

RE: B240016 Lot 175 WO MiTek, Inc. 16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200

Site Information:Customer: Summit HomesProject Name: B240016Lot/Block: 175Model: CharlestonAddress: 2087 NW O'Brien RdSubdivision: WoodCity: Lee's SummitState: MO

Model: Charleston - Modern Farmhouse Subdivision: Woodside Ridge State: MO

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

Design Code: IRC2018/TPI2014 Wind Code: ASCE 7 - 16[Low Rise] Roof Load: 45.0 psf Design Program: MiTek 20/20 8.7 Wind Speed: 115 mph Floor Load: N/A psf

This package includes 48 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	163738421	A1	2/21/2024	21	163738441	E2	2/21/2024
2	163738422	A2	2/21/2024	22	163738442	F1	2/21/2024
3	163738423	A3	2/21/2024	23	163738443	F2	2/21/2024
4	163738424	B1	2/21/2024	24	163738444	F3	2/21/2024
5	163738425	B2	2/21/2024	25	163738445	J1	2/21/2024
6	163738426	C1	2/21/2024	26	163738446	J2	2/21/2024
7	163738427	C2	2/21/2024	27	163738447	J3	2/21/2024
8	163738428	C3	2/21/2024	28	163738448	J4	2/21/2024
9	163738429	C4	2/21/2024	29	163738449	J5	2/21/2024
10	163738430	C5	2/21/2024	30	163738450	J6	2/21/2024
11	163738431	C6	2/21/2024	31	163738451	J7	2/21/2024
12	163738432	D1	2/21/2024	32	163738452	J8	2/21/2024
13	163738433	D2	2/21/2024	33	163738453	J9	2/21/2024
14	163738434	D3	2/21/2024	34	163738454	J10	2/21/2024
15	163738435	D4	2/21/2024	35	163738455	J11	2/21/2024
16	163738436	D5	2/21/2024	36	163738456	K1	2/21/2024
17	163738437	D6	2/21/2024	37	163738457	K2	2/21/2024
18	163738438	D7	2/21/2024	38	163738458	K3	2/21/2024
19	163738439	D8	2/21/2024	39	163738459	LAY1	2/21/2024
20	163738440	E1	2/21/2024	40	163738460	R1	2/21/2024

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

based on the parameters provided by Wheeler - Waverly.

Truss Design Engineer's Name: Nathan Fox

My license renewal date for the state of Missouri is December 31, 2024. Missouri COA: 001193

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





RE: B240016 - Lot 175 WO

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

Site Information:

 Project Customer: Summit Homes
 Project Name: B240016

 Lot/Block: 175
 Subdivision: Woodside Ridge

 Address: 2087 NW O'Brien Rd
 State: MO

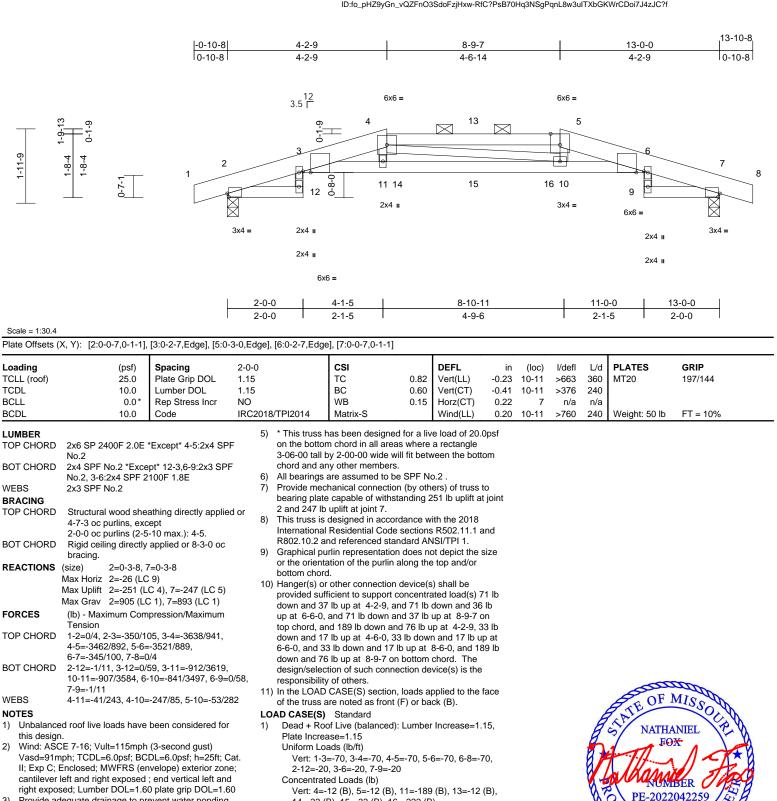
 City, County:
 Lee's Summit

 No.
 Seal#

INO.	Ocai#	Truss Name	Date
41	163738461	V1	2/21/2024
42	163738462	V2	2/21/2024
43	163738463	V3	2/21/2024
44	163738464	V4	2/21/2024
45	163738465	V5	2/21/2024
46	163738466	V6	2/21/2024
47	163738467	V7	2/21/2024
48	163738468	V8	2/21/2024

Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	A1	Hip Girder	1	1	Job Reference (optional)	163738421

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:44 ID:fo_pHZ9yGn_vQZFnO3SdoFzjHxw-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



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

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

14=-33 (B), 15=-33 (B), 16=-222 (B)



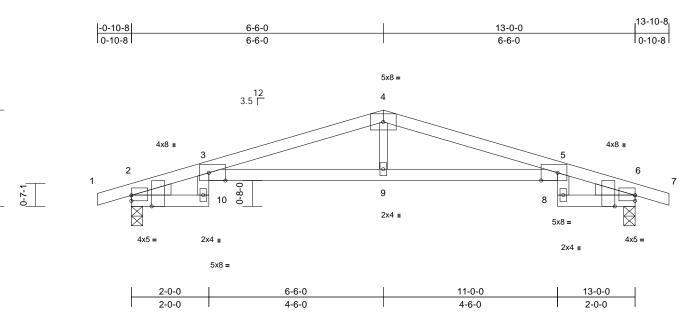
February 21,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	A2	Roof Special	2	1	Job Reference (optional)	163738422

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:46 ID:nfvsr4LQAuL?Adkc8fCcnwzjHwO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:29.7

2-5-13

Plate Offsets (X, Y): [2:Edge,0-1-11], [2:0-3-7,Edge], [3:0-5-2,Edge], [5:0-5-2,Edge], [6:Edge,0-1-11], [6:0-3-7,Edge]

Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.31	3-9	>495	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.56	3-9	>272	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.46	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.22	3-9	>680	240	Weight: 37 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE		E	bearing pla 2 and 127 7) This truss Internation	echanical connection the capable of withs b uplift at joint 6. s designed in acco al Residential Code	standing 1 ordance w e sections	27 Ib uplift a ith the 2018 8 R502.11.1 a	t joint					
	Right: 2x4 SPF No.2	2		and referenced sta	andard AN	ISI/TPI 1.						
BRACING			LOAD CASE(S	5) Standard								
TOP CHORD		athing directly applie	ed or									
BOT CHORD	2-2-0 oc purlins.Rigid ceiling directly bracing.	applied or 2-2-0 oc										
REACTIONS	0	6=0-3-8										
	Max Horiz 2=38 (LC											
	Max Uplift 2=-127 (L	.C 4), 6=-127 (LC 5)										
	Max Grav 2=643 (L0											
FORCES	(lb) - Maximum Corr	pression/Maximum										
	Tension											
TOP CHORD	1-2=-2/0, 2-3=-310/5 4-5=-1489/166, 5-6=											
BOT CHORD			9,									
	5-9=-116/1429, 5-8=	=0/109, 6-8=-1/30										
WEBS	4-9=0/256											
NOTES											- COL	ADD
 Unbalance this designed 	ced roof live loads have gn.	been considered fo	r								THE OF I	MISS
	CE 7-16; Vult=115mph									4	A	N.S.
	mph; TCDL=6.0psf; BC									A	S NATHA	NIEL
	; Enclosed; MWFRS (er									-Ha	/ AFO	
	r left and right exposed osed; Lumber DOL=1.6										1 H	1 MARK
	s has been designed fo		00							MI	Mh.	
	e load nonconcurrent wi		ds.							121-	VLAM	AN INCOM
	ss has been designed f									W7	y y vur	
,	ttom chord in all areas									N.	ON PE-2022	042259 / ASH

1 his truss has been designed for a live load of 20.0ps on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

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

February 21,2024

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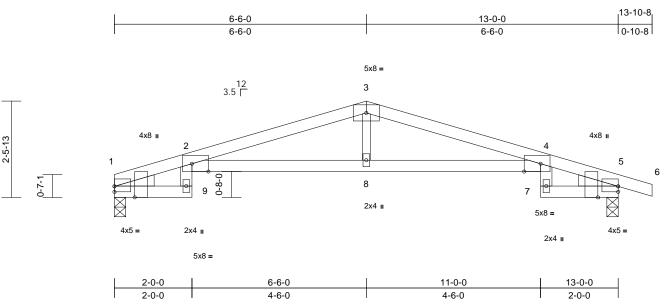


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Page: 1

Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	A3	Roof Special	2	1	Job Reference (optional)	163738423

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Scale = 1:29.7

Plate Offsets (X, Y): [1:Edge,0-1-11], [1:0-3-7,Edge], [2:0-5-2,Edge], [4:0-5-2,Edge], [5:Edge,0-1-11], [5:0-3-7,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 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.97 0.99 0.08	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.32 -0.58 0.48 0.24	(loc) 2-8 2-8 5 2-8	l/defl >476 >264 n/a >641	L/d 360 240 n/a 240	PLATES MT20 Weight: 36 lb	GRIP 197/144 FT = 10%
LUMBER6)ProvideTOP CHORD2x4 SPF 2100F 1.8EbearingBOT CHORD2x4 SPF No.25 and 8WEBS2x3 SPF No.27)This truWEDGELeft: 2x4 SPF No.2InternationalInternational				chanical connect e capable of wi uplift at joint 1. designed in act I Residential Co and referenced	thstanding 1 cordance worde sections	ers) of truss 27 lb uplift a th the 2018 R502.11.1	to at joint					
BRACING LOAD CAS TOP CHORD Structural wood sheathing directly applied. BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. REACTIONS (size) 1=0-3-8 5=0-3-8) Standard								

- REACTIONS
 (size)
 1=0-3-8, 5=0-3-8

 Max Horiz
 1=39 (LC 8)
 Max Uplift
 1=-82 (LC 4), 5=-127 (LC 5)

 Max Grav
 1=569 (LC 1), 5=646 (LC 1)
 1-569 (LC 1), 5=646 (LC 1)

 FORCES
 (lb) Maximum Compression/Maximum Tension

 TOP CHORD
 1-2=-302/58, 2-3=-1505/164, 3-4=-1506/175, 4-5=-311/52, 5-6=-2/0

 BOT CHORD
 1-9=-3/27, 2-9=-4/100, 2-8=-125/1445,
- 4-8=-126/1445, 4-7=0/109, 5-7=-1/30 WEBS 3-8=0/257

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



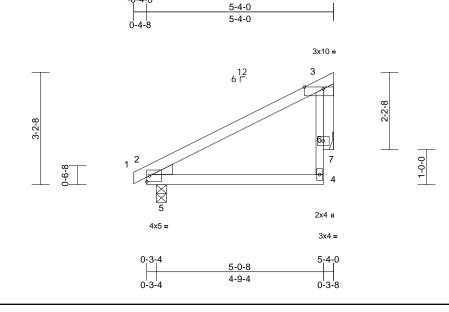
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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	B1	MONOPITCH	7	1	Job Reference (optional)	163738424

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Scale = 1:32.9

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

	(/,, /). [0:0 0 0,2090]	r		-					_			
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	-0.01	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	-0.03	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 18 lb	FT = 10%
LUMBER TOP CHORD			Ínternation	is designed in acc nal Residential Coo and referenced si	de sections	R502.11.1	and					
BOT CHORD WEBS	2x4 SPF No.2 2x3 SPF No.2		LOAD CASE(lanuaru An	NOI/TELT.						
OTHERS	2x3 SPF N0.2 2x4 SPF No.2		LUAD CASE(Standard								
WEDGE	Left: 2x4 SP No.3											
BRACING												
TOP CHORD	Structural wood she	athing directly appli	ed or									
	5-4-0 oc purlins, ex											
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	IC .									
REACTIONS	(size) 5=0-3-8, Max Horiz 5=92 (LC Max Uplift 5=-28 (LC											
	Max Grav 5=286 (L0	C 1), 7=185 (LC 1)										
FORCES	(lb) - Maximum Com Tension	npression/Maximum										
TOP CHORD	1-2=-3/0, 2-3=-180/0	0, 4-6=0/94, 3-6=-15	51/125									
BOT CHORD		87										
WEBS	3-7=-52/11											
NOTES												
	CE 7-16; Vult=115mph											
	nph; TCDL=6.0psf; BC										SUCC	and
	Enclosed; MWFRS (er left and right exposed										TATE OF	MISO
	sed; Lumber DOL=1.6									1	950	W.OS
	has been designed fo									8	NATH	ANITEI
	load nonconcurrent w		ids.							R	FC	
	ss has been designed f		0psf							70 -		
	ttom chord in all areas									an	FIN	1 Lon
	all by 2-00-00 wide will	fit between the botto	om							XL	Alkand	al States
	d any other members. gs are assumed to be 3	SPE No 2								100		BER OF
	girder(s) for truss to trus									N.	OX PE-2022	2042259
	nechanical connection		to							Ŷ	A.	158
	late capable of withsta									6	C'SSIONA	FNUE
5 and 63	lb uplift at joint 7.										O'NA	IL L'A
											all	24 2024
											E o b m · o m	N 04 0004

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

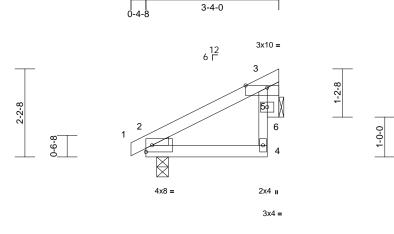
February 21,2024

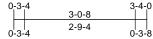
Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	B2	Monopitch	6	1	Job Reference (optional)	163738425

