. psf						l		NUM PE-2017	AS DINTE

- 6) All bearings are assumed to be SPF No.2 .
- 7) Refer to girder(s) for truss to truss connections.

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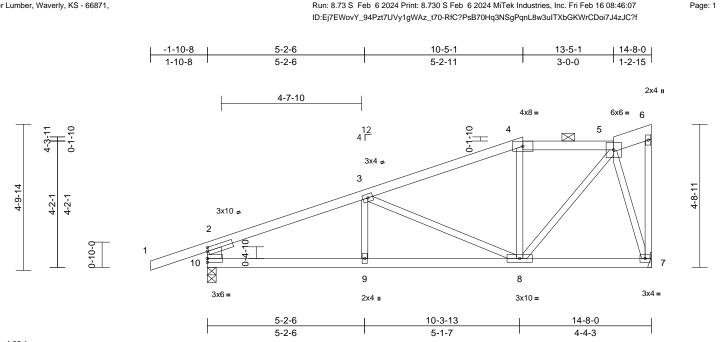


February 19,2024

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	C9	Roof Special	1	1	Job Reference (optional)	163679802

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:07

Wheeler Lumber, Waverly, KS - 66871,



Scale = 1:38.1

Plate Offsets	(X, Y):	[2:0-0-8,0-1-8]
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											-	
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	-0.09	8-9	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.16	8-9	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.07	8-9	>999	240	Weight: 58 lb	FT = 10%
	Max Horiz 10=203 (L Max Uplift 7=-130 (L	, pt* 10-2:2x6 SP 240 athing directly applie cept end verticals, ar -0 max.): 4-5. applied or 10-0-0 oc nical, 10=0-3-8 .C 5) C 8), 10=-204 (LC 4)	2 bearing 7 and 20 10F 8) This trus Internation R802.10 9) Graphic or the or bottom of LOAD CASE	mechanical connection plate capable of withs 4 lb uplift at joint 10. s is designed in accor- ponal Residential Codu- 2 and referenced sta al purlin representation ientation of the purlin hord. (S) Standard	standing 1 ordance w e sections andard AN on does no	30 lb uplift a ith the 2018 s R502.11.1 a ISI/TPI 1. ot depict the	t joint and					
FORCES	Max Grav 7=634 (LC (lb) - Maximum Com	,. , ,										
TORGES	Tension	pression/maximum										
TOP CHORD	1-2=0/47, 2-3=-998/ 4-5=-522/138, 5-6=- 2-10=-697/219											
BOT CHORD	9-10=-180/869, 8-9=	-180/869, 7-8=-50/1	70									
WEBS	3-9=0/159, 3-8=-385 5-8=-110/563, 5-7=-0											-
NOTES											Som	and the
Vasd=91m II; Exp C; I cantilever 1 right expos 2) Provide ad 3) This truss chord live 4) * This truss on the bott 3-06-00 tai chord and 5) All bearing	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed; Lumber DOL=1.6l dequate drainage to pro has been designed for load nonconcurrent wi s has been designed for tom chord in all areas II by 2-00-00 wide will any other members. s are assumed to be S irder(s) for truss to trus	DL=6.0psf; h=25ft; C welope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 event water ponding 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.	e; d 50 ts. psf						(4.	ANDI THO JOHN PE-2017	

February 19,2024

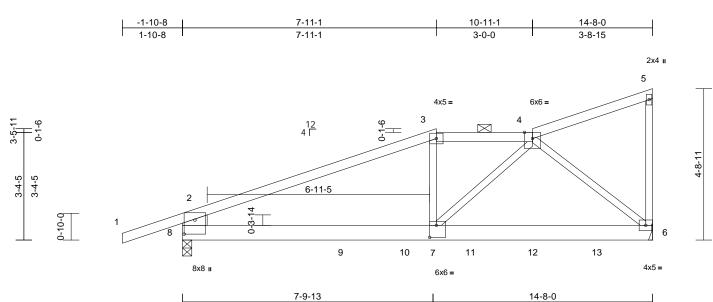


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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	C10	Roof Special Girder	1	1	Job Reference (optional)	163679803

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:07 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

6-10-3



7-9-13

Scale =	1:35.9
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4-9-14

Plate Offsets	X Y	· [7	·0-2-8	0-4-81	[8:0-5-4,0-4-0]	
	, I)	· ['	.0 2 0	,0 - 0],	$[0.0 \ 0 \ -, 0 \ - \ 0]$	

	7, 1). [7.0-2-0,0-4-0],	, [0.0-3-4,0-4-0]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.84 0.88 0.81	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.11 -0.20 0.02 0.10	(loc) 6-7 6-7 6 6-7	l/defl >999 >862 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 60 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD 2x4 SPF No.2 *Except* 1-3:2x4 SPF 2100F 1.8E 7) Provide me bearing pla 6 and 378 BOT CHORD 2x6 SPF No.2 2x3 SPF No.2 *Except* 8-2:2x10 SP 2400F 2.0E 8) This truss is Internation 2.0E BRACING TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-3-12 max.): 3-4. 9) Graphical g or the orier bottom chc BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 10) Hanger(s) provided st b down an up a 6.11				chanical connectio e capable of withsi o uplift at joint 8. designed in accor I Residential Code nd referenced sta urlin representation ation of the purlin	tanding 3 rdance w sections ndard AN n does n along the device(s	ers) of truss 558 lb uplift a ith the 2018 5 R502.11.1 a NSI/TPI 1. ot depict the 5 top and/or s) shall be	to It joint and size				. rogini conz		
REACTIONS (size) 6= Mechanical, 8=0-3-8 u Max Horiz 8=204 (LC 5) a Max Grav 6=1362 (LC 1), 8=1356 (LC 1) rt				Ib down and 123 Ib up at 4-11-4, 211 Ib down and 55 Ib up at 6-11-4, 211 Ib down and 68 Ib up at 8-11-13, and 238 Ib down and 75 Ib up at 10-11-4, and 238 Ib down and 75 Ib up at 12-11-4 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.									
TOP CHORD BOT CHORD WEBS NOTES 1) Wind: ASC Vasd=91m II; Exp C; I cantilever right expos 2) Provide ac 3) This truss chord live 4) * This truss	Tension 1-2=0/50, 2-3=-2027 4-5=-104/32, 5-6=-1	7/482, 3-4=-1815/48 17/50, 2-8=-1097/37 -276/1120 48/973, 4-6=-1436/4 (3-second gust) DL=6.0psf; h=25ft; (velope) exterior zor ; end vertical left an 0 plate grip DOL=1. event water ponding r a 10.0 psf bottom ith any other live loa for a live load of 20.0	7, L 70 1 411 Cat. ne; d 60 g. ds.	of the truss a OAD CASE(S)) Dead + Ro Plate Increa Uniform Lo Vert: 1-2 Concentrat	of Live (balanced) ase=1.15 ads (lb/ft) 2=-70, 2-3=-70, 3-4 red Loads (lb) -387 (B), 10=-211	(F) or ba : Lumber 4=-70, 4-	ck (B). - Increase=1. 5=-70, 6-8=-2	.15, 20		L		STATE OF AND THO JOHN	isdu *

- bottom chord in all areas where a recta 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SPF No.2 . 5)
- 6) Refer to girder(s) for truss to truss connections.

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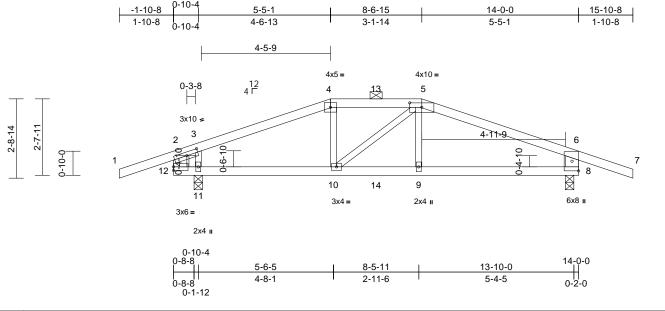
February 19,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	D1	Hip Girder	1	1	Job Reference (optional)	163679804

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Page: 1



Scale = 1:39.8

Plate Offsets (X, Y): [2:0-4-11,0-1-8], [5:0-5-0,0-1-13]

	(7, 1). [2.0 + 11,0 1 0	, [0.0 0 0,0 1 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	0.69	Vert(LL)	-0.15	9-10	>999	360	MT20	197/144		
TCDL	10.0	Lumber DOL	1.15		BC	0.84	Vert(CT)	-0.25	9-10	>617	240				
BCLL	0.0*	Rep Stress Incr	NO		WB	0.09	Horz(CT)	0.02	8	n/a	n/a				
BCDL	10.0	Code	IRC20	18/TPI2014	Matrix-S		Wind(LL)	0.13	9-10	>999	240	Weight: 46 lb	FT = 10%		
LUMBER			:	5) * This truss	has been designe	ed for a liv	e load of 20.	0psf							
TOP CHORD		E *Except* 4-5:2x4 S	SPF		m chord in all are										
	No.2	-		3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.											
BOT CHORD WEBS			- ·				- 2								
VVEBS	2x3 SPF No.2 *Exce 2400F 2.0E	pt 12-2,8-6:2x6 SF		 6) All bearings are assumed to be SPF No.2. 7) Provide mechanical connection (by others) of truss to 											
BRACING					e capable of withs		276 lb uplift a	t joint							
TOP CHORD	Structural wood she	athing directly appli	ed or		o uplift at joint 11.										
	5-10-12 oc purlins,		s, and ³		designed in acco										
	2-0-0 oc purlins (5-7				I Residential Code and referenced sta			and							
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc								cizo							
	bracing.			 Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or 											
REACTIONS	REACTIONS (size) 8=0-3-8, 11=0-3-8					along the									
	Max Horiz 11=22 (LC	,		bottom chor 0) Hanger(s) o	r other connectior	n device(s) shall be								
	Max Uplift 8=-276 (L		4)		fficient to support			79 lb							
	Max Grav 8=887 (L0	C 1), 11=977 (LC 1)			7 lb up at 7-0-0 o										
FORCES	(lb) - Maximum Com Tension	pression/Maximum		down and 8	1 lb up at 5-5-1, a	and 27 lb	down at 7-0-								
TOP CHORD		220 2 4 1024/270			own and 81 lb up										
IOF CHORD	4-5=-893/271, 5-6=-				design/selection		nnection dev	/ICE							
	2-12=-346/75, 6-8=-		,		sponsibility of othe CASE(S) sectior		oplied to the	face							
BOT CHORD	,				are noted as front			lace							
201 0110112	9-10=-210/1034, 8-9			OAD CASE(S)		I (F) UI Da	ск (В).								
WEBS	4-10=-34/212, 5-10=		85	• • •				45				200	alle		
	3-11=-423/214	,	,	 Dead + Ro Plate Incre 	of Live (balanced). Lumber	increase=1.	15,				POF.	MISC		
NOTES												TIE			
 Unbalanced roof live loads have been considered for 			or	Uniform Loads (lb/ft) Vert: 1-2=-70, 2-4=-70, 4-5=-70, 5-6=-70, 6-7=-70,											
,	this design.				8 12- 20										
	2) Wind: ASCE 7-16; Vult=115mph (3-second gust)				Concentrated Loads (Ib)										
	nph; TCDL=6.0psf; BC		Cat.							$ \mathbf{N} \mathbf{X} $					
II; Exp C; Enclosed; MWFRS (envelope) exterior zone;				the aligned to the second seco											
cantilever left and right exposed ; end vertical left and											UN.	NUM	BER		
al ada to a come a	and Lumpher DOL 10	O alsta ania DOL 4	~~										DER /		

- right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding. 3)
- This truss has been designed for a 10.0 psf bottom 4) chord live load nonconcurrent with any other live loads.

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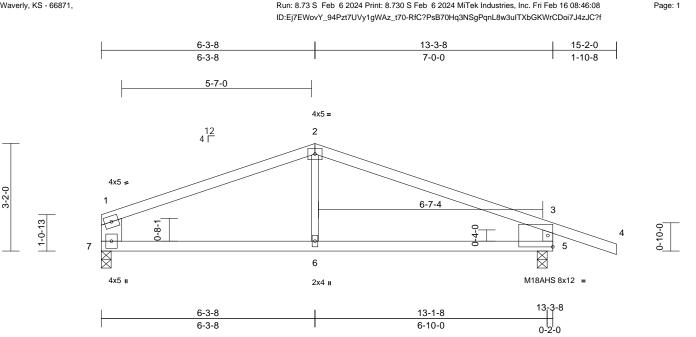
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February 19,2024

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	D2	Common	1	1	Job Reference (optional)	163679805



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3-3-3

		1									·	
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	тс	0.96	Vert(LL)	-0.10	5-6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.21	5-6	>723	240	M18AHS	142/136
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.06	5-6	>999	240	Weight: 38 lb	FT = 10%
										-		
LUMBER				designed in accord								
TOP CHORD	2x4 SPF No.2			Residential Code s			nd					
BOT CHORD				nd referenced stan	dard AN	NSI/TPI 1.						
WEBS	2x3 SPF No.2 *Exce 5-3:2x4 SP No.3	ept* 7-1:2x8 SP No.2	, LOAD CASE(S)	Standard								
BRACING												
TOP CHORD	Structural wood she	athing directly applie	d or									
	5-7-14 oc purlins, e	xcept end verticals.										
BOT CHORD	 Rigid ceiling directly bracing. 	applied or 10-0-0 oc										
REACTIONS	0	7-0-3-8										
	Max Horiz 7=-46 (LC											
	Max Uplift 5=-178 (L											
	Max Grav 5=731 (L0	,, ()										
FORCES	(lb) - Maximum Com	,. ,										
	Tension											
TOP CHORD												
BOT CHORD	1-7=-461/112, 3-5=-											
WEBS	6-7=-25/633, 5-6=-2 2-6=0/226	0/033										
	2-0=0/220											
NOTES		have a second dama of face										
,	ced roof live loads have	been considered for										
this desig)n. SCE 7-16; Vult=115mph	(2 second quist)										
	mph; TCDL=6.0psf; BC		`at								- mar	m
	; Enclosed; MWFRS (er										THE OF	MICON
	r left and right exposed										A TE	
	osed; Lumber DOL=1.6									A	N.	New Y
3) All plates	are MT20 plates unles	s otherwise indicated	ł.							H	S ANDI	
	s has been designed for									K.	/ THO	
	e load nonconcurrent wi									19 *	JOHN	son \★Y
	ss has been designed f		pst						/	Y A	hund	enne.
	ottom chord in all areas								L	M-	NUM	BER A
	all by 2-00-00 wide will	in between the botto	m							17	DE 2017	018003 181
	d any other members.	SPE No 2								N	-2017	BER 018993
	nechanical connection ()							Y	1000	IN B
bearing plate capable of withstanding 80 lb uplift at joint					UNIA ONIA	TENA						
	8 lb uplift at joint 5.	. geen spint or jo									PE-2017	- Contraction of the second se

Provide mechanical connection (by others) of truss to 7) bearing plate capable of withstanding 80 lb uplift at joint 7 and 178 lb uplift at joint 5.

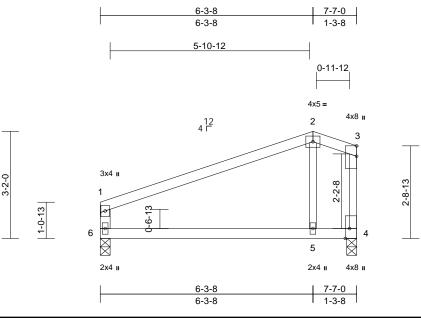


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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	D3	Common	1	1	Job Reference (optional)	163679806

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:08 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale =	1:34.1
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Plate Offsets (X, Y): [3:0-3-11,Edge], [4:0-3-8,Edge]

		i i i i i i i i i i i i i i i i i i i		1							1	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.07	5-6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.17	5-6	>529	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.06	5-6	>999	240	Weight: 23 lb	FT = 10%

- LUMBER
- TOP CHORD

2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x3 SPF No.2 *Except* 6-1:2x4 SP No.3 WEBS

- 7)	This truss is designed in accordance with the 2018
	International Residential Code sections R502.11.1 and

R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

BRACING		
TOP CHORD	Structura	wood sheathing directly applied or
		ourlins, except end verticals.
BOT CHORD	0	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	4=0-3-8, 6=0-3-8
	Max Horiz	6=100 (LC 5)
	Max Uplift	4=-55 (LC 4), 6=-53 (LC 4)
	Max Grav	4=330 (LC 1), 6=330 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOP CHORD	1-2=-186/	28, 2-3=-149/51, 3-4=-142/5,
	1-6=-257/	/90
BOT CHORD	5-6=-36/1	10, 4-5=-36/110

WEBS

NOTES

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

2-5=-114/101

- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 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.
- All bearings are assumed to be SPF No.2 . 5)
- Provide mechanical connection (by others) of truss to 6) bearing plate capable of withstanding 53 lb uplift at joint 6 and 55 lb uplift at joint 4.



Page: 1

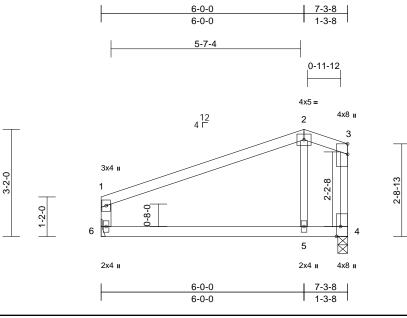
 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not beigh valid for use only 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 195 HT	
B240015	D4	Common	1	1	Job Reference (optional)	163679807

Run: 8 73 S Feb 6 2024 Print: 8 730 S Feb 6 2024 MiTek Industries Inc. Fri Feb 16 08:46:08 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1	:34.1
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Plate Offsets (X, Y): [3:0-3-11,Edge], [4:0-3-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	тс	0.59	Vert(LL)	-0.06	5-6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	-0.14	5-6	>594	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.05	5-6	>999	240	Weight: 22 lb	FT = 10%

- LUMBER
- TOP CHORD 2x4 SPF No.2
- BOT CHORD 2x4 SPF No.2 2x3 SPF No.2 *Except* 6-1:2x4 SPF No.2 WEBS BRACING TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS 4=0-3-8, 6= Mechanical (size) Max Horiz 6=99 (LC 5) Max Uplift 4=-52 (LC 4), 6=-51 (LC 4) Max Grav 4=317 (LC 1), 6=317 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension 1-2=-173/28, 2-3=-139/51, 3-4=-138/8, TOP CHORD 1-6=-245/86 BOT CHORD 5-6=-37/100, 4-5=-37/100

WFBS NOTES

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

2-5=-110/93

- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 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.
- All bearings are assumed to be SPF No.2 . 5)

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

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 6 and 52 lb uplift at joint 4.

8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and

R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



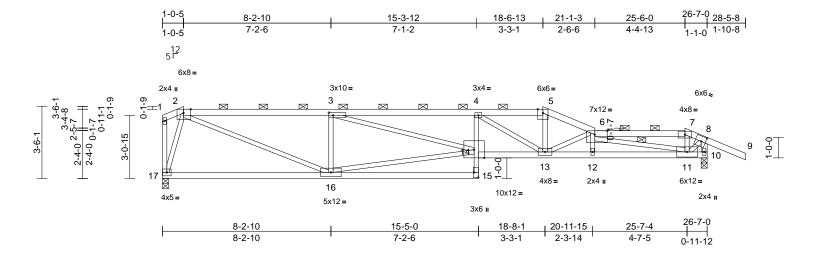
February 19,2024





Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	E1	Roof Special Girder	1	1	Job Reference (optional)	163679808

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:08 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:56.2

Plate Offsets ((X, Y): [2:0-4-3,Edge],	[3:0-2-8,0-1-8], [6:0	-7-4,0-2-4],	[8:0-2-9,0-3-0)], [15:Edge,0-2-8]								
Loading TCLL (roof) TCDL	(psf) 25.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15		CSI TC BC	0.56 0.83	DEFL Vert(LL) Vert(CT)	in -0.36 -0.65	(loc) 14 13-14	l/defl >870 >485	L/d 360 240	PLATES MT20	GRIP 197/144
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	NO IRC2018	3/TPI2014	WB Matrix-S	0.93	Horz(CT) Wind(LL)	0.13 0.29	10 15	n/a >999	n/a 240	Weight: 103 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD WEBS	2x4 SPF No.2 *Exce 1.8E 2x4 SPF No.2 *Exce 14-10:2x4 SPF 2100 2x3 SPF No.2 *Exce Structural wood shea 2-11-13 oc purlins, of 2-0-0 oc purlins (3-6 Rigid ceiling directly bracing. 1 Row at midpt (size) 10=0-3-8, Max Horiz 17=-121 (Max Uplift 10=-313 (Max Grav 10=1217 ((lb) - Maximum Com Tension 1-2=-73/32, 2-3=-22! 4-5=-3013/531, 5-6= 6-7=-968/188, 7-8=- 1-17=-72/113, 8-10= 16-17=-52/370, 15-1 4-14=0/210, 13-14=- 12-13=-705/4368, 1' 10-11=-111/55 2-16=-353/2087, 3-1 14-16=-360/2095, 3- 4-13=-1120/230, 5-1 6-13=-1415/248, 6-1	ept* 2-5:2x4 SPF 21(ept* 15-4:2x3 SPF N F 1.8E pt* 10-8:2x4 SPF N athing directly applie except end verticals -4 max.): 2-5, 6-7. applied or 6-0-0 oc 6-11 17=0-3-8 LC 6) LC 5), 17=-202 (LC (LC 1), 17=1176 (LC pression/Maximum 83/438, 3-4=-3857/7 -3360/577, 1041/201, 8-9=0/54, -1439/321 6=-20/213, 14-15=0 6-56/3879, 1-12=-713/4385, 6=-1008/310, -14=-294/1634, 3=-186/1181, 2=-175/84,	2) 00F 0.2, 0.2 3) 4) ed or 5) 6) 7) 5) 720, 9) 720, 9) 720, 9) 7118, 10] LC	Wind: ASCE Vasd=91mpł II; Exp C; En cantilever lef right exposed Provide adec * This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar Bearings are 10 SPF 2100 Provide mec bearing plate 10 and 202 ll This truss is International R802.10.2 ai Graphical pu or the orienta bottom choro Hanger(s) or provided suff down and 51 down and 55 design/selec responsibility In the LOAD of the truss a	7-16; Vult=115mp 7-16; Vult=115mp 7; TCDL=6.0psf; B closed; MWFRS ((t and right expose d; Lumber DOL=1. 1, uate drainage to p 1 is been designed 1 is been designed 1 in concourrent v 1 is been designed 1 in concourrent v 1 in concourrent v 1 in consection 1 in consection 2 in consection 1 in consection 2 in co	CDL=6.0 enveloped (; end v. .60 plate prevent v. for a 10.0 with any for a 10.0 with and for a 10.0 with any for a 10.0 with a	cond gust) cond gust) cond gust) cops; h=25ft; (a) exterior zor vertical left an grip DOL=1. water ponding 0 psf bottom other live loa e load of 20.0 a rectangle veen the bottot SPF No.2, Jo ers) of truss t 13 lb uplift at ith the 2018 is R502,11.1 a ISI/TPI 1. ot depict the se top and/or is bop and/or is shall be ated load(s) 5 chord, and 14 om chord. Th vice(s) is the pplied to the f ck (B).	Cat. ne; d 60 J. ds. Dpsf om int o joint nd size 6 lb 14 lb ne		2003		STATE OF M STATE OF M JOHNS	MISSOLA EW
6-11=-3560/591, 7-11=-115/175, 2-17=-1241/325, 8-11=-257/1405 1) NOTES 1) Unbalanced roof live loads have been considered for this design.			Plate Increa Uniform Loa Vert: 1-2 8-9=-70, Concentrate	ase=1.15	=-70, 6-		,			A A A A A A A A A A A A A A A A A A A	PE-2017	LENGIL	

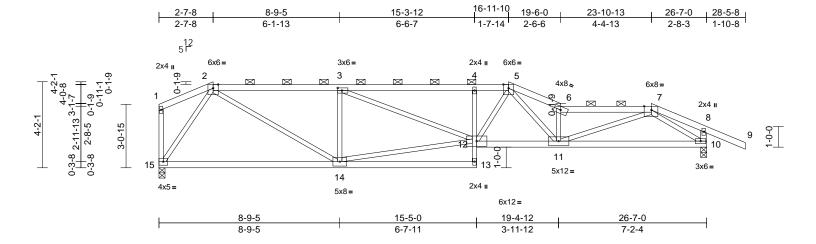
February 19,2024





Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	E2	Roof Special	1	1	Job Reference (optional)	163679809

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:09 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:55.9

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

Except 10-8:2x4 SP d sheathing directly ap lins, except end verti s (2-6-6 max.): 2-5, 6- irectly applied or 9-10- 0-3-8, 15=0-3-8 -119 (LC 6) -236 (LC 5), 15=-176 1332 (LC 1), 15=1180	1.15 IRC20 ⁻ 4 F No.2 5 No.3 Pplied or cals, and 6 -7. 7 -8 oc 8 (LC 5) 9 (LC 1) rum	 chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar chord and ar and 236 ll This truss is International R802.10.2 ar Graphical pu or the orienta 	ad nonconcurrent has been designe n chord in all area yo 2-00-00 wide w by other members are assumed to b hanical connectic o capable of withs o uplift at joint 10 designed in acco Residential Code nd referenced sta flin representatio ation of the purlin	with any d for a liv as where vill fit betv e SPF N n (by oth tanding ⁴ rdance w e sections ndard At n does n	Vert(CT)(C Horz(CT) (Wind(LL) (0 psf bottom other live loads. re load of 20.0psi a rectangle veen the bottom o.2 . ers) of truss to 76 lb uplift at join ith the 2018 s R502.11.1 and VSI/TP1 1. ot depict the size		I/defI >999 >773 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 105 lb	GRIP 197/144 FT = 10%
Except 10-8:2x4 SP d sheathing directly ap lins, except end verti s (2-6-6 max.): 2-5, 6- irectly applied or 9-10- 0-3-8, 15=0-3-8 -119 (LC 6) -236 (LC 5), 15=-176 1332 (LC 1), 15=1180	PF No.2 5 Pho.3 cals, and 6 7. 7 8 oc 8 (LC 5) 9 (LC 1) pum	 chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar chord and ar and 236 ll This truss is International R802.10.2 ar Graphical pu or the orienta 	ad nonconcurrent has been designe n chord in all area yo 2-00-00 wide w by other members are assumed to b hanical connectic o capable of withs o uplift at joint 10 designed in acco Residential Code nd referenced sta flin representatio ation of the purlin	with any d for a liv as where vill fit betv e SPF N n (by oth tanding ⁴ rdance w e sections ndard At n does n	other live loads. re load of 20.0pst a rectangle veen the bottom o.2. ers) of truss to 76 lb uplift at join ith the 2018 s R502.11.1 and VSI/TPI 1. ot depict the size					
LUMBER TOP CHORD2x4 SPF No.24)This truss has been de chord live load noncond schord live load noncond on the bottom chord in 3-06-00 tall by 2-00-00 chord and any other mid- 2-10-13 oc purlins, except end verticals, and 2-0-0 oc purlins (2-6-6 max.): 2-5, 6-7.4)This truss has been de chord live load noncond on the bottom chord in 3-06-00 tall by 2-00-00 chord and any other mid- Provide mechanical co- bearing plate capable of 15 and 236 lb uplift at jiBOT CHORD BOT CHORDStructural wood sheathing directly applied or 2-10-13 oc purlins (2-6-6 max.): 2-5, 6-7.4)This truss has been de chord live load noncond on the bottom chord in 3-06-00 tall by 2-00-00 chord and any other mid- Provide mechanical co- bearing plate capable of 15 and 236 lb uplift at ji This truss is designed in International Residentia R802.10.2 and reference 9)This truss has been de chord live load noncond on the bottom chord in 3-06-00 tall by 2-00-00 chord and any other mid- 6)BOT CHORD D CHORD10=0-3-8, 15=0-3-8 Max Horiz 15=-119 (LC 6) Max Grav 10=1332 (LC 1), 15=1180 (LC 1)8)FORCES TOP CHORD(lb) - Maximum Compression/Maximum Tension9)Graphical purlin repress or the orientation of the bottom chord.10AD CASE(S)Standard1-2=-71/40, 2-3=-1932/362, 3-4=-2762/497,										
4-5=-2781/499, 5-6=-3655/573, 6-7=-3447/524, 7-8=-188/7, 8-9=0/54, 1-15=-70/23, 8-10=-291/83 DT CHORD 14-15=-97/704, 13-14=-7/139, 12-13=0/98,										
4-12=-441/167, 11-12=-348/2513, 10-11=-218/1524 WEBS 2-14=-213/1455, 3-14=-865/264, 12-14=-274/1812, 3-12=-149/907, 5-12=-135/600, 5-11=-161/1282, 6-11=-1575/301, 7-11=-271/2052, 2-15=-1237/263, 7-10=-1734/346								A	STATE OF M	MISSOLA EW
 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60 							C		THON JOHN NUMI PE-2017	time.
7 5 5 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7, 11-12=-348/2513, 524 55, 3-14=-865/264, 812, 3-12=-149/907, 0, 5-11=-161/1282, 01, 7-11=-271/2052, 63, 7-10=-1734/346 s have been considere 15mph (3-second gust ssf; BCDL=6.0psf; h=2: RS (envelope) exterior posed ; end vertical lef DL=1.60 plate grip DOL	7, 11-12=-348/2513, 524 55, 3-14=-865/264, 812, 3-12=-149/907, 0, 5-11=-161/1282, 01, 7-11=-271/2052, 63, 7-10=-1734/346 s have been considered for 15mph (3-second gust) bsf; BCDL=6.0psf; h=25ft; Cat. RS (envelope) exterior zone; posed ; end vertical left and	7, 11-12=-348/2513, 524 55, 3-14=-865/264, 812, 3-12=-149/907, 0, 5-11=-161/1282, 01, 7-11=-271/2052, 63, 7-10=-1734/346 s have been considered for 15mph (3-second gust) ssf; BCDL=6.0psf; h=25ft; Cat. RS (envelope) exterior zone; posed; end vertical left and 0L=1.60 plate grip DOL=1.60	7, 11-12=-348/2513, 524 55, 3-14=-865/264, 812, 3-12=-149/907, 0, 5-11=-161/1282, 01, 7-11=-271/2052, 63, 7-10=-1734/346 s have been considered for 15mph (3-second gust) sf; BCDL=6.0psf; h=25ft; Cat. RS (envelope) exterior zone; posed; end vertical left and DL=1.60 plate grip DOL=1.60	7, 11-12=-348/2513, 524 55, 3-14=-865/264, 812, 3-12=-149/907, 0, 5-11=-161/1282, 01, 7-11=-271/2052, 63, 7-10=-1734/346 s have been considered for 15mph (3-second gust) sf; BCDL=6.0psf; h=25ft; Cat. RS (envelope) exterior zone; posed ; end vertical left and DL=1.60 plate grip DOL=1.60	7, 11-12=-348/2513, 524 55, 3-14=-865/264, 812, 3-12=-149/907, 0, 5-11=-161/1282, 01, 7-11=-271/2052, 63, 7-10=-1734/346 s have been considered for 15mph (3-second gust) sf; BCDL=6.0psf; h=25ft; Cat. RS (envelope) exterior zone; posed ; end vertical left and DL=1.60 plate grip DOL=1.60	7, 11-12=-348/2513, 524 55, 3-14=-865/264, 812, 3-12=-149/907, 0, 5-11=-161/1282, 01, 7-11=-271/2052, 63, 7-10=-1734/346 s have been considered for 15mph (3-second gust) sf; BCDL=6.0psf; h=25ft; Cat. RS (envelope) exterior zone; posed; end vertical left and DL=1.60 plate grip DOL=1.60	7, 11-12=-348/2513, 524 55, 3-14=-865/264, 812, 3-12=-149/907, 0, 5-11=-161/1282, 01, 7-11=-271/2052, 63, 7-10=-1734/346 s have been considered for	7, 11-12=-348/2513, 524 55, 3-14=-865/264, 812, 3-12=-149/907, 0, 5-11=-161/1282, 01, 7-11=-271/2052, 63, 7-10=-1734/346 s have been considered for	7, 11-12=-348/2513, 524 55, 3-14=-865/264, 812, 3-12=-149/907, 0, 5-11=-161/1282, 01, 7-11=-271/2052, 63, 7-10=-1734/346 s have been considered for 15mph (3-second gust) ssf; BCDL=6.0psf; h=25f; Cat. RS (envelope) exterior zone; posed; end vertical left and 0L=1.60 plate grip DOL=1.60



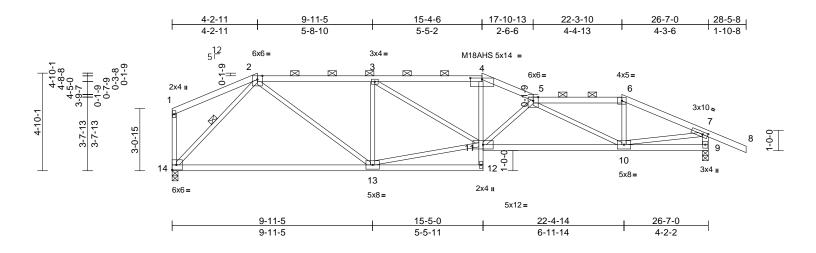
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 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 195 HT	
B240015	E3	Roof Special	1	1	Job Reference (optional)	163679810

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries. Inc. Fri Feb 16 08:46:10 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:57.1

Plate Offsets (X, Y): [4:0-7-0,0-0-14], [7:0-3-3,0-1-8]