3-4-0

Wheeler Lumber, Waverly, KS - 66871,

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:47 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





Scale = 1:28.9

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

Loading (pf) (pf) (pf) (pf) (pf) (pf) (pf) (pf)												-	
TCLL (mon) 25.0 Piete Grip DOL 1.15 TC 0.11 Per(LL) 0.00 2-4 -999 360 MT20 197/144 BCL 10.0 Code IRC2018/TP12014 WB 0.00 Yer(CT) 0.00 2-4 -999 360 MT20 197/144 BCL 10.0 Code IRC2018/TP12014 Watrix-R Wind(LL) 0.00 2-4 -999 360 Mt20 197/144 BCDL 10.0 Code IRC2018/TP12014 Wind(LL) 0.00 2-4 -999 240 Weight: 11 lb FT = 10% UMBER 7 This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R602.10.2 and referenced standard ANSUTP1 1. LOAD CASE(S) Standard TOP CHORD Structrual wood sheathing directly applied or 10-0-0 comaring. Standard Pieter Standard Standard Pieter Standard PieterStandard Pieter Standard Pieter Stan	Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCDL 10.0 Imper DOL 1.15 BC 0.00 VericTi 0.00 2-4 >999 240 BCDL 10.0 Rep Stress Incr YES WB 0.00 Hora(CT) 0.00 2-4 >999 240 Weight: 11 lb FT = 10% LUMBER TOP CHORD 2-4 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 ANSUTP1 1. LOAD CASE(S) Standard VEDSE Lett: 2x3 SPF No.2 PRACING Standard Standard Standard BOT CHORD Structural wood sheathing directly applied or 10-0-0 c Top CHORD Standard Standard Standard TOP CHORD Structural wood sheathing directly applied or 10-0-0 c Tomacing. REACING Standard Standard Max Upit 2-=2.2 (LC 8), 6=-37 (LC 8), Maximum Teresion Top CHORD 12-2-30, 2-3-1180, 0, 45-0(60, 3-5-6-90/54 Standard Standard Standard Standard VBT Vasda-91mph, ToDL=&0.0ef, BCDL=&0.0ef, h=25fr, Cat. It, Exp.C Cholsed, MWRRS (kervelope) extentior zone, candiever lett and right exposed : and vertical left and right exposed : and vertical left and right exposed : and vertical left and	•					0.11						MT20	197/144
BCDL 10.0 Code IRC2018/TPI2014 Matrix-R Wind(LL) 0.00 2.4 >999 240 Weight: 11 lb FT = 10% LUMBER TOP CHORD 2x4 SPF No 2 7 This truss is designed in accordance with the 2018 Intornational Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 7 This truss is designed for accordance with the 2018 Intornational Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. LOAD CASE(S) Standard BACING TOP CHORD Structural wood sheathing directly applied or 3-40 oc putins, except end verticals. 7 This truss is designed for another the 2018 Intornational Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. DAD CASE(S) Standard Standard Standard BACING TOP CHORD Max Upilit 2=-22 (LC 8), 6=-37 (LC 8) Max Upilit 2=-22 (LC 8), 0=-36/54 BOT CHORD 2-4=-20/58, ECDL-6.0pst, h=251; Cat. II; Exp C. Cholesd, MWRR S(revelope) exterior zone; cantiever left and right exposed; end vertical left and right exposed; Lumber DOL-1.60 plst glowed for a 10.0 pst bottom chord and any other members. NatHaNEL NatHaNEL 10 Wind XLD Albearings are assumed to be SPF No.2. FDC PL-2022042225 (LC 0 MAX PL-2022042225 (LC 0 MAX PL-2022042225 (LC 0 MAX PL-2022042225 (LC 0 MAX	TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	0.00	2-4	>999	240		
 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 UPC CHORD Structural wood sheathing directly applied or 3-4-0 cc purifies, except end verticals. BOT CHORD Structural wood sheathing directly applied or 3-4-0 cc purifies, except end verticals. BOT CHORD Structural wood sheathing directly applied or 3-4-0 cc purifies, except end verticals. BOT CHORD Structural wood sheathing directly applied or 3-4-0 cc purifies, except end verticals. BOT CHORD Structural wood sheathing directly applied or 3-4-0 cc purifies, except end verticals. BOT CHORD Structural wood sheathing directly applied or 3-4-0 cc purifies, except end verticals. BOT CHORD 2-0-3-8, 6= Mechanical Max Horiz 2-56 (LC 5) Max Grav 2=179 (LC 1), 6=-109 (LC 1) FORCES (b) - Maximum Compression/Maximum ToP CHORD 1-28-30, 2-3-1180, 4-5=0/60, 3-5=-69/54 BOT CHORD 2-48-20/9 WEBS 3-68-22/0 Nortes 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) vasad=firmpt: TCDL=6.0pd; h=26fi; Cat. It Erg C; Enclosed; IMWFRS (envelope) exterior zone: cantiliver left and right exposed : end vertical left and right exposed; Limber DOL=1 60 pits gip DOL=1 60 2) This truss has been designed for a 10.0 pit botom chord and any other rimembers. 4) All bearings are assumed to be SPF No.2. 4) All bearings are assumed to be SPF No.2. 4) Ref to gind(rel(s) for truss to truss connections. 4) All bearings are assumed to be SPF No.2. 6) Ref to gind(rel(s) for truss to truss connections. 5) This truss has been designed for a 1.00 pit botom chord and any other members. 4) All bearings are assumed to be SPF No.2. 6) Refer to gind(rel(s) for truss to truss connections. 6) Refer to gind(rel(s) for truss to truss connections. 6) Refer to	BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	6	n/a	n/a		
TOP CHORD 2x4 SPF No.2 International Residential Code sections R502.11.1 and R802.10.1 and R802.10.1 and R802.10.2 and referenced standard ANSI/TPI 1. WEBS 2x3 SPF No.2 LOAD CASE(S) Standard UPDGE Left: 2x3 SPF No.2 LOAD CASE(S) Standard BRACING Structural wood sheathing directly applied or 3-4-0 oc purlins, except end verticals. Structural wood sheathing directly applied or 10-0-0 oc bracing. REACTIONS (size) 2-0-3-8, 6= Mechanical Max to 2-3-6 (sc 6) Max firming 2-20 (sc 7), 6=-37 (LC 8) Max (mum Compression/Maximum Compressind and and rinthe topos di col voprino concertant with a	BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	2-4	>999	240	Weight: 11 lb	FT = 10%
BOT CHORD 2x4 SPF No.2 WEDS 2x3 SPF No.2 UAD CASE(S) Standard WEDS 2x3 SPF No.2 UAD CASE(S) Standard WEDGE Left: 2x3 SPF No.2 WEDGE Left: 2x3 SPF No.2 WEDGE Left: 2x3 SPF No.2 WEDGE Structural wood sheathing directly applied or 3x4-0 co purifies, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 c bracing. REACTIONS (size) 2-0-3x 6 Mechanical Max Horit: 2-56 (LC 5) Max Grav 2=179 (LC 1), 6=109 (LC 1) FORCES (b) - Maximum Compression/Maximum Tension TOP CHORD 1:2=-30, 2-3s-1180, 4-5=0/60, 3-5=-69/54 BOT CHORD 2:4=-2005 WEBS 3-6=-22/0 NOTES 1) Wind: ASCE 7-16; Vull=115mph (3-second gust) Vasd=3-finph; TCDL=6.0psf. BCDL=6.0psf, h=25t; Cat. I; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; due Viero laid for bottom chord and any other imembers. 3) "This truss has been designed for a 10-0 paf bottom chord and any other imembers. 4) All bearings are assumed to be SPF No.2.	LUMBER			7) This truss i	s designed in acc	ordance w	ith the 2018						
WEBS 2x3 SPF No.2 LOAD CASE(S) Standard OTHERS 2x4 SPF No.2 WEDCE Left: 2x3 SPF No.2 BRACING TOP CHORD Structural wood sheathing directly applied or 3-40 oc putins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 2-0-3-8, 6 = Mechanical Max Horiz 2=56 (LC 5) Max Upit 2=-22 (LC 8), 6=-37 (LC 8), 6=-37 (LC 8), 6=-37 (LC 8) Max Grav 2=179 (LC 1), 6=-109 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=-30, 2-3-118/0, 4-5=-0/60, 3-5=-69/54 BOT CHORD 2-4=-20/59 WEBS 3-68-22/0 NOTES 1) Wind: ASCE 7-16; Vul=115mph (3-second gust) Vaad=91mph; TCDL=6, 0pf; BCDL=6, 0pf; h=25f; Cat. II; I; Exp C; Enclosed; MWFRS (envelope) extenior zone; cantilevel fett and right exposed; cumber DoL=1.60 pits proble of ta ol op 10 pits ton chord in all areas where a rectangle 3-366-0121 by 2-30-00 ubdie will fit between the bottom chord in all areas where a rectangle 3-366-0121 by 2-30-00 ubdie will fit between the bottom chord any other members. I NATHAINEL FOR 2. 4) All bearings are assumed to be SPF No.2. E-2020202235 E-202042235 E-202042235 5) Refer tografer(s) for trutus to trus connections. E-2020202235 E-202042235 E-202042235	TOP CHORD	2x4 SPF No.2		Internation	al Residential Coc	de sections	R502.11.1 a	nd					
OTHERS 2x4 SPF No.2 WEDGE Left: 2x3 SPF No.2 BRACING TOP CHORD TOP CHORD Structural wood sheathing directly applied or 0.4-0 oc bracing. REACTIONS (size) 2-0-3.8, 6= Mechanical Max Horiz 2-e56 (LC 5) Max Uplit 2-2179 (LC 1), 6=109 (LC 1) FORCES (b) - Maximum Compression/Maximum TOP CHORD 1-2-3.0, 2-3=-118/0, 4-5=0/60, 3-5=-69/54 BOT CHORD 1-2-4-3.0, 2-3=-118/0, 4-5=0/60, 3-5=-69/54 BOT CHORD 1-2-4-2.00 Notes 3-6-22/0 NOTES 10 1) Wind: ASCE 7-16; Vul=115mph (3-second gust) Nation the odd nonconcurrent with any other live loads 2) This truss has been designed for a 10.0 pet botiom chord in all areas wh						tandard AN	ISI/TPI 1.						
WEDE Left: 2x3 SPF No.2 BRACIMG TOP CHORD Structural wood sheathing directly applied or 3-4.0 oc purins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTION: (Size) 2-0-3-8, 6.e Mechanical Max Horiz 2=56 (LC 5) Max Upilit Max Grav 2=179 (LC 1), 6-6-37 (LC 8) Max Grav 0.e (Lo 8), 6-37 (LC 8) Max Grav 0.e (Lo 8), 6-37 (LC 8) Max Grav Max Grav 2=179 (LC 1), 6-109 (LC 1) 0.e (Lo 8), 6-37 (LC 8) Max Grav 0.e (Lo 8), 6-37 (LC 8) Max Grav TOP CHORD 1-2-30, 2-3-118/0, 4-5=0/60, 3-5=-69/54 0.e (Lo 8), 6-37 (LC 8) Max Grav 0.e (Lo 8), 6-37 (LC 8) VEES 3-6-2.0 - - - - NOTES - - - - 1) Wind: ASCE 7-16; Vul=115mph (3-second gus) Vasd=91mph; TCDL=6.0ps; BCDL=6.0ps; h=25f; Cat, th; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; en vertical left and right exposed; Lumber DOL=1.60 ps bottom chord live load nonconcurrent with any other live load of 2.0.0pf on the bottom chord in all areas where a rectangle 3-06-0 tott by 2-0-00 voide will fit between the bottom chord and any other live load of 2.0.0pf on the bottom chord in all areas where a rectangle 3-06-0 tott by 2-0-00 voide will fit between the bottom chord and any other live load of 2.0.0pf on the bottom chord in all areas where a rectangle 3-06-0 tott by 2-0-00				LOAD CASE(S	 Standard 								
BRACING TOP CHORD Structure workshing directly applied or 3-4-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling-directly applied or 10-0-0 oc bracing. REACTIONS (size) 2=0-3-8, 6= Mechanical Max Horiz Max Upilit 2=66 (LC 5) Max Grav 2=737 (LC 8) E-22 (LC 8), 6=-37 (LC 8) Max Grav Max Upilit 2=0-01, 6=-037 (LC 10) Max Grav 2=179 (LC 1), 6=-109 (LC 1) Max Grav FORCES (b) - Maximum Compression/Maximum Tension TOP CHORD 1-2=-30, 2-3=-118/0, 4-5=0/60, 3-5=-69/54 BOT CHORD 2-4210K Vista SEC T-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0pef; BCDL=6.0pef; h=-25f; Cat. Nature leit and right exposed; end vertical left and right exposed; Lumber SC (see leging DOL=1.60) 1 Nint: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0pef; BCDL=6.0pef; h=-25f; Cat. Nature leit and right exposed; end vertical left and right exposed; Lumber SC (see leging DOL=1.60) 2) This trues has been designed for a 10.0 pst botom chord live load nonconcurrent with any other live loads. 3) 'This trues has been designed for a 10.0 pst botom chord live load nonconcurrent with any other live loads. 4) All bearings are assumed to bots PF No.2. 5) Nation giver (s) for trues to to be SFF No.2. 6) Nation giver(s) for truss to to be SFF No.2. <td></td>													
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 bracing. Bracing. REACTIONS (size) 2=0-3-8, 6= Mechanical Max Horiz 2=56 (LC 5) Max Uplift 2=-22 (LC 8), 6=-37 (LC 8) Max Grav 2=179 (LC 1), 6=109 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1:2=-3/0, 2:3=-118/0, 4:5=0/60, 3:5=-69/54 BOT CHORD 2:4==:20/59 WEBS 3:6=:22/0 NOTES 1) Wind: ASCE 7-16; Vult=115mph (3:second gust) Vasd=91mph; TCDL=6.0psf; h=25f; Cat. II: Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; cumber DOL=1.60 plate grip DOL=1.60 2) This truss has been designed for a 10.0 paf bottom chord live load on 20.0 paf bottom chord in lareas 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. 				C									
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 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. 		CE 7-16; Vult=115mph	(3-second gust)										
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 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. 												AOF	MIG
 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. 												8 TE	-105°0.
 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. 				60							A	N	New
 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. 				de							H	S/ MAIL	
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. 9) PE-2022042259										•	N/A	FO	X
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. () PE-2022042259 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)											W1	H	1 1 1 1
 4) All bearings are assumed to be SPF No.2. 5) Refer to girder(s) for truss to truss connections. 6) PE-2022042259 (3) 			fit between the botto	om							N P	Alla	VI TAA
5) Refer to girder(s) for truss to truss connections.											MM	X Y YMM	PER CASTR
											N	ON PE-2022	042259 28
bearing plate capable of withstanding 22 lb uplift at joint 2 and 37 lb uplift at joint 6.				0							V	12	18A
2 and 37 lb uplift at joint 6.												-12° A	TNOB
			5 <u>5</u>									UNA NA	L D'