	(7, 1). [4.07 0,0 0 14	i, [1.0 0 0,0 1 0]										-	
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	8/TPI2014	CSI TC BC WB Matrix-S	0.47 0.84 0.81	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	-0.49 0.08	(loc) 13-14 13-14 9 10-11	l/defl >999 >643 n/a >999	L/d 360 240 n/a 240	PLATES MT20 M18AHS Weight: 105 lb	GRIP 197/144 142/136 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SPF 2100F 1.8E No.2, 11-9:2x4 SPF 2x3 SPF No.2 *Exce Structural wood she 3-8-12 oc purlins, e 2-0-0 oc purlins (3-7 Rigid ceiling directly bracing. 1 Row at midpt	No.2 ppt* 9-7:2x4 SP No.3 eathing directly applie except end verticals, 7-1 max.): 2-4, 5-6. 7 applied or 6-0-0 oc 2-14 14=0-3-8 (LC 6) .C 5), 14=-153 (LC 5 LC 1), 14=1180 (LC	SPF 6) and 7) and 8) 9) 1)	chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar Bearings are Joint 9 SPF Provide mec bearing plate 9 and 153 lb This truss is International R802.10.2 ai 0) Graphical pu or the orient bottom chord	hanical connection e capable of withst uplift at joint 14. designed in accor Residential Code nd referenced star Irlin representation ation of the purlin d.	with any d for a liv is where ill fit betv loint 14 § n (by oth canding 2 dance w sections ndard AN n does no	other live load e load of 20. a rectangle veen the bott SPF 2100F 1 ers) of truss 219 lb uplift a ith the 2018 c R502.11.1 a JSI/TPI 1. ot depict the	Opsf com .8E , to t joint and					
TOP CHORD	Tension 1-2=-94/55, 2-3=-17 4-5=-2384/382, 5-6= 6-7=-1891/247, 7-8= 7-9=-1298/230	26/311, 3-4=-2175/3 =-1677/243,	366,	DAD CASE(S)	Standard								
BOT CHORD WEBS		1=-382/2758, 9-10=- 13=-780/227, -11=-94/540, D=-1227/240, 6-10=0	14/84									STATE OF M	
this design 2) Wind: AS(Vasd=91n II; Exp C; cantilever right expo 3) Provide ad	ed roof live loads have	been considered fo (3-second gust) DL=6.0psf; h=25ft; (nvelope) exterior zor ; end vertical left an 0 plate grip DOL=1.0 revent water ponding	Cat. he; d 60 g.							l		NUMI PE-20170	DIR993

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February 19,2024

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	E4	Roof Special	1	1	Job Reference (optional)	163679811

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:10 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

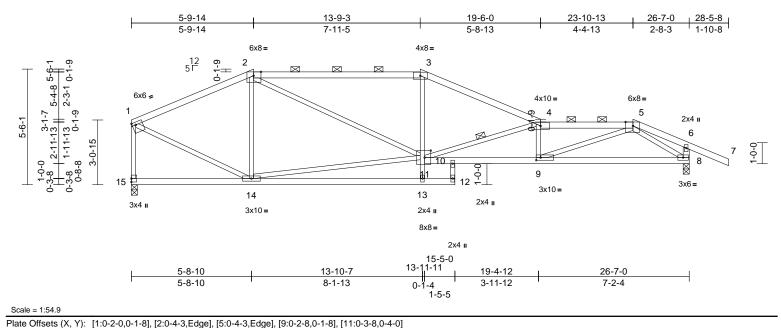


Plate Offsets (X Y):	[1:0-2-0,0-1-8], [2:0-4-3,Edge], [5:0-4-3,Edge], [9:0-2-8,0-1-8], [11:0-3-8,0-4-0]
	$[1.0 \ge 0,0 + 0], [2.0 + 0, Euge], [0.0 + 0, Euge], [0.0 \ge 0,0 + 0], [11.0 = 0,0 + 0]$

Plate Offsets	(X, Y): [1:0-2-0,0-1-8],	[2:0-4-3,Edge], [5:0	0-4-3,Edge	9], [9:0-2-8,0-1-8	3], [11:0-3-8,0-4-0]							
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	18/TPI2014	CSI TC BC WB Matrix-S	0.86 0.90 0.72	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.21 -0.37 0.09 0.15	(loc) 9-10 9-10 8 9-10	l/defl >999 >848 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 108 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	1.8E 2x4 SPF No.2 *Exce 2x3 SPF No.2 *Exce Structural wood she 3-2-5 oc purlins, ex 2-0-0 oc purlins (2-7 Rigid ceiling directly bracing. 1 Row at midpt	ept* 12-10:2x3 SPF I ept* 8-6:2x4 SP No.3 athing directly applie cept end verticals, a '-7 max.): 2-3, 4-5. applied or 9-9-2 oc 4-11 15=0-3-8 LC 6) C 5), 15=-124 (LC 5	500F 5 No.2 ad or 6, nd 7, 8 9 5)	 chord live lo. * This truss is on the bottoo 3-06-00 tall is chord and an is of the original of the		with any d for a liv as where vill fit betv s e SPF N n (by oth tanding 1 rdance w e sections ndard AN n does no	other live load e load of 20.1 a rectangle veen the bott 0.2. ers) of truss t 24 lb uplift at the 2018 5 R502.11.1 a USI/TP1 1. bt depict the s	Opsf om to t joint and					
FORCES	(lb) - Maximum Com Tension	pression/Maximum	Ύ L	OAD CASE(S)	Standard								
TOP CHORD		-3473/419, 5-6=-19											
BOT CHORD		4=0/129, 12-13=-2/8 =-355/3346,										2000	all
WEBS	2-14=-494/157, 2-11 3-11=0/400, 11-14= 4-9=-620/151, 5-9=- 1-14=-125/1170, 5-8	=-125/989, 11-13=0 -79/960, 4-11=-1567 205/2088, 3=-1718/299	7/267,									STATE OF ANDR	LAS Y
this desig 2) Wind: AS Vasd=91r II; Exp C; cantilever right expo	ed roof live loads have n. CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Enclosed; MWFRS (er r left and right exposed osed; Lumber DOL=1.6 idequate drainage to pr	(3-second gust) DL=6.0psf; h=25ft; (nvelope) exterior zor ; end vertical left an 0 plate grip DOL=1.	Cat. ne; d 60							(A Production	NUMI PE-2017	lung

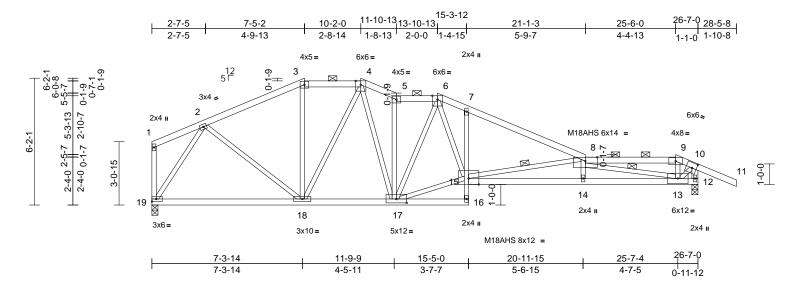
Course February 19,2024

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ΤΙΟΝ 'IEW DEVELOPMENT SERVICES LEE'S'SUMMIT'S MISSOURI 03/12/2024 12:22:34

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	E5	Roof Special Girder	1	1	Job Reference (optional)	163679812

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:11 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:56.1

Plate Offsets (X, Y): [8:0-7-0,0-2-4], [10:0-2-9,0-3-0], [17:0-6-0,0-2-4]

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.79	Vert(LL)	-0.34	14-15	>930	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.78	Vert(CT)	-0.63	14-15	>500	240	M18AHS	142/136
BCLL	0.0*	Rep Stress Incr	NO		WB	0.96	Horz(CT)	0.12	12	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S		Wind(LL)	0.25	14-15	>999	240	Weight: 118 lb	FT = 10%
LUMBER			2)) Wind: ASCE	7-16; Vult=115m	ph (3-sec	ond gust)			Vert: 9=	51 (B)	, 13=68 (B)	
TOP CHORD	2x4 SPF No.2				n; TCDL=6.0psf;								
BOT CHORD	2x4 SPF No.2 *Exce 15-12:2x4 SPF 2100		o.2,		closed; MWFRS t and right expos								
WEBS	2x3 SPF No.2 *Exce		10.2		d; Lumber DOL=								
BRACING	213 011 10.2 2100	pt 12-10.2x4 011 1	3		uate drainage to								
TOP CHORD	Structural wood she	athing directly applie	dor 4) All plates are	MT20 plates un	less other	wise indicate	ed.					
	2-8-15 oc purlins, e				s been designed								
	2-0-0 oc purlins (4-8		8-9.		ad nonconcurrent								
BOT CHORD	Rigid ceiling directly	applied or 6-0-0 oc	6)		as been designe			0psf					
	bracing.				n chord in all area y 2-00-00 wide v			om					
WEBS		8-15, 8-13			y other members		veen the both	UIII					
	· · · ·	19=0-3-8	7		assumed to be:		SPF No.2 . Jo	oint					
	Max Horiz 19=-115 (· · ·		12 SPF 2100			,.						
	Max Uplift 12=-286 () Provide mec	hanical connectio	on (by oth	ers) of truss	to					
	Max Grav 12=1217		1)		capable of withs	standing 2	86 lb uplift a	t joint					
FORCES	(Ib) - Maximum Com	pression/Maximum			uplift at joint 19.								
TOP CHORD	Tension 1-2=-60/42, 2-3=-12	44/172 2 4- 1005/1			designed in acco								
TOP CHORD	4-5=-1635/293, 5-6=		70,		Residential Code nd referenced sta			and					
	6-7=-2352/417, 7-8=		1		rlin representatio			cizo					
	8-9=-944/188, 9-10=	,			ation of the purlin			3126					
	1-19=-45/21, 10-12=	-1417/296	,	bottom chord		along all							
BOT CHORD	18-19=-58/681, 17-1			1) Hanger(s) or	other connectior	n device(s) shall be					STATE OF M	and
	16-17=-13/30, 15-16		37,		icient to support							B.F. OF M	AISS A
	14-15=-627/4472, 1	3-14=-636/4474,			lb up at 32-10-1						4	9 AV	NUS
	12-13=-110/57	40/000 4 40 400	405		5 lb up at 32-9-1						H	ANDR	EW YPY
WEBS	2-18=-16/534, 3-18= 4-17=-190/834, 5-17		125,		tion of such conn	ection de	vice(s) is the	•			8	THOM	AS YY
	6-17=-577/108, 15-1		4	responsibility				40.00				JOINS	
	6-15=-269/1390, 8-1		1.		CASE(S) section re noted as front			lace		/	1		
	8-14=-23/139, 8-13=			OAD CASE(S)		(1) 01 0a	UR (D).			(\mathbf{N}	prov	A loss
	9-13=-130/173, 2-19		1		of Live (balanced). Lumbor	Increase_1	15			37	NUMI	BER /
	10-13=-241/1370		1,	Plate Increa			11016036=1	13,			N	NUMI PE-2017	3ER 018993
NOTES				Uniform Lo							V V	The last	158
1) Unbalance	d roof live loads have	been considered for			=-70, 3-4=-70, 4-	5=-70, 5-	6=-70, 6-8=-	70,			8	NºS'STON	ENUS
this design				8-970	9-10=-70, 10-11=	-70 16-1	9=-20 12-1	5=-20				W UNA	LUY

8-9=-70, 9-10=-70, 10-11=-70, 16-19=-20, 12-15=-20 Concentrated Loads (lb)

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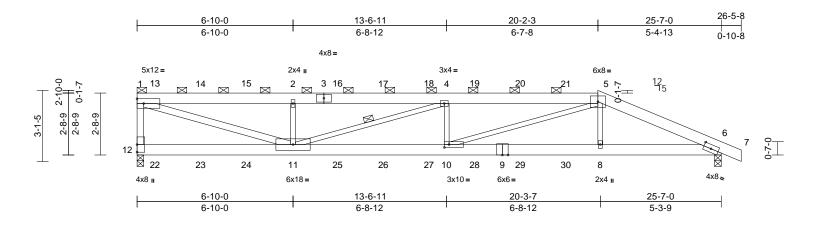
besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANS/TPH1 Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

ΤΙΟΝ 'IEW DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 03/12/2024 12:22:34

February 19,2024

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	G1	Half Hip Girder	1	1	Job Reference (optional)	163679813

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:12 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



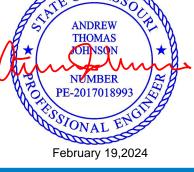
Scale = 1:50.5

Scale = 1:50.5													
Plate Offsets (X, Y): [6:0-4-0,0-2-2],	[10:0-2-8,0-1-8]											
Loading TCLL (roof) TCDL BCLL	(psf) 25.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 NO		CSI TC BC WB	0.86 0.98 0.75	DEFL Vert(LL) Vert(CT) Horz(CT)		(loc) 10-11 10-11 6	l/defl >999 >612 n/a	L/d 360 240 n/a	PLATES MT20	GRIP 197/144
BCDL	10.0	Code	IRC20	18/TPI2014	Matrix-S		Wind(LL)	0.23	10-11	>999	240	Weight: 135 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x6 SPF No.2 *Exce 2.0E 2x6 SP 2400F 2.0E No.2 2x3 SPF No.2 *Exce 11-1:2x4 SPF 2100F Structural wood she 3-3-9 oc purlins, ex	*Except* 9-6:2x6 SP ept* 12-1:2x4 SPF No = 1.8E athing directly applie	DF F D.2, ed or nd	 chord live los * This truss I on the bottor 3-06-00 tall I chord and a All bearings Provide mec bearing plate 12 and 397 I 	as been designed ad nonconcurrent has been designe n chord in all area by 2-00-00 wide w ny other members are assumed to b hanical connections e capable of withs b uplift at joint 6.	with any d for a liv as where <i>i</i> ll fit betv s. e SPF N on (by oth tanding 4	other live load re load of 20. a rectangle veen the bott o.2. ers) of truss 128 lb uplift a	Opsf com to	C	14=-103 18=-103 22=-47	=-43 (I 3 (F), 1 3 (F), 1 (F), 23 (F), 27	F), 2=-103 (F), 8= 5=-103 (F), 16=-1	
BOT CHORD WEBS REACTIONS	2-0-0 oc purlins (2-5 Rigid ceiling directly bracing. 1 Row at midpt (size) 6=0-3-8,	i-12 max.): 1-5. applied or 8-6-8 oc 4-11 12=0-3-8	ε ε	International R802.10.2 a) Graphical pu	designed in acco Residential Code nd referenced sta urlin representatio ation of the purlin d.	e sections ndard Al	R502.11.1 a SI/TPI 1. ot depict the						
	Max Horiz 12=-103 (Max Uplift 6=-397 (L Max Grav 6=2049 (L	C 5), 12=-428 (LC 4 _C 1), 12=2127 (LC)	provided suf	r other connection ficient to support 74 lb up at 0-9-8	concentra	ated load(s) 1						
FORCES	(lb) - Maximum Com Tension			down and 76	6 lb down and 76 6 lb up at 6-9-8, 1	26 lb dov	wn and 76 lb	up at					
TOP CHORD	1-12=-1960/486, 1-2 2-4=-4754/976, 4-5= 5-6=-4507/875, 6-7=	=-6008/1235, =0/18		and 76 lb up	down and 76 lb (at 12-9-8, 126 lb 126 lb down and	down ar	nd 76 lb up a	t					m
BOT CHORD	11-12=-13/172, 10-1 8-10=-747/4040, 6-8 1-11=-980/4874, 2-1 4-11=-1319/280, 4-1 5-10=-434/2181, 5-8	3=-747/4066 1=-868/399, 10=-463/305,		74 lb down a 4-9-8, 67 lb d down at 10-	and 76 lb up at 1 at 0-9-8, 67 lb dow down at 6-9-8, 67 9-8, 67 lb down a	wn at 2-9 7 lb down t 12-9-8,	9-8, 67 lb dov at 8-9-8, 67 67 lb down a	vn at TIb at			Å	STATE OF M	AISSOLA EW
this design 2) Wind: ASC Vasd=91m II; Exp C; I cantilever right expos	CE 7-16; Vult=115mph hph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed; Lumber DOL=1.6	been considered for (3-second gust) DL=6.0psf; h=25ff; C ivelope) exterior zon ; end vertical left an 0 plate grip DOL=1.6	1 Cat. le; L d 1 50	and 353 lb d chord. The ((s) is the res 1) In the LOAD of the truss a DAD CASE(S)) Dead + Ro Plate Increa	of Live (balanced) ase=1.15	p at 20-2 of such co rs. , loads a (F) or ba	2-3 on bottom onnection dev pplied to the ck (B).	n vice face		L	ŀ	THOM	LAS SON
 Unbalance this design Wind: ASC Vasd=91rr II; Exp C; I cantilever right exposition 	ed roof live loads have CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed	been considered for (3-second gust) DL=6.0psf; h=25ff; C ivelope) exterior zon ; end vertical left an 0 plate grip DOL=1.6	1 Cat. le; L d 1 50	and 353 lb d chord. The (s) is the res 1) In the LOAD of the truss a COAD CASE(S) Dead + Ro	own and 107 lb u design/selection of ponsibility of othe CASE(S) section are noted as front Standard of Live (balanced) ase=1.15	p at 20-2 of such co rs. , loads a (F) or ba	2-3 on bottom onnection dev pplied to the ck (B).	n vice face		l	ŀ	THOM	SON

- 3) Provide adequate drainage to prevent water ponding.

Vert: 1-5=-70, 5-7=-70, 6-12=-20

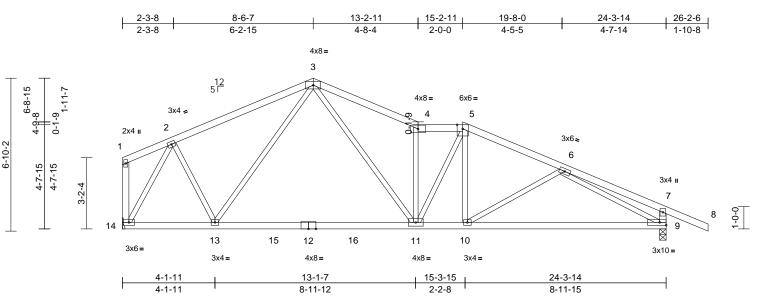
 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	G2	Roof Special	1	1	Job Reference (optional)	163679814

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:12 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:51.5

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.53	Vert(LL)	-0.25	11-13	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.80	Vert(CT)	-0.43	11-13	>674	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.99	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S		Wind(LL)	0.04	11	>999	240	Weight: 102 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 *Exce 9-7:2x4 SP No.3 Structural wood she 4-1-7 oc purlins, ex 2-0-0 oc purlins (4-7	athing directly applie cept end verticals, ar	6) 7) d or 8) nd	on the bottor 3-06-00 tall b chord and ar All bearings a Refer to girde Provide mec bearing plate 9.	has been designe n chord in all are by 2-00-00 wide v by other members are assumed to b er(s) for truss to thanical connection capable of withs	as where will fit betw s, with BC be SPF No truss conr on (by oth standing 5	a rectangle veen the bott DL = 10.0ps 0.2 . nections. ers) of truss 0 lb uplift at	om f. to					
	Rigid ceiling directly bracing. (size) 9=0-3-8, Max Horiz 14=-111 (Max Uplift 9=-50 (LC Max Grav 9=1251 (I	14= Mechanical LC 4) : 9)	10	International R802.10.2 ar) Graphical pu or the orienta bottom chore		e sections andard AN on does no	R502.11.1 a ISI/TPI 1. ot depict the s						
FORCES	(lb) - Maximum Corr Tension		-, r	DAD CASE(S)	Standard								
TOP CHORD	1-2=-39/76, 2-3=-10 4-5=-1587/59, 5-6=- 7-8=0/54, 1-14=-21/	1656/52, 6-7=-324/0	,										
BOT CHORD	13-14=0/630, 11-13 9-10=-34/1492	,	5,										
WEBS	2-13=0/533, 3-13=-2 4-11=-832/92, 5-11= 2-14=-1321/27, 6-9=	-9/239, 5-10=0/208,	- ,									CIT	- CDL
this design 2) Wind: ASC Vasd=91m II; Exp C; I	ed roof live loads have DE 7-16; Vult=115mph ph; TCDL=6.0psf; BC Enclosed; MWFRS (er xposed ; end vertical	(3-second gust) DL=6.0psf; h=25ft; C avelope); cantilever le	at. eft							f	.*	STATE OF M STATE OF M ANDR THOM JOINT	

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



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NUMBER

PE-2017018993

February 19,2024

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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/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 195 HT	
B240015	G3	Roof Special	1	1	Job Reference (optional)	163679815

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:12 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

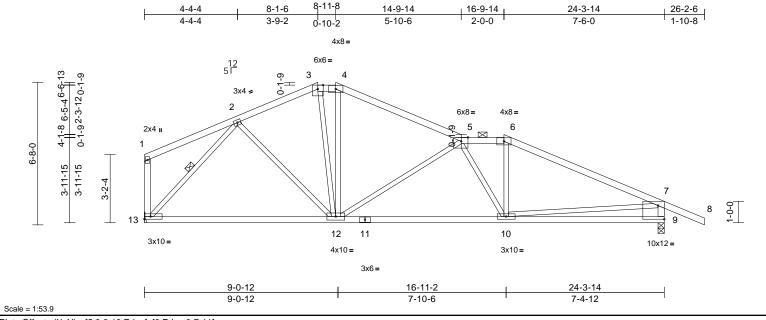


Plate Offsets (X, Y):	[5:0-3-13,Edge], [9:Edge,0-7-11]	

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	J/TPI2014	CSI TC BC WB Matrix-S	0.98 0.69 0.89	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	-0.33 0.04	(loc) 12-13 12-13 9 10-12	l/defl >999 >883 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 101 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SPF No.2 2x3 SPF No.2 *Exce 9-7:2x4 SP No.3 Structural wood she 3-1-15 oc purlins, e 2-0-0 oc purlins (4-7 Rigid ceiling directly	athing directly appli xcept end verticals, '-0 max.): 3-4, 5-6.	6) 7) ed or 8) and	on the bottor 3-06-00 tall b chord and ar All bearings Refer to gird Provide mec bearing plate 9. This truss is	has been designed in chord in all area by 2-00-00 wide w by other members are assumed to be er(s) for truss to tr hanical connection e capable of withst designed in accor	s where ill fit betw e SPF Ne uss conr n (by oth anding 4 dance w	a rectangle veen the botto o.2. nections. ers) of truss t 9 lb uplift at j ith the 2018	om to oint					
WEBS REACTIONS		9)	, LO	R802.10.2 a Graphical pu		ndard AN n does no	ISI/TPI 1. ot depict the s						
FORCES	(lb) - Maximum Com Tension	pression/Maximum	,										
BOT CHORD WEBS	4-5=-1169/44, 5-6=- 7-8=0/54, 1-13=-149	1483/66, 6-7=-1723 3/30, 7-9=-1157/88 =0/1635, 9-10=-65/4 14/384, 4-12=-16/18 =-310/27, 6-10=0/33	8/43, 130 19,									Contraction of M	MISS
this design 2) Wind: ASC Vasd=91n II; Exp C; and right e Lumber D	ed roof live loads have	been considered fo (3-second gust) DL=6.0psf; h=25ft; vvelope); cantilever left and right expose DL=1.60	Cat. left ed;							(H	STATE OF M ANDR THOM JOINT NUMI PE-20170	SON *

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

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 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANS/TPH1 Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)



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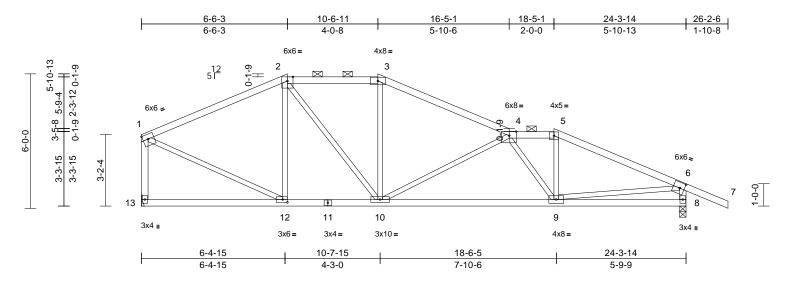
February 19,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	G4	Roof Special	1	1	Job Reference (optional)	163679816

Run: 8 73 S Feb 6 2024 Print: 8 730 S Feb 6 2024 MiTek Industries Inc. Fri Feb 16 08:46:13 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:51.5

Loa тс TC вс BC LUMBER

Plate Offsets (X, Y):	Plate Offsets (X, Y): [1:Edge,0-2-8], [4:0-3-13,Edge], [6:0-2-9,0-3-0], [12:0-2-8,0-1-8]													
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	25.0	Plate Grip DOL	1.15	тс	0.65	Vert(LL)	-0.11	9-10	>999	360	MT20	197/144		
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.25	9-10	>999	240				
BCLL	0.0*	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.03	8	n/a	n/a				
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.04	9-10	>999	240	Weight: 98 lb	FT = 10%		

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x3 SPF No.2 *Except* 13-1:2x4 SPF No.2, WEBS 8-6:2x4 SP No.3 BRACING Structural wood sheathing directly applied or TOP CHORD 3-9-14 oc purlins, except end verticals, and 2-0-0 oc purlins (4-7-4 max.): 2-3, 4-5. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing REACTIONS 8=0-3-8, 13= Mechanical (size) Max Horiz 13=-110 (LC 4) Max Uplift 8=-44 (LC 9) Max Grav 8=1229 (LC 1), 13=1075 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=-1089/37, 2-3=-1179/55, 3-4=-1358/35, 4-5=-1518/44, 5-6=-1743/26, 6-7=0/54, 1-13=-1012/21, 6-8=-1176/70 12-13=-12/101, 10-12=0/936, 9-10=0/1818, BOT CHORD 8-9=-35/237 WEBS 2-12=-314/58, 2-10=-31/483, 3-10=0/235, 4-10=-723/94, 4-9=-534/46, 5-9=0/406, 1-12=0/963, 6-9=0/1306 NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) 2) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding. 3)
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 5) * 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. 6) All bearings are assumed to be SPF No.2 .
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 8
- This truss is designed in accordance with the 2018 9) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- LOAD CASE(S) Standard



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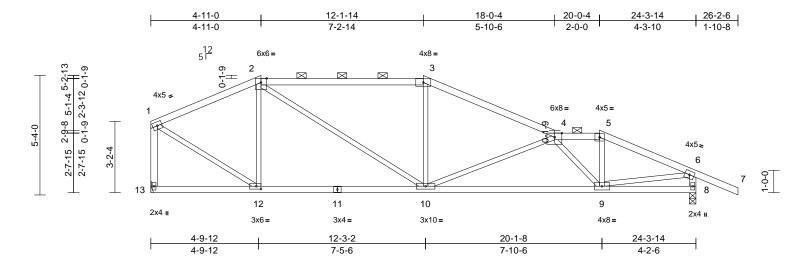
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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	G5	Roof Special	1	1	Job Reference (optional)	163679817

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:13 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:51.4

Plate C	Offsets	(X.	Y):	[4:0-3-13,Edge], [12:0-2-8,0-1-8]

	(x, 1): [1:0 0 10,Eugo	j, [12.0 2 0,0 1 0]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.59 0.66 0.67	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.10 -0.23 0.04 0.04	(loc) 9-10 9-10 8 9-10	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 94 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x3 SPF No.2 *Exce 8-6:2x4 SP No.3 Structural wood she 3-8-11 oc purlins, e 2-0-0 oc purlins (4-8 Rigid ceiling directly bracing.	ept* 13-1:2x4 SPF N athing directly applic xcept end verticals, -11 max.): 2-3, 4-5. applied or 10-0-0 o 13= Mechanical (LC 4) 2 5), 13=-3 (LC 4)	o.2, 6) 7) 8) ed or and 9) c 1(on the botton 3-06-00 tall li chord and ar All bearings Refer to gird Provide mec bearing plate 13 and 39 lb This truss is International R802.10.2 a		as where will fit betw s. be SPF No truss conr on (by oth standing 3 ordance w e sections andard AN on does no	a rectangle veen the bott o.2. ers) of truss b uplift at jo K502.11.1 i SI/TPI 1. ot depict the	tom to bint and					
FORCES	(lb) - Maximum Com Tension		.,										
TOP CHORD BOT CHORD WEBS	1-2=-1001/45, 2-3=- 4-5=-1479/22, 5-6=- 1-13=-1039/21, 6-8=	1684/8, 6-7=0/54, 1191/52 2=0/886, 9-10=0/200 24/647, 3-10=0/25 800/53, 5-9=0/458,	03,								d	TATE OF I	MISSO
 this design Wind: ASC Vasd=91n II; Exp C; and right e Lumber D Provide ac This truss 	ed roof live loads have	been considered fo (3-second gust) DL=6.0psf; h=25ft; nvelope); cantilever left and right expose 0L=1.60 event water ponding r a 10.0 psf bottom	Cat. left ed; g.							(H.	ANDI THOM JOHN NVM PE-2017	dew dAS SON BER 018993

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February 19,2024

Job	Truss	russ Type Qty Ply Lot 195 HT		Lot 195 HT		
B240015	G6	Roof Special	1	1	Job Reference (optional)	163679818

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:14 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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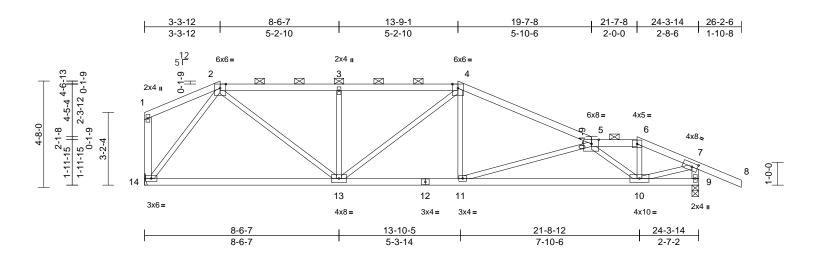


Plate Offsets (X, Y): [5:0-3-13,Edge], [7:0-2-15,0-2-0]

	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,], [7.0 2 10,0 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 IRC20 ²	8/TPI2014	CSI TC BC WB Matrix-S	0.65 0.73 0.76	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	-0.32 0.05	(loc) 13-14 13-14 9 10-11	l/defl >999 >887 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 95 lb	GRIP 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD		athing directly applie cept end verticals, ai -11 max.): 2-4, 5-6. applied or 10-0-0 oc	5 .2, ed or 6 nd 7 8	 chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar All bearings Refer to gird Provide mec bearing plate 9 and 143 lb This truss is 	Is been designed f ad nonconcurrent v has been designed n chord in all areas by 2-00-00 wide wi hy other members. are assumed to be er(s) for truss to tru hanical connectior e capable of withst uplift at joint 14. designed in accore	with any for a liv s where Il fit betv SPF N uss conu (by oth anding f dance w	other live load e load of 20.0 a rectangle veen the botto c.2. nections. ers) of truss t 89 lb uplift at ith the 2018	Opsf om to t joint				-	
REACTIONS	•	14= Mechanical LC 4) C 5), 14=-143 (LC 4	·)	R802.10.2 at 0) Graphical pu or the orienta	Residential Code nd referenced star rlin representation ation of the purlin a	dard AN does n	ISI/TPI 1. ot depict the s						
FORCES	(lb) - Maximum Com	1.	,	bottom chore OAD CASE(S)									
TOP CHORD	Tension 1-2=-88/48, 2-3=-144 4-5=-1764/247, 5-6= 6-7=-1485/126, 7-8= 1-14=-113/40	-1309/122,	,										
BOT CHORD	13-14=-46/696, 11-1												100
WEBS	10-11=-256/2290, 9- 2-13=-119/1024, 3-1 4-13=-99/109, 4-11= 5-10=-1266/241, 6-1 7-10=-104/1402, 2-1	3=-444/174, =0/382, 5-11=-770/22 0=-28/499,	22,								A	STATE OF AND	MISSOLD REW
this desigr 2) Wind: ASC Vasd=91m II; Exp C; I cantilever right expos	ed roof live loads have	been considered for (3-second gust) DL=6.0psf; h=25ft; C ivelope) exterior zon ; end vertical left an 0 plate grip DOL=1.6	Cat. ne; d 60							ζ	* Ph	NUM PE-2017	KAS Sontin *

- right exposed; Lumber DOL=1.60 plate grip DOL=1.60 3) Provide adequate drainage to prevent water ponding.