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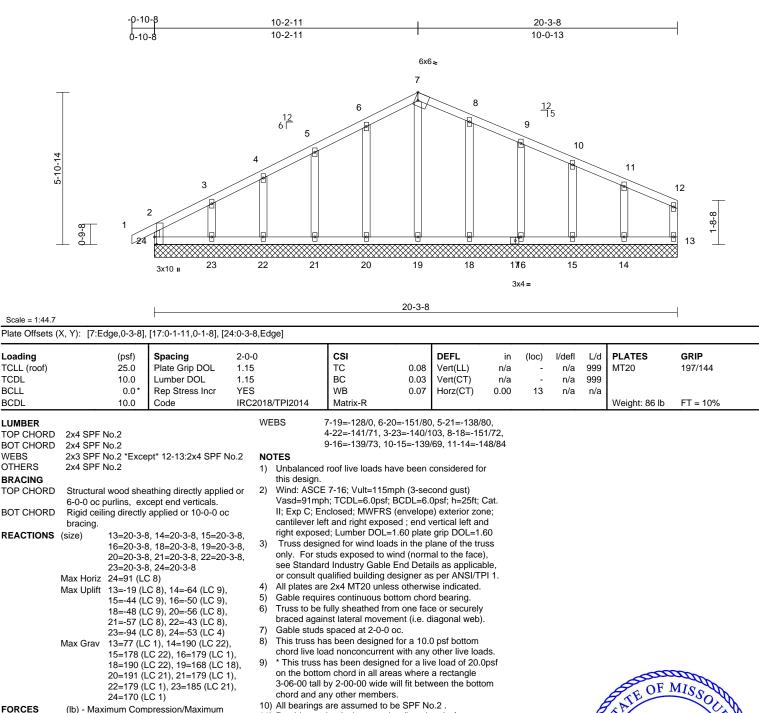
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Com February 21,2024

Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	C1	GABLE	1	1	Job Reference (optional)	163738426

Run: 8 73 S Feb 6 2024 Print: 8 730 S Feb 6 2024 MiTek Industries Inc. Tue Feb 20 09:51:47 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



- (Ib) Maximum Compression/Maximum Tension 2-24=-151/56, 1-2=0/31, 2-3=-98/78, 3-4=-63/84, 4-5=-41/106, 5-6=-38/133, 6-7=-42/157, 7-8=-37/147, 8-9=-34/110, 9-10=-34/80, 10-11=-35/59, 11-12=-40/39,
- 12-13=-60/25 BOT CHORD 23-24=-18/29, 22-23=-18/29, 21-22=-18/29, 20-21=-18/29, 19-20=-18/29, 18-19=-18/29, 16-18=-18/29, 15-16=-18/29, 14-15=-18/29, 13-14=-18/29

TOP CHORD

- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 24, 19 lb uplift at joint 13, 56 lb uplift at joint 20, 57 lb uplift at joint 21, 43 lb uplift at joint 22, 94 lb uplift at joint 23, 48 lb uplift at joint 18, 50 lb uplift at joint 16, 44 lb uplift at joint 15 and 64 lb uplift at joint 14.
- 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. LOAD CASE(S) Standard

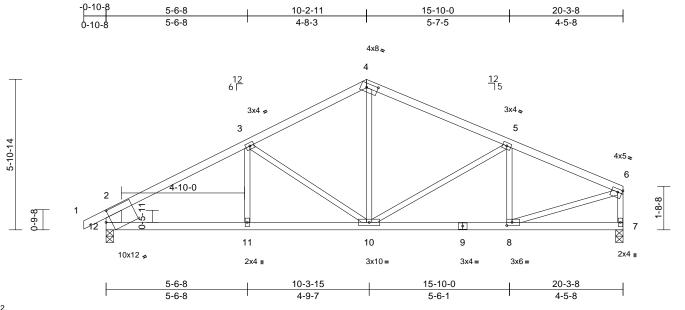


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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	C2	Roof Special	1	1	Job Reference (optional)	163738427

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:48 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:45.2

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

Plate Offsets (X, Y): [4:0-5-4,0-2-0], [6:0-2-0,0-1-8], [8:0-2-8,0-1-8], [12:0-2-7,0-4-14]

				-								
Loa	ading	(psf)	Spacing	2-0-0	csi		DEFL	in (lo	c) l/defl	L/d	PLATES	GRIP
TC	LL (roof)	25.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.09 10-	1 >999	360	MT20	197/144
TC	DL	10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.17 10-	1 >999	240		
BC	LL	0.0*	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.03	7 n/a	n/a		
BC	DL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.05 10-	1 >999	240	Weight: 75 lb	FT = 10%
				6) Provide	mechanical connection	on (by oth	ore) of truce to					
	MBER P CHORD	2x4 SPF No.2			blate capable of with							
	T CHORD				12 lb uplift at joint 7.		or ib upint at j	onn				
	BS		**** 40 0.0v0 CD 04		s is designed in acco		ith the 2018					
VVE	:53	2x3 SPF No.2 *Exce 2.0E	ept 12-2:2x8 SP 240		onal Residential Cod			h				
БВ	ACING	2.00			2 and referenced sta			u i				
	P CHORD	Structural wood she	othing directly appli	od or LOAD CASE	(S) Standard							
10	FUNCT	2-2-0 oc purlins, ex										
BO	T CHORD	Rigid ceiling directly		ic.								
20	1 OHORD	bracing.										
RE	ACTIONS	0	12=0-3-8									
		Max Horiz 12=-90 (L										
		Max Uplift 7=-112 (L		3)								
		Max Grav 7=892 (L0										
FO	RCES	(lb) - Maximum Corr										
		Tension	iprocoron, maximum									
то	P CHORD		5/161, 3-4=-965/158	ł.								
		4-5=-974/155, 5-6=-	,	,								
		2-12=-874/167, 6-7=	=-850/131									
BO	T CHORD	11-12=-156/1041, 1	0-11=-156/1041,									
		8-10=-118/992, 7-8=	=-17/38									
WE	BS	3-11=0/152, 3-10=-3	,	,								
		5-10=-269/127, 5-8=	-226/101, 6-8=-106	6/1005								m
	TES										GOF	MISSO
1)		ed roof live loads have	been considered fo	or							ALE OF	MISS OF
	this design									A	T. P.	N.S
2)		CE 7-16; Vult=115mph		• (A	NATH	ANIEL R
		nph; TCDL=6.0psf; BC								B	EC EC	x \ X
		Enclosed; MWFRS (er left and right exposed								1		
		sed; Lumber DOL=1.6								2	-the	L L
3)		has been designed fo								V.	alkan	M ANDA
0)		load nonconcurrent wi		ids.						N L	AN Y YMM	ER CAR
4)		s has been designed f								N	ON PE-2022	2042259
.,		tom chord in all areas								(V	121	18A
		Il by 2-00-00 wide will	0	om							A Ser	NO'B
		any other members.									SSIONA	LEYA
5)		as are assumed to be	SPF No.2 .								CONF	

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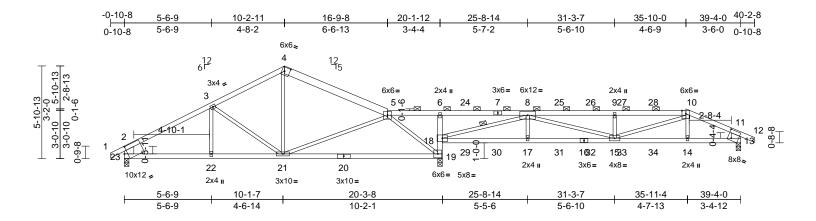


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February 21,2024

Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	C3	Roof Special Girder	1	1	Job Reference (optional)	163738428

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:49 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:73.5

Plate Offsets (X, Y): [4:0-3-15,0-3-0], [13:0-2-13,0-6-6], [23:0-2-7,0-4-14]													
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	0.85 0.99 0.92	DEFL Vert(LL) Vert(CT) Horz(CT)		(loc) 19-21 19-21 19-21	l/defl >999 >526 n/a	L/d 360 240 n/a	PLATES MT20	GRIP 197/144
BCDL	10.0	Code		8/TPI2014	Matrix-S	0.02	Wind(LL)		15-17	>999	240	Weight: 141 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SPF No.2 *Exce 10-12:2x4 SPF 2100 2x4 SPF No.2 *Exce 2100F 1.8E 2x3 SPF No.2 *Exce 2400F 2.0E Structural wood shea 4-3-1 oc purlins, exc 2-0-0 oc purlins (3-1 Rigid ceiling directly bracing. 1 Row at midpt (size) 13=0-3-8, Max Horiz 23=100 (L Max Uplift 13=-246 (23=-158 (Max Grav 13=1096 (23=901 (L	pt* 4-5:2x6 SPF No F 1.8E pt* 23-20,20-19:2x4 pt* 23-2,13-11:2x8 athing directly applic cept end verticals, a -1 max.): 5-10. applied or 9-0-13 o 8-18 19=0-3-8, 23=0-3-8 C 27) LC 9), 19=-388 (LC LC 27) LC 22), 19=2123 (L LC 22), 19=2123 (L	1) 1.2, 2) 1 SPF SP ad or 4) or 4) or 5) c 3 6) 7) 9), -C 1), 8)	Unbalanced this design. Wind: ASCE Vasd=91mpf II; Exp C; En cantilever lef right exposed Provide aded This truss ha chord live loa * This truss ha chord live loa * This truss ha chord live loa * This truss ha chord and ar All bearings a Provide meci bearing plate 23, 246 lb up This truss is	roof live loads have 7-16; Vult=115mph n; TCDL=6.0psf; BC closed; MWFRS (er t and right exposed d; Lumber DOL=1.6 upate drainage to pr s been designed fo d nonconcurrent wi has been designed fo n chord in all areas by 2-00-00 wide will by other members. are assumed to be hanical connection capable of withstau lift at joint 13 and 3 designed in accorda Residential Code s	(3-sec DL=6.0 velope ; end v 0 plate event v r a 10.0 where fit betv SPF No (by oth hoding 1 88 lb u ance w	considered for cond gust) Dpsf; h=25ft; e) exterior zo rertical left ar grip DOL=1. yater pondin; p psf bottom other live loa e load of 20. a rectangle veen the bott b.2. ers) of truss i 58 lb uplift at plift at joint 1 ith the 2018	or Cat. ne; id 60 g. dds. Dpsf om i joint 9.	11) In ti of ti LOAD (1) De Pi Ur	he LOAI he truss CASE(S ead + Ro ate Incre- hiform Lo Vert: 1-: 10-11=- oncentra Vert: 7= 14=-40 27=-33	D CASI are no oof Live ease=1 oads (II 2=-70, -70, 11 tited Lo 33 (F) (F), 24 (F), 28	E(S) section, load ted as front (F) on ndard e (balanced): Lurr .15 b/tt) 2-4=-70, 4-5=-70 -12=-70, 19-23=-2 ads (lb)	As applied to the face r back (B). hber Increase=1.15, 20, 13-18=-20 33 (F), 17=-17 (F), (F), 26=-33 (F), (F), 30=-17 (F),
FORCES	4-5=-841/179, 5-6=- 8-9=-2657/624, 9-10 10-11=-1696/374, 1 2-23=-790/189, 11-1	/203, 3-4=-864/174 79/443, 6-8=-106/63 =-2657/624, I-12=0/32, 3=-951/237	, 9) 34,	R802.10.2 ar Graphical pu or the orienta bottom chorce Hanger(s) or provided suff	nd referenced stand rlin representation of ation of the purlin alo	lard AN does no ong the evice(s ncentra	ISI/TPI 1. of depict the s top and/or) shall be ated load(s) 8	size 3 lb			Å	THE OF M	MISSOLUS
BOT CHORD WEBS NOTES	22-23=-203/913, 21- 19-21=-220/402, 18- 6-18=-432/175, 17-1 15-17=-416/1989, 14 13-14=-295/1483 3-22=-20/71, 3-21=- 5-21=-19/399, 5-19= 8-15=-162/720, 9-15 10-15=-292/1257, 10 8-18=-2704/604	19=-1342/324, 8=-416/1989, 4-15=-301/1484, 293/170, 4-21=-35/3 -1096/196, 8-17=0/ =-484/227,		23-9-4, 83 lb and 56 lb up 29-9-4, 83 lb down and 56 lb up at 35-1 21-9-4, 23 lb lb down at 2 31-9-4, and 2 35-9-4 on bo	down and 56 lb up at 27-9-4, 83 lb do down and 56 lb up lb up at 33-9-4, ar 0-0 on top chord, a down at 23-9-4, 23 7-9-4, 23 lb down at 23 lb down at 33-9- ttom chord. The de evice(s) is the response	at 25- wn and at 31- id 195 nd 23 l 3 lb dov t 29-9- 4, and sign/se	9-4, 83 lb do I 56 lb up at 9-4, and 83 ll lb down and b down at vn at 25-9-4 4, 23 lb dow 56 lb down a election of su	wn 126 , 23 n at t			K	S NATHA FO: A AABA PE-20220 FESSIONA	ER 042259