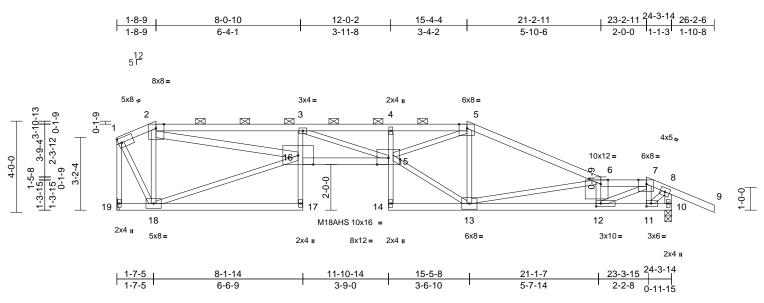
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February 19,2024

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Job	Truss	Truss Type	Qty Ply Lot 195 HT		Lot 195 HT	
B240015	G7	Roof Special Girder	1	1	Job Reference (optional)	163679819

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:14 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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Scale = 1:50.5
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Plate Offsets (2	X, Y): [2:0-4-3,Edge],	[5:0-4-3,Edge], [6:0-	-3-13,Edg	e], [7:0-4-3,Edg	je], [11:0-2-8,0-1	I-8], [12:0-	2-8,0-1-8]						
Loading TCLL (roof) TCDL BCLL	(psf) 25.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 NO		CSI TC BC WB	0.87 0.80 0.96	DEFL Vert(LL) Vert(CT) Horz(CT)	-0.68 0.34	(loc) 15-16 15-16 10	l/defl >766 >425 n/a	L/d 360 240 n/a	PLATES MT20 M18AHS	GRIP 197/144 142/136
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S		Wind(LL)	0.28	15-16	>999	240	Weight: 105 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SPF No.2 *Exce 1.8E 2x4 SPF No.2 *Exce No.2, 16-15:2x4 SPF 2x3 SPF No.2 *Exce No.2 Structural wood she	pt* 17-3,4-14:2x3 SF = 2100F 1.8E pt* 16-2,10-8:2x4 SF athing directly applie	0F 2) PF PF 3) d or 4	 this design. Wind: ASCE Vasd=91mpl II; Exp C; En cantilever lef right expose Provide aded All plates are 	roof live loads h 7-16; Vult=115r ; TCDL=6.0psf; closed; MWFRS t and right expo t; Lumber DOL= uate drainage t MT20 plates ur	nph (3-sec BCDL=6.0 6 (envelope sed ; end v =1.60 plate o prevent v hless other	cond gust) Dpsf; h=25ft; e) exterior zo rertical left ar grip DOL=1 water pondin wise indicate	Cat. ne; id 60 g.	Co		, 17-19 ted Lo	9=-20, 15-16=-20, ads (lb)	, 6-7=-70, 7-8=-70, 10-14=-20
BOT CHORD	2-10-0 oc purlins, e 2-0-0 oc purlins (2-9 Rigid ceiling directly bracing, Except: 6-0-0 oc bracing: 11	-9 max.): 2-5, 6-7. applied or 10-0-0 oc	C1	chord live loa * This truss h on the bottor 3-06-00 tall b	s been designer ad nonconcurrer las been design n chord in all are by 2-00-00 wide	nt with any ed for a liv eas where will fit betw	other live loa e load of 20. a rectangle	Opsf					
	•	19= Mechanical LC 4) LC 5), 19=-171 (LC 4) (LC 1), 19=1075 (LC		 All bearings Refer to gird Provide mec bearing plate 	y other member are assumed to er(s) for truss to hanical connection capable of with	be SPF No truss conr ion (by oth standing 1	ections. ers) of truss						
TOP CHORD	Tension 1-2=-512/105, 2-3=- 3-4=-4308/644, 4-5= 5-6=-1957/294, 6-7= 7-8=-800/147, 8-9=0 8-10=-1179/276	4374/710, 4247/642, 2505/344,	1	 This truss is International R802.10.2 at 1) Graphical put 	o uplift at joint 1 designed in acc Residential Coo nd referenced st rlin representati tion of the purli	ordance w le sections andard AN on does no	R502.11.1 a ISI/TPI 1. ot depict the s					Fr OF M	AISC
BOT CHORD	18-19=-20/114, 17-1 3-16=-351/156, 15-1 14-15=0/41, 4-15=-2 12-13=-293/2420, 1 10-11=-64/49	6=-595/4430, ?72/93, 13-14=-8/51, 1-12=-94/766,	· 1	 Hanger(s) or provided suff down and 8 l down and 83 	other connectio icient to suppor b up at 29-5-11 4 lb up at 29-4- tion of such con	t concentra on top ch 11 on bott	nted load(s) 5 ord, and 141 om chord. T	lb he		/		STATE OF M ANDR THOM	IAS Y
WEBS	2-18=-980/219, 16-1 2-16=-605/3931, 3-1 13-15=-215/1975, 5- 5-13=-742/152, 6-13 6-12=-914/192, 7-12 7-11=-867/69, 1-18= 8-11=-162/962	5=-313/73, 15=-377/2736, =-695/192, =-260/2007,		responsibility 3) In the LOAD of the truss a OAD CASE(S)	of others. CASE(S) section re noted as from Standard of Live (balanced ase=1.15	n, loads a it (F) or ba	oplied to the ck (B).	face		l	A State	NUMI PE-20170	BER D18993

February 19,2024

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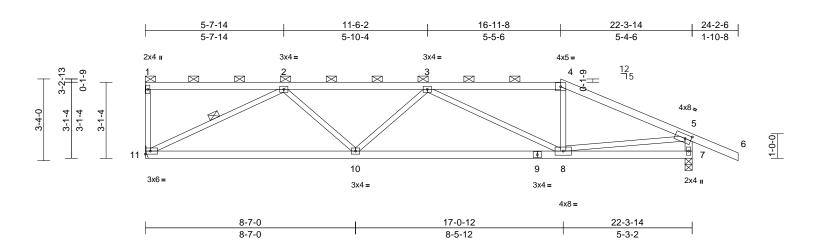
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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	G8	Half Hip	1	1	Job Reference (optional)	163679820

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:15 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:47

Plate Offsets (X, Y): [5:0-2-15,0-2-0]

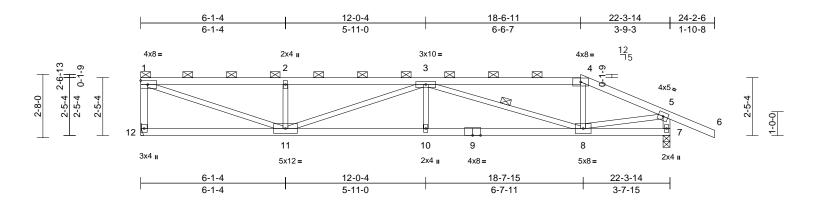
	X, T). [3.0-2-13,0-2-0	1										
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.42 0.75 0.71	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.14 -0.31 0.05	(loc) 10-11 10-11 7 8-10	l/defl >999 >859 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 79 lb	GRIP 197/144
BCDL	10.0	Code	IRC2018/1PI2014	Matrix-S		Wind(LL)	0.05	8-10	>999	240	vveight: 79 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS		athing directly applie xcept end verticals, a -11 max.): 1-4. applied or 10-0-0 oc 2-11	7) Refer to 8) Provide bearing 11 and and 9) This tru Internat R802.1 c 10) Graphic or the o bottom	ings are assumed to girder(s) for truss to mechanical connecti plate capable of with 50 lb uplift at joint 7. ss is designed in acco onal Residential Cod 0.2 and referenced st al purlin representation rientation of the purlin chord. E(S) Standard	truss conr ion (by oth standing 5 ordance w le sections andard AN on does no	ections. ers) of truss i0 lb uplift at ith the 2018 is R502.11.1 ISI/TPI 1. ot depict the	joint and					
REACTIONS	(size) 7=0-3-8, 1 Max Horiz 11=-104 (11= Mechanical										
	Max Uplift 7=-60 (LC	5), 11=-50 (LC 4)										
	Max Grav 7=1141 (L)									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-11=-167/38, 1-2=- 3-4=-1381/48, 4-5=- 5-7=-1096/81		, ,									
BOT CHORD	10-11=-52/1505, 8-1	0=-57/1969, 7-8=-2	1/158									
WEBS	2-11=-1649/122, 2-1	,	/97,									
	3-8=-729/85, 4-8=0/3	316, 5-8=-9/1244									000	alle
 this design Wind: ASC Vasd=91m II; Exp C; I and right e Lumber D0 Provide ac This truss chord live * This truss on the bott 3-06-00 ta 	ed roof live loads have h. CE 7-16; Vult=115mph hph; TCDL=6.0psf; BC Enclosed; MWFRS (er exposed ; end vertical I OL=1.60 plate grip DO load nonconcurrent wi s has been designed for load nonconcurrent wi s has been designed for tom chord in all areas II by 2-00-00 wide will any other members.	(3-second gust) DL=6.0psf; h=25ff; C ivelope); cantilever li- left and right expose uL=1.60 event water ponding r a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle	Cat. eft d; J. ds. ipsf						(Å.*	PE-2017 Februar	MAS ISON

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent oulgase with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANS/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) TION 'IEW DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 03/12/2024 12:22:35

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	G9	Half Hip	1	1	Job Reference (optional)	163679821

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:16 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:48.6

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	0.65	Vert(LL)	-0.18	10-11	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.33	10-11	>812	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.10	10-11	>999	240	Weight: 79 lb	FT = 20%
	No.2 Structural wood she 4-7-1 oc purlins, ex 2-0-0 oc purlins (3-4 Rigid ceiling directly bracing. 1 Row at midpt	applied or 10-0-0 oc 3-8 12= Mechanical C 4) : 5), 12=-50 (LC 4)	on the bottor 3-06-00 tall t chord and ar 6) All bearings 7) Refer to gird d or 8) Provide mec bearing plate 12 and 70 lb 9) This truss is International R802.10.2 a 10) Graphical pu		where fit betw SPF No s conr by oth nding 5 ance wi ections ard AN loes no	a rectangle veen the botto o.2. nections. ers) of truss to 0 lb uplift at jo ith the 2018 R502.11.1 a ISI/TPI 1. ot depict the s	o oint nd					
FORCES	(lb) - Maximum Com											
TOP CHORD	Tension 1-12=-922/80, 1-2=- 3-4=-1357/60, 4-5=- 5-7=-1113/81	2094/110, 2-3=-2094 1520/52, 5-6=0/54,	/110,									
BOT CHORD		81/2617, 8-10=-81/2	617,									
WEBS		1=-423/101, 3-10=0/ 1390, 3-11=-556/35,	252,								TATE OF M	
NOTES											FIE	N.O.Som
this design 2) Wind: ASC Vasd=91m II; Exp C; E and right e Lumber D0 3) Provide ad	ed roof live loads have a. SE 7-16; Vult=115mph uph; TCDL=6.0psf; BC Enclosed; MWFRS (er exposed; end vertical 1 DL=1.60 plate grip DO lequate drainage to pr has been designed for	(3-second gust) DL=6.0psf; h=25ft; C ivelope); cantilever le eft and right exposed L=1.60 event water ponding.	ft						l	J.	ANDR THOM JOHN NUMI PE-2017	AAS SON BER

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



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February 19,2024

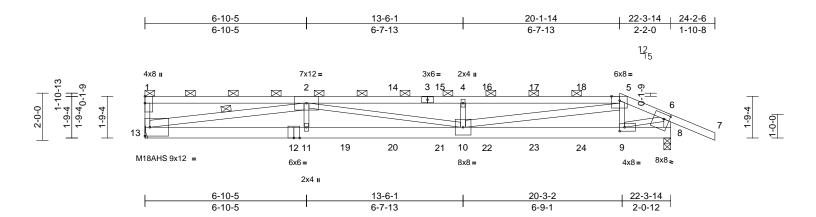
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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	G10	Half Hip Girder	1	1	Job Reference (optional)	163679822

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries. Inc. Fri Feb 16 08:46:16 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:48.9

Plate Offsets (X, Y): [5:0-4-3,Edge], [8:0-2-12,0-2-8], [9:0-2-8,0-2-0]

	, T). [5.0-4-5,⊵uge],	[0.0-2-12,0-2-0], [3.	0-2-0,0-2-	0]									
Loading TCLL (roof) TCDL	(psf) 25.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15		CSI TC BC	0.92 0.87	DEFL Vert(LL) Vert(CT)		(loc) 10-11 10-11	l/defl >773 >422	L/d 360 240	PLATES M18AHS MT20	GRIP 142/136 197/144
BCLL	0.0*	Rep Stress Incr	NO		WB	0.98	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S		Wind(LL)	0.29	10-11	>914	240	Weight: 102 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD	2x4 SPF 2100F 1.8E No.2 2x6 SPF No.2 *Exce		5	chord live loa) * This truss h	as been designed ad nonconcurrent nas been designe n chord in all area	with any d for a liv	other live loa e load of 20.0			(B), 18=	=-2 (B),	, 14=-2 (B), 15=-2 , 19=-231 (B), 20= 1 (B), 24=1 (B)	2 (B), 16=-2 (B), 17=-2 =1 (B), 21=1 (B),
	2.0E				oy 2-00-00 wide w		veen the botto	om					
WEBS	2x3 SPF No.2 *Exce No.2, 8-6:2x4 SPF 2		PF 6		ny other members assumed to be:			vint 8					
BRACING	INU.2, 0-0.2X4 SFF 2	400F 2.0E	0	SP 2400F 2.			511 10.2,50	int o					
TOP CHORD	 4-4-0 oc purlins, except end verticals, and 2-0-0 oc purlins (2-9-12 max.): 1-5. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 218 lb uplift at joint 												
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:13 and 280 lb uplift at joint 8.8-6-0 oc bracing: 11-13.9												
WEBS		2-13	1		nd referenced sta Irlin representation								
REACTIONS	(size) 8=0-3-8, Max Horiz 13=-75 (L Max Uplift 8=-280 (L Max Grav 8=1220 (L	.C 5), 13=-218 (LC 4) 1	 or the orientation of the purlin along the top and/or bottom chord. 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 65 lb 									
FORCES	(lb) - Maximum Com Tension	pression/Maximum		down and 26 lb up at 10-6-7, 65 lb down and 26 lb up at 12-6-7, 65 lb down and 26 lb up at 14-6-7, and 65 lb									
TOP CHORD	1-13=-222/87, 1-2=- 4-5=-4203/827, 5-6= 6-8=-1275/280			down and 26 up at 18-6-7	b lb up at 16-6-7, on top chord, and 19 lb down and 1	and 65 ll d 231 lb	down and 2 down and 48	6 lb Ib				Contra I	all the second
BOT CHORD	11-13=-751/4108, 10 9-10=-281/1563, 8-9			down and 1	lb up at 12-6-7, 1 down and 1 lb up	9 lb dow	n and 1 lb up					TATE OF A	AISSO
WEBS	2-13=-4028/777, 2-1 4-10=-481/208, 5-9= 6-9=-325/1619, 5-10	=-321/124,	371,	up at 20-1-1	lb up at 18-6-7, a 4 on bottom chor tion device(s) is th	d. The d	esign/selectic	on of			A	THON	IAS Y
NOTES			1	2) In the LOAD	CASE(S) section	, loads a	pplied to the f			/	13 *	JOHN	son + y
Vasd=91n II; Exp C; cantilever right expos 2) Provide ad	 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 				of the truss are noted as front (F) or back (B). LOAD CASE(S) Standard 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-5=-70, 5-6=-70, 6-7=-70, 8-13=-20 Concentrated Loads (lb)							FINA	

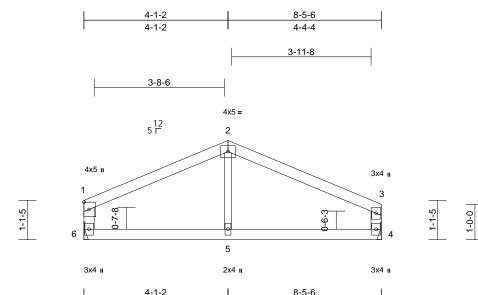
- Provide adequate drainage to prevent water ponding. 2)
- 3) All plates are MT20 plates unless otherwise indicated.



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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	H1	Common	1	1	Job Reference (optional)	163679823

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:17 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



4-1-2	8-5-6
4-1-2	4-4-4

Scale = 1	1:32.7
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.03	5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	-0.06	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.01	4-5	>999	240	Weight: 24 lb	FT = 10%

LUMBER

- TOP CHORD 2x4 SPF No.2

BOT CHORD 2x4 SPF No.2 2x4 SP No.3 *Except* 5-2:2x3 SPF No.2 WEBS BRACING

TOP CHORD		wood sheathing directly applied or
	6-0-0 oc p	ourlins, except end verticals.
BOT CHORD	Rigid ceili	ng directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	4= Mechanical, 6= Mechanical
	Max Horiz	6=-27 (LC 6)
	Max Uplift	4=-5 (LC 9), 6=-4 (LC 8)
	Max Grav	4=367 (LC 1), 6=367 (LC 1)

2-9-12

	101ax Grav = 4=307 (LC T), 0=307 (LC T)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-2=-371/21, 2-3=-373/19, 3-4=-289/32,
	1-6=-284/29
BOT CHORD	5-6=0/283 4-5=0/283

2-5=0/122

WFBS

NOTES

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

- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom 3) chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SPF No.2 . 5)
- Refer to girder(s) for truss to truss connections. 6)
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4 lb uplift at joint 6 and 5 lb uplift at joint 4.

8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. LOAD CASE(S) Standard

> OF MISSO ANDREW THOMAS JOHNSON NUMBER PE-2017018993 SIONAL E February 19,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	H2	Common	2	1	Job Reference (optional)	163679824

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:17

Wheeler Lumber, Waverly, KS - 66871,

ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f -1-10-8 4-4-4 8-8-8 10-7-0 1-10-8 4-4-4 4-4-4 1-10-8 3-11-8 3-11-8 4x5 =12 5 Г 3 3x6 II 3x6 II 2-10-15 2-9-12 2 4 1-0-0 φ ഄ 5 • 8 6 Ø 7 3x4 II 2x4 u 3x4 II 4-4-4 8-8-8 4-4-4 4-4-4

Scale = 1:34.1

TOP CHORD

BOT CHORD

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	-0.03	7	>999	360	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	-0.05	7	>999	240			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	6	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.01	7-8	>999	240	Weight: 29 lb	FT = 10%	
LUMBER 7) This truss is designed in accordance with the 2018													

 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

WEBS	2x4 SPF I	No.2 *Except* 7-3:2x3 SPF No.2
BRACING		
TOP CHORD	Structura	wood sheathing directly applied or
	6-0-0 oc p	ourlins, except end verticals.
BOT CHORD	Rigid ceil	ng directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	6=0-3-8, 8=0-3-8
	Max Horiz	8=-23 (LC 6)
	Max Uplift	6=-97 (LC 9), 8=-97 (LC 8)
	Max Grav	6=520 (LC 1), 8=520 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOP CHORD	1-2=0/54,	2-3=-343/51, 3-4=-343/51,
	4-5=0/54,	2-8=-447/123, 4-6=-447/123

2x4 SPF No.2

2x4 SPF No.2

BOT CHORD 7-8=0/245, 6-7=0/245 WEBS 3-7=0/141 NOTES

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

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf 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 .
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 8 and 97 lb uplift at joint 6.

ANDREW THOMAS JOHNSON PE-2017018993

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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	НЗ	Нір	1	1	Job Reference (optional)	163679825

2-2-3

2-0-9 2-0-9

1-0-0

ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f -1-10-8 2-10-0 5-10-8 8-8-8 10-7-0 1-10-8 2-10-0 3-0-8 2-10-0 1-10-8 2-4-0 2-4-0 12 5 6x6 = 4x5 = 3 4 \ge 3x6 II 3x6 II 2 5 0-6-3 -6-3 6 10 7 \bigotimes X 9 8 3x4 = 3x4 = 2x4 II 3x4 = 2-8-12 5-11-12 8-8-8 2-8-12 3-3-0 2-8-12

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:17

Scale = 1:28.1

2-3-5

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

	(, .). [go,o . o]					_							
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	8/TPI2014	CSI TC BC WB Matrix-S	0.40 0.30 0.03	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.04 -0.07 0.00 0.02	(loc) 8-9 8-9 7 8-9	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 32 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x3 SPF No.2 *Exce No.2 Structural wood she 6-0-0 oc purlins, exi 2-0-0 oc purlins (6-0 Rigid ceiling directly	athing directly applicept end verticals, a	PF 8) ed or 9) ind	bearing plate 10 and 107 This truss is International R802.10.2 a Graphical pu		tanding 1 rdance w sections ndard AN n does no	07 Ib uplift a ith the 2018 R502.11.1 a ISI/TPI 1. ot depict the s	t joint and					
REACTIONS	bracing. (size) 7=0-3-8, 1 Max Horiz 10=-24 (L Max Uplift 7=-107 (L Max Grav 7=520 (LC	C 6) C 5), 10=-107 (LC 4	,										
FORCES	(lb) - Maximum Com	,, ()											
TOP CHORD	Tension 1-2=0/54, 2-3=-360/4 4-5=-360/48, 5-6=0/5 5-7=-434/113												
BOT CHORD	9-10=0/272, 8-9=0/2	272, 7-8=0/272											
WEBS	3-9=-6/82, 3-8=-15/1	17, 4-8=-9/83											
this design 2) Wind: ASC Vasd=91m II; Exp C; I cantilever	ed roof live loads have n. CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed; Lumber DOL=1.6	(3-second gust) DL=6.0psf; h=25ft; velope) exterior zor ; end vertical left an	Cat. ne; id									STATE OF I	
	dequate drainage to pr		g .							- 1	Kr.	my	ing

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

February 19,2024

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NUMBER

PE-2017018993

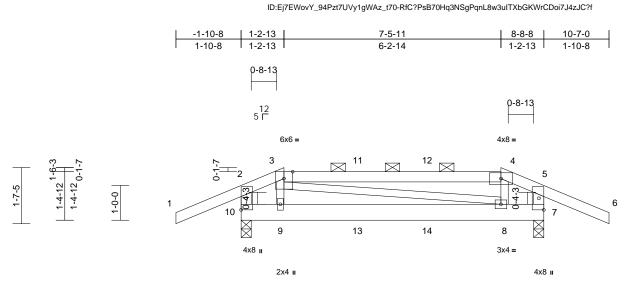


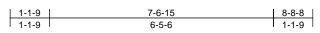


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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	H4	Hip Girder	1	1	Job Reference (optional)	163679826





Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:18

Scale = 1:33.1

		1											
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		тс	0.61	Vert(LL)	-0.02	8-9	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.19	Vert(CT)	-0.04	8-9	>999	240		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.09	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC20	18/TPI2014	Matrix-S		Wind(LL)	-0.02	8-9	>999	240	Weight: 38 lb	FT = 10%
LUMBER			7		hanical connecti								
TOP CHORD	2x4 SPF No.2				e capable of with		49 lb uplift a	at joint					
BOT CHORD	2x6 SPF No.2				b uplift at joint 7								
WEBS	2x3 SPF No.2 *Exce	ept* 10-2,7-5:2x4 SF	F V		designed in acc Residential Coc								
	No.2							and					
BRACING					nd referenced st urlin representati			0170					
TOP CHORD	Structural wood she			/ / /	ation of the purli			SIZE					
	6-0-0 oc purlins, ex		nd	bottom chore		n along the	top anu/or						
	2-0-0 oc purlins (6-0					n device/s) shall bo						
BOT CHORD	Rigid ceiling directly	applied or 6-0-0 oc		 Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 45 lb 									
	bracing.												
	· · · ·			down and 12 lb up at 1-2-13, 50 lb down and 11 lb up at 3-4-4, and 50 lb down and 11 lb up at 5-4-4, and 45 lb									
	Max Horiz 10=24 (LC	- /			2 lb up at 7-5-11								
	Max Uplift 7=-349 (L	<i>,,</i>	,		39 lb up at 1-2-1								
	Max Grav 7=481 (L0	C 17), 10=481 (LC 1	8)		d 14 lb down and								
FORCES	(lb) - Maximum Corr	pression/Maximum			689 lb up at 7-4								
	Tension			design/selec	tion of such con	nection de	vice(s) is the	9					
TOP CHORD	1-2=0/54, 2-3=-396/	370, 3-4=-345/253,		responsibility	y of others.		. ,						
	4-5=-390/369, 5-6=0)/54, 2-10=-305/201	, ,	1) In the LOAD	CASE(S) section	on, loads a	oplied to the	face					
	5-7=-311/208			of the truss a	are noted as fror	nt (F) or ba	ck (B).						
BOT CHORD	9-10=-308/370, 8-9=	-260/376, 7-8=-298	/357	OAD CASE(S)	Standard								
WEBS	3-9=-476/113, 3-8=-	60/56, 4-8=-492/124	1	 Dead + Roof Live (balanced): Lumber Increase=1.15. 									
NOTES				Plate Incre		,							
1) Unbalance	ed roof live loads have	been considered fo	r	Uniform Lo	ads (lb/ft)								
this design				Vert: 1-2=-70, 2-3=-70, 3-4=-70, 4-5=-70, 5-6=-70,						Jan			
2) Wind: AŠC	CE 7-16; Vult=115mph	(3-second gust)		7-10=-20								ATE OF I	MISO
Vasd=91m	nph; TCDL=6.0psf; BC	DL=6.0psf; h=25ft; (Cat.	Concentrat	ed Loads (lb)						1	750	1,00
											4		

- II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and
- right exposed; Lumber DOL=1.60 plate grip DOL=1.60 3) Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom 4)
- chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf 5)
- 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 . 6)

Vert: 9=50 (B), 8=50 (B)



DEVELORMENT SERVICES LEE'S'SUMMIT'SMISSOURI 03/12/2024 12:22:35

TION

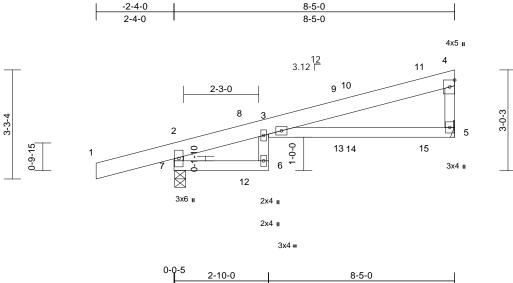
Page: 1

 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 besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANS/TPH1 Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J1	Diagonal Hip Girder	1	1	Job Reference (optional)	163679827

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:18 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





0-0-5 2-9-11 5-7-0

Scale = 1:34.5

Plate Offsets (X, Y): [3:0-2-10,0-0-5]

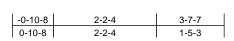
Loading (psf) TCLL (roof) 25.0 TCDL 10.0 BCLL 0.0* BCDL 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2018/TPI2014	CSI TC BC WB Matrix-R	0.63 0.35 0.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.11 -0.21 0.09 0.10	(loc) 3-5 3-5 5 3-5	l/defl >878 >468 n/a >961	L/d 360 240 n/a 240	PLATES MT20 Weight: 32 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD 2x6 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2 BRACING TOP CHORD Structural wood she 6-0-0 oc purlins, ex BOT CHORD Rigid ceiling directly bracing.	athing directly applied cept end verticals. applied or 6-0-0 oc nical, 7=0-3-14 C 8), 7=-171 (LC 4) C 8), 7=-171 (LC 4) C 8), 7=-575 (LC 1) pression/Maximum 11, 3-4=-206/30, 555/187 3-5=-47/164 (3-second gust) DL=6.0psf; h=25ft; Ca velope) exterior zone ; end vertical left and D plate grip DOL=1.60 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. s connections. by others) of truss to iding 125 lb uplift at jo ance with the 2018 ections R502.11.1 and	 8) Hanger(s) of provided suddown and 1 3-3-12, 108 down and 4 up at 8-5-4 at 3-0-9, 3 down and 2 up at 8-5-4 such conner 9) In the LOAL of the truss LOAD CASE(S 1) Dead + Ro Plate Incredunt of the truss LOAD CASE(S 1) Dead + Ro Plate Incredunt of the truss LOAD CASE(S 1) Dead + Ro Plate Incredunt of the truss LOAD CASE(S 1) Dead + Ro Plate Incredunt of the truss LOAD CASE(S 1) Dead + Ro Plate Incredunt of the truss LOAD CASE(S 1) Dead + Ro Plate Incredunt of the truss LOAD CASE(S 1) Dead + Ro Plate Incredunt of the truss LOAD CASE(S 1) Dead + Ro Plate Incredunt of the truss LOAD CASE(S 1) Dead + Ro Plate Incredunt of the truss LOAD CASE(S 1) Dead + Ro Plate Incredunt of the truss LOAD CASE(S 1) Dead + Ro Plate Incredunt of the trust of the t	or other connection fficient to support 34 lb up at 3-0-9, lb down and 57 lb 8 lb up at 6-2-15, on top chord, and lb down at 3-3-12 3 lb up at 6-2-15, on bottom chord. ction device(s) is t 0 CASE(S) section are noted as front 0 Standard oof Live (balanced) ease=1.15	concentra 63 lb dov up at 5- and 97 lk 18 lb dov , at 5-10 and 63 lk The desi he respon , loads ag (F) or ba : Lumber 4=-70, 6-) shall be tited load(s) 7 wn and 36 lb 10-8, and 92 o down and 5 wn and 21 lb down and 1 gn/selection nsibility of oth opplied to the ck (B). Increase=1. 7=-20, 3-5=-2	72 lb up at !lb !9 lb up 8 lb of hers. face .15,		(*	STATE OF STATE OF HO JOIN PE-2017	MISSOUR REW MAS

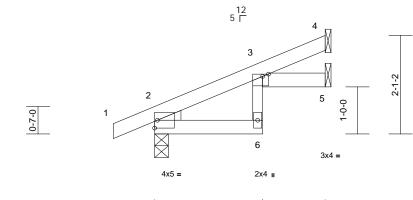
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent oulgase with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANS/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 195 HT	
B240015	J2	Jack-Open	1	1	Job Reference (optional)	163679828

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:18 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







Scale = 1:24.5

Plate Offsets (X, Y): [3:0-1-8,0-0-9]

2-2-4

											-	
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	-0.02	(.00)	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	-0.03	6	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P		Wind(LL)	0.02	6	>999	240	Weight: 11 lb	FT = 10%
BOT CHORD 2x4 SI WEBS 2x3 SI WEDGE Left: 2 BRACING TOP CHORD Struct 3-7-7 BOT CHORD Rigid bracin REACTIONS (size) Max Hot Max Up	oc purlins. ceiling directly g. 2=0-3-8, Mechanio riz 2=75 (LC Jift 2=-37 (LC		Internationa R802.10.2 a LOAD CASE(S) ed or	designed in accord Residential Code nd referenced star Standard	sections	s R502.11.1 a	and					
TOP CHORD 1-2=0, BOT CHORD 2-6=0,	Maximum Con on /6, 2-3=-78/0, /0, 3-5=-3/3	npression/Maximum 3-4=-26/46										
WEBS 3-6=0.	/41											
 II; Exp C; Enclose cantilever left and right exposed; Lur This truss has bee chord live load nor * This truss has be on the bottom cho 3-06-00 tall by 2-0 chord and any oth All bearings are as Refer to girder(s) f Provide mechanic 	DL=6.0psf; BC d; MWFRS (e right exposed heber DOL=1.6 n designed fo neconcurrent w een designed fo neconcurrent w een designed d in all areas 0-00 wide will er members. ssumed to be or truss to tru al connection ible of withsta	EDL=6.0psf; h=25ff; (nvelope) exterior zor ; end vertical left ani i0 plate grip DOL=1.6 r a 10.0 psf bottom ith any other live load for a live load of 20.0 where a rectangle fit between the botto SPF No.2. iss connections.	ne; d 50 ds. ppsf om						L	t	STATE OF AND THO JOHN PE-2017 Februar	REW MAS SON BER 7018993

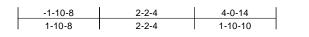
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Page: 1

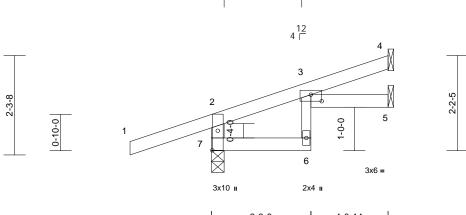
Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J3	Jack-Open	1	1	Job Reference (optional)	163679829

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:19 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



1-9-8

Page: 1



14
-6
-6

Scale = 1:26.6

Plate Offsets (X, Y): [3:0-3-0,0-1-13], [7:0-5-6,0-1-8]

Plate Olisets	(X, Y): [3:0-3-0,0-1-13]], [7:0-5-6,0-1-8]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	/TPI2014	CSI TC BC WB Matrix-P	0.28 0.12 0.01	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.01 -0.02 0.02 0.02	(loc) 3 6 5 6	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 13 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 2x4 SPF No.2 *Exce Structural wood shea 4-0-14 oc purlins, ex Rigid ceiling directly bracing. (size) 4= Mecha 7=0-3-8 Max Horiz 7=79 (LC	athing directly applie xcept end verticals. applied or 6-0-0 oc nical, 5= Mechanica 4)	2 7) ^{d or} LO . I,	bearing plate 7, 34 lb uplift This truss is International	hanical connection capable of withsta at joint 4 and 4 lb designed in accord Residential Code nd referenced stan Standard	anding 1 uplift at dance w sections	22 lb uplift at joint 5. ith the 2018 ; R502.11.1 a	t joint					
	Max Uplift 4=-34 (LC (LC 4) Max Grav 4=85 (LC (LC 1)	,. , ,.											
FORCES TOP CHORD BOT CHORD WEBS NOTES	(Ib) - Maximum Com Tension 2-7=-320/135, 1-2=0 3-4=-17/23 6-7=0/0, 3-5=-8/4 3-6=0/40	/45, 2-3=-59/0,										~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- AL
Vasd=91r II; Exp C; cantilever right expo 2) This truss chord live 3) * This trus on the boi 3-06-00 ta chord and 4) All bearin	CE 7-16; Vult=115mph mph; TCDL=6.0psf; BCI Enclosed; MWFRS (en left and right exposed sed; Lumber DOL=1.6(a has been designed for load nonconcurrent wi ss has been designed for toom chord in all areas w all by 2-00-00 wide will a d any other members. gs are assumed to be S girder(s) for truss to trus	DL=6.0psf; h=25ft; C velope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 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.	e; I i0 Is. psf							l	*	NUM PE-20170	ant the

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)



February 19,2024

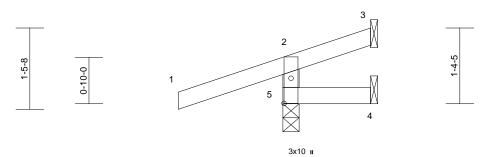
Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J4	Jack-Open	1	1	Job Reference (optional)	163679830

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:19 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-6-14



Scale = 1:2	0.6
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Plate Offsets (X, Y): [5:0-5-6,0-1-8]

Leading TCLL (roof) (psf) 25.0 Spacing Plate Gip DOL (rep Stress Incr COL BCL 2-0-0 (rep Stress Incr COL (rep Stress Incr COL BCL CSI TC (rep Stress Incr COL (rep Stress Incr (rep Stress Incr													
TCLL (root) 25.0 Plate Grip DOL 1.15 TC 0.28 Vert(LL) 0.00 4-5 >999 360 MT20 197/144 TCDL 10.0 0.0* BC 0.08 Vert(CT) 0.00 4-5 >999 360 MT20 197/144 BCL 0.0* Box 0.08 Vert(CT) 0.00 4-5 >999 240 Weight: 6 lb FT = 10% LUMBER 10.0 2x4 SPF No.2 R02.10.2 and referenced standard ANSI/TP1 1. LOAD CASE(S) Standard Standard Standard FT = 10% BOT CHORD 2x4 SPF No.2 R02.10.2 and referenced standard ANSI/TP1 1. LOAD CASE(S) Standard <	Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCDL 10.0 BCLL Lumber DOL 1.15 ep Stress Incr BC 0.08 WB Veri(CT) 0.00 4-5 >999 240 BCDL 10.0 Cod IRC2018/TPI2014 Matrix-R Wind(LL) 0.00 4-5 >999 240 LUMBER IRC2018/TPI2014 Matrix-R Wind(LL) 0.00 4-5 >999 240 Weight: 6 lb FT = 10% LUMBER TOP CHORD 2x4 SPF No.2 This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. LOAD CASE(S) Standard BRACING Structural wood sheathing directly applied or 16-614 oc purlins, except end verticals. IOAD CASE(S) Standard BOT CHORD Size 3 = Mechanical, 4= Mechanical, 5=-0-3-8 Matrix-R Size 3=-0-3-8 Max Horiz 5=46 (LC 4) Max Grav 3=16 (LC 4), 4=18 (LC 4), 5=-306 (LC 4) Max Grav 3=16 (LC 4), 4=18 (LC 4), 5=-306 (LC 4) Mar Grav 3=16 (LC 4), 4=18 (LC 4), 5=-306 (LC 4) Vericitiential Vericitiential Vericitiential Vericitiential TOP CHORD 2-52=262/142, 1-2=0/45, 2-3=-38/4 Vericitiential Vericitiential </td <td>•</td> <td></td> <td></td> <td></td> <td></td> <td>0.28</td> <td></td> <td></td> <td>· · ·</td> <td></td> <td></td> <td>-</td> <td></td>	•					0.28			· · ·			-	
BCLL BCLL 0.0* 10.0 Rep Stress Incr YES (ode WB 0.00 Matrix-R Horz(CT) 0.00 3 n/a n/a BCDL 10.0 Code IRC2018/TPI2014 Matrix-R Wind(LL) 0.00 3 n/a n/a LUMBER TOP CHORD 2x4 SPF No.2 This truss is designed in accordance with the 2018 International Residential Code sections RS02.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. LOAD CASE(S) Standard BTACING Structural wood sheathing directly applied or 1-6-14 oc purifies, except end verticals. IDAD CASE(S) Standard BTO CHORD Structural wood sheathing directly applied or 1-6-14 oc purifies, except end verticals. IDAD CASE(S) Standard BTO CHORD Sinceriag. Benanical, 4= Mechanical, 5-0-3-8 Social and and Amsi/TPI 1. IDAD CASE(C) REACTIONS (size) 3= Mechanical, 4= Mechanical, 5-0-3-8 Social and and Amsi/TPI 1. IDAD CASE(C) Max Upitit 3-220 (LC 1), 4=-16 (LC 1), 5=-143 (LC 4) Max Grav 3=16 (LC 4), 4=18 (LC 4), 5=306 (LC 4) Image: Social and and Amsi/TPI 4) Image: Social and and Amsi/TPI 4) TOP CHORD 2-52-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 2-52-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 2-52-	()						``'					_	
LUMBER TOP CHORD 2x4 SPF No.2 TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 BRACING R802.10.2 and referenced standard ANSI/TPI 1. LOAD CASE(S) Standard BOT CHORD Structural wood sheathing directly applied or 1-6-14 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 3 = Mechanical, 4= Mechanical, 5=0-3-8 Max Horiz Max Uplit 3-26 (LC 4) Max Uplit Max Grav 3=16 (LC 4), 4=18 (LC 1), 5=-143 (LC 4) Max Grav TOP CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD BOT CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD BOT CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD A-5=0/0 NortES 1) Wind: ASCE 7-16; Vult=115mph (3-second gust)	BCLL		Rep Stress Incr		WB	0.00			3		n/a		
TOP CHORD 2x4 SPF No.2 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1 1. WEBS 2x4 SPF No.2 LOAD CASE(S) BRACING TOP CHORD Structural wood sheathing directly applied or 1-6-14 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 3 = Mechanical, 4= Mechanical, 5=0-3-8 Max Horiz 5=46 (LC 4) Max upplitit 3=-22 (LC 1), 5=-143 (LC 4) Max upplitit Max Grav 3=16 (LC 4), 4=18 (LC 4), 5=306 (LC 1) Top CHORD FORCES (b) - Maximum Compression/Maximum Tension Top CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 4-5=0/0 NOTES . 1) Wincit ASCE 7-16; Vult=115mph (3-second gust)	BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 6 lb	FT = 10%
TOP CHORD 2x4 SPF No.2 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1 1. WEBS 2x4 SPF No.2 LOAD CASE(S) BRACING TOP CHORD Structural wood sheathing directly applied or 1-6-14 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 3 = Mechanical, 4= Mechanical, 5=0-3-8 Max Horiz 5=46 (LC 4) Max upplitit 3=-22 (LC 1), 4=-16 (LC 1), 5=-143 (LC 4) Max upplitit Max Grav 3=16 (LC 4), 4=18 (LC 4), 5=306 (LC 1) Top CHORD FORCES (b) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 4-5=0/0 NOTES 1) Wincit ASCE 7-16; Vult=115mph (3-second gust)													
BOT CHORD 2x4 SPF No.2 R802.10.2 and referenced standard ANSI/TPI 1. WEBS 2x4 SPF No.2 LOAD CASE(S) Standard BRACING TOP CHORD Structural wood sheathing directly applied or 1-6-14 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Second REACTIONS (size) 3 = Mechanical, 4 = Mechanical, 5=0-3-8 Max Horiz 5=46 (LC 4) Max Horiz 5=46 (LC 4), 4 (LC 4) Max Grav 3=16 (LC 4), 4=18 (LC 4), 5=306 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 4-5=0/0 NOTES) 1) Wind: ASCE 7-16; Yult=115mph (3-second gust)								ام مر ح					
WEBS 2x4 SPF No.2 LOAD CASE(S) Standard BRACING TOP CHORD Structural wood sheathing directly applied or 1-6-14 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 3 = Mechanical, 4= Mechanical, 5=0-3-8 Max Horiz 5=46 (LC 4) Max Uplift 3=-22 (LC 1), 4=-16 (LC 1), 5=-143 (LC 4) Max Grav 3=16 (LC 4), 4=18 (LC 4), 5=306 (LC 1) FORCES (b) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 4-5=0/0 NOTES 1) Wind: ASCE 7-16; Vult=115mph (3-second gust)								and					
BRACING TOP CHORD Structural wood sheathing directly applied or 1-6-14 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 3= Mechanical, 4= Mechanical, 5=0-3-8 Max Horiz 5=46 (LC 4) Max Horiz 5=46 (LC 4). Max Horiz 5=46 (LC 4). Max Uplift 3=-22 (LC 1), 4=-16 (LC 1), 5=-143 (LC 4). Max Grav 3=16 (LC 4), 4=18 (LC 4), 5=306 (LC 1). (LC 4). FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 4-5=0/0 NOTES 1) Wint: ASCE 7-16; Vult=115mph (3-second gust)						inuaru An	NOI/TELT.						
TOP CHORD Structural wood sheathing directly applied or 1-6-14 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 3= Mechanical, 4= Mechanical, 5=0-3-8 Max Horiz 5=46 (LC 4) Max Upilit 3=-22 (LC 1), 4=-16 (LC 1), 5=-143 (LC 4) Max Grav 3=16 (LC 4), 4=18 (LC 4), 5=306 (LC 1) FORCES (b) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 4-5=0/ NOTES 1) Win: ASCE 7-16; Vult=115mph (3-second gust)		2X4 SPF NO.2		LUAD CASE(S	Standard								
 H-6-14 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 3= Mechanical, 4= Mechanical, 5=0-3-8 Max Horiz 5=46 (LC 4) Max Uplift 3=-22 (LC 1), 4=-16 (LC 1), 5=-143 (LC 4) Max Grav 3=16 (LC 4), 4=18 (LC 4), 5=306 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 4-5=0/ NOTES 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) 		o											
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 3 = Mechanical, 4= Mechanical, 5=0-3-8 Max Horiz $5=46$ (LC 4) Max Uplif $3=-22$ (LC 1), 4=-16 (LC 1), 5=-143 (LC 4) Max Grav $3=16$ (LC 4), 4=18 (LC 4), 5=306 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD $2-5=-262/142$, 1-2=0/45, 2-3=-38/4 BOT CHORD $4-5=0/0$ NOTES 1) Wind: ASCE 7-16; Vult=115mph (3-second gust)	TOP CHORD			ed or									
Bracing. bracing. REACTIONS (size) 3= Mechanical, 4= Mechanical, 5=0-3-8 Max Horiz 5=0-3-8 Max Uplift 3=-22 (LC 1), 4=-16 (LC 1), 5=-143 (LC 4) Max Grav 3=16 (LC 4), 4=18 (LC 4), 5=306 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 2-5=-260/142, 1-2=0/45, 2-3=-38/4 NOTES 1) Wind: ASCE 7-16; Vult=115mph (3-second gust)				-									
REACTIONS (size) 3= Mechanical, 4= Mechanical, 5=0-3-8 Max Horiz 5=46 (LC 4) Max Uplifi 3=-22 (LC 1), 4=-16 (LC 1), 5=-143 (LC 4) Max Grav 3=16 (LC 4), 4=18 (LC 4), 5=306 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 4-5=0/0	BUICHORD		applied of 10-0-0 of	U									
5=0-3-8 Max Horiz 5=46 (LC 4) Max Uplift 3=-22 (LC 1), 4=-16 (LC 1), 5=-143 (LC 4) Max Grav 3=16 (LC 4), 4=18 (LC 4), 5=306 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 4-5=0/0 NOTES 1) Wind: ASCE 7-16; Vult=115mph (3-second gust)	DEACTIONS	U	nical 4- Machanica	1									
$\begin{array}{l} \text{Max Horiz } 5=46 (LC 4) \\ \text{Max Uplift } 3=-22 (LC 1), 4=-16 (LC 1), 5=-143 \\ (LC 4) \\ \text{Max Grav } 3=16 (LC 4), 4=18 (LC 4), 5=306 \\ (LC 1) \\ \end{array}$ $\begin{array}{l} \text{FORCES} \\ \text{(b) - Maximum Compression/Maximum} \\ \text{Torp CHORD} \\ 2-5=-262/142, 1-2=0/45, 2-3=-38/4 \\ \text{BOT CHORD} \\ 4-5=0/0 \\ \end{array}$ $\begin{array}{l} \text{NOTES} \\ 1) \text{ Wind: ASCE 7-16; Vult=115mph (3-second gust)} \end{array}$	REACTIONS	()		ai,									
Max Uplift 3=-22 (LC 1), 4=-16 (LC 1), 5=-143 (LC 4) Max Grav 3=16 (LC 4), 4=18 (LC 4), 5=306 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 4-5=0/0 NOTES 1) Wind: ASCE 7-16; Vult=115mph (3-second gust)			4)										
(LC 4) Max Grav 3=16 (LC 4), 4=18 (LC 4), 5=306 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension Top CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 4-5=0/0 NOTES 1) Wind: ASCE 7-16; Vult=115mph (3-second gust)				=-143									
Max Grav 3=16 (LC 4), 4=18 (LC 4), 5=306 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 4-5=0/0 NOTES 1) Wind: ASCE 7-16; Vult=115mph (3-second gust)			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	110									
FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 4-5=0/0 NOTES 1) Wind: ASCE 7-16; Vult=115mph (3-second gust)			4), 4=18 (LC 4), 5=3	306									
Tension TOP CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 4-5=0/0 NOTES 1) Wind: ASCE 7-16; Vult=115mph (3-second gust)			<i>// (//</i>										
TOP CHORD 2-5=-262/142, 1-2=0/45, 2-3=-38/4 BOT CHORD 4-5=0/0 NOTES 1) Wind: ASCE 7-16; Vult=115mph (3-second gust)	FORCES	(lb) - Maximum Corr	pression/Maximum										
BOT CHORD 4-5=0/0 NOTES 1) Wind: ASCE 7-16; Vult=115mph (3-second gust)													
NOTES 1) Wind: ASCE 7-16; Vult=115mph (3-second gust))/45, 2-3=-38/4										
1) Wind: ASCE 7-16; Vult=115mph (3-second gust)	BOT CHORD	4-5=0/0											
	NOTES												
	1) Wind: ASC	CE 7-16; Vult=115mph	(3-second gust)										
Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat.												~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	an
II; Exp C; Enclosed; MWFRS (envelope) exterior zone;												OF	MIG
cantilever left and right exposed ; end vertical left and											6	ARE	MISS W
II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60 2) This truss has been designed for a 10.0 psf bottom				60							6		W.S.
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.				da							A	S AND	REW
3) * This truss has been designed for a live load of 20.0psf											Å	/ THO	MAS Y
on the bottom chord in all areas where a rectangle \checkmark				ipsi						/	M 🛧		
3-06-00 tall by 2-00-00 wide will fit between the bottom				nm						- 1	6	1	
											N~	ymy	
4) All bearings are assumed to be SPF No.2.			SPF No.2 .								12		IBER ED
5) Refer to girder(s) for truss to truss connections.	5) Refer to gi	irder(s) for truss to tru	ss connections.								N.	OX PE-201'	7018993
 chord and any other members. 4) All bearings are assumed to be SPF No.2. 5) Refer to girder(s) for truss to truss connections. 6) Provide mechanical connection (by others) of truss to bearing a lot a enable of withstrongenerative that the direction of the second seco											V	1 AS	15H
bearing plate capable of withstanding 143 lb uplift at joint				joint							6	W SIDI	FNUE
bearing plate capable of withstanding 143 lb uplift at joint 5, 16 lb uplift at joint 4 and 22 lb uplift at joint 3.	5, 16 lb up	olift at joint 4 and 22 lb	uplift at joint 3.									ANN A	AL V.

February 19,2024



Page: 1

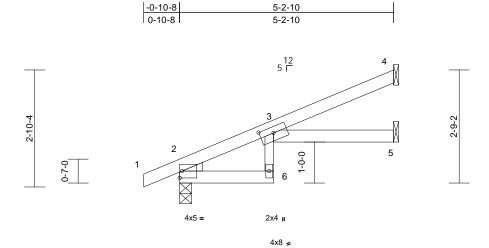
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 toulsable personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J5	Jack-Open	1	1	Job Reference (optional)	163679831

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:19 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1







Scale = 1:28.1	
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Plate Offsets (X, Y): [3:0-4-0,0-1-13]

		-										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.06	3-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.10	3-5	>583	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.07	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.06	3-5	>966	240	Weight: 15 lb	FT = 10%
LUMBER TOP CHORE	D 2x4 SPF No.2			is designed in acc nal Residential Coc			and					
BOT CHORE		ont* 6 2:2v2 SDE No		and referenced st			anu					
WEDGE	Left: 2x3 SPF No.2	pt 0-3.2x3 SFF NO	LOAD CASE									
BRACING	2011 200 011 110.2		LOAD OADL	o, otandara								
TOP CHORE	D Structural wood she	athing directly appli	ed or									
	5-2-10 oc purlins.	at my aroony appr										
BOT CHORE		applied or 6-0-0 oc										
	bracing.											
REACTIONS	S (size) 2=0-3-8, 4	4= Mechanical, 5=										
	Mechanic											
	Max Horiz 2=102 (LC											
	Max Uplift 2=-44 (LC	C 8), 4=-58 (LC 8), 5	i=-6									
	(LC 8)		F 07									
	Max Grav 2=304 (L0 (LC 3)	5 1), 4=135 (LC 1),	5=87									
FORCES	(Ib) - Maximum Corr	prossion/Maximum										
TORGES	Tension											
TOP CHORE		, 3-4=-35/44										
BOT CHORE	D 2-6=-3/13, 3-6=-5/68	8, 3-5=-5/3										
NOTES												
1) Wind: AS	SCE 7-16; Vult=115mph	(3-second gust)										
Vasd=91	1mph; TCDL=6.0psf; BC	DL=6.0psf; h=25ft;	Cat.									m
	; Enclosed; MWFRS (er										OF	MIG
	er left and right exposed										STATE OF	UTS'S
	osed; Lumber DOL=1.6		60							6	AN'	N.S.
	ss has been designed fo ve load nonconcurrent w		de							R	S AND	REW
	uss has been designed f									R	/ THO	MAS Y
	ottom chord in all areas		0001							2 +	JOHN	isda \ * V
	tall by 2-00-00 wide will		om						- 1		hand	1 min
	nd any other members.								U	Mr.	NUM	REP OCA
	ngs are assumed to be									27		
5) Refer to	girder(s) for truss to tru	ss connections.								N.	O PE-2017	010993 14 4

- Refer to girder(s) for truss to truss connections. 5)
- Provide mechanical connection (by others) of truss to 6) bearing plate capable of withstanding 58 lb uplift at joint 4, 44 lb uplift at joint 2 and 6 lb uplift at joint 5.

de February 19,2024 DEVELOPMENT SERVICES

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TION ΊFW

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent oulgase with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J6	Jack-Open	1	1	Job Reference (optional)	163679832

-0-10-8

0-10-8

Wheeler Lumber, Waverly, KS - 66871,

1-6-4

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:19 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



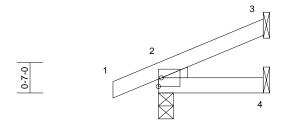
1-5-2



2-0-4

2-0-4

2-0-4



- ·		
Scale	= '	1:22.2

30ale = 1.22.2												
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-P	0.06 0.03 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 2-4 2-4 3	l/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 6 lb	GRIP 197/144 FT = 10%
I	2-0-4 oc purlins. Rigid ceiling directly bracing.	C 4), 3=-33 (LC 8)	c) Standard								
 Vasd=91m II; Exp C; E cantilever II right expos This truss f chord live II * This truss on the bottt 3 * This truss on the bottt 3 * O6-00 tal chord and 4 All bearings Refer to gir Provide me bearing pla 3 and 36 lb This truss i International 	(LC 3) (Ib) - Maximum Con Tension 1-2=0/6, 2-3=-46/16 2-4=0/0 E 7-16; Vult=115mpt ph; TCDL=6.0psf; BC Enclosed; MWFRS (e eft and right exposed sed; Lumber DOL=1.6 has been designed fo oad nonconcurrent w is has been designed fo oad nonconcurrent w is has been designed fo oad nonconcurrent w is as been designed fo oad nonconcurrent w is has been designed fo oad nonconcurrent is has been designed fo	n (3-second gust) CDL=6.0psf; h=25f; d nvelope) exterior zor i; end vertical left an 30 plate grip DOL=1. or a 10.0 psf bottom rith any other live loa for a live load of 20.0 where a rectangle fit between the botto SPF No.2. uss connections. (by others) of truss t inding 33 lb uplift at j ance with the 2018 sections R502.11.1 a	ne; d 60 ds. Dpsf om oint						(NUM PE-201 SSION	MAS VSON

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 195 HT	
B240015	J7	Jack-Closed	3	1	Job Reference (optional)	163679833

5-11-4

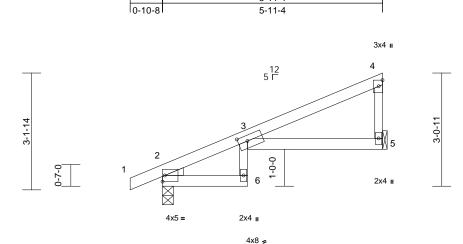
-0-10-8

Wheeler Lumber, Waverly, KS - 66871,

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:20 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

03/12/2024 12:22:36



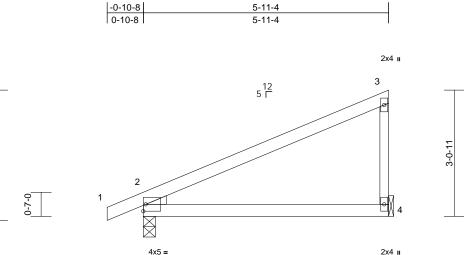
	2-3-8	5-11-4
	2-3-8	3-7-12
Scale = 1:31.1		
Plate Offsets (X, Y): [3:0-3-0,0-1-13]		

	X, Y): [3:0-3-0,0-1-13	2 <u>1</u>											
Loading TCLL (roof) TCDL	(psf) 25.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15		0.60 0.33	DEFL Vert(LL) Vert(CT)	in -0.10 -0.17	(loc) 6 6	l/defl >711 >397	L/d 360 240	PLATES MT20	GRIP 197/144	
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	YES IRC2018/TPI2014	WB 0 Matrix-R	0.00	Horz(CT) Wind(LL)	0.11 0.10	5 6	n/a >705	n/a 240	Weight: 18 lb	FT = 10%	
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD NOTES 1) Wind: ASC Vasd=91m II; Exp C; f cantilever right expos 2) This truss chord live i 3) * This truss on the bott 3-06-00 tai chord and 4) All bearing 5) Refer to gi 6) Provide mo bearing pla 5 and 58 lit 7) This truss Internation	2x4 SPF No.2 2x4 SPF No.2 *Exce 2x3 SPF No.2 Left: 2x3 SPF No.2 Structural wood she 5-11-4 oc purlins, e Rigid ceiling directly bracing.	ept* 6-3:2x3 SPF No. athing directly applie xcept end verticals. applied or 10-0-0 oc 5= Mechanical C 5) 2 8), 5=-61 (LC 8) C 1), 5=250 (LC 1) npression/Maximum , 3-4=-85/14, 4-5=-11 3-5=-22/54 (3-second gust) DL=6.0psf; h=25ft; C nvelope) exterior zon ; end vertical left and 0 plate grip DDL=1.6 r a 10.0 psf bottom ith any other live load fit between the botto SPF No.2. ss connections. (by others) of truss to nding 61 lb uplift at jo ance with the 2018 ections R502.11.1 at	LOAD CASE(S) 22 ed or 5 66/65 Cat. Le; d 50 ds. upsf om						(STATE OF M STATE OF M JOHN PE-2017 HESSTONA	MISSOLUTION EEW AAS SON UENGING	~
Design va a truss sy building d is always fabrication	alid for use only with MiTek® ystem. Before use, the buildin lesign. Bracing indicated is required for stability and to n, storage, delivery, erection	connectors. This design in ng designer must verify the to prevent buckling of indi- prevent collapse with poss- and bracing of trusses ar	N THIS AND INCLUDED MITEK is based only upon parameters a e applicability of design paramet vidual truss web and/or chord m bible personal injury and propert d truss systems, see ANSI/TPI le from the Structural Building C	shown, and is for an individu ters and properly incorporat embers only. Additional ter y damage. For general guid 1 Quality Criteria, and DS	ual buil te this o mporar dance 3B-22 a	lding component, design into the or y and permanen regarding the available from Tru	, not verall t bracing uss Plate In	stitute (w	ww.tpinst.c	org)	RELEASE AS NOTED DEVELO		CTION VIEW CES URI
											03/12/2	02/ 12.22	136

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J8	Jack-Closed	1	1	Job Reference (optional)	163679834

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:20 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





5-11-4

Scale = 1	:27.9
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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	0.60	Vert(LL)	-0.06	2-4	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.13	2-4	>544	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 18 lb	FT = 10%

TOF CHORD	214 366	10.2
BOT CHORD	2x4 SPF I	No.2
WEBS	2x3 SPF I	No.2
WEDGE	Left: 2x3	SPF No.2
BRACING		
TOP CHORD	Structura	wood sheathing directly applied or
	5-11-4 oc	purlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	2=0-3-8, 4= Mechanical
	Max Horiz	2=120 (LC 5)
	max monz	2=120 (200)
		2=-60 (LC 8), 4=-59 (LC 8)
	Max Uplift	· · · ·
FORCES	Max Uplift Max Grav	2=-60 (LC 8), 4=-59 (LC 8)
FORCES	Max Uplift Max Grav	2=-60 (LC 8), 4=-59 (LC 8) 2=334 (LC 1), 4=250 (LC 1)
FORCES	Max Uplift Max Grav (lb) - Max Tension	2=-60 (LC 8), 4=-59 (LC 8) 2=334 (LC 1), 4=250 (LC 1)
	Max Uplift Max Grav (lb) - Max Tension 1-2=0/6, 2	2=-60 (LC 8), 4=-59 (LC 8) 2=334 (LC 1), 4=250 (LC 1) imum Compression/Maximum 2-3=-107/66, 3-4=-193/93

3-1-14

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
- This truss has been designed for a 10.0 psf bottom 2) chord live load nonconcurrent with any other live loads. 3) * This truss has been designed for a live load of 20.0psf
- on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 4) All bearings are assumed to be SPF No.2.
- Refer to girder(s) for truss to truss connections. 5)
- Provide mechanical connection (by others) of truss to 6) bearing plate capable of withstanding 59 lb uplift at joint 4 and 60 lb uplift at joint 2.
- This truss is designed in accordance with the 2018 7) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 19,2024



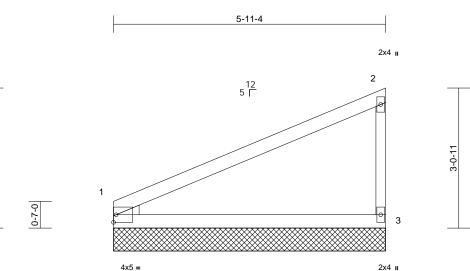


Job	Truss	Truss Type Qty Ply Lot 195 HT		Lot 195 HT		
B240015	J9	Jack-Closed	1	1	Job Reference (optional)	163679835

3-0-11

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:20 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



5-11-4

Scale = 1:25	5.1
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Scale = 1:25.1												
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/TPI2014	CSI TC BC WB Matrix-P	0.67 0.36 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: 17 lb	GRIP 197/144 FT = 10%
	2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 Left: 2x3 SPF No.2 Structural wood she 5-11-4 oc purlins, e Rigid ceiling directly bracing. (size) 1=5-11-4, Max Horiz 1=118 (LC Max Uplift 1=-36 (LC	except end verticals. y applied or 10-0-0 oc , 3=5-11-4 C 5)										
FORCES TOP CHORD BOT CHORD	Max Grav 1=263 (L0 (lb) - Maximum Com Tension 1-2=-105/69, 2-3=-2 1-3=-38/29	npression/Maximum										
 Vasd=91m II; Exp C; E cantilever II right expos 2) Gable requ 3) This truss f chord live II 4) * This truss on the bottt 3-06-00 tall chord and a 5) All bearing: 6) Provide me bearing pla 3 and 36 lb 7) This truss i International 	E 7-16; Vult=115mph ph; TCDL=6.0psf; BC Enclosed; MWFRS (er eft and right exposed ed; Lumber DOL=1.6 uires continuous botto oad nonconcurrent wi s has been designed fo om chord in all areas I by 2-00-00 wide will any other members. s are assumed to be echanical connection of the capable of withstar o uplift at joint 1. is designed in accorda al Residential Code s and referenced stand S) Standard	EDL=6.0psf; h=25ff; C nvelope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 m chord bearing. r a 10.0 psf bottom ith any other live load for a live load of 20.0 where a rectangle fit between the botto SPF No.2 . (by others) of truss to nding 62 lb uplift at jo ance with the 2018 ections R502.11.1 at	ne; d 60 ds. psf om o bint						L		STATE OF J STATE OF J THOU JOIN PE-2017 PE-2017	SON *



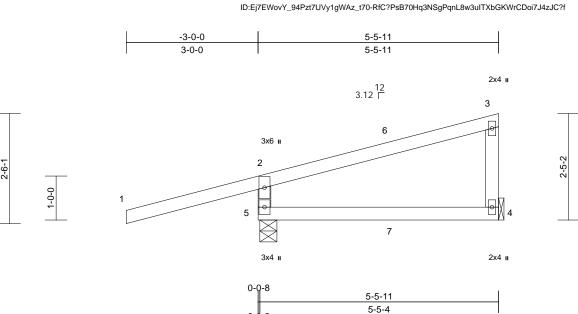
February 19,2024

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/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 195 HT	
B240015	J10	Diagonal Hip Girder	1	1	Job Reference (optional)	163679836

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:21

Wheeler Lumber, Waverly, KS - 66871,



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	0.82	Vert(LL)	-0.03	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.05	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	-0.02	4-5	>999	240	Weight: 19 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SPF No.2 2x4 SPF No.2 2x4 SPF No.2 Structural wood she 5-5-11 oc purlins, e Rigid ceiling directly bracing.	xcept end verticals.	provided su down and 9 up at 3-0-9 at 2-11-15, bottom chor device(s) is 9) In the LOAE of the truss	r other connect fficient to suppo 4 lb up at 2-11- on top chord, a and 9 lb down a d. The design/ the responsibili 0 CASE(S) sect are noted as fro	ort concentra 15, and 78 nd 10 lb do and 9 lb up selection of ty of others.	ated load(s) 5 lb down and wn and 16 lb at 3-0-9 on such connec	36 lb up tion					
REACTIONS	(size) 4= Mecha Max Horiz 5=103 (LC	nical, 5=0-4-11 C 5)	1) Dead + Ro	of Live (balance	ed): Lumber	Increase=1.	15,					

0-0-8

Max Uplift 4=-37 (LC 8), 5=-216 (LC 4) Max Grav 4=147 (LC 1), 5=505 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension 2-5=-445/242, 1-2=0/55, 2-3=-102/19,

TOP CHORD 3-4=-112/68 BOT CHORD 4-5=-28/68

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
- This truss has been designed for a 10.0 psf bottom 2) chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to 6) bearing plate capable of withstanding 216 lb uplift at joint 5 and 37 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 7) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Dead + Roof Live (balanced): Lumber Increase=1.15, 1) Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-2=-70, 2-3=-70, 4-5=-20 Concentrated Loads (lb)

Vert: 6=26 (B), 7=9 (F)



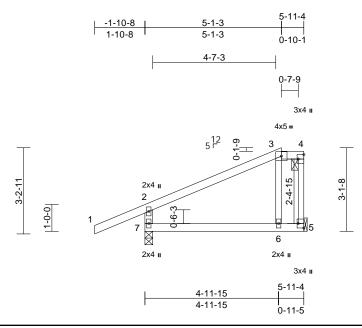
Page: 1

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 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 195 HT		Lot 195 HT	
B240015	J11	Jack-Closed	1	1	Job Reference (optional)	163679837

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:21 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:43

	(X, T): [4:Edge;0-2-0],	[J.Luge,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/TPI2014	CSI TC BC WB Matrix-R	0.30 0.20 0.02	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.03 -0.06 0.00 0.03	(loc) 6-7 6-7 5 6-7	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 21 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x3 SPF No.2 *Exce 2.0E Structural wood she 5-11-4 oc purlins, e 2-0-0 oc purlins: 3-4 Rigid ceiling directly bracing.	athing directly applie xcept end verticals, a	bearing 7 and 4 9) This tru Internat R802.1 and 0r the o bottom	mechanical connectii plate capable of with: 3 lb uplift at joint 5. ss is designed in acco ional Residential Cod 0.2 and referenced st al purlin representatio rientation of the purlin chord. E(S) Standard	standing & ordance w le sections andard AN on does n	89 lb uplift at j ith the 2018 s R502.11.1 a NSI/TPI 1. ot depict the s	oint					
	Max Horiz 7=131 (LC Max Uplift 5=-43 (LC Max Grav 5=231 (LC	C 5) C 5), 7=-89 (LC 8) C 1), 7=423 (LC 1)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD BOT CHORD	2-7=-361/119, 1-2=0 3-4=-62/40, 4-5=-10 6-7=-31/41, 5-6=-34,	6/1										
WEBS	3-6=-82/84											
NOTES 1) Unbalance	ed roof live loads have	been considered for	r									The
, this desigr	n.										OF	MIGON
Vasd=91m II; Exp C; I 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; C velope) exterior zon ; end vertical left and	ne; d								STATE OF I	CEW 15 VA
	dequate drainage to pr									A t	. JOHN	san \★
	has been designed for		do						(MT.	may	unk
	load nonconcurrent wi is has been designed for									47	NUM PE-2017	
	tom chord in all areas		m							S	TAN IN	
chord and	any other members.									X	ESSIONA	L ENG'S
	gs are assumed to be S irder(s) for truss to true										A TONA	L
i i i i i i i i i i i i i i i i i i i		33 0011160110113.										40,0004

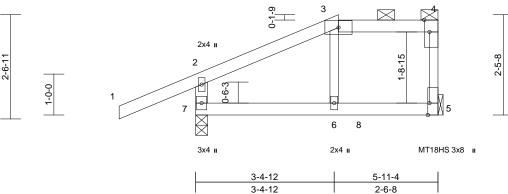
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



February 19,2024

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J12	Jack-Closed Girder	1	1	Job Reference (optional)	163679838

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:21 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f -1-10-8 3-6-0 5-11-4 1-10-8 2-5-4 3-6-0 3-0-0 2-2-12 12 5 Г 4x8 = 4x8 II 0-1-9 3 \sim



Scale = 1:28.2

Plate Offsets (X, Y): [4:0-3-8,Edge], [5:0-3-8,Edge]

1 1010 0110000 (, , , , , [e e,=ege],	, [0:0 0 0,2 0g0]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC20)18/TPI2014	CSI TC BC WB Matrix-R	0.64 0.54 0.04	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.07 -0.13 0.00 0.07	(loc) 6-7 6-7 5 6-7	l/defl >926 >519 n/a >944	L/d 360 240 n/a 240	PLATES MT20 MT18HS Weight: 20 lb	GRIP 197/144 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 *Exce Structural wood she 5-11-4 oc purlins, e 2-0-0 oc purlins: 3-4	eathing directly applic except end verticals,	o.2 ed or	bearing plate 7 and 111 lb 10) This truss is International R802.10.2 a 11) Graphical pu or the orient	chanical connection e capable of withst uplift at joint 5. designed in accor Residential Code nd referenced star urlin representation ation of the purlin a	anding 1 dance w sections ndard AN n does n	31 lb uplift a ith the 2018 s R502.11.1 a ISI/TPI 1. ot depict the s	t joint and					
	Max Horiz 7=102 (LC Max Uplift 5=-111 (L Max Grav 5=407 (LC	anical, 7=0-3-8 C 5) .C 5), 7=-131 (LC 4) C 1), 7=525 (LC 1)		provided suf lb down and lb up at 4-0- such connec	d. r other connection ficient to support c 53 lb up at 3-6-0, -0 on bottom chorc stion device(s) is th CASE(S) section,	oncentra and 157 d. The d ne respo	ated load(s) 1 7 lb down and esign/selectionsibility of oth	d 50 on of hers.					
FORCES TOP CHORD BOT CHORD WEBS NOTES	(lb) - Maximum Com Tension 2-7=-403/130, 1-2=(3-4=-142/57, 4-5=-1 6-7=-60/140, 5-6=-6 3-6=-34/145	0/54, 2-3=-227/52, 96/64		LOAD CASE(S) 1) Dead + Ro Plate Incre. Uniform Lo Vert: 1-2	of Live (balanced): ase=1.15	Lumbe	Increase=1.	.15,					
this design 2) Wind: ASC Vasd=91m II; Exp C; I cantilever	ed roof live loads have n. CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed: Lumber DOL=16	n (3-second gust) DL=6.0psf; h=25ft; (nvelope) exterior zor ; end vertical left an	Cat. ne; id	Vert: 6=-	·122 (F), 8=-157 (F	-)					ł	STATE OF I	

- right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.
 * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom
- chord and any other members.
- 7) All bearings are assumed to be SPF No.2 .
- 8) Refer to girder(s) for truss to truss connections.

ANDREW THOMAS JOHNSON MUMBER PE-2017018993

Page: 1

February 19,2024



RELEASE IOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELORMENT SERVICES LEE'S'SUMMIT'S MISSOURI 03/12/2024 12:22:36

Job	Truss	uss Type Qty Ply Lot 195 HT		Lot 195 HT		
B240015	J13	Jack-Open	1	1	Job Reference (optional)	163679839

-1-10-8

1-10-8

Wheeler Lumber, Waverly, KS - 66871,

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:22 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

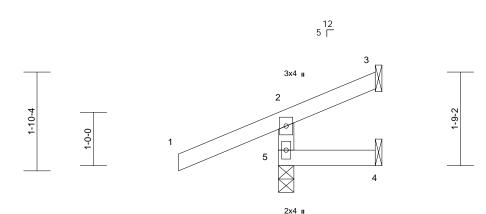
1-9-13

1-9-13

1-9-13

Page: 1





Scale	_	1.21	6
Scale	=	1.21	.0

Scale = 1.21.0													
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.00	4-5	>999	240			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 7 lb	FT = 10%	
LUMBER			7) This truss	is designed in ac	cordance w	ith the 2018							
TOP CHORD	2x4 SPF No.2			al Residential Co									
BOT CHORD	2x4 SPF No.2			and referenced			unu						
WEBS	2x4 SPF No.2		LOAD CASE(S) Standard									
BRACING			(-,									
TOP CHORD	Structural wood she	eathing directly applie	ed or										
		except end verticals.											
BOT CHORD		y applied or 10-0-0 o	с										
	bracing.												
REACTIONS		anical, 4= Mechanica	al,										
	5=0-3-8												
	Max Horiz 5=53 (LC	,											
	Max Uplift 3=-14 (L	C 8), 4=-7 (LC 1), 5=	-87										
	(LC 4)		00										
	Max Grav 3=4 (LC	4), 4=24 (LC 3), 5=30	02										
FORCES	(LC 1)	nan kana si sa /Masuina una											
FORCES	(ib) - Maximum Cor Tension	mpression/Maximum											
TOP CHORD	2-5=-262/96, 1-2=0	/54 2-346/1											
BOT CHORD	4-5=0/0	, 2 0 - 1 0/1											

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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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 . 4)
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to
- bearing plate capable of withstanding 87 lb uplift at joint 5, 7 lb uplift at joint 4 and 14 lb uplift at joint 3.