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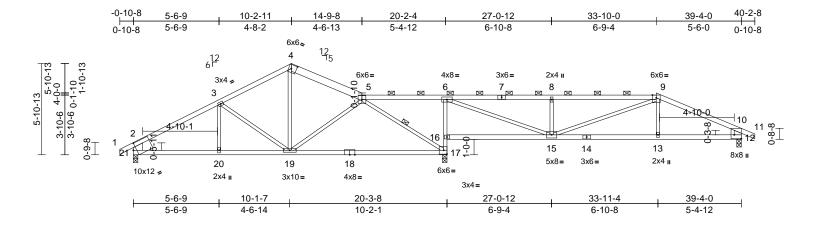
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February 21,2024

Page: 1

Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	C4	Roof Special	1	1	Job Reference (optional)	163738429

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:49 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:74.5

Plate Offsets ()	X, Y): [4:0-3-15,0-3-0]], [12:Edge,0-5-8], [2	1:0-2-7,0-	4-14]									
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	0.78 0.65 0.57	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	-0.49 0.02	(loc) 17-19 17-19 17 13-15	l/defl >999 >492 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 139 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SPF No.2 *Exce 2x4 SPF 2100F 1.8E No.2, 14-12,14-16:2: 2x3 SPF No.2 *Exce 2.0E, 12-10:2x6 SP : Structural wood shea 3-6-12 oc purlins, e: 2-0-0 oc purlins (3-9	E *Except* 17-6:2x3 x4 SPF No.2 pt* 21-2:2x8 SP 240 2400F 2.0E athing directly applie xcept end verticals, a	SPF 0F 3) 4) d or	Vasd=91mpl II; Exp C; En cantilever lef right expose Provide adeo This truss ha chord live loa * This truss h on the bottor	7-16; Vult=115m n; TCDL=6.0psf; closed; MWFRS t and right expos d; Lumber DOL= uate drainage to s been designed ad nonconcurrent nas been designe n chord in all are:	BCDL=6.0 (enveloped ed; end v 1.60 plate prevent for a 10.0 with any d for a liv as where	Dpsf; h=25ft; e) exterior zo vertical left ar grip DOL=1 water pondin 0 psf bottom other live loa e load of 20. a rectangle	ne; nd 60 g. ads. Opsf					
	Rigid ceiling directly bracing, Except: 6-0-0 oc bracing: 15 1 Row at midpt (size) 12=0-3-8, Max Horiz 21=101 (L Max Uplift 12=-176 (applied or 10-0-0 oc -16. 5-17 17=0-3-8, 21=0-3-8 -C 8) LC 9), 17=-286 (LC 9	6) 7)	chord and ar Bearings are Joint 17 SPF Provide mec bearing plate	by 2-00-00 wide way other members assumed to be: 2100F 1.8E, Jo hanical connectic a capable of withs lift at joint 12 and	s. Joint 21 S int 12 SP on (by oth standing 1	SPF 2100F 1 F No.2 . ers) of truss 36 lb uplift a	.8E , to t joint					
	21=-136 (Max Grav 12=890 (L 21=936 (L	LC 22), 17=1830 (LC LC 1)	1), 8)	International	designed in acco Residential Code nd referenced sta	e sections	R502.11.1 a	and					
FORCES	(lb) - Maximum Com Tension		,		rlin representatio ation of the purlin		•	size					
TOP CHORD	1-2=0/37, 2-3=-1195 4-5=-896/141, 5-6=0 8-9=-1396/305, 9-10 2-21=-820/170, 10-1)/154, 6-8=-1393/304)=-1349/252, 10-11=	^{I,} IC	bottom chord DAD CASE(S)	i	c						TATE OF M	AISSO
BOT CHORD	20-21=-170/967, 19- 17-19=-70/777, 16-1 6-16=-1055/291, 15- 13-15=-170/1159, 12	-20=-170/967, 7=-1128/258, -16=-187/67,										ST NATHA	NIEL X
WEBS	3-20=-28/63, 3-19=- 5-19=-84/141, 5-17= 6-15=-296/1662, 8-1 9-15=-72/251, 9-13=	279/169, 4-19=-14/4 1117/151, 5=-526/215,	13,									PE-2022	
NOTES1) Unbalance this design	ed roof live loads have n.	been considered for									Ø	FESSIONA	L ENGIL

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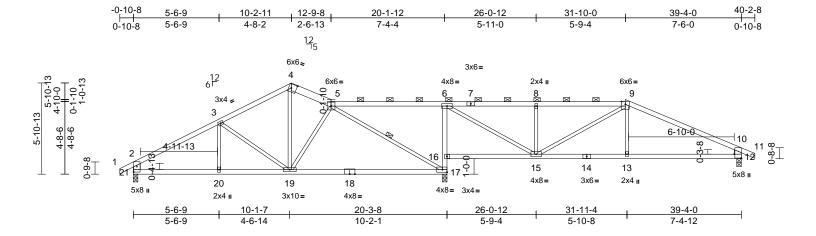
February 21,2024

Page: 1

Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	C5	Roof Special	1	1	Job Reference (optional)	163738430

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:50 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:74.5

oading	(psf)	Spacing	2-0-0		CSI	0.00	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
CLL (roof)	25.0	Plate Grip DOL Lumber DOL	1.15 1.15		TC BC	0.96 0.64	Vert(LL)		17-19 17-19	>978 >473	360 240	MT20	197/144
	10.0 0.0*	Rep Stress Incr	YES		WB	0.64	Vert(CT) Horz(CT)	-0.50	17-19	>473 n/a	240 n/a		
CDL		Code		8/TPI2014	Matrix-S	0.78	. ,		19-20	-1/a >999		Waight 100 lb	FT 400/
JDL	10.0	Code	IRC201	8/1912014	Matrix-5		Wind(LL)	0.05	19-20	>999	240	Weight: 168 lb	F1 = 10%
JMBER			2)	Wind: ASCE	7-16; Vult=115n	nph (3-sec	ond gust)						
OP CHORD	2x4 SP No.2 *Excep	t* 4-5:2x6 SPF No.2			h; TCDL=6.0psf;								
OT CHORD	2x4 SP No.1 *Excep	t* 17-6:2x4 SPF No.	2,		closed; MWFRS								
	14-12,14-16:2x4 SP				ft and right expos								
EBS	2x3 SPF No.2 *Exce	pt* 21-2,12-10:2x6 \$			d; Lumber DOL=								
	2400F 2.0E		3) 4)		quate drainage to as been designed			g.					
RACING			,		ad nonconcurren			ade					
OP CHORD	Structural wood she	0 7 11	·		has been designe								
	except end verticals (5-7-10 max.): 5-9.	, and 2-0-0 oc puriin	s o,		m chord in all are			opo.					
OT CHORD	Rigid ceiling directly	applied or 10-0-0 or	_		by 2-00-00 wide			tom					
	bracing, Except:	applied of 10-0-0 of		chord and a	ny other member	s.							
	6-0-0 oc bracing: 15	-16.	6)		e assumed to be:	Joint 21 S	P No.1 , Joi	nt 17					
'EBS		5-17			oint 12 SP No.2 .								
EACTIONS	(size) 12=0-3-8,	17=0-3-8, 21=0-3-8	7)		hanical connecti								
	Max Horiz 21=101 (L				e capable of with								
	Max Uplift 12=-178 (LC 9), 17=-285 (LC	9),	21, 178 lb u	olift at joint 12 an	a 285 id u	plift at joint 1	7.					
	21=-137 (LC 8)	. 8)	This trues is	designed in acco	vrdance w	th the 2018						
	Max Grav 12=870 (L		;1), ⁰⁾		Residential Cod			and					
	21=907 (L	,			nd referenced sta								
ORCES	(lb) - Maximum Com	pression/Maximum	9)		Irlin representation			size					
	Tension			or the orient	ation of the purlin	along the	top and/or						
OP CHORD	1-2=0/35, 2-3=-1172			bottom chore	d.								The
	4-5=-830/153, 5-6=0	, , ,		DAD CASE(S)	Standard							THE OF M	AT A
	8-9=-843/239, 9-10= 2-21=-801/171, 10-1		/30,								C	REOFI	IISS D
OT CHORD	20-21=-176/948, 19-										4		N.S.
	17-19=-66/759, 16-1										A	S NATHA	NIEL P
	6-16=-1147/314, 15-	,								<u>د</u>	La a	FOX	
	13-15=-139/1011, 12										14	L f	1-1-
EBS	3-20=-7/80, 4-19=-5	7/436, 5-17=-1133/1	14,								Kr	Titten	
	6-15=-209/1265, 8-1										MIA	VIAMIA	
	9-15=-221/35, 9-13=	0/262, 3-19=-304/17	71,							- 1	W	K/ - mining	BER
	5-19=-147/163											O PE-20220	