OF MISSOL ATE ANDREW THOMAS OHNSON NUMBER PE-2017018993 PESSIONAL E

February 19,2024

ΤΙΟΝ

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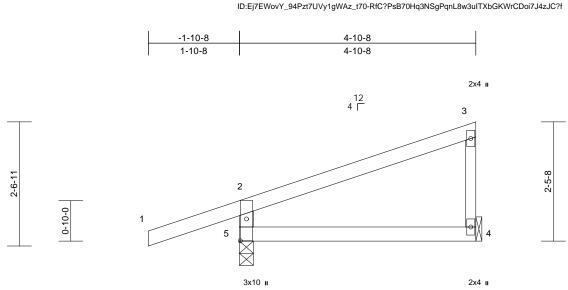


Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J14	Jack-Closed	1	1	Job Reference (optional)	163679840

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:22

4-10-8

Wheeler Lumber, Waverly, KS - 66871,



Scale = 1:23.7		
Plata Offecte (V	V١٠	[5·0 5 6 0 1 9]

Plate Offsets (X, Y): [5:0-5-6,0-1-8]	-										
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-R	0.28 0.16 0.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.02 -0.04 0.00 0.00	(loc) 4-5 4-5 4 4-5	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 16 lb	GRIP 197/144 FT = 10%
	2x4 SPF No.2 2x4 SPF No.2 2x4 SPF No.2 *Exce Structural wood shea 4-10-8 oc purlins, e: Rigid ceiling directly bracing. (size) 4= Mecha Max Horiz 5=106 (LC Max Uplift 4=-38 (LC Max Grav 4=177 (LC (lb) - Maximum Com Tension 2-5=-336/164, 1-2=0 3-4=-129/60	athing directly applie xcept end verticals. applied or 10-0-0 oc nical, 5=0-3-8 C 5) S 8), 5=-134 (LC 4) C 1), 5=380 (LC 1) pression/Maximum	ed or	Standard								
 Vasd=91rr II; Exp C; I cantilever right expos 2) This truss chord live 3) * This trus on the bot 3-06-00 ta chord and 4) All bearing 5) Refer to gi 6) Provide m bearing pli 5 and 38 ll 7) This truss Internation 	4-5=-25/25 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 load nonconcurrent wi s has been designed for tom chord in all areas ill by 2-00-00 wide will any other members. sy are assumed to be S irder(s) for truss to trus echanical connection (ate capable of withstar b uplift at joint 4. is designed in accorda nal Residential Code se and referenced stand	DL=6.0psf; h=25ff; C ivelope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 r a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle fit between the botto SPF No.2 . ss connections. (by others) of truss to hding 134 lb uplift at ance with the 2018 ections R502.11.1 at	e; d 50 ds. psf m joint						(A.	ANDE STATE OF I ANDE THOM JOHN PE-2017	AAS SDN BER 018993

February 19,2024

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 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)



Page: 1

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J15	Jack-Open	1	1	Job Reference (optional)	163679841

-1-10-8 1-10-8

Wheeler Lumber, Waverly, KS - 66871,

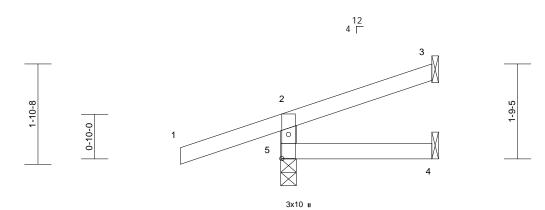
Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:22 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

2-9-14

2-9-14

Page: 1





	2-9-14
Scale = 1:21.5	
Plate Offsets (X, Y): [5:0-5-6,0-1-8]	

or

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 9 lb	FT = 10%

LUMBER			
TOP CHORD	2x4 SPF I	No.2	
BOT CHORD	2x4 SPF I	No.2	
WEBS	2x4 SPF I	No.2	
BRACING			
TOP CHORD	Structura	l wood shea	athing directly applied o
	2-9-14 oc	purlins, ex	cept end verticals.
BOT CHORD	Rigid ceil	ing directly	applied or 10-0-0 oc
	bracing.		
REACTIONS	(size)	3= Mecha	nical, 4= Mechanical,
		5=0-3-8	
	Max Horiz	5=62 (LC	4)
	Max Uplift	3=-31 (LC	8), 5=-124 (LC 4)
	Max Grav	3=52 (LC (LC 1)	1), 4=44 (LC 3), 5=314
FORCES	(lb) - Max	imum Com	pression/Maximum
	Tension		
TOP CHORD	2-5=-273/	/139, 1-2=0	/45, 2-3=-42/11
BOT CHORD	4-5=0/0		

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

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

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

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 124 lb uplift at joint 5 and 31 lb uplift at joint 3.

7) This truss is designed in accordance with the 2018

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

LOAD CASE(S) Standard

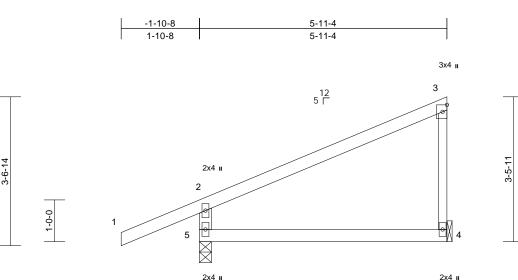
OF MISSO ANDREW THOMAS **JOMNSOI** NUMBER PE-2017018993 SSIONAL E

February 19,2024





Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J16	Jack-Closed	1	1	Job Reference (optional)	163679842



ZX4

or

5-11-4

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:22

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Scale =	1:27.6
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Loading TCLL (roof) TCDL	(psf) 25.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI TC BC	0.26	DEFL Vert(LL) Vert(CT)	in -0.04 -0.09	(loc) 4-5 4-5	l/defl >999 >773	240	MT20	GRIP 197/144
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	YES IRC2018/TPI2014	WB Matrix-R	0.00	Horz(CT) Wind(LL)	0.00 0.02	4 4-5	n/a >999	n/a 240		FT = 10%

LUMBER

TOP CHORD	2x4 SPF I	No.2
BOT CHORD	2x4 SPF I	No.2
WEBS	2x4 SPF I	No.2 *Except* 3-4:2x3 SPF No.2
BRACING		
TOP CHORD	Structura	I wood sheathing directly applied
	5-11-4 oc	purlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	4= Mechanical, 5=0-3-8
	Max Horiz	5=150 (LC 5)
	Max Uplift	4=-56 (LC 8), 5=-85 (LC 8)
	Max Grav	4=231 (LC 1), 5=423 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOP CHORD	2-5=-373/	/129, 1-2=0/54, 2-3=-138/37,
	3-4=-167/	/81

BOT CHORD 4-5=-41/31

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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.
- 4) All bearings are assumed to be SPF No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 85 lb uplift at joint 5 and 56 lb uplift at joint 4.
- 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



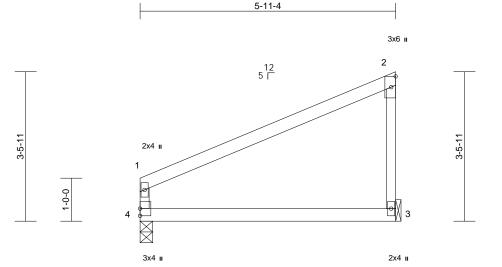
Page: 1

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 195 HT	
B240015	J17	Jack-Closed	2	1	Job Reference (optional)	163679843

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5-11-4

Scale	- 1	1.26	8

Ocale = 1.20.0												
Loading TCLL (roof)	(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15	CSI TC	0.50	DEFL Vert(LL)	in -0.05	(loc) 3-4	l/defl >999	L/d 360	PLATES MT20	GRIP 197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.10	3-4	>707	240		
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	YES IRC2018/TPI2014	WB Matrix-R	0.00	Horz(CT) Wind(LL)	0.00 0.02	3 3-4	n/a >999	n/a 240	Weight: 17 lb	FT = 10%
	10.0			manxit		(LL)	0.02		2000	210	Wolght. Wild	11-10/0
TOP CHORD	2x4 SPF No.2											
BOT CHORD	2x4 SPF No.2											
WEBS BRACING	2x3 SPF No.2											
TOP CHORD	Structural wood she 5-11-4 oc purlins, e		ed or									
BOT CHORD	Rigid ceiling directly bracing.		c									
	•	2 8), 4=-33 (LC 8)										
FORCES	(lb) - Maximum Com Tension											
TOP CHORD	1-4=-212/76, 1-2=-1	39/38, 2-3=-189/89										
BOT CHORD	3-4=-41/38											
 Vasd=91rr II; Exp C; E cantilever I right expos 2) This truss chord live 3) * This truss 4) All bearing 5) Refer to gi 6) Provide minimized paragraphic 4) and 63 lb 	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed; Lumber DOL=1.6 has been designed foi load nonconcurrent wi s has been designed f tom chord in all areas II by 2-00-00 wide will any other members. Is are assumed to be S irder(s) for truss to tru echanical connection (ate capable of withstar b uplift at joint 3.	DL=6.0psf; h=25ft; 0 velope) exterior zor ; end vertical left an 0 plate grip DOL=1. r a 10.0 psf bottom ith any other live loa or a live load of 20.0 where a rectangle fit between the botto SPF No.2 . ss connections. (by others) of truss t nding 33 lb uplift at j	ne; d 60 ds. Dpsf om o						Ĺ	1.	STATE OF STATE OF AND THO JOH NOM	MAS ISON
Internation	is designed in accorda nal Residential Code so and referenced stand S) Standard	ections R502.11.1 a	nd							A.	NOM PE-2017	BER 1018993

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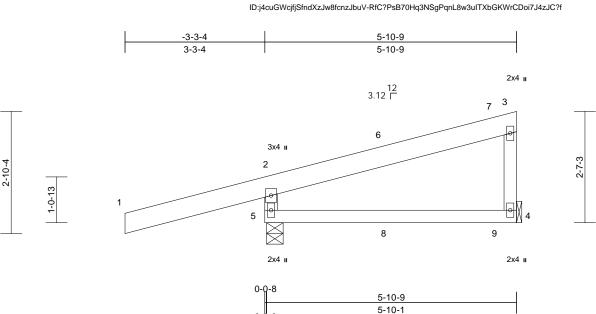
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CTION **IEW** DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 03/12/2024 12:22:36

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J18	Diagonal Hip Girder	2	1	Job Reference (optional)	163679844

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Wheeler Lumber, Waverly, KS - 66871,



	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
25.0	Plate Grip DOL	1.15	тс	0.43	Vert(LL)	0.05	4-5	>999	360	MT20	197/144
10.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	-0.05	4-5	>999	240		
0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	-0.04	4-5	>999	240	Weight: 26 lb	FT = 20%
	10.0 0.0*	10.0 Lumber DOL 0.0* Rep Stress Incr	10.0 Lumber DOL 1.15 0.0* Rep Stress Incr NO	10.0 Lumber DOL 1.15 BC 0.0* Rep Stress Incr NO WB	10.0 Lumber DOL 1.15 BC 0.22 0.0* Rep Stress Incr NO WB 0.00	10.0 Lumber DOL 1.15 BC 0.22 Vert(CT) 0.0* Rep Stress Incr NO WB 0.00 Horz(CT)	10.0 Lumber DOL 1.15 BC 0.22 Vert(CT) -0.05 0.0* Rep Stress Incr NO WB 0.00 Horz(CT) 0.00	10.0 Lumber DOL 1.15 BC 0.22 Vert(CT) -0.05 4-5 0.0* Rep Stress Incr NO WB 0.00 Horz(CT) 0.00 4	10.0 Lumber DOL 1.15 BC 0.22 Vert(CT) -0.05 4-5 >999 0.0* Rep Stress Incr NO WB 0.00 Horz(CT) 0.00 4 n/a	10.0 Lumber DOL 1.15 BC 0.22 Vert(CT) -0.05 4-5 >999 240 0.0* Rep Stress Incr NO WB 0.00 Horz(CT) 0.00 4 n/a n/a	10.0 Lumber DOL 1.15 BC 0.22 Vert(CT) -0.05 4-5 >999 240 0.0* Rep Stress Incr NO WB 0.00 Horz(CT) 0.00 4 n/a n/a

0-0-8

BOT CHORD	2x4 SPF I	No.2
WEBS	2x4 SPF I	No.2
BRACING		
TOP CHORD	Structural	wood sheathing directly applied or
	5-10-9 oc	purlins, except end verticals.
BOT CHORD	Rigid ceili	ng directly applied or 6-0-0 oc
	bracing.	
REACTIONS	(size)	4= Mechanical, 5=0-4-11
	Max Horiz	5=109 (LC 5)
	Max Uplift	4=-61 (LC 8), 5=-244 (LC 4)
	Max Grav	4=222 (LC 15), 5=545 (LC 1)

FORCES (Ib) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-505/262, 1-2=0/60, 2-3=-121/37,

3-4=-149/87 BOT CHORD 4-5=-26/69

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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to 6) bearing plate capable of withstanding 244 lb uplift at joint 5 and 61 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 7) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

down and 25 lb up at 2-9-5, and 68 lb down and 65 lb up at 2-9-11, and 66 lb down and 49 lb up at 5-4-7 on top chord, and 36 lb down and 110 lb up at 2-9-5, and 10 lb down and 16 lb up at 2-9-11, and 25 lb down at 5-4-7 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- LOAD CASE(S) Standard
- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (lb/ft)
 - Vert: 1-2=-70, 2-3=-70, 4-5=-20

Concentrated Loads (lb)

Vert: 7=-22 (F), 8=38 (B), 9=-7 (F)

OF MISSOL ANDREW THOMAS JOHNSON NUMBER PE-2017018993 SSIONAL E

Page: 1

February 19,2024



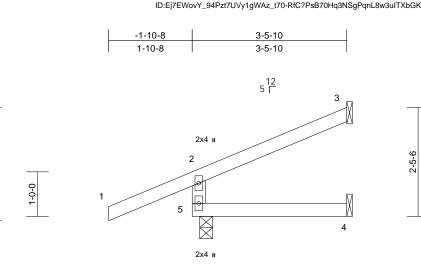


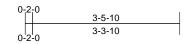
Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J19	Jack-Open	2	1	Job Reference (optional)	163679845

2-6-8

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:23 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:25.9

Scale = 1:25.9												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.01	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.01	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 11 lb	FT = 10%
LUMBER			LOAD CASE(S)	Standard								
TOP CHORD	2x4 SPF No.2											
BOT CHORD	2x4 SPF No.2											
WEBS	2x4 SPF No.2											
BRACING	o											
TOP CHORD	Structural wood she 3-5-10 oc purlins, e	xcept end verticals.										
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	С									
REACTIONS	(size) 3= Mecha 5=0-3-8	anical, 4= Mechanica	al,									
	Max Horiz 5=74 (LC	8)										
	Max Uplift 3=-49 (LC	28), 5=-71 (LC 4)										
	Max Grav 3=79 (LC (LC 1)	1), 4=58 (LC 3), 5=	332									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	2-5=-290/95, 1-2=0/	54, 2-3=-59/22										
BOT CHORD	4-5=0/0	,										
NOTES												
1) Wind: ASC	CE 7-16; Vult=115mph	(3-second gust)										
	nph; TCDL=6.0psf; BC											
	Enclosed; MWFRS (er											
	left and right exposed											
	sed; Lumber DOL=1.6		60								TATEOF	ALL ALL
	has been designed fo load nonconcurrent wi		de							G	ALEUT	NISS W
	s has been designed f									6	A.M.	NSY
	tom chord in all areas									R	S AND	REW
	Il by 2-00-00 wide will		om							A	THO	MAS Y
chord and	any other members.									X 🛧	TOHN	ISON X
	s are assumed to be								/			Alash dis
	rder(s) for truss to tru									NY Y	NUM	DED AN
	echanical connection									27		DER AND
	ate capable of withstar b uplift at joint 3.	nuing 71 ib uplift at j	om							N.	PE-2017	1010995 KO
	is designed in accorda	ance with the 2018								Y	1 Per	1 SA
	al Residential Code s		ind							C	SIONIA	TENA
	and referenced stand										CON P	L'E
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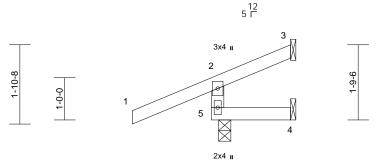
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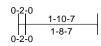


Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J20	Jack-Open	2	1	Job Reference (optional)	163679846

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries. Inc. Fri Feb 16 08:46:24 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

l	-1-10-8	1-10-7
	1-10-8	1-10-7





Scale = 1:27.3

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	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 7 lb	FT = 10%
LUMBER			7) This truss i	s designed in ac	cordance w	ith the 2018						
TOP CHORD	2x4 SPF No.2			al Residential Co			and					
BOT CHORD	2x4 SPF No.2		R802.10.2	and referenced s	standard AN	ISI/TPI 1.						
WEBS	2x4 SPF No.2		LOAD CASE(S) Standard								
BRACING												
TOP CHORD	Structural wood sh	neathing directly appli	ed or									
	1-10-7 oc purlins,	except end verticals.										
BOT CHORD	Rigid ceiling direct	tly applied or 10-0-0 o	C									
	bracing.											
REACTIONS		hanical, 4= Mechanica	al,									
	5=0-3-8											
	Max Horiz 5=53 (L	,										
		_C 8), 4=-6 (LC 1), 5=	86									
	(LC 4)	; 19), 4=25 (LC 3), 5=	202									
	(LC 1)	, 19), 4=25 (LC 3), 5=	-302									
FORCES	· ,	mpression/Maximum										
	Tension											
TOP CHORD	2-5=-262/95, 1-2=	0/54, 2-3=-46/1										
BOT CHORD	4-5=0/0											
NOTES												
1) 10/2004 000		h () as a send such)										

- 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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 . 4)
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 4, 16 lb uplift at joint 3 and 86 lb uplift at joint 5.



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 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANS/TPH1 Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J21	Jack-Open	1	1	Job Reference (optional)	163679847

-1-10-8

1-10-8

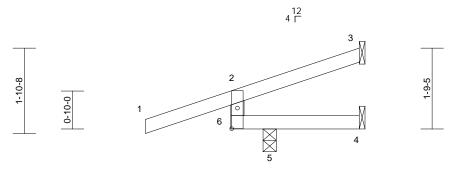
Wheeler Lumber, Waverly, KS - 66871,

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:24 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

2-9-14

2-9-14

Page: 1



3x10 u

0-8-8	2-9-14
0-8-8	2-1-6

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

			-								
Loading (ps	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 25.) Plate Grip DOL	1.15	TC	0.30	Vert(LL)	0.01	4-5	>999	360	MT20	197/144
TCDL 10.		1.15	BC	0.36	Vert(CT)	0.01	4-5	>999	240		
BCLL 0.)* Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.03	3	n/a	n/a		
BCDL 10.	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	-0.01	4-5	>999	240	Weight: 9 lb	FT = 10%
2-9-14 oc purlin BOT CHORD Rigid ceiling dir bracing. REACTIONS (size) 3= M 5=0-3 Max Horiz 5=62 Max Uplift 3=-2t (LC 4	LC 4) (LC 8), 4=-78 (LC 1), 5	internation R802.10.2 LOAD CASE(ied or ic al,	is designed in acco nal Residential Cod and referenced st S) Standard	de sections	ith the 2018 R502.11.1	and					
(LC 1 FORCES (Ib) - Maximum Tension	Compression/Maximum										
	2=0/45, 2-3=-50/2 0/0										
NOTES											
 Wind: ASCE 7-16; Vult=115 Vasd=91mph; TCDL=6.0psf II; Exp C; Enclosed; MWFR3 cantilever left and right exporight exposed; Lumber DOL This truss has been designer chord live load nonconcurre on the bottom chord in all ar 3-06-00 tall by 2-00-00 wide chord and any other membed All bearings are assumed to 5) Refer to girder(s) for truss to Provide mechanical connect bearing plate capable of with 3, 78 lb uplift at joint 4 and 1 	BCDL=6.0psf; h=25ft; (envelope) exterior zo eed; end vertical left ar 1.60 plate grip DOL=1. If or a 10.0 psf bottom t with any other live loa ed for a live load of 20.1 as where a rectangle will fit between the bott s. be SPF No.2. truss connections. on (by others) of truss i standing 25 lb uplift at j	ne; nd .60 ads. 0psf om						(*	THO	MAS SON IBER 7018993

February 19,2024

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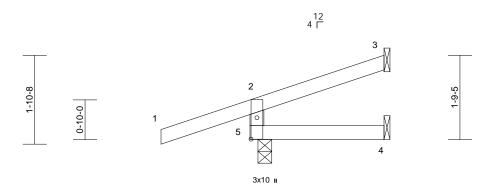


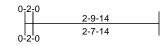
Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J22	Jack-Open	1	1	Job Reference (optional)	163679848

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:24 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1





Scale = 1:24.3

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

	, , , , , , , , , , , , , , , , , , , ,											
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 9 lb	FT = 10%
LUMBER			7) This truss i	s designed in acc	ordance wi	ith the 2018						
TOP CHORD	2x4 SPF No.2			al Residential Coc			and					
BOT CHORD	2x4 SPF No.2		R802.10.2	and referenced st	andard AN	ISI/TPI 1.						
WEBS	2x4 SPF No.2		LOAD CASE(S) Standard								
BRACING												
TOP CHORD	Structural wood she	athing directly appli	ed or									
	2-9-14 oc purlins, e	xcept end verticals.										
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	IC .									
REACTIONS	(size) 3= Mecha	anical, 4= Mechanic	al,									
	5=0-3-8											
	Max Horiz 5=62 (LC	,										
	Max Uplift 3=-31 (LC	,, , , ,										
	Max Grav 3=52 (LC (LC 1)	1), 4=44 (LC 3), 5=	314									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	2-5=-273/139, 1-2=0)/45. 2-3=-42/11										
BOT CHORD												
NOTES												
	CE 7-16; Vult=115mph	(3-second aust)										
	nph; TCDL=6.0psf; BC		Cat.									
II; Exp C; I	Enclosed; MWFRS (er	nvelope) exterior zo	ne;									m
	left and right exposed										OFM	ALCO
	sed; Lumber DOL=1.6		60								TE OF M	W Scin
	has been designed fo									B		N.S.
	load nonconcurrent w									R	S ANDR	EW YEN
a 👘 i nis trus	s has been designed f	or a live load of 20.0	UDSI							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.
- 4) All bearings are assumed to be SPF No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 124 lb uplift at joint 5 and 31 lb uplift at joint 3.



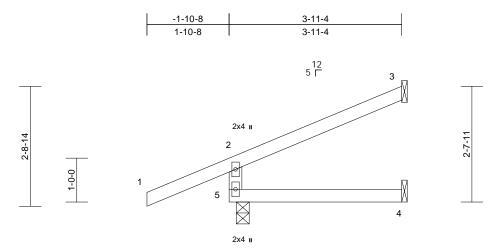
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

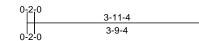


Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J23	Jack-Open	1	1	Job Reference (optional)	163679849

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:24 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:26.3

Scale = 1.20.3						·						
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	0.28	Vert(LL)	-0.01	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15 YES	BC WB	0.11	Vert(CT)	-0.02	4-5	>999	240		
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	YES IRC2018/TPI2014	Matrix-R	0.00	Horz(CT) Wind(LL)	-0.01 0.01	3 4-5	n/a >999	n/a 240	Weight: 12 lb	FT = 10%
BCDL	10.0	Coue	1KC2010/1F12014	IVIAUIX-IN			0.01	4-5	>999	240	Weight. 12 lb	FT = 1076
LUMBER			LOAD CASE(S)	Standard								
TOP CHORD												
BOT CHORD	2x4 SPF No.2											
WEBS	2x4 SPF No.2											
BRACING TOP CHORD	Structural wood she	athing directly appli	ed or									
	3-11-4 oc purlins, e											
BOT CHORD	Rigid ceiling directly bracing.											
REACTIONS	0	anical, 4= Mechanica	al,									
	5=0-3-8 Max Horiz 5=82 (LC	8)										
	Max Uplift 3=-57 (LC	,										
	Max Grav 3=98 (LC	,, , , ,	348									
	(LC 1)											
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	2-5=-305/97, 1-2=0/	54, 2-3=-66/28										
BOT CHORD	4-5=0/0											
NOTES												
	CE 7-16; Vult=115mph		a <i>i</i>									
	nph; TCDL=6.0psf; BC Enclosed; MWFRS (er											
	left and right exposed											
	sed; Lumber DOL=1.6										Sun	all
	has been designed for										A OF I	MISSO
	load nonconcurrent wi									E	TATE OF	- sol w
	s has been designed f tom chord in all areas		Opst							B	ANDI	REW X
	Il by 2-00-00 wide will		nm							B	THO	
	any other members.									X +	JOAN	
	s are assumed to be S	SPF No.2 .							- 1	0	+·· · 7	
, 0	rder(s) for truss to tru									X	NUM	
	echanical connection (27	NUM	BER AR
	ate capable of withstar b uplift at joint 3.	nding 69 ib uplift at j	oint							N.	PE-2017	BER 2018993
	is designed in accorda	ance with the 2018								Y	NUM PE-2017	IS B
	al Residential Code s		ind								STONIA	LENA
	and referenced stand										WANNA	The second secon
											Februar	y 19,2024
											rebruar	y 10,2027

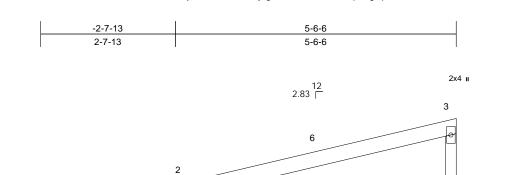
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J24	Diagonal Hip Girder	1	1	Job Reference (optional)	163679850

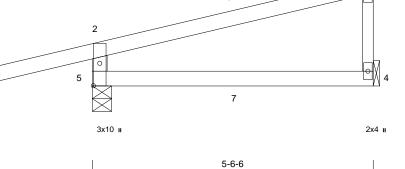
Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:25 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

2-1-10





2-2-12



Scale = 1:22.7

Plate Offsets (X, Y): [5:0-5-5,0-1-8]

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2018	3/TPI2014	CSI TC BC WB Matrix-R	0.63 0.23 0.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.03 -0.06 0.00 -0.02	(loc) 4-5 4-5 4 4-5	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	MT20	GRIP 197/144 FT = 10%
1	2x4 SPF No.2 2x4 SPF No.2 2x4 SPF No.2 *Exce Structural wood she 5-6-6 oc purlins, ex Rigid ceiling directly bracing. (size) 4= Mecha Max Horiz 5=88 (LC Max Uplift 4=-30 (LC Max Grav 4=186 (LC (lb) - Maximum Com Tension 2-5=-429/217, 1-2=0 3-4=-137/62 4-5=-18/61	athing directly applie cept end verticals. applied or 10-0-0 oc inical, 5=0-4-9 5) 2 8), 5=-185 (LC 4) C 1), 5=485 (LC 1) ppression/Maximum	ed or ; 9)	provided suf down and 1 at 2-9-8 ond 2-9-8, and 1 chord. The (s) is the res in the LOAD of the truss is DAD CASE(S) Dead + Ro Plate Incre Uniform Lo	of Live (balance) ase=1.15	t concentra and 70 lb (4 lb down 6 lb up at 2 of such co hers. on, loads ap nt (F) or bac d): Lumber	ted load(s) 7 down and 11 and 16 lb up 2-9-8 on bott nnection dev oplied to the ck (B).	l lb up at tom vice face					
	E 7-16; Vult=115mph ph; TCDL=6.0psf; BC		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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2
- Refer to girder(s) for truss to truss connections. 5)
- Provide mechanical connection (by others) of truss to 6) bearing plate capable of withstanding 185 lb uplift at joint 5 and 30 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 7) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J25	Jack-Open	2	1	Job Reference (optional)	163679851

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:25 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

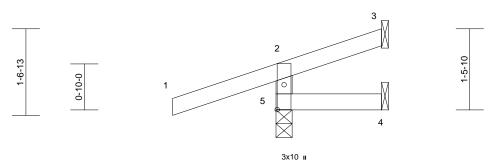
-1-10-8	1-10-15
1-10-8	1-10-15



Page: 1

12 4 _

1-10-15



Scale = 1:20.9

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

				_								
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.00	4-5	>999	240	-	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 7 lb	FT = 10%
-								-	-		, ,	
LUMBER				designed in acco								
TOP CHORD				I Residential Cod			and					
BOT CHORD				and referenced sta	andard AN	ISI/TPL1.						
WEBS	2x4 SPF No.2		LOAD CASE(S	Standard								
BRACING												
TOP CHORD												
	1-10-15 oc purlins,											
BOT CHORD		applied or 10-0-0 o	С									
	bracing.											
REACTIONS	· · /	anical, 4= Mechanica	al,									
	5=0-3-8	4										
	Max Horiz 5=51 (LC		404									
	Max Uplift 3=-13 (LC (LC 4)	5 8), 4=-7 (LC 1), 5=	-134									
	Max Grav 3=5 (LC 1	18) 1-26 (IC 3) 5-	302									
	(LC 1)	10), 4=20 (LC 3), 3=	502									
FORCES	(lb) - Maximum Com	noression/Maximum										
	Tension											
TOP CHORD	2-5=-260/138, 1-2=0	0/45, 2-3=-37/1										
BOT CHORD	4-5=0/0											
NOTES												
	CE 7-16; Vult=115mph	(3-second aust)										
	nph; TCDL=6.0psf; BC		Cat.									TTD-
II; Exp C;	Enclosed; MWFRS (er	nvelope) exterior zor	ne;								A	NU DI
	left and right exposed										B.F. OF	MISSON
	sed; Lumber DOL=1.6		60							4	TATE OF	NS
	has been designed fo									H	S AND	REW
	load nonconcurrent w									B	~/	MAS Y
	s has been designed f)psf							18 -		
	ttom chord in all areas								- 1	4 ^	Jym	
	all by 2-00-00 wide will	tit between the botto	om							\mathbf{N}	m	anny.
	any other members.	SPE No 2								113	NUK	IBER S
	gs are assumed to be a lirder(s) for truss to tru									N	O PE-201	7018993
	nechanical connection		0							N	The second	1BER 7018993
	late capable of withsta									X	NºSer-	NO'A
	lift at joint 4 and 13 lb u		,								PE-201	ALERA
2, 1 12 G P	,										and and	TOTA
											Labrua	. 10 2024

February 19,2024

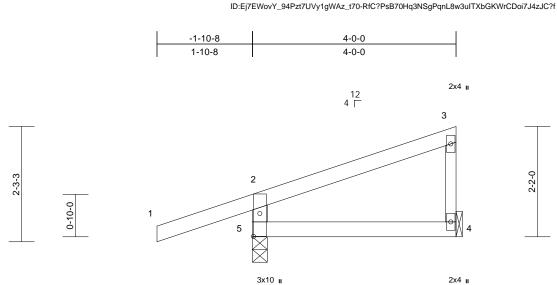


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J26	Jack-Closed	2	1	Job Reference (optional)	163679852

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:25

Wheeler Lumber, Waverly, KS - 66871,



					4-0-0							
Scale = 1:22.6												
Plate Offsets (X, Y): [5:0-5-6,0-1-8]											
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	

Loading (psf) TCLL (roof) 25.0 TCDL 10.0 BCLL 0.0* BCDL 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI TC BC WB	0.28 0.10 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.02 0.00	(loc) 4-5 4-5 4	l/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20	GRIP 197/144
LUMBER TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2 *Exce BRACING TOP CHORD Structural wood shea 4-0-0 oc purlins, exc BOT CHORD Rigid ceiling directly bracing.	athing directly applie cept end verticals. applied or 10-0-0 or nical, 5=0-3-8 5) - 8), 5=-132 (LC 4)	ed or	Matrix-R Standard		Wind(LL)	0.00	4-5	>999	240	Weight: 13 lb	FT = 10%
FORCES (lb) - Maximum Com Tension TOP CHORD 2-5=-308/154, 1-2=0 3-4=-96/46 BOT CHORD 4-5=-23/19 NOTES 1) Wind: ASCE 7-16; Vult=115mph	/45, 2-3=-77/10,										
 Vasd=91mph; TCDL=6.0psf; BCI II; Exp C; Enclosed; MWFRS (enclosed; Lumber DCL=1.60 2) This truss has been designed for chord live load nonconcurrent wii 3) * This truss has been designed for on the bottom chord in all areas 3-06-00 tall by 2-00-00 wide will 	velope) exterior zor ; end vertical left an 0 plate grip DOL=1. a 10.0 psf bottom th any other live loa or a live load of 20.0 where a rectangle	ne; d 60 ds. opsf								STATE OF	REW YE W
 chord and any other members. All bearings are assumed to be \$ 5 Refer to girder(s) for truss to trus 6) Provide mechanical connection (bearing plate capable of withstam 5 and 27 lb uplift at joint 4. 7) This truss is designed in accordat International Residential Code se R802.10.2 and referenced standard 	SPF No.2. ss connections. by others) of truss t iding 132 lb uplift at ance with the 2018 actions R502.11.1 a	o joint						(* Ph	NUM PE-2017	suntra-

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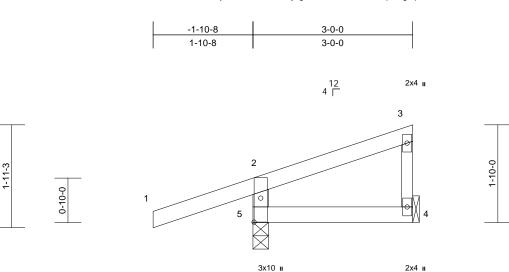


Page: 1

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J27	Jack-Closed	1	1	Job Reference (optional)	163679853

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:26 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



3-0-0

Scale = 1:21.6		

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

	()) []											
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 11 lb	FT = 10%
											- °	
LUMBER			LOAD CASE(S)	Standard								
TOP CHORD												
BOT CHORD			0									
WEBS	2x4 SPF No.2 *Exce	ept^ 3-4:2x3 SPF No	0.2									
BRACING	o											
TOP CHORD			ed or									
BOT CHORD	3-0-0 oc purlins, ex Rigid ceiling directly											
BUICHORD	bracing.	applied of 6-0-0 oc										
REACTIONS	0	anical, 5=0-3-8										
REACTIONS	Max Horiz 5=78 (LC	,										
	Max Uplift 4=-17 (LC	,										
	Max Grav 4=72 (LC											
FORCES	(lb) - Maximum Corr											
TOROLO	Tension	ipression/maximum										
TOP CHORD)/45. 2-3=-53/14.										
	3-4=-55/29	, ,										
BOT CHORD	4-5=-21/21											
NOTES												
1) Wind: AS	CE 7-16; Vult=115mph	(3-second gust)										
Vasd=91r	mph; TCDL=6.0psf; BC	DL=6.0psf; h=25ft;	Cat.									
	Enclosed; MWFRS (er											
	r left and right exposed										000	app
	osed; Lumber DOL=1.6		60								TATEOF	MICON
	s has been designed fo		4-								BIE	1000
	load nonconcurrent was has been designed f									B	AN IN	No 1
	ttom chord in all areas		Jpsi							B	S AND	REW
	all by 2-00-00 wide will		nm							A	/ THO	MAS \ Y
	d any other members.	In between the bott								1 🛃 🔺	JOHN	1 SON $1 \neq 1$
	gs are assumed to be	SPF No.2 .							/	SA A		Juno
	girder(s) for truss to tru								L	18 -	NUN	DED ON
	nechanical connection		0							27		
bearing pl	late capable of withsta	nding 133 lb uplift at	i joint							N.	O PE-2017	018993
	lb uplift at joint 4.									Y	PE-2017	100
	s is designed in accorda									0	SSIONA	TENS
	nal Residential Code s		ind								AND IN A	
R802.10.2	2 and referenced stand	ard ANSI/TPI 1.									lan	
											Echruce	10 2024

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February 19,2024

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)

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J28	Jack-Closed	1	1	Job Reference (optional)	163679854

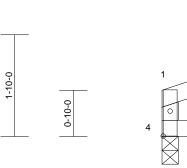
3-0-0

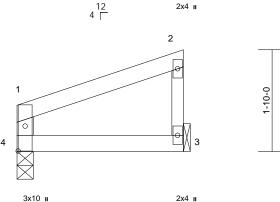
Wheeler Lumber, Waverly, KS - 66871,

Run: 8 73 S Feb 6 2024 Print: 8 730 S Feb 6 2024 MiTek Industries Inc. Fri Feb 16 08:46:26 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1





	3-0-0		
Scale = 1:20.8			
Plate Offsets (X, Y): [4:0-5-6,0-1-8]			

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	0.00	3-4	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	0.00	3-4	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	3-4	>999	240	Weight: 9 lb	FT = 10%

- LUMBER
- TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x4 SPF No.2 *Except* 2-3:2x3 SPF No.2 WEBS BRACING TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc BOT CHORD bracing. REACTIONS (size) 3= Mechanical, 4=0-3-8 Max Horiz 4=63 (LC 5) Max Uplift 3=-28 (LC 8), 4=-19 (LC 4)
- Max Grav 3=124 (LC 1), 4=124 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-4=-102/39, 1-2=-58/11, 2-3=-91/40 BOT CHORD 3-4=-21/18

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
- This truss has been designed for a 10.0 psf bottom 2) chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf 3) 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 . 4)
- Refer to girder(s) for truss to truss connections. 5)
- Provide mechanical connection (by others) of truss to 6) bearing plate capable of withstanding 19 lb uplift at joint 4 and 28 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 7) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard







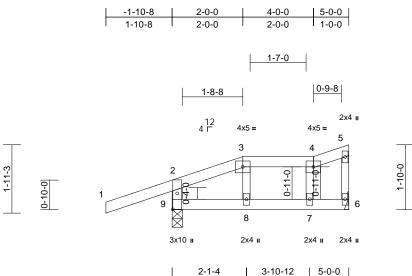
Job	Truss	Truss Type	Qty Ply Lot 195 HT		Lot 195 HT	
B240015	J29	Jack-Closed Girder	1	1	Job Reference (optional)	163679855

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:26 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

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2-1-4	1-9-8	1-1-4
2-1-4	1-3-0	1-1-4

Scale = 1:32.6

Plate Offsets (X, Y): [9:0-5-6,0-1-8]

Loading (ps TCLL (roof) 25 TCDL 10 BCLL 0 BCDL 10	 Plate Grip DOL Lumber DOL Rep Stress Incr 	2-0-0 1.15 1.15 NO IRC2018/TPI2014	CSI TC BC WB Matrix-R	0.32 0.13 0.01	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.01 -0.02 0.00 0.01	(loc) 7-8 7-8 6 7-8	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 17 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 BOT CHORD 2x3 SPF No.2 BRACING TOP CHORD Structural wood 5-0-0 oc purlins 2-0-0 oc purlins BOT CHORD Rigid ceiling dir bracing. REACTIONS (size) 6= M Max Horiz 9=78 Max Uplift 6=-52 Max Grav 6=17 FORCES (lb) - Maximum Tension TOP CHORD 2-9=-301/156, 1 3-4=-67/27, 4-5	Except* 9-2:2x4 SPF No sheathing directly applie except end verticals, a 3-4. cttly applied or 6-0-0 oc echanical, 9=0-3-8 (LC 5) (LC 8), 9=-165 (LC 4) 0 (LC 1), 9=364 (LC 1) Compression/Maximum -2=0/45, 2-3=-112/29, -57/28, 5-6=-83/34 -32/55, 6-7=-33/55 -77/55 mph (3-second gust) BCDL=6.0psf; h=25ft; 6 (envelope) exterior zon sed ; end vertical left an 1.60 plate grip DOL=1. o prevent water ponding d for a 10.0 psf bottom it with any other live loa ed for a live load of 20.0, ass where a rectangle will fit between the bottor 's. be SPF No.2. truss connections. ion (by others) of truss t	8) This truss Internation R802.10.2 9) Graphical or the orien bottom chc 10) Hanger(s) provided s down and down and down and down and down and design/sell responsibil 11) In the LOA of the truss LOAD CASE(1) Dead + R Plate Incr Uniform L Vert: 1 Concentr Vert: 3 Cat. he; d ds. Dpsf	is designed in accor al Residential Code and referenced sta purlin representation tation of the purlin or other connection ufficient to support of 126 lb up at 2-0-0 of 60 lb up at 2-0-0 or ection of such conne ity of others. D CASE(S) section are noted as front	sections ndard AN n does n along the device(s concentra on top ch bottom ection de , loads a (F) or ba	ith the 2018 s R502.11.1 a USI/TPI 1. bt depict the s top and/or s) shall be ated load(s) 50 ord, and 29 lb chord. The vice(s) is the pplied to the f ck (B).	nd ize 9 lb , ace 15,	7-8		*	Weight: 17 lb	MISSOUR REW MAS ISON

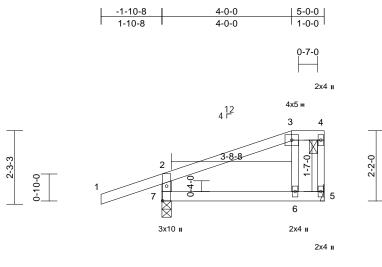
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANS/TPH1 Quality Criteria**, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

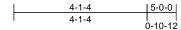
Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J30	Jack-Closed	1	1	Job Reference (optional)	163679856

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:26 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

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Scale = 1:35.5

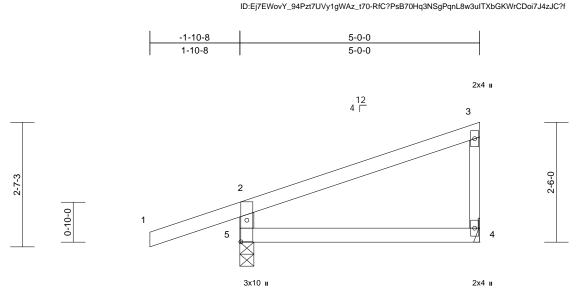
Plate Offsets (X, Y): [7:0-5-6,0-1-8]



Job		Truss	Truss Type	Qty	Ply	Lot 195 HT	
B2400	015	J31	Jack-Closed	1	1	Job Reference (optional)	163679857

Run: 8 73 S Feb 6 2024 Print: 8 730 S Feb 6 2024 MiTek Industries Inc. Fri Feb 16 08:46:27

Wheeler Lumber, Waverly, KS - 66871,



3cale = 1.24	
Plate Offsets (X, Y):	[5:0-5-6.0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.02	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.04	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.01	4-5	>999	240	Weight: 16 lb	FT = 10%

5-0-0

- TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x4 SPF No.2 *Except* 3-4:2x3 SPF No.2 WEBS BRACING TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 4= Mechanical, 5=0-3-8 Max Horiz 5=107 (LC 5) Max Uplift 4=-40 (LC 8), 5=-134 (LC 4) Max Grav 4=184 (LC 1), 5=385 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-340/166, 1-2=0/45, 2-3=-101/17,
- 3-4=-134/62 BOT CHORD 4-5=-25/27

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 5 and 40 lb uplift at joint 4.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

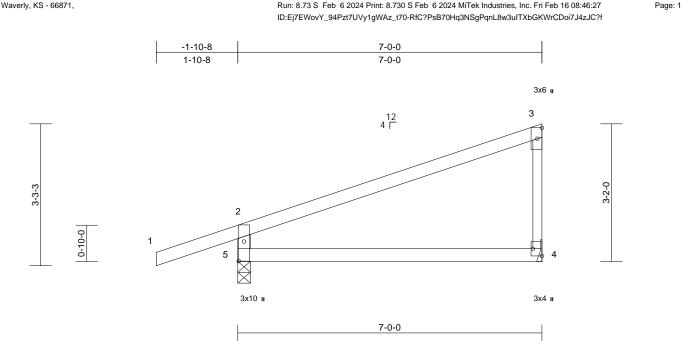
ANDREW THOMAS JOHNSON NUMBER PE-2017018993 February 19,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J32	Jack-Closed	6	1	Job Reference (optional)	163679858



Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:27

Plate Offsets	X Y	•	[4:Edge,0-2-8], [5:0-5-6,0-1-8]

Scale = 1:26.5

Plate Offsets (X, Y): [4:Edge,0-2-8],	[5:0-5-6,0-1-8]										
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	BC C	0.58 0.38 0.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.08 -0.17 0.00 0.03	(loc) 4-5 4-5 4 4-5	l/defl >985 >472 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 21 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD NOTES 1) Wind: ASC Vasd=91m II; Exp C; 1 cantilever right expos 2) This truss chord live 3) * This truss on the bott 3-06-00 ta chord and 4) All bearing 5) Refer to gi 6) Provide m bearing pi 5 and 62 li 7) This truss Internation	2x4 SPF No.2 2x4 SPF No.2 2x4 SPF No.2 *Exce Structural wood shea 6-0-0 oc purlins, exx Rigid ceiling directly bracing. (size) 4= Mecha Max Horiz 5=137 (LC Max Uplift 4=-62 (LC Max Grav 4=283 (LC (lb) - Maximum Com Tension 2-5=-412/192, 1-2=0 3-4=-202/92	pt* 3-4:2x3 SPF No athing directly applie cept end verticals. applied or 10-0-0 or inical, 5=0-3-8 C 5) (a), 5=-144 (LC 4) C 1), 5=466 (LC 1) pression/Maximum 0/45, 2-3=-149/14, (3-second gust) DL=6.0psf; h=25ft; (ivelope) exterior zor ; end vertical left an 0 plate grip DDL=1.4 r a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle fit between the botto SPF No.2. ss connections. (by others) of truss to iding 144 lb uplift at ance with the 2018 ections R502.11.1 a	LOAD CASE(S) .2 ed or c Cat. ne; d 60 ds.)psf pm o joint						(STATE OF J STATE OF J ANDJ THOI JOHN PE-2017 HESSIONA	MISSOLP REW MAS SDN BER 018993
												,,

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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J33	Diagonal Hip Girder	1	1	Job Reference (optional)	163679859

1-6-12

0-10-0

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:27 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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3x10 u

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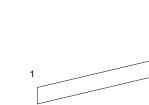


2-8-7



3

4





Page: 1

Scale = 1:20.9 Plate Offsets (X, Y): [5:0-5-5,0-1-8]

Plate Offsets (2	X, Y): [5:0-5-5,0-1-8]												
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2018/T	PI2014	CSI TC BC WB Matrix-R	0.61 0.21 0.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in 0.01 0.01 -0.01 -0.01	(loc) 4-5 4-5 3 4-5	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 10 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD NOTES 1) Wind: ASC Vasd=91rr II; Exp C; Cantilever right expos 2) This truss chord live 3) * This truss on the bott 3-06-00 tal chord and 4) All bearing 5) Refer to gi 6) Provide mu bearing pla	$\begin{array}{l} 2x4 \; \text{SPF} \; \text{No.2} \\ \\ \text{Structural wood she} \\ 2-8-7 \; \text{oc purlins, ex} \\ \text{Rigid ceiling directly} \\ \text{bracing.} \\ (size) \qquad 3= \; \text{Mecha} \\ 5=0-4-9 \\ \text{Max Horiz} \qquad 5=5-1 \; (\text{LC} \\ \text{Max Uplift} \qquad 3=-42 \; (\text{LC} \\ 5=-158 \; (\text{L} \\ \text{Max Grav} \qquad 3=23 \; (\text{LC} \\ (\text{LC} \; 1) \\ (\text{Ib}) - \; \text{Maximum Com} \\ \text{Tension} \\ 2-5=-232/141, \; 1-2=-2 \\ \end{array}$	athing directly applie cept end verticals. ⁷ applied or 10-0-0 oc anical, 4= Mechanica 7) C 17), 4=-26 (LC 1), C 4) 4), 4=28 (LC 4), 5=2 npression/Maximum 7/34, 2-3=-22/5 a (3-second gust) DL=6.0psf; h=25ft; C nvelope) exterior zon ; end vertical left anc 0 plate grip DOL=1.6 r a 10.0 psf bottom ith any other live load for a live load of 20.0 where a rectangle fit between the botto SPF No.2. (by others) of truss to nding 158 lb uplift at	7) T III F 8) F p d or 0 3) II 0 3) 1, LOAI 1) 276 Cat. c	This truss is of the network of the truss is of the network of the truss is of the truss of the truss of the truss of the truss of the truss of the truss of the trust of the truss of the trust of the trust of the	designed in accor Residential Code ad referenced star other connection icient to support c Ib up at -2-7-13, 3 on top chord. Th tion device(s) is th CASE(S) section, re noted as front (Standard of Live (balanced):	sections ndard AN device(s oncentra and 46 I ne desig le respoi loads a (F) or ba Lumber 22=-49 (F 10, B=10	ith the 2018 R502.11.1 a ISI/TPI 1.) shall be ated load(s) 4 b down and 4 n/selection of pylied to the ck (B). Increase=1.	and 46 lb 16 lb f ners. face 15, 2=-5	4-5			Weight: 10 lb	MISSOUR KEW
												Februar	y 19,2024

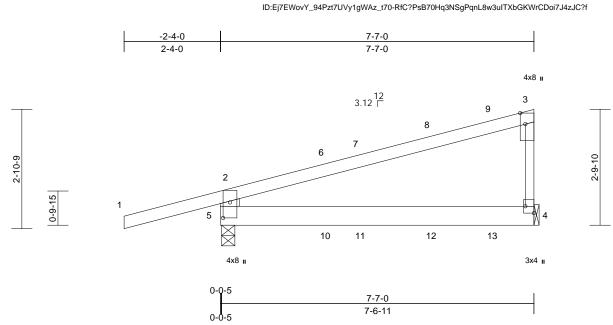
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 oulgase with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANS/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 195 HT	
B240015	J34	Diagonal Hip Girder	1	1	Job Reference (optional)	163679860

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:28

Wheeler Lumber, Waverly, KS - 66871,



Scale = 1:27.9

Plate Offsets (X, Y): [3:0-3-4,Edge], [4:Edge,0-2-8], [5:0-4-8,0-2-0]

	X, Y): [3:0-3-4,Edge],	[4:Edge,0-2-8], [5:0	-4-8,0-2-0									-	
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 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-R	0.81 0.29 0.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.04 -0.08 0.00 0.02	(loc) 4-5 4-5 4 4-5	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 27 lb	GRIP 197/144 FT = 10%
WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD NOTES	Max Horiz 5=115 (LC Max Uplift 4=-91 (LC Max Grav 4=378 (LC (Ib) - Maximum Com Tension 2-5=-501/250, 1-2=0 3-4=-261/131 4-5=-46/83	Athing directly applie cept end verticals. applied or 10-0-0 or inical, 5=0-3-14 (2 5) (3 8), 5=-191 (LC 4) (2 1), 5=551 (LC 1) pression/Maximum 0/45, 2-3=-184/28,	ed or c 9)	provided suf down and 33 3-4-9, and 8 down and 7 down at 2-6 lb down at 2-6 lb down at 2 chord. The (s) is the ress In the LOAD of the truss a DAD CASE(S) Dead + Ro Plate Incre Uniform Lo Vert: 1-2 Concentrat	of Live (balanced ase=1.15 ads (lb/ft) 2=-70, 2-3=-70, 4- ted Loads (lb) -23 (F), 9=-52 (B)	concentra 77 lb dowi lb up at on top ch id 11 lb up own at 6 of such cc ers. h, loads a ; (F) or ba): Lumber 5=-20	ted load(s) 6 n and 29 lb u 5-1-4, and 10 ord, and 4 lb o at 3-4-9, a 6-15 on bott nnection dev oplied to the ck (B). Increase=1.	ip at 01 lb nd 20 om vice face 15,					
Vasd=91m II; Exp C; E cantilever II right expos 2) This truss f chord live II 3) * This truss on the bott 3-06-00 tall chord and a 4) All bearings	E 7-16; Vult=115mph ph; TCDL=6.0psf; BC Enclosed; MWFRS (er eft and right exposed sed; Lumber DOL=1.6 has been designed fo oad nonconcurrent wi s has been designed f om chord in all areas I by 2-00-00 wide will any other members. s are assumed to be S rder(s) for truss to tru	DL=6.0psf; h=25ff; (velope) exterior zor ; end vertical left an 0 plate grip DOL=1.6 r a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle fit between the botto SPF No.2.	ne; d 60 ds. 0psf							Ĺ		STATE OF J STATE OF J ANDI THOM JOHN	SON

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 191 lb uplift at joint 5 and 91 lb uplift at joint 4.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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



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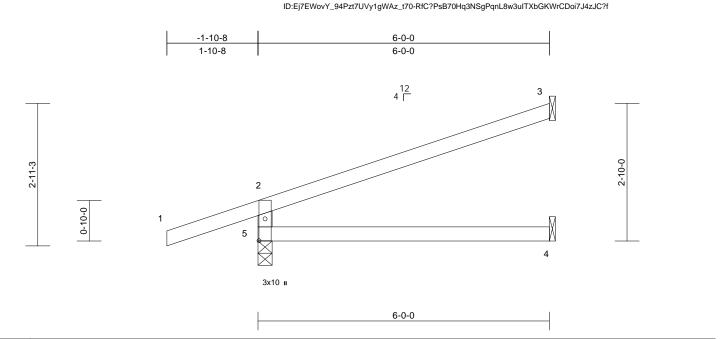
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February 19,2024

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Page: 1

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J35	Jack-Open	10	1	Job Reference (optional)	163679861



Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:28

Page: 1

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

Scale = 1:23.7

Plate Offsets ((X, Y): [5:0-5-6,0-1-8]										-	
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-R	0.48 0.31 0.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.05 -0.11 0.03 0.04	4-5 3	l/defl >999 >632 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 17 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 2x4 SPF No.2 Structural wood shea 6-0-0 oc purlins, exa Rigid ceiling directly bracing.	cept end verticals.	Internationa R802.10.2 a LOAD CASE(S) ed or	designed in accor l Residential Code and referenced star) Standard	sections	s R502.11.1 a	and					
FORCES	5=0-3-8 Max Horiz 5=106 (LC Max Uplift 3=-82 (LC Max Grav 3=173 (LC (LC 1) (lb) - Maximum Com Tension	: 8), 5=-127 (LC 4) C 1), 4=107 (LC 3), 5 pression/Maximum	5=427									
 Vasd=91n II; Exp C; cantilever right expo. 2) This truss chord live 3) * This trus on the bot 3-06-00 ta chord and 4) All bearing 5) Refer to g 6) Provide m bearing pli 	2-5=-374/174, 1-2=0 4-5=0/0 CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed; Lumber DOL=1.6(has been designed for load nonconcurrent wi is has been designed for tom chord in all areas Il by 2-00-00 wide will any other members. gs are assumed to be S irder(s) for truss to trus techanical connection (ate capable of withstar b uplift at joint 3.	(3-second gust) DL=6.0psf; h=25ft; 0 welope) exterior zor ; end vertical left an 0 plate grip DOL=1.6 : a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle fit between the botto SPF No.2. ss connections. by others) of truss to	ne; d 30 ds. ppsf om						Ĺ		ANDI JOHN PE-2017 STONA	MAS SQN *

February 19,2024

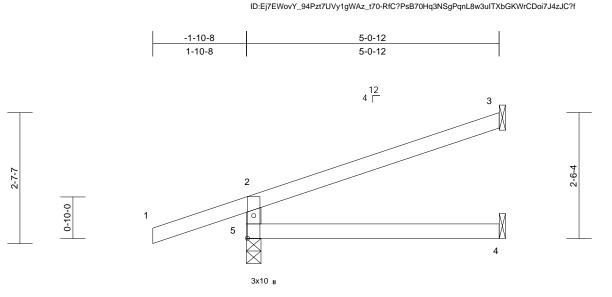
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J	Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
E	3240015	J36	Jack-Open	1	1	Job Reference (optional)	163679862

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:28

Wheeler Lumber, Waverly, KS - 66871,



5-0-12

Scale = 1:23.1 Plate Offsets (X, Y): [5:0-5-6.0-1-8]

Plate Offsets (.	X, Y): [5:0-5-6,0-1-8]											
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	-0.03	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.05	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.02	4-5	>999	240	Weight: 15 lb	FT = 10%
LUMBER			7) This truss is	s designed in acc	cordance w	ith the 2018						
TOP CHORD	2x4 SPF No.2		Internationa	al Residential Co	de sections	s R502.11.1 a	and					
BOT CHORD	2x4 SPF No.2		R802.10.2	and referenced s	standard AN	ISI/TPI 1.						
WEBS	2x4 SPF No.2		LOAD CASE(S) Standard								
BRACING												
TOP CHORD	Structural wood she	athing directly applie	ed or									
	5-0-12 oc purlins, e											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	с									
	bracing.											
REACTIONS	(size) 3= Mecha	anical, 4= Mechanica	al,									
	5=0-3-8											
	Max Horiz 5=93 (LC	4)										
	Max Uplift 3=-68 (LC	28), 5=-124 (LC 4)										
	Max Grav 3=140 (LC	C 1), 4=89 (LC 3), 5=	=389									
	(LC 1)											
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	2-5=-341/162, 1-2=0)/45. 2-3=-67/33										
BOT CHORD	4-5=0/0											
NOTES												
	CE 7-16; Vult=115mph	(3-second gust)										
,	nph; TCDL=6.0psf; BC	· · · · ·	Cat									
	Enclosed; MWFRS (er											~
	left and right exposed		,								A	all
	sed; Lumber DOL=1.6										TATE OF I	MIS C
	has been designed fo									1	7 54	N'OS
	load nonconcurrent wi		ds							A	AV/	Ner

- 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.
- 4) All bearings are assumed to be SPF No.2.
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 124 lb uplift at joint 5 and 68 lb uplift at joint 3.



Page: 1

February 19,2024



RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELORMENT SERVICES LEE'S'SUMMIT'S MISSOURI 03/12/2024 12:22:38

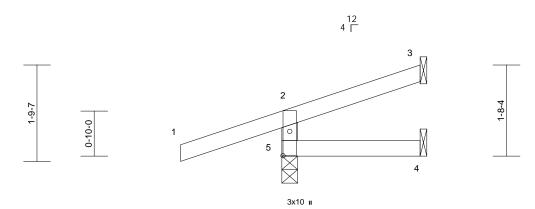
Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J37	Jack-Open	2	1	Job Reference (optional)	163679863

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:29 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

2-6-12







Scale =	1:21.3
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Plate Offsets (X, Y): [5:0-5-6,0-1-8]

											-	
Loading TCLL (roof)	(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15	CSI TC	0.28	DEFL Vert(LL)	in 0.00	(loc) 4-5	l/defl >999	L/d 360	PLATES MT20	GRIP 197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	4-5	>999	240	-	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 9 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD	2x4 SPF No.2 2x4 SPF No.2		Ínternationa	s designed in acco al Residential Cod and referenced sta	e sections	R502.11.1 a	ind					
WEBS	2x4 SPF No.2		LOAD CASE(S) Standard								
BRACING												
TOP CHORD	Structural wood she 2-6-12 oc purlins, e	xcept end verticals.										
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	С									
REACTIONS	5=0-3-8	anical, 4= Mechanica	al,									
	Max Horiz 5=59 (LC	,										
	Max Uplift 3=-26 (LC		200									
	Max Grav 3=39 (LC (LC 1)	1), 4=38 (LC 3), 5=	308									
FORCES	(lb) - Maximum Con Tension	pression/Maximum										
TOP CHORD BOT CHORD	2-5=-267/137, 1-2=0 4-5=0/0	0/45, 2-3=-40/7										
NOTES												
Vasd=91m II; Exp C; E cantilever	CE 7-16; Vult=115mph hph; TCDL=6.0psf; BC Enclosed; MWFRS (el left and right exposed sed; Lumber DOL=1.6	DL=6.0psf; h=25ft; nvelope) exterior zoi ; end vertical left an	ne; Id								TATE OF	MISS
2) This truss	has been designed fo	r a 10.0 psf bottom								A	AND	-social

- chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf 3) on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2 .
- Refer to girder(s) for truss to truss connections. 5)
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 126 lb uplift at joint 5 and 26 lb uplift at joint 3.





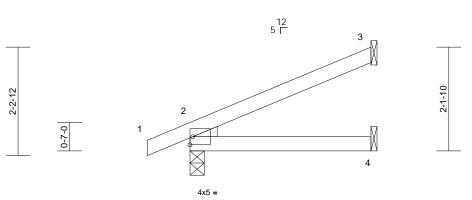


Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J38	Jack-Open	1	1	Job Reference (optional)	163679864

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Scale = 1:23.7					3-	8-10		\neg				
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	0.19	Vert(LL)	-0.01	2-4	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.02	2-4	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 10 lb	FT = 10%

BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	YES IRC2018/TPI2014	WB Matrix-P	0.00	Horz(CT)	0.00	3	n/a	n/a	Weight: 10 lb	FT = 10%
LUMBER	· · ·	•	LOAD CASE(S)	Standard								i.
TOP CHORD	2x4 SPF No.2		LOAD GAOL(0)	Otaridard								
BOT CHORD	2x4 SPF No.2											
WEDGE	Left: 2x3 SPF No.2											
BRACING												
TOP CHORD	Structural wood sheat 3-8-10 oc purlins.	athing directly applied	d or									
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc										
REACTIONS	0	3= Mechanical, 4=										
	Mechanic	al										
	Max Horiz 2=77 (LC	8)										
	Max Uplift 2=-37 (LC											
	Max Grav 2=240 (LC	C 1), 3=113 (LC 1), 4	=70									
	(LC 3)											
FORCES	(lb) - Maximum Com Tension	pression/iviaximum										
TOP CHORD	1-2=0/6, 2-3=-70/40											
BOT CHORD												
NOTES												
	CE 7-16; Vult=115mph	(3-second gust)										
	nph; TCDL=6.0psf; BC		at.									
II; Exp C;	Enclosed; MWFRS (er	velope) exterior zone	Э;									
	left and right exposed											The second se
	sed; Lumber DOL=1.6		0								AL	and the
	has been designed for		_								FE OF I	MISSO
	load nonconcurrent wi is has been designed for									4	TATE OF I	N.S.
	tom chord in all areas		751							A	S ANDI	REW P
	all by 2-00-00 wide will		n							H	THOM	
	any other members.								1	94	JOIN	
	gs are assumed to be S	SPF No.2 .								P.		
5) Refer to g	irder(s) for truss to tru	ss connections.								N		SUCCO
	echanical connection (Ŭ	13	NUM	BER E
	ate capable of withstar	nding 66 lb uplift at jo	int							N.	NUM PE-2017	BER 018993
	b uplift at joint 2.									V V	12	158
	is designed in accordanal Residential Code se		d							0	SSIONA	FNUA
	and referenced stand		u								WNA	LUG
1002.10.2											all all	D L
											February	y 19,2024

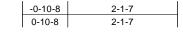
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 toublese with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS//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 195 HT	
B240015	J39	Jack-Open	1	1	Job Reference (optional)	163679865

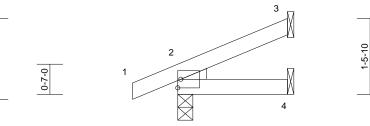
1-6-12

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:29 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





2-1-7



4x5 =

Sealo	= 1:22.3	

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	0.06	Vert(LL)	0.00	2-4	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	2-4	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 7 lb	FT = 10%
LUMBER			LOAD CASE(S)	Standard								
TOP CHORD												
BOT CHORD												
WEDGE	Left: 2x3 SPF No.2											
BRACING TOP CHORD	Structural wood she	athing directly appli	od or									
	2-1-7 oc purlins.	• • • •										
BOT CHORD	Rigid ceiling directly bracing.	/ applied or 10-0-0 o	IC .									
REACTIONS	(size) 2=0-3-8, Mechanic	3= Mechanical, 4=										
	Max Horiz 2=49 (LC											
	Max Uplift 2=-35 (LC	C 4), 3=-35 (LC 8)										
	Max Grav 2=177 (L (LC 3)	C 1), 3=48 (LC 1), 4	=38									
FORCES	(Ib) - Maximum Con	npression/Maximum										
TODOUODD	Tension											
TOP CHORD BOT CHORD		3										
	2-4=0/0											
NOTES		(2 accord such)										
Vasd=91r II; Exp C; cantilever	CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Enclosed; MWFRS (e left and right exposed psed; Lumber DOL=1.6	DL=6.0psf; h=25ft; nvelope) exterior zon ; end vertical left ar	ne; nd									- COL
	has been designed fo		.00								TATE OF	MICON
	load nonconcurrent w		ids.							9	8 TE	0.0
,	ss has been designed		0psf							A	AS INT	New York
	ttom chord in all areas									A	S/ AND	REW YYY
	all by 2-00-00 wide will any other members.	fit between the bott	om							A.	THO	
	gs are assumed to be	SPE No 2							/	X 7	THO.	ISDN 🛧
	girder(s) for truss to tru								- (M	m	m
	nechanical connection		to						U	83	PE-201	
	late capable of withsta	nding 35 lb uplift at j	oint							N	ON PE-201'	7018993
3 and 35	lb uplift at joint 2.									V	The second	158
	is designed in accord									0	A Stor	ENUS
	nal Residential Code s 2 and referenced stand		anu								ESSION!	AL L'S
1002.10.2												
											Februar	y 19,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J40	Jack-Closed Girder	2	1	Job Reference (optional)	163679866

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:29 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

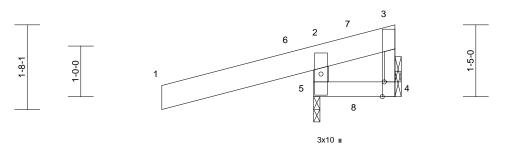




1-7-4

MT18HS 3x16 II

Page: 1



Scale = 1:22.8

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

	(X, T): [5:6 5 6,Edge]												
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-R	0.50 0.05 0.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in 0.00 0.00 0.00 0.00	(loc) 4-5 4-5 4 5	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 MT18HS Weight: 14 lb	GRIP 197/144 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD NOTES 1) Windt AS	2x4 SPF 2400F 2.0E 2x4 SPF No.2 *Exce Structural wood she 2-3-5 oc purlins, ex Rigid ceiling directly bracing. (size) 4= Mecha Max Horiz 5=69 (LC Max Uplift 4=-816 (L Max Grav 4=138 (LC (Ib) - Maximum Com Tension 2-5=-1247/298, 1-2= 3-4=-126/761	ept* 3-4:2x3 SPF No athing directly applie cept end verticals. applied or 6-0-0 oc anical, 5=0-1-8 7) .C 21), 5=-294 (LC 4 C 4), 5=1315 (LC 21 apression/Maximum =0/111, 2-3=-129/33	ed or 10 11 11 11 11 11 11 11 11 11	bearing plate 5 and 816 lb This truss is Internationa R802.10.2 a D Load case(s designer mu for the inten I) In the LOAD of the truss a DAD CASE(S) I) User define Increase=1 Uniform Lo Vert: 1-6 (F)	ads (lb/ft) 5=-70 (F), 2-6=-20 (aed Loads (lb)	anding 2 dance w sections ndard AN n modifiverify th s. loads a (F) or ba ot: ease=1.	294 ['] lb uplift at ith the 2018 is R502.11.1 a SSI/TPI 1. ed. Building at they are cc pplied to the t ck (B). 15, Plate	t joint and prrect face					
Vasd=91r II; Exp C; cantilever right expo 2) All plates 3) This truss chord live	mph; TCDL=6.0psf; BC Enclosed; MWFRS (er r left and right exposed bsed; Lumber DOL=1.6 are MT20 plates unles s has been designed for e load nonconcurrent wi	DL=6.0psf; h=25ft; (nvelope) exterior zor ; end vertical left an 0 plate grip DOL=1. s otherwise indicate r a 10.0 psf bottom ith any other live loa	ne; d 60 d. ds.								la	STATE OF I	MISSOLA REW

- * 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) Bearings are assumed to be: Joint 4 SPF No.2 , Joint 4 SPF No.2 , Joint 5 SPF 2400F 2.0E .
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.

ANDREW THOMAS UNAL ENGINE February 19,2024

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 oulgase with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



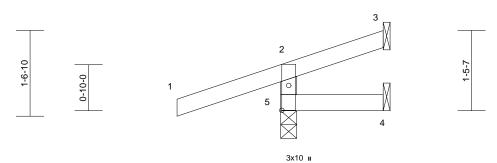
Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J41	Jack-Open	2	1	Job Reference (optional)	163679867

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:30 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

	1
-1-10-8	1-10-4
1-10-8	1-10-4



1-10-4



Scale = 1	:20.8
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Plate Offsets (X, Y): [5:0-5-6,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 7 lb	FT = 10%
				designed in acco Residential Cod			nd					
TOP CHORD BOT CHORD				and referenced sta			IIIU					
WEBS	2x4 SPF No.2 2x4 SPF No.2		LOAD CASE(S			0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
BRACING	274 011 10.2		LOND CASE(S	Standard								
TOP CHORD	Structural wood she	athing directly applie	ed or									
	1-10-4 oc purlins, e											
BOT CHORD												
REACTIONS	(size) 3= Mecha	anical, 4= Mechanica	al,									
	5=0-3-8	4)										
	Max Horiz 5=50 (LC Max Uplift 3=-11 (LC		125									
	(LC 4)	5 0), 4=-0 (LC 1), 5=	-155									
	Max Grav 3=4 (LC 4	4), 4=24 (LC 3), 5=30	02									
	(LC 1)	.,, (,,										
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD	,)/45, 2-3=-37/1										
BOT CHORD	4-5=0/0											
NOTES												
	CE 7-16; Vult=115mph											
	mph; TCDL=6.0psf; BC											and
	Enclosed; MWFRS (er										A. OF	MIG
	r left and right exposed osed; Lumber DOL=1.6									9	FIE	
	s has been designed fo		60							6	TATEOF	NSY
	e load nonconcurrent wi		ds							B	S AND	
	ss has been designed f									R		MAS
	ottom chord in all areas									4 🌶	JOH	NSON XORV
3-06-00 ta	all by 2-00-00 wide will	fit between the botto	om						/	1	1 a a ala	Lal MALAN
	d any other members.									NY	NUN	BER AND
	igs are assumed to be									47	DE 201	7018993 (云月
	girder(s) for truss to tru									N,	FE-201	DER 7018993
	nechanical connection									Y	PE-201	IS B
	plate capable of withstan lift at joint 4 and 11 lb u		Joint								V SION	I ENA
5, 6 ib up	ant at joint 4 and 11 10 0	ipint at joint 5.									an	
											-	

February 19,2024

Page: 1



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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J42	Jack-Closed Girder	1	1	Job Reference (optional)	163679868

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:30 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

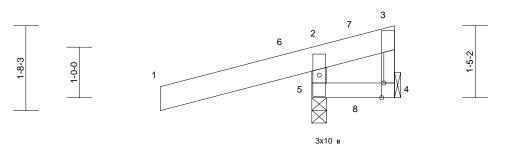




1-7-9

MT18HS 3x16 II

Page: 1



Scale = 1:22.8

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

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2018/T	TPI2014	CSI TC BC WB Matrix-R	0.50 0.09 0.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in 0.00 0.00 0.00 0.00	(loc) 4-5 4-5 4 5	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 MT18HS Weight: 14 lb	GRIP 197/144 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP 2400F 2.0E 2x4 SPF No.2 2x4 SPF No.2 *Exce Structural wood she: 2-3-10 oc purlins, e: Rigid ceiling directly	pt* 3-4:2x3 SPF No athing directly appli xcept end verticals.	8) - 	This truss is of International R802.10.2 ar Load case(s) designer must for the intend In the LOAD of the truss a	designed in accor Residential Code ad referenced star 21 has/have bee st review loads to led use of this tru: CASE(S) section re noted as front	e sections ndard AN en modifie verify tha ss. , loads ap (F) or ba	ith the 2018 R502.11.1 a ISI/TPI 1. d. Building at they are co oplied to the f	and			210	Wogn. The	
bracing. LOAD CASE(S) Standard Except: REACTIONS (size) 4= Mechanical, 5=0-3-8 Max Horiz 21) User defined (1): Lumber Increase=1.15, Plate Increase=1.15 Max Horiz 5=70 (LC 7) Max Uplift 4=-795 (LC 21), 5=-291 (LC 4) Max Gray Uniform Loads (Ib/ft) Vert: 1-6=-70 (F), 2-6=-20 (F), 2-7=-70 (F), 5-8=-20													
FORCES	(lb) - Maximum Com Tension	pression/Maximum	,	(F) Concentrate Vert: 1=-2	ed Loads (lb)								
TOP CHORD	2-5=-1233/296, 1-2= 3-4=-123/746	=0/110, 2-3=-127/32	,	vent. 1=-2	200								
Vasd=91n II; Exp C;		DL=6.0psf; h=25ft; (nvelope) exterior zoi	ne;										

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

2) All plates are MT20 plates unless otherwise indicated. 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.
- All bearings are assumed to be SPF No.2 . 5)
- Refer to girder(s) for truss to truss connections. 6)
- Provide mechanical connection (by others) of truss to 7) bearing plate capable of withstanding 291 lb uplift at joint 5 and 795 lb uplift at joint 4.



February 19,2024



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 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANS/TPH1 Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J43	Jack-Open	1	1	Job Reference (optional)	163679869

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



1-10-8

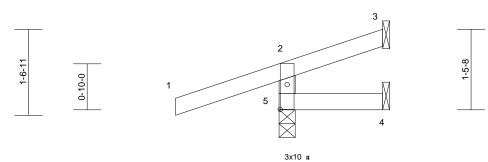


Plate Offsets (X, Y): [5:0-5-6,0-1-8]

Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.00	4-5	>999	240	-	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 7 lb	FT = 10%
							-					
LUMBER				designed in accord Residential Code								
TOP CHORE				and referenced star			and					
BOT CHORE					nuaru Ar	131/1711.						
WEBS	2x4 SPF No.2		LOAD CASE(S)	Standard								
BRACING		athing diseath on all										
TOP CHORE	D Structural wood she 1-10-8 oc purlins, e											
BOT CHORE												
Doi onora	bracing.		0									
REACTIONS	0	anical, 4= Mechanica	al.									
	5=0-3-8		,									
	Max Horiz 5=50 (LC	4)										
	Max Uplift 3=-12 (LC	C 8), 4=-8 (LC 1), 5=	-135									
	(LC 4)											
	Max Grav 3=4 (LC 1	19), 4=25 (LC 3), 5=	302									
	(LC 1)											
FORCES	(lb) - Maximum Com	npression/Maximum										
TOP CHORE	Tension D 2-5=-260/138, 1-2=0	0/45 2 2 27/1										
BOT CHORE		0/45, 2-5=-57/1										
	J 4-3=0/0											
NOTES		(2 cocord suct)										
	SCE 7-16; Vult=115mph 1mph; TCDL=6.0psf; BC		Cat									
	; Enclosed; MWFRS (er										200	Jan
	er left and right exposed										TATE OF	MISC
	osed; Lumber DOL=1.6									1	950	-00 M
2) This trus	s has been designed fo	r a 10.0 psf bottom								B	AND	REW
chord liv	e load nonconcurrent w	ith any other live loa								R	~/	
	uss has been designed f		Opsf							A.		MAS
	ottom chord in all areas								/	6 ×	JOH	VP41 1×10
	tall by 2-00-00 wide will	fit between the botto	om							\mathbf{N}	yung	m
	nd any other members.								U	83	NUN	IBER
	girder(s) for truss to tru									N	O PE-201	7018993
	mechanical connection		0							N	The second secon	120
	plate capable of withsta									X	NºSer-	NO'A
	plift at joint 4 and 12 lb u										C'SSION	AL EL
,		. ,									Aller .	and a
											Fabrua	10 2024

February 19,2024



Page: 1

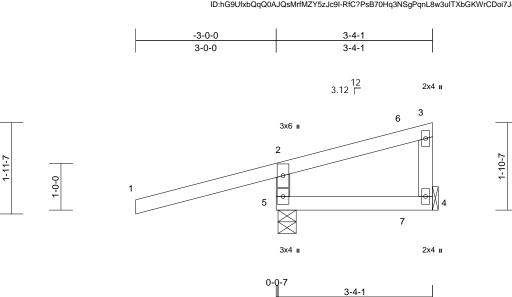
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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J44	Diagonal Hip Girder	1	1	Job Reference (optional)	163679870

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3-3-10

Page: 1



0-0-7

Scale = 1:24.6

		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	0.82	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.12	Vert(CT)	-0.01	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018	/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 13 lb	FT = 20%
LUMBER 8) Hanger(s) or other connection device(s) shall be TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2 BRACING down and 28 lb up at 2-8-7 on top chord, and 14 lb TOP CHORD Structural wood sheathing directly applied or 3-4-1 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. REACTIONS (size) 4= Mechanical, 5=0-4-11 Max Horiz 5=93 (LC 7) Max Uplift 4=-13 (LC 9), 5=-221 (LC 4) Max Grav 4=94 (LC 21), 5=-469 (LC 1)													
FORCES	(lb) - Maximum Com				()								
	Tension			Vert: 7=1	11 (F)								
TOP CHORD	2-5=-411/225, 1-2=0 3-4=-48/27	0/55, 2-3=-41/45,											
BOT CHORD	4-5=-44/55												
NOTES													
Vasd=91m II; Exp C; I cantilever right expos 2) This truss	 Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60 This truss has been designed for a 10.0 psf bottom chord live load popcoprogram with any other live loads 												

- chord live load nonconcurrent with any other live loads.
 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint 5 and 13 lb uplift at joint 4.
- 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.

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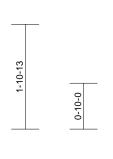
Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J45	Jack-Closed Girder	1	1	Job Reference (optional)	163679871

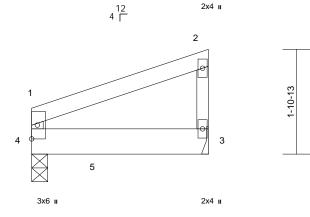
Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:31 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1









3-2-8

Scale = 1:20.9

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 NO IRC2018/TPI2014	CSI TC BC WB Matrix-R	0.14 0.24 0.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.01 -0.01 0.00 0.00	(loc) 3-4 3-4 3 3-4	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 11 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD 2x4 SPF No.2 BOT CHORD 2x6 SPF No.2 WEBS 2x3 SPF No.2 BRACING TOP CHORD Structural wood shea 3-2-8 oc purlins, exc BOT CHORD Rigid ceiling directly bracing. REACTIONS (size) 3= Mecha Max Horiz 4=63 (LC Max Uplift 3=-36 (LC Max Uplift 3=-36 (LC Max Grav 3=251 (LC FORCES (lb) - Maximum Com Tension TOP CHORD 1-4=-112/43, 1-2=-70 BOT CHORD 3-4=-21/36 NOTES 1) Wind: ASCE 7-16; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCI II; Exp C; Enclosed; MWFRS (en cantilever left and right exposed right exposed; Lumber DOL=1.6(2) This truss has been designed for chord live load nonconcurrent wii 3) * This truss has been designed for on the bottom chord in all areas v 3-06-00 tall by 2-00-00 wide will chord and any other members. 4) All bearings are assumed to be S 5) Refer to girder(s) for truss to trus 6) Provide mechanical connection (bearing plate capable of withstar 4 and 36 lb uplift at joint 3.	cept end verticals. applied or 10-0-0 oc nical, 4=0-3-8 5) 8), 4=-32 (LC 4) C 1), 4=366 (LC 1) pression/Maximum 0/10, 2-3=-98/44 (3-second gust) DL=6.0psf; h=25ft; C velope) exterior zon; end vertical left anc. D plate grip DOL=1.6 a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle fit between the bottoo SPF No.2. s connections. by others) of truss to	at. e; b30 d or b dowr d or b dowr espons conce b d or conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver conce ver ver conce ver ver conce ver ver ver ver ver ver ver ver ver ve	(s) or other connection d sufficient to support and 17 lb up at 1.1-/ selection of such conr ibility of others. OAD CASE(S) section uss are noted as front E(S) Standard + Roof Live (balanced ncrease=1.15 m Loads (lb/ft) :: 1-2=-70, 3-4=-20 ntrated Loads (lb) :: 5=-347 (F)	concentra 4 on botto nection de n, loads a t (F) or ba	ted load(s) 3 m chord. The vice(s) is the oplied to the t ck (B).	e face		C		STATE OF J STATE OF J JOHN	AAS MAN +

4 and 36 lb uplift at joint 3. 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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PE-2017018993

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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J46	Jack-Open	5	1	Job Reference (optional)	163679872

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:31 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



3-2-8



Page: 1

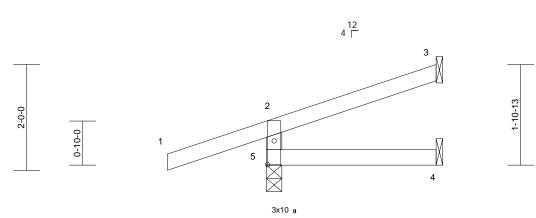


Plate Offsets (X, Y): [5:0-5-6,0-1-8]

	(, .). [
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	-0.01	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 10 lb	FT = 10%
LUMBER			This truss is	designed in acco	ordance wi	ith the 2018						
TOP CHORD	2x4 SPF No.2		Internationa	I Residential Code	e sections	R502.11.1 a	and					
BOT CHORD	2x4 SPF No.2		R802.10.2 a	and referenced sta	andard AN	ISI/TPI 1.						
WEBS	2x4 SPF No.2		LOAD CASE(S	Standard								
BRACING			•									
TOP CHORD	Structural wood she	athing directly applie	ed or									
	3-2-8 oc purlins, ex											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	с									
	bracing.											
REACTIONS	(size) 3= Mecha	anical, 4= Mechanica	al,									
	5=0-3-8											
	Max Horiz 5=49 (LC	,										
	Max Uplift 3=-23 (LC											
	Max Grav 3=69 (LC	1), 4=52 (LC 3), 5=	324									
	(LC 1)											
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD		45, 2-3=-45/15										
BOT CHORD	4-5=0/0											
NOTES												
	CE 7-16; Vult=115mph		_									
	nph; TCDL=6.0psf; BC											
	Enclosed; MWFRS (er										and	TOP
	exposed ; end vertical l OL=1.60 plate grip DC		20;								6 OF	MICON
	has been designed for										4 TE	-0.0.0
	load nonconcurrent wi		ds							A	STATE OF I	Nes/
	ss has been designed f									H	S/ AND	KEW / C V
	ttom chord in all areas		,ro.							N.	/ IHUI	VIAS V Y
	all by 2-00-00 wide will		om							2 📩	JOH)	SON X
	any other members.								/	K	wh	anna
4) All bearing	gs are assumed to be S	SPF No.2 .							L	M-	NOM	REP 121
5) Refer to a	irder(s) for truss to tru	ss connections							~	27		BER

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

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 76 lb uplift at joint 5 and 23 lb uplift at joint 3.



PE-2017018993

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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	100070070	
B240015	J47	Jack-Closed Girder	2	1	Job Reference (optional)	163679873	

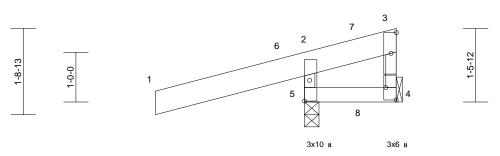
Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:32 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-10-2





Scale = 1:23	3.2
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Plate Offsets (X, Y): [4:Edge,0-2-8]

	⊼, 1). [4.∟úge,0-2-0]											
Loading TCLL (roof) TCDL	(psf) 25.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI TC BC	0.50 0.04	DEFL Vert(LL) Vert(CT)	in 0.00 0.00	(loc) 4-5 4-5	l/defl >999 >999	L/d 360 240	PLATES MT20	GRIP 197/144
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	NO IRC2018/TPI2014	WB Matrix-R	0.00	Horz(CT) Wind(LL)	0.00	4 4-5	n/a >999	n/a 240	Weight: 15 lb	FT = 10%
	2x6 SP 2400F 2.0E 2x4 SPF No.2 2x3 SPF No.2 Structural wood she 2-6-3 oc purlins, ex Rigid ceiling directly bracing. (size) 4= Mecha Max Horiz 5=72 (LC Max Uplift 4=-650 (L Max Grav 4=106 (LC (lb) - Maximum Corr	designer for the ir 9) In the LC of the tru- ed or LOAD CASE 21) User do Increas Uniform Vert: (F) Concer	se(s) 21 has/have be must review loads t itended use of this tr DAD CASE(S) section iss are noted as fror E(S) Standard Exco frined (1): Lumber In ee-1.15 h Loads (lb/ft) 1-6=-70 (F), 2-6=-2 htrated Loads (lb) 1=-250	to verify tha russ. on, loads aj ot (F) or ba cept: ncrease=1.	at they are co oplied to the t ck (B). 15, Plate	face						
TOP CHORD	Tension 2-5=-1139/277, 1-2= 3-4=-98/631		,									
BOT CHORD	4-5=-61/15											
Vasd=91m II; Exp C; E cantilever I right expos 2) This truss chord live I 3) * This truss on the bott	CE 7-16; Vult=115mph ph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed; Lumber DOL=1.6 has been designed for load nonconcurrent wi s has been designed f tom chord in all areas Il by 2-00-00 wide will	DL=6.0psf; h=25ff; (ivelope) exterior zor ; end vertical left an 0 plate grip DOL=1. r a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle	ne; d 60 ds. psf								STATE OF J	MAS Y

- chord and any other members. 4) All bearings are assumed to be SPF No.2.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to
- bearing plate capable of withstanding 265 lb uplift at joint 5 and 650 lb uplift at joint 4. This truss is designed in accordance with the 2018
- 7) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

PESSIONAL February 19,2024

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PE-2017018993

Page: 1

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	J48	Jack-Open	4	1	Job Reference (optional)	163679874

-1-10-8

1-10-8

1

Wheeler Lumber, Waverly, KS - 66871,

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:32 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



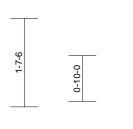
3 2

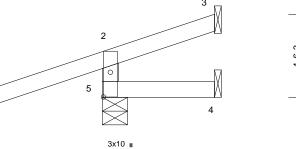
2-0-8

2-0-8

12 4 Г







2-0-8

Scale = 1:21	
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Plate Offsets (X, Y): [5:0-5-6,0-1-8]

				-								
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	тс	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R	_	Wind(LL)	0.00	4-5	>999	240	Weight: 8 lb	FT = 10%
LUMBER TOP CHORD	2x4 SPF No.2			designed in acco			and					
BOT CHORD				ind referenced sta			inu					
WEBS	2x4 SPF No.2 2x4 SPF No.2		LOAD CASE(S)			00/1111.						
BRACING	214 011 10.2		LOAD CASE(S)	Standard								
TOP CHORD	Structural wood she	athing directly appli	ed or									
	2-0-8 oc purlins, ex											
BOT CHORD			с									
REACTIONS	(size) 3= Mecha	anical, 4= Mechanica	al,									
	5=0-5-8	1)										
	Max Horiz 5=52 (LC Max Uplift 3=-15 (LC		100									
	(LC 4)	5 0), 4=-5 (LC 1), 5=	-155									
	Max Grav 3=10 (LC (LC 1)	1), 4=27 (LC 3), 5=	302									
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD	, - ,	0/45, 2-3=-38/1										
BOT CHORD	4-5=0/0											
NOTES												
Vasd=91r II; Exp C; cantilever right expo	CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed bsed; Lumber DOL=1.6	DL=6.0psf; h=25ft; h velope) exterior zou ; end vertical left an 0 plate grip DOL=1.	ne; Id							4	TATE OF	MISSO
	s has been designed fo									H	AND	REW YP.V
	load nonconcurrent w									Ø	~/	MAS Y
	ss has been designed f ttom chord in all areas		Jpst							10+	JOH	
3-06-00 ta	all by 2-00-00 wide will		om						(Å,	a a a b b	Sund
	any other members.								U U	11-	NUM	BER $/\approx 0$
	gs are assumed to be a girder(s) for truss to tru									N7	PE-201	7018993 / 二月
	nechanical connection		0							N	NUM PE-201	IBER 7018993
	late capable of withsta									X	Ser	DO'A
	plift at joint 3 and 5 lb u		,								SSION	LETA
,		. ,									an	and a
											Fabrica	10 2024

February 19,2024



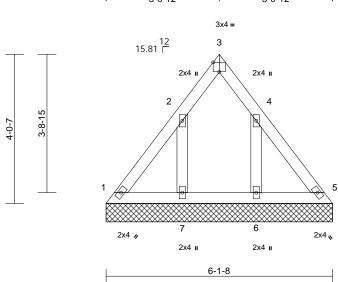
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	LAY1	GABLE	1	1	Job Reference (optional)	163679875

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:32 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







Scale = 1:31.2

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

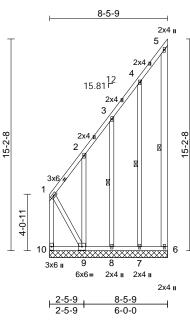
	(X, T). [5.Euge,0-5-2]	-											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/T	FPI2014	CSI TC BC WB Matrix-P	0.05 0.03 0.03	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 23 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 2x4 SPF No.2 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. (size) 1=6-1-8, 5 Max Horiz 1=-103 (L Max Uplift 1=-13 (LC (LC 9), 7= Max Grav 1=118 (LC	applied or 10-0-0 oc 5=6-1-8, 6=6-1-8, 7= C 4) C 6), 5=-12 (LC 7), 6= -149 (LC 8) C 17), 5=117 (LC 18)	d or 9) F b 6-1-8 10) T F-148 LOAN	on the bottom 3-06-00 tall b chord and an All bearings a Provide mecl bearing plate 1, 12 lb uplift uplift at joint (This truss is (nternational	designed in accord Residential Code nd referenced stan	s where Il fit betv SPF No (by oth anding 1 plift at jo dance w sections	a rectangle veen the botto o.2. ars) of truss to 3 lb uplift at jo pint 7 and 148 th the 2018 R502.11.1 a	om o pint 3 lb					
FORCES TOP CHORD BOT CHORD WEBS	4-5=-157/85												
 this design Wind: ASC Vasd=91m II; Exp C; I cantilever right exposion Truss destination only. For see Stand or consult Gable requipes Gable stuct This truss 	ed roof live loads have n. 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 ir studs exposed to wind lard Industry Gable End qualified building design uires continuous bottor ds spaced at 0-0-0 oc. has been designed for load nonconcurrent wi	(3-second gust) DL=6.0psf; h=25ft; C ivelope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 h the plane of the true (normal to the face) d Details as applicab gner as per ANSI/TP m chord bearing.	Cat. e; 50 ss ; le, I 1.							(Å.	STATE OF J STATE OF J ANDI THOM OFFI PE-2017	REW MAS SIN BER 018993



4	👠 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
	Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not
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	building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing
	is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the
	fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpin
	and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	LAY2	Lay-In Gable	1	1	Job Reference (optional)	163679876

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Scale = 1	1:82.7
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Scale = 1:82.7													
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	3/TPI2014	CSI TC BC WB Matrix-P	0.39 0.07 0.21	DEFL 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: 101 lb	GRIP 197/144 FT = 20%
	2x4 SPF No.2 2x4 SPF No.2 *Exce 2.0E 2x4 SPF No.2 Structural wood shee 6-0-0 oc purlins, exc Rigid ceiling directly bracing, Except: 8-0-2 oc bracing: 9-1 1 Row at midpt (size) 6=8-5-9, 7 10=8-5-9 Max Horiz 10=569 (L 8=-172 (L 10=-763 (Max Grav 6=232 (LC	athing directly applie cept end verticals. applied or 10-0-0 oc 10. 5-6, 4-7, 3-8 7=8-5-9, 8=8-5-9, 9=8 -C 5) C 7), 7=-177 (LC 8), C 8), 9=-767 (LC 5), LC 6) C 4), 7=235 (LC 15), C 15), 9=724 (LC 6),	3) 4) ed or 5) 6) ; 7) 8-5-9, 8) 9) 10	only. For stu see Standar or consult qu Gable requir Truss to be f braced agair Gable studs This truss ha chord live loo * This truss ha on the botton 3-06-00 tall I chord and an All bearings Provide mec bearing plate 10, 264 lb ur uplift at joint) This truss is International R802.10.2 a	ned for wind loads uds exposed to wind d Industry Gable E alified building des es continuous botti uilly sheathed from hist lateral moveme spaced at 2-0-0 oc as been designed fad nonconcurrent v has been designed n chord in all areas by 2-00-00 wide will y other members. are assumed to be chanical connection e capable of withsta blift at joint 6, 177 II 8 and 767 Ib uplift designed in accord Residential Code nd referenced stan	d (norm nd Deta signer a om chor one fac or a 10. vith any for a 10. vith any for a 10. vith any for a liv s where I fit betw SPF No (by oth and or f o uplift a at joint s dance w sections	al to the face) ils as applicat s per ANSI/TF d bearing. e or securely liagonal web). D psf bottom other live load o f 20.0 a rectangle veen the botto 0.2. ers) of truss tr '63 lb uplift at tt joint 7, 172 i 9. ith the 2018 s R502.11.1 a), ole, PI 1. ds. Dpsf om joint Ib					
FORCES	(lb) - Maximum Com Tension	pression/Maximum		OAD CASE(S)	Stanuaru								
TOP CHORD	1-10=-1108/782, 1-2 2-3=-471/323, 3-4=-4 5-6=-224/277		71,									TATE OF M	MISSO
BOT CHORD	9-10=-550/402, 8-9= 6-7=-206/156	-206/156, 7-8=-206/	156,								A	ST ANDR	LEW CR
WEBS	4-7=-192/202, 3-8=- 1-9=-598/790	177/194, 2-9=-226/24	42,								A.	THOM	
Vasd=91m II; Exp C; I cantilever	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (en left and right exposed sed; Lumber DOL=1.60	e; d							(A Start	NUM PE-2017	Junia.	

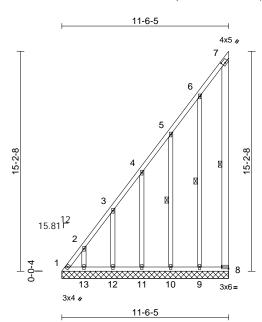
February 19,2024



RELEASE IOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT'S MISSOURI 03/12/2024 12:22:39

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	LAY3	Lay-In Gable	1	1	Job Reference (optional)	163679877

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:33 ID:DL_Ka18VQCrhX2vaNijTiXzJb2t-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:79.7

		-					-							
Loading TCLL (roof)		(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15		TC	0.56	DEFL Vert(LL)	in n/a	(loc) -	l/defl n/a	L/d 999	PLATES MT20	GRIP 197/144
TCDL		20.0 10.0	Lumber DOL	1.15		BC	0.35	Vert(TL)	n/a	-	n/a	999 999	WI120	1977144
BCLL		0.0*	Rep Stress Incr	YES		WB	0.35	Horiz(TL)	0.00	8	n/a	n/a		
BCDL		10.0	Code		8/TPI2014	Matrix-S	0.15	110112(11)	0.00	0	n/a	n/a	Weight: 99 lb	FT = 20%
BODL		10.0	0000	11(0201	0/11/2014	Matrix 0							Weight. 55 lb	11 = 2070
LUMBER				1)		7-16; Vult=115m			. .					
TOP CHORD	2x4 SPF No.2					n; TCDL=6.0psf;								
BOT CHORD						closed; MWFRS t and right expos								
WEBS	2x6 SPF No.2					d; Lumber DOL=								
OTHERS	2x4 SPF No.2	2		2										
	antic For study averaged to wind (correct to the force)													
TOP CHORD			athing directly applie cept end verticals.	d or		d Industry Gable								
BOT CHORD			applied or 10-0-0 oc			alified building d			기 1.					
bracing 3) All plates are 2x4 MT20 unless otherwise indicated.														
WEBS	1 Row at mid	lpt	7-8, 6-9, 5-10	4)		es continuous bo		d bearing.						
REACTIONS	(size) 1=	11-6-5,	8=11-6-5, 9=11-6-5	5)		spaced at 2-0-0								
	10	=11-6-5	5, 11=11-6-5, 12=11-	6-5, ⁶	6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.									
		=11-6-5		7		as been designe								
	Max Horiz 1=					n chord in all are			poi					
			C 6), 8=-305 (LC 7),			y 2-00-00 wide v			om					
			C 8), 10=-163 (LC 8) LC 8), 12=-177 (LC 8		chord and ar	y other members	s.							
		=-160 (=-159 (o), 8]		are assumed to b								
			C 5), 8=265 (LC 4), 9	=207 9)		hanical connection								
			0=234 (LC 15), 11=2		• •	capable of with	•	•						
			2=231 (LC 15), 13=2			ft at joint 8, 209 I								
		C 15)	(<i>//</i>			10, 180 lb uplift a 159 lb uplift at joi			at					
FORCES	(lb) - Maximu	m Com	pression/Maximum	10		designed in acco		ith the 2018					San	TOP
	Tension					Residential Code			ind				A OF	MISSO
TOP CHORD			644/459, 3-4=-543/3		R802.10.2 a	nd referenced sta	andard AN	ISI/TPI 1.				1	TATEOF	N.O.
			437/310, 6-7=-259/1	^{86,} L	DAD CASE(S)	Standard						B	ANDI	EW X
	7-8=-117/136		0.040/400		,							R		
BOT CHORD		,	3=-210/160, 11=-210/160,									NA	THO	
	9-10=-210/16	· ·	,									8	d JOHN	
WEBS	6-9=-225/195										/	KA.	mhs	my
	4-11=-185/19										L	173	NUM	BER A
	2-13=-163/17		,									N	PE-2017	
NOTES												N	The second	12A
												X	CSSIONA	NO'A
													ONA	LEFA
													UNA	TITE





Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	LAY4	Lay-In Gable	2	1	Job Reference (optional)	163679878

3-2-4

3-2-4

4-2-10

Wheeler Lumber, Waverly, KS - 66871,

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:33 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

2x4 =

6

4-2-10

7-5-10

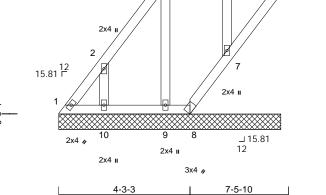
4-3-6

⊠5

2x4 🛛

3-2-7





4-3-3

2x4 II

3x4 🎣

34

12

Scale = 1:37.5

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

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	(psi) 25.0	Plate Grip DOL	1.15		TC	0.05	Vert(LL)	n/a	(100)	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.03	Vert(TL)	n/a		n/a	999	WI120	131/144
BCLL	0.0*	Rep Stress Incr	YES		WB	0.03	Horiz(TL)	0.00	6	n/a	n/a		
BCDL	10.0	Code		8/TPI2014	Matrix-P	0.00	110112(112)	0.00	0	n/a	n/a	Weight: 29 lb	FT = 10%
BCDL	10.0	Code	INCZUI	0/1712014	Ividuitx-F							Weight. 29 lb	FT = 1076
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD	2x4 SPF No.2 Structural wood sh 6-0-0 oc purlins, ex 2-0-0 oc purlins (6- Rigid ceiling directh bracing, Except:	0-0 max.): 3-6. y applied or 10-0-0 oc	6) 7)	only. For stu see Standard or consult qu Provide ader All plates are Gable studs This truss ha chord live loo * This truss h	ned for wind loads uds exposed to wi d Industry Gable B lailified building de quate drainage to 2 x4 MT20 unless spaced at 2-0-0 o Is been designed ad nonconcurrent nas been designe n chord in all area	nd (norm End Deta esigner a prevent s otherwind for a 10. with any d for a liv	al to the face ils as applica s per ANSI/TI water ponding se indicated. 0 psf bottom other live loa re load of 20.0	e), Ible, PI 1. g. ads.					
REACTIONS	8=7-2-11 Max Horiz 1=160 (L Max Uplift 1=-28 (L (LC 4), 8 5), 10=-1 Max Grav 1=128 (L (LC 22),	, 6=7-2-11, 7=7-2-11 , 9=7-2-11, 10=7-2-1 ,C 8) C 6), 6=-51 (LC 8), 7= =-24 (LC 15), 9=-24 (65 (LC 8)	1 9) =-44 10 LC =194 LC 11	 3-06-00 tall b chord and ar All bearings Provide mector bearing plate 1, 51 lb uplifi joint 7, 24 lb Non Standar 	by 2-00-00 wide w by other members are assumed to b hanical connectio e capable of withs at joint 6, 24 lb u uplift at joint 9 an d bearing conditic	vill fit betw e SPF N n (by oth tanding 2 plift at jo d 165 lb on. Revie	veen the both o.2. ers) of truss t 28 lb uplift at j nt 8, 44 lb up uplift at joint ? ew required.	to joint blift at					
FORCES	(lb) - Maximum Cor Tension 1-2=-170/74, 2-3=-	npression/Maximum 75/12, 3-4=-23/39,		International R802.10.2 a	designed in accor Residential Code nd referenced sta rlin representation	e sections ndard Al	s R502.11.1 a ISI/TPI 1.						
BOT CHORD	4-5=-23/39, 5-6=-23 1-10=-39/23, 9-10= 7-8=-70/53, 6-7=-75	-39/23, 8-9=-39/23,			ation of the purlin			0120				TATEOF	MISSO
WEBS	,	117/45, 2-10=-173/18	7 L(DAD CASE(S)	Standard						6	AN	V.S.V
NOTES		,									R	S AND	REW
1) Unbalance this design										1	1.	THO JOAN	
Vasd=91r II; Exp C; cantilever	CE 7-16; Vult=115mpi mph; TCDL=6.0psf; B(Enclosed; MWFRS (e left and right exposed sed; Lumber DOL=1.0	CDL=6.0psf; h=25ft; C envelope) exterior zon d ; end vertical left and	e; d							l	A Press	NUM PE-2017	018993 50 F

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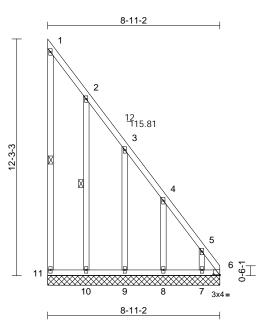


February 19,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	LAY5	Lay-In Gable	1	1	Job Reference (optional)	163679879

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:34 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:59.7

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

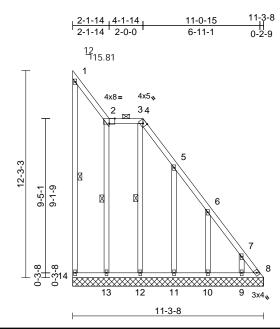
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TP	912014	CSI TC BC WB Matrix-P	0.08 0.08 0.14	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.01	(loc) - - 6	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 64 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORE BOT CHORE WEBS OTHERS BRACING TOP CHORE BOT CHORE 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) 6=8-11-2, 9=8-11-2, 9=8-11-2, 9=8-11-2, 11=-477 (Max Horiz 11=-476 (8=-181 (L 10=-186 (L 8=233 (L 	applied or 10-0-0 oc 1-11, 2-10 ,7=8-11-2, 8=8-11-2, ,10=8-11-2, 11=8-11 (LC 9) ,C 7), 7=-205 (LC 9), ,C 9), 9=-173 (LC 9), (LC 9), 11=-65 (LC 9)	4) Ga 5) Ga 6) Th ch 7) * T d or on 3-(ch 8) All 9) Pr be 7-2 up join 10) Th Int Ra LOAD	able require able studs s nis truss ha ord live loas This truss ha the botton 06-00 tall b ord and an I bearings a covide med earing plate (, 268 lb up blift at joint s int 7. nis truss is of ternational	2x4 MT20 unless as continuous botto spaced at 2-0-0 oc s been designed for d nonconcurrent w as been designed n chord in all areas y 2-00-00 wide will y other members. are assumed to be nanical connection capable of withsta lift at joint 6, 186 ll 9, 181 lb uplift at joint designed in accord Residential Code s and referenced stan Standard	om chor c. or a 10. vith any for a liv s where l fit betw SPF N (by oth anding 6 o uplift a oint 8 ar dance w sections	d bearing. D psf bottom other live load e load of 20.0 a rectangle ween the botto D.2. ers) of truss to 5 lb uplift at jo t joint 10, 173 d 205 lb uplift ith the 2018 : R502.11.1 ai	opsf om oint 3 Ib ∶ at					
FORCES	(lb) - Maximum Com Tension												
TOP CHORE BOT CHORE WEBS	3-4=-440/196, 4-5=- 10-11=-199/477, 9-1 8-9=-199/477, 7-8=-	624/274, 5-6=-814/3	77								A	STATE OF AND	MISSOL
Vasd=91 II; Exp C cantileve exposed; 2) Truss de only. Fo see Stan	SCE 7-16; Vult=115mph mph; TCDL=6.0psf; BC ; Enclosed; MWFRS (er r left and right exposed ; Lumber DOL=1.60 pla ssigned for wind loads in r studs exposed to wind dard Industry Gable En It qualified building desi	DL=6.0psf; h=25ft; C nvelope) exterior zono ; end vertical right te grip DOL=1.60 n the plane of the trus ((normal to the face), d Details as applicab	e; ss le,							(A Providence	THON JOHN PE-2017 SSIONA	BER 018993

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TION 'IEW DEVELOPMENT SERVICES LEE'S'SUMMIT'S MISSOURI 03/12/2024 12:22:39

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	LAY6	Lay-In Gable	1	1	If Job Reference (optional)	63679880

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:34 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:68.2

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

										-	
Loading TCLL (roof) TCDL BCLL BCDL	(psf)Spacing25.0Plate Grip DO10.0Lumber DOL0.0*Rep Stress Ind10.0Code	1.15	CSI TC BC WB Matrix-S	0.08 0.08 0.14	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.01	(loc) - - 8	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 79 lb	GRIP 197/144 FT = 10%
	2x4 SPF No.2 2x4 SPF No.2 2x4 SPF No.2 2x4 SPF No.2 2x4 SPF No.2 2x4 SPF No.2 2x4 SPF No.2 Structural wood sheathing directly a 6-0-0 oc purlins, except end vertica 2-0-0 oc purlins, except end vertica 1-14, 2-13, 3-12 (size) 8=11-3-8, 9=11-3-8, 10=1 11=11-3-8, 12=11-3-8, 10=1 11=11-3-8, 12=11-3-8, 10=1 11=11-3-8, 12=11-3-8, 10=1 11=11-3-8, 12=11-3-8, 10=1 12=126 (LC 7), 9=-152 (LC 10=-217 (LC 9), 11=-192 12=-227 (LC 9), 14=-82 (L Max Grav 8=606 (LC 9), 9=194 (LC 10=229 (LC 16), 11=233 12=196 (LC 16), 13=182 (L 14=101 (LC 16))	Vasd=91 II; Exp C cantileve exposed 2) Truss de only. Fo see Stan or consu 0 oc 4) All plates 5) Gable re 1-3-8, =11-3-8, 7) This trus chord livv 8) * This trus chord livv 8) * This trus chord an C 9), 16), LC 1), 10) Provide a 9) All bearing bearing p 14, 243 l	CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Enclosed; MWFRS (er r left and right exposed Lumber DOL=1.60 plat signed for wind loads ir studs exposed to wind dard Industry Gable Em t qualified building desit dequate drainage to pr are 2x4 MT20 unless c quires continuous bottor ds spaced at 2-0-0 oc. s has been designed for too honconcurrent wi ss has been designed for too chord in all areas all by 2-00-00 wide will to by 2-00-00 wide will space assumed to be S nechanical connection (late capable of withstar o uplift at joint 8, 227 lb point 11, 173 lb uplift at joint 8, 227 lb	DL=6.0 A standard and a standard	Opsf; h=25ft; e) exterior zor vertical right DOL=1.60 lane of the tru al to the face ils as applica s per ANSI/TI water ponding se indicated. d bearing. D psf bottom other live loa e load of 20.0 a rectangle veen the botto c.2. ers) of truss t z lb uplift at j tt joint 12, 192	ne; Jss), ble, Pl 1. g. ds. g. ds. opsf om cont 2 lb					
FORCES	(lb) - Maximum Compression/Maxim Tension 1-14=-85/89, 1-2=-92/58, 2-3=-105/4	11) This trus	s is designed in accorda			and				TATE OF	MISSO
BOT CHORD	3-4=-104/45, 4-5=-251/112, 5-6=-44 6-7=-621/276, 7-8=-763/333 13-14=-201/476, 12-13=-201/476, 11-12=-201/476, 10-11=-201/476, 9-10=-201/476, 8-9=-201/476	12) Graphica or the ori bottom c	2 and referenced stand I purlin representation c entation of the purlin alc hord. (S) Standard	loes no	ot depict the s	size		(ANDI THOM JOHN	MAS Y
WEBS	2-13=-140/18, 3-12=-156/250, 5-11=-194/216, 6-10=-188/199, 7-9=	-157/165						Ľ	M.	NUM PE-2017	

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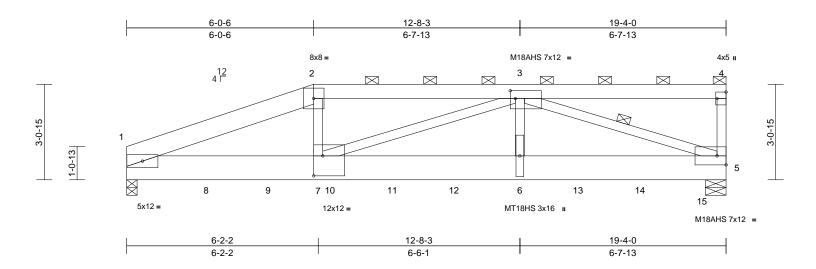
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February 19,2024

Page: 1

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	R1	Half Hip Girder	1	2	Job Reference (optional)	163679881

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:35 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:37.2

Plate Offsets (X, Y): [3:0-2-0,0-3-0], [4:Edge,0-3-8], [7:0-3-8,0-7-12]

						-							
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.99 0.64 1.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.21 -0.37 0.07 0.13	(loc) 6-7 6-7 5 6-7	l/defl >999 >625 n/a >999	L/d 360 240 n/a 240	PLATES MT20 M18AHS MT18HS Weight: 282 lb	GRIP 244/190 142/136 197/144 FT = 20%
	No.2 2x10 SP 2400F 2.0E 2x4 SPF No.2 *Exce 2400F 2.0E Structural wood she 6-0-0 cc purlins, ex 2-0-0 cc purlins, ex 2-0-0 cc purlins (2-6 Rigid ceiling directly bracing. 1 Row at midpt	apt* 7-3,5-3:2x4 SPF athing directly applie cept end verticals, ar 5-14 max.): 2-4. • applied or 10-0-0 oc 3-5 5=0-8-0 20) C 4), 5=-68 (LC 4)	3, d or nd 4; 5; 6; 7;	except if note CASE(S) see provided to c unless other Vasd=91mpH II; Exp C; En and right exp Lumber DOL) Provide adee All plates are chord live loa * This truss ha chord live loa 3-06-00 tall b	considered equa ed as front (F) or tition. Ply to ply c listribute only loa wise indicated. 7-16; Vult=115m ; TCDL=6.0psf; closed; end vertic =1.60 plate grip quate drainage to a MT20 plates un is been designed ad nonconcurren nas been designed ad nonconcurren py 2-00-00 wide 'y o other member	 back (B) connection ads noted nph (3-sec BCDL=6. (envelopic cal left and DOL=1.60 porevent in less other d for a 10. t with any ed for a liv as where will fit betw 	face in the LC s have been as (F) or (B), cond gust) 0psf; h=25ft; s); cantilever d right expose water pondin wise indicate 0 psf bottom other live loa a rectangle	Cat. left ed; g. ed. ads. 0psf	pro lb d up a dov 5-3 anc 9-3 anc 11- dov 754 17- dov 19- con	vided su lown and at 3-3-4 vn and 6 -4, 967 l i 101 lb -4, 754 l i 155 lb 3-4, 105 vn and 1 i lb dowr 3-4, 754 vn and 9 3-4, on b	ifficient d 11 lb , 754 ll 2 lb up b dowr up at 7 5 lb dowr 01 lb up ottom device	up at 0-10-8, 11 o down and 174 II o at 5-3-4, 754 Ib and 62 Ib up at 7-3-4, 1055 Ib down and 101 Ib up at 11-3-4, 754 Ib dow wn and 15 Ib up p at 13-3-4, 105 01 Ib up at 15-3- <i>n</i> and 101 Ib up at 19-3-4, and 1 chord. The desig (s) is the response	entrated load(s) 355 09 lb down and 230 lb b up at 3-3-4, 965 lb down and 86 lb up at 7-3-4, 754 lb down wn and 183 lb up at t 9-3-4, 1055 lb down wn and 101 lb up at at 13-3-4, 754 lb 5 lb down at 15-3-4, -4, 1055 lb down at at 17-3-4, and 758 lb 1190 lb down at physelection of such
FORCES	(lb) - Maximum Com Tension		8) 9)	All bearings	are assumed to I hanical connection	be SP 240		to	1) De	•	, oof Live	e (balanced): Lum	nber Increase=1.15,
TOP CHORD	1-2=-17162/1602, 2 3-4=-307/24, 4-5=-2	86/46		1 and 68 lb ι	e capable of with: plift at joint 5.			t joint		hiform Lo Vert: 1-:	,	o/ft) 2-4=-70, 1-5=-20)
BOT CHORD WEBS	1-7=-1487/15833, 6- 5-6=-958/16813 2-7=-500/5909, 3-7= 3-5=-17651/1015	-7=-958/16813, =-668/0, 3-6=-39/6212	2,	International R802.10.2 a	designed in acco Residential Cod nd referenced sta rlin representatio	le sections andard AN	s R502.11.1 a NSI/TPI 1.			oncentra	ted Lo	ads (lb)	
	to be connected toge	ther with 10d			ation of the purlin						A	STATE OF M	EW F
Top chords staggered oc, 2x4 - 1 Bottom cho staggered	 (0.131"x3") nails as follows: (0.131"x3") nails as follows: Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc. Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-8-0 oc. Web connected as follows: 2x4 - 1 row at 0-9-0 oc. 									(NUM	HAS ON BER

Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP1 Quality Criteria, and DSB-22 available find 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 195 HT	
B240015	R1	Half Hip Girder	1	2	Job Reference (optional)	163679881

 $\begin{array}{l} \mbox{Vert: 1=-355 (B), 6=-1810 (F=-754, B=-1055),} \\ \mbox{8=-1863 (F=-754, B=-1109), 9=-1719 (F=-754, B=-965), 10=-1721 (F=-754, B=-967), 11=-1809 (F=-754, B=-1055), 12=-1810 (F=-754, B=-1055), 13=-1810 (F=-754, B=-1055), 13=-1817 (F=-758, B=-1059) \end{array}$

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:35 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 2

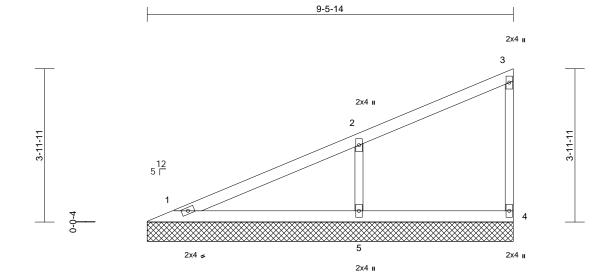
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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	V1	Valley	1	1	Job Reference (optional)	163679882

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Page: 1



9-5-14

Scale = 1:29.9

Loading (psf)	Spacing 2-0-0	csi		DEFL i	n (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 25.0	Plate Grip DOL 1.15	TC		Vert(LL) n/	. ,	n/a	999	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC	0.16	Vert(TL) n/	a -	n/a	999		
BCLL 0.0*	Rep Stress Incr YES	WB		Horiz(TL) 0.0		n/a	n/a		
BCDL 10.0	Code IRC2018/TP	2014 Matrix-S						Weight: 26 lb	FT = 10%
LUMBER TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x3 SPF No.2 OTHERS 2x3 SPF No.2 OTHERS 2x3 SPF No.2 BRACING TOP CHORD Structural wood shea 6-0-0 oc purlins, exc BOT CHORD Rigid ceiling directly bracing. REACTIONS (size) 1=9-5-14, Max Horiz 1=158 (LC Max Uplift 4=-23 (LC	8) Pr be 4 a 9) Th Int Re athing directly applied or pept end verticals. applied or 10-0-0 oc 4=9-5-14, 5=9-5-14 5 5)	vide mechanical connection rring plate capable of withsta nd 129 lb uplift at joint 5. s truss is designed in accord rmational Residential Code s 02.10.2 and referenced stand CASE(S) Standard	ance witl sections I	3 lb uplift at joint h the 2018 R502.11.1 and					
(LC 1) FORCES (Ib) - Maximum Com	pression/Maximum								
Tension									
TOP CHORD 1-2=-123/71, 2-3=-10	06/29, 3-4=-96/39								
BOT CHORD 1-5=-51/39, 4-5=-51/	39								
WEBS 2-5=-370/182									
NOTES									
 Wind: ASCE 7-16; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCI II; Exp C; Enclosed; MWFRS (en cantilever left and right exposed right exposed; Lumber DOL=1.60 Truss designed for wind loads in only. For studs exposed to wind see Standard Industry Gable Enc or consult qualified building desig Gable requires continuous bottor Gable studs spaced at 4-0-0 oc. This truss has been designed for or chord live load nonconcurrent wii * This truss has been designed for on the bottom chord in all areas v 3-06-00 tall by 2-00-00 wide will 1 chord and any other members. All bearings are assumed to be S 	DL=6.0psf; h=25ft; Cat. velope) exterior zone; ; end vertical left and 0 plate grip DOL=1.60 the plane of the truss (normal to the face), d Details as applicable, nner as per ANSI/TPI 1. n chord bearing. • a 10.0 psf bottom th any other live loads. or a live load of 20.0psf where a rectangle fit between the bottom					(STATE OF AND THO JOHN PE-2017	BER 018993

February 19,2024

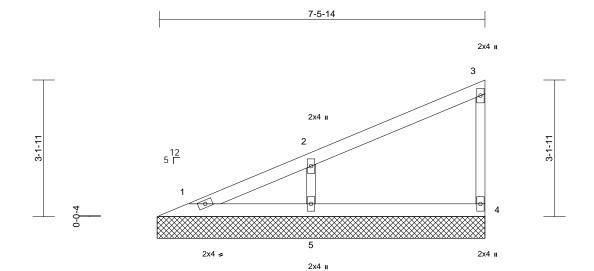


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	V2	Valley	1	1	Job Reference (optional)	163679883

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Page: 1



BOT CHORD

WEBS

OTHERS

BRACING

2x4 SPF

2x3 SPF

2x3 SPF

Scale = 1:26.5			I									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 20 lb	FT = 10%
LUMBER TOP CHORD	2x4 SPF No.2			chanical connec							<u> </u>	

7-5-14

No.2	bearing plate capable of withstanding 26 lb uplift at joi	int
No.2	4 and 102 lb uplift at joint 5.	
No.2	This truss is designed in accordance with the 2018	
No.2	International Residential Code sections R502.11.1 an	d
	R802.10.2 and referenced standard ANSI/TPI 1.	
al wood sheathing directly applied or	LOAD CASE(S) Standard	

TOP CHORD Structural 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 1=7-6-8, 4=7-6-8, 5=7-6-8 Max Horiz 1=122 (LC 5) Max Uplift 4=-26 (LC 8), 5=-102 (LC 8)

Max Grav 1=81 (LC 16), 4=141 (LC 1), 5=384 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=-99/52, 2-3=-92/32, 3-4=-109/44

- BOT CHORD 1-5=-40/30 4-5=-40/30 WEBS 2-5=-299/153 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. 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)



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February 19,2024

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TION

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	V3	Valley	1	1	Job Reference (optional)	163679884

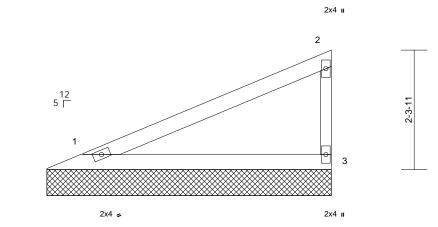
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Wheeler Lumber, Waverly, KS - 66871,

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Scolo	_	1.22	2

Scale = 1:22.2			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/TPI2014	CSI TC BC WB Matrix-P	0.42 0.23 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: 14 lb	GRIP 197/144 FT = 10%
l	2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 Structural wood shea 5-6-8 oc purlins, exit Rigid ceiling directly bracing. (size) 1=5-5-14, Max Horiz 1=86 (LC Max Uplift 1=-31 (LC Max Grav 1=211 (LC	cept end verticals. applied or 10-0-0 oc 3=5-5-14 5) 8), 3=-48 (LC 8)	Internationa R802.10.2 a LOAD CASE(S) d or	designed in accord Residential Code nd referenced stan Standard	sections	R502.11.1 a	Ind					
FORCES TOP CHORD BOT CHORD	(lb) - Maximum Com Tension 1-2=-76/51, 2-3=-16- 1-3=-28/21	pression/Maximum										
Vasd=91m II; Exp C; E cantilever II right expos 2) Truss desi only. For s see Standa or consult of 3) Gable requ 4) Gable stud 5) This truss of the stud 5) This truss on the botto 3-06-00 tall chord and a 7) All bearing: 8) Provide me bearing pla	E 7-16; Vult=115mph ph; TCDL=6.0psf; BC Enclosed; MWFRS (en eft and right exposed sed; Lumber DOL=1.60 igned for wind loads ir studs exposed to wind ard Industry Gable Ene qualified building desig uires continuous bottor is spaced at 4-0-0 oc. has been designed for oad nonconcurrent wi is has been designed for om chord in all areas I by 2-00-00 wide will any other members. s are assumed to be S echanical connection (ate capable of withstar o uplift at joint 3.	DL=6.0psf; h=25ft; C velope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 the plane of the true (normal to the face) d Details as applicab gner as per ANSI/TP n chord bearing. a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle fit between the botto SPF No.2. by others) of truss to	e; d o0 ss le, l 1. ls. psf m						L	4	STATE OF I ANDE THOM PE-2017 NOM PE-2017	AAS SON +

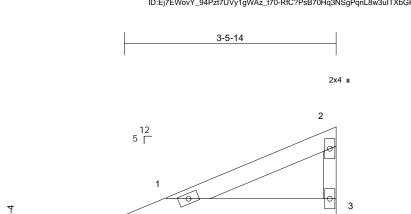




Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	V4	Valley	1	1	Job Reference (optional)	163679885

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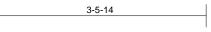
Page: 1



2x4 u

1-5-11





Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 8 lb	FT = 10%

International Residential Code sections R502.11.1 and

9) This truss is designed in accordance with the 2018

R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

2x4 -

Scolo - 1.10

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x3 SPF No.2 WEBS BRACING TOP CHORD Structural wood sheathing directly applied or 3-6-8 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 1=3-5-14, 3=3-5-14 Max Horiz 1=49 (LC 5) Max Uplift 1=-18 (LC 8), 3=-27 (LC 8) Max Grav 1=121 (LC 1), 3=121 (LC 1)

FORCES (b) - Maximum Compression/Maximum Tension TOP CHORD 1-2=-44/29, 2-3=-94/44 BOT CHORD 1-3=-16/12

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) Gable requires continuous bottom chord bearing.
- 4) Gable studs spaced at 2-0-0 oc.
- 5) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.
 * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom
- chord and any other members.7) All bearings are assumed to be SPF No.

7) All bearings are assumed to be SPF No.2.
8) Provide mechanical connection (by others)

B) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1 and 27 lb uplift at joint 3.

ANDREW THOMAS JOINSON TO PE-2017018993

February 19,2024

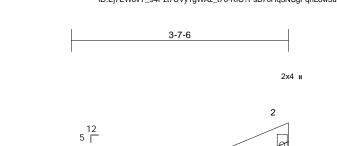


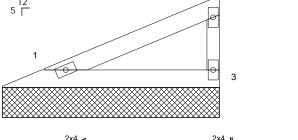
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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	V5	Valley	1	1	Job Reference (optional)	163679886

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Page: 1





1-6-5

3-7-6	

Scale = 1:19.2			I					I				
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 8 lb	FT = 10%
LUMBER	LUMBER 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

LUMBER
TOP CHORD

BOT CHORD 2x4 SPF No.2 2x3 SPF No.2 WEBS BRACING TOP CHORD Structural wood sheathing directly applied or 3-8-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 1=3-7-6, 3=3-7-6 Max Horiz 1=52 (LC 5) Max Uplift 1=-18 (LC 8), 3=-29 (LC 8) Max Grav 1=126 (LC 1), 3=126 (LC 1) FORCES (Ib) - Maximum Compression/Maximum

2x4 SPF No.2

Tension TOP CHORD 1-2=-46/30, 2-3=-98/46 BOT CHORD 1-3=-17/13

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) 4)
- Gable studs spaced at 2-0-0 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. All bearings are assumed to be SPF No.2 . 7)

8)

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1 and 29 lb uplift at joint 3.

OF MISSO TE ANDREW THOMAS JOHNSON NUMBER PE-2017018993 SSIONAL E February 19,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	V6	Valley	1	1	Job Reference (optional)	163679887

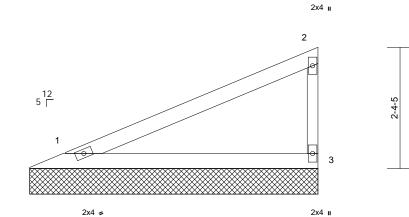
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Scale	=	1:22.4

Scale = 1.22.4	+											
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.44	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 14 lb	FT = 10%
LUMBER			9) This truss is	designed in accor	rdance w	ith the 2018						
TOP CHORD	2x4 SPF No.2			Residential Code			nd					
BOT CHORD	2x4 SPF No.2			nd referenced star	ndard AN	ISI/TPI 1.						
WEBS	2x3 SPF No.2		LOAD CASE(S)	Standard								
BRACING												
TOP CHORD			ed or									
	5-8-0 oc purlins, ex											
BOT CHORD	 Rigid ceiling directly bracing. 	applied or 10-0-0 o	С									
REACTIONS	0	3=5-7-6										
	Max Horiz 1=88 (LC	7)										
	Max Uplift 1=-32 (LC											
	Max Grav 1=216 (L0											
FORCES	(lb) - Maximum Corr	pression/Maximum										
	Tension	0/70										
TOP CHORD BOT CHORD	,	8/78										
	1-3=-29/22											
NOTES	CE 7-16; Vult=115mph	(2 second quist)										
	mph; TCDL=6.0psf; BC		Cat									
II: Exp C:	; Enclosed; MWFRS (er	nvelope) exterior zoi	ne:									
cantileve	r left and right exposed	; end vertical left an	d									
	osed; Lumber DOL=1.6											
	esigned for wind loads in											The second second
	r studs exposed to wind										ATE OF I	ALCON D
	dard Industry Gable En It qualified building desi									6	AFE	1155
	quires continuous botto		PT 1.							6	A.M.	N.S.
	uds spaced at 4-0-0 oc.	in chora bearing.								R	S ANDE	EW VEN
	s has been designed fo	r a 10.0 psf bottom								A	THO	MAS Y
	e load nonconcurrent wi		ds.						/	12 ★	JOHN	SON X
6) * This tru	ss has been designed f	or a live load of 20.0	Opsf							8	In ind	is unit
	ottom chord in all areas									X	NUM	REP OCA
	all by 2-00-00 wide will	fit between the botto	om							27	DE 2017	018993
	d any other members.									S	PE-2017	018995
	ngs are assumed to be some to be some chanical connection		0							Y	100	IN B
	plate capable of withstar										UNIONIA	TENA
	Ib uplift at joint 3.										PE-2017	- ST
	,,.										Echruce	/ 19,2024
											rebluary	13,2024

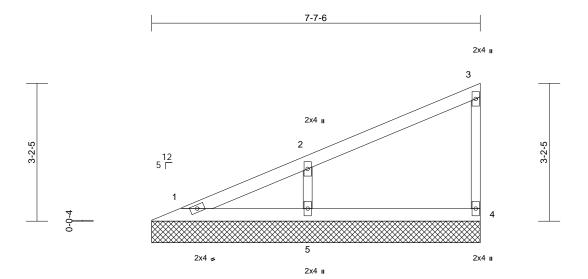
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	V7	Valley	1	1	Job Reference (optional)	163679888

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:37 ID:Ej7EWovY_94Pzt7UVy1gWAz_t70-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



7-7-6

Scale	=	1:26.7

PLATES GRIP										
MT20 197/144										
9										
a										
Weight: 20 lb FT = 10%										
ADDED										
OF MIG										
BAR MISSON										
ANDREW THOMAS										
SY ANDREW Y										
or consult qualified building designer as per ANSI/TPI 1.										
\star JOHNSON \star										
hutburn										

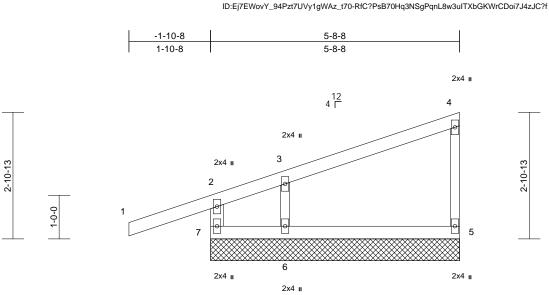
- 5) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.
 6) * This truss has been designed for a live load of 20.0psf
- on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any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

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RELEASE OR CONSTRUCTION AS NOTED ON LANS REVIEW DEVELORMENT: SERVICES LEE'S'SUMMIT: MISSOURI 03/12/2024 12:22:40

Job	Truss	Truss Type	Qty	Ply	Lot 195 HT	
B240015	V8	Valley	1	1	Job Reference (optional)	163679889



5-8-8

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Fri Feb 16 08:46:37

Scale = 1:26.4		i			· •								
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.03	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-R							Weight: 19 lb	FT = 10%
	2x4 SPF No.2 2x4 SPF No.2 *Exce 2x3 SPF No.2 *Exce 2x3 SPF No.2 Structural wood she 5-8-8 oc purlins, ex Rigid ceiling directly bracing. (size) 5=5-8-8, (Max Horiz 7=124 (LC Max Uplift 5=-28 (LC (LC 4)) Max Grav 5=153 (LC (LC 1))	athing directly applie cept end verticals. applied or 10-0-0 or 6=5-8-8, 7=5-8-8 C 5) C 4), 6=-76 (LC 8), 7	8) 9) c 10 c 10 L(on the botton 3-06-00 tall li chord and an All bearings Provide mec bearing plate 7, 28 lb uplif D) This truss is International	as been desig n chord in all a by 2-00-00 wide y other membh are assumed to hanical connect e capable of witt at joint 5 and 1 designed in ac Residential aC nd referenced s Standard	reas where e will fit betw ers. b be SPF No tition (by oth hstanding 1 76 lb uplift a cordance wi ode sections	a rectangle veen the bott 0.2 . ers) of truss t 02 lb uplift at t joint 6. ith the 2018 R502.11.1 a	to t joint					
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	2-7=-223/102, 1-2=0 3-4=-81/19, 4-5=-11												
BOT CHORD	6-7=-35/25, 5-6=-35	/25											
WEBS	3-6=-183/115												
NOTES													
Vasd=91m	CE 7-16; Vult=115mph hph; TCDL=6.0psf; BC Enclosed: MWERS (er	DL=6.0psf; h=25ft; (OF	

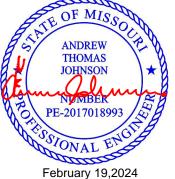
II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

- Truss designed for wind loads in the plane of the truss 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.
- 4) Truss to be fully sheathed from one face or securely
- braced against lateral movement (i.e. diagonal web).

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

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

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Page: 1



			-		-		-			
Job	Truss		Truss Type		Qty	Ply	Lot 195 H	IT		100070000
B240015	V9		Valley		1	1	Job Refe	ence (optional)		163679890
Wheeler Lumber, Waverly, K	S - 66871,		•	Run: 8.73 S Feb 6 2			6 2024 MiTek	Industries, Inc. Fr	i Feb 16 08:46:37	Page: 1
				ID:Ej7EWovY_94Pzt7	'UVy1gWAz	z_t70-RfC?P	sB70Hq3NSgI	PqnL8w3ulTXbGk	WrCDoi7J4zJC?f	
				6-1	1-12					
								2x4 u		
								2		
-								~		
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			4 T							
	2-0-13		4	_					2-0-13	
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		-0								
				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~	~~~~~	********	******		
			2	x4 =				2x4 u		
				6-	1-12					
Scale = 1:21.3										
Loading	(psf)	Spacing	2-0-0	CSI	DEF	ïL	in (loc)	l/defl L/d	PLATES	GRIP
TCLL (roof) TCDL	25.0 10.0	Plate Grip DOL Lumber DOL	1.15 1.15		.51 Vert .28 Vert	. ,	n/a - n/a -	n/a 999 n/a 999	MT20	197/144
BCLL	0.0*	Rep Stress Incr	YES			. ,	0.00 3			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P					Weight: 15 lb	FT = 10%
LUMBER TOP CHORD 2x4 SPF	No 2			designed in accordance Residential Code sect						
BOT CHORD 2x4 SPF				nd referenced standard						
WEBS 2x3 SPF BRACING	No.2		LOAD CASE(S)	Standard						
TOP CHORD Structura		athing directly applie	d or							
		cept end verticals. applied or 10-0-0 oc								
bracing.										
REACTIONS (size) Max Horiz	1=6-1-12 1=77 (LC	, 3=6-1-12 5)								
Max Uplift	1=-38 (LC	C 4), 3=-49 (LC 8)								
		C 1), 3=232 (LC 1) pression/Maximum								
Top CHORD 1-2=-68/	46, 2-3=-18									
BOT CHORD 1-3=-25/ NOTES	19									
1) Wind: ASCE 7-16; V			N-4							
Vasd=91mph; TCDL II; Exp C; Enclosed;	MWFRS (er	nvelope) exterior zon	e;							
cantilever left and rig right exposed; Lumb										
2) Truss designed for v	vind loads i	n the plane of the true	SS							m
only. For studs expo see Standard Industr									OF I	MISC
or consult qualified b	uilding desi	gner as per ANSI/TP						A	TATE OF I	A Joe
<ol> <li>Gable requires contin</li> <li>Gable studs spaced</li> </ol>	at 4-0-0 oc.	-						A		
5) This truss has been	designed fo	r a 10.0 psf bottom						K.	THO	AAS

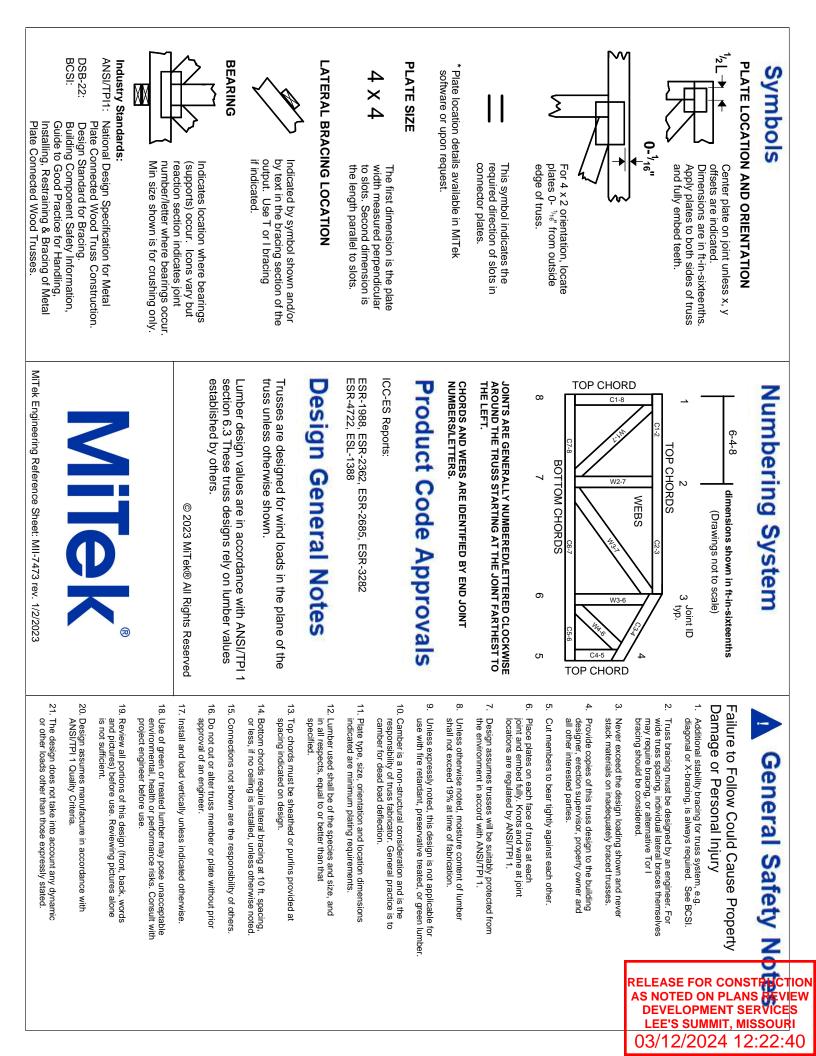
- This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf 6)
- on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. All bearings are assumed to be SPF No.2 . 7)

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 8) 1 and 49 lb uplift at joint 3.

NUMBER PE-2. PE-2017018993 CL February 19,2024 R CONSTRUCTION

DEVELORMEN SERVICES LEE'S' SUMMIT'S MISSOURI 03/12/2024 12:22:40

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03/12/2024