NOTES

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

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February 21,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	C6	Roof Special	1	1	Job Reference (optional)	163738431

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:50 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

9-7-12

Page: 1

13 ⁸⁰ ` 80]

9-4-12

-0-10-8 10-9-8 40-2-8 5-6-9 10-2-11 15-6-8 20-2-4 25-0-12 29-10-0 35-8-3 39-4-0 0-10-8 5-6-9 4-8-2 4-9-0 4-7-12 4-10-8 4-9-4 5-10-3 3-7-13 0-10-8 0-6-13 12 15 6x6= 6x6 👟 3x4= 3x6= 2x4 I 3x4= 6x6= 4 6¹² 5 6 9 10 7 2x4 II 2x4 = 3 11 5-10-13 5-6-6 12 1 M 74 0-9-8 16 Ϋ́ 15 18 7x12👟 3x6 =3x10 =21 25 194 20 23 M18AHS 5x14 = 3x10= 3x4= 3x10= 10x12 -5x8= 10-10-12 20-3-8 29-1<u>1-4</u> 39-4-0 5-6-9

9-4-12

Scale = 1:74.5

NOTES 1)

this design.

Plate Offsets (X, Y): [4:0-3-3,0-2-2], [14:0-3-15,0-4-14], [22:0-2-7,0-4-14]													
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)	-0.25	18-20	>960	360	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.44	18-20	>539	240	M18AHS	142/136	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.45	Horz(CT)	-0.03	14	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.06	15-17	>999	240	Weight: 147 lb	FT = 10%	
LUMBER TOP CHORD BOT CHORD	2) Wind: ASCE 7-16; Vult=115mph (3-second gust) RD 2x4 SPF No.2 *Except* 4-5:2x6 SPF No.2 Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat.												
WEBS	2x3 SPF No.2 *Exce 2.0E, 14-12:2x6 SP												
BRACING	2.0E, 14-12:2x0 SP		4) All plates	adequate drainage to prevent water ponding. s are MT20 plates unless otherwise indicated. s bas been designed for a 10.0 psf bottom									

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins
	(5-11-2 max.): 5-10.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
WEBS	1 Row at midpt 9-17, 6-18
REACTIONS	(size) 14=0-3-8, 18=0-3-8, 22=0-3-8
	Max Horiz 22=101 (LC 8)
	Max Uplift 14=-186 (LC 9), 18=-268 (LC 9),
	22=-143 (LC 8)
	Max Grav 14=887 (LC 24), 18=1934 (LC 2),
	22=937 (LC 2)
FORCES	(Ib) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-2=0/37, 2-3=-1204/174, 3-4=-1141/289,
	4-5=-884/179.5-6=-828/151.6-8=0/206.
	8-9=0/219, 9-10=-938/246, 10-11=-1061/224,
	11-12=-1309/344, 12-13=0/30,
	2-22=-809/175, 12-14=-782/228
BOT CHORD	21-22=-178/998, 20-21=-54/789,
	18-20=-53/452, 17-18=-1083/225,
	8-17=-346/138, 15-17=-91/548,
	14-15=-263/1124
WEBS	3-21=-282/202, 4-21=-194/391,
	4-20=-93/459, 6-20=-15/570, 9-17=-976/205,
	10-15=-29/156, 5-20=-438/146,

Unbalanced roof live loads have been considered for

6-18=-950/141, 11-15=-266/190, 9-15=0/523

5-6-9

5-4-3

- 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, with BCDL = 10.0psf. 7) Bearings are assumed to be: Joint 22 SPF 2100F 1.8E ,
- Joint 18 SPF 2100F 1.8E , Joint 14 SPF No.2 . 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 143 lb uplift at joint 22, 186 lb uplift at joint 14 and 268 lb uplift at joint 18.
- 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

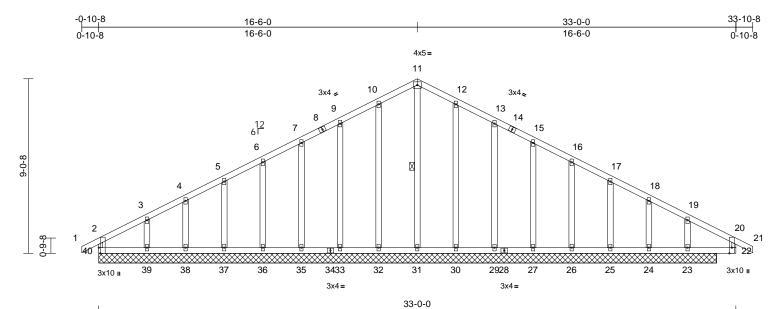


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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	D1	GABLE	1	1	Job Reference (optional)	163738432

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:50 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:59.7

Plate Offsets (X, Y): [40:0-3-8,Edge]

	(∧, 1). [40.0 0 0,⊏dg										
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 (WB (Matrix-R	0.23 Ve 0.18 Ve 0.17 Ho	rt(CT) r prz(CT) -0.	i/a i/a	oc) I/defl - n/a - n/a 23 n/a	999 n/a	PLATES MT20 Weight: 164 lb	GRIP 197/144 FT = 10% a live load of 20.0psf
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SPF No.2 2x3 SPF No.2 2x4 SPF No.2 Structural wood sh 10-0-0 oc purlins, Rigid ceiling directl bracing. 1 Row at midpt (size) 23=32-0 30=32-0 33=32-0 33=32-0 0 37=32-0 40=32-0 Max Horiz 40=-135 Max Uplift 23=-73 (25=-53 (30=-47 (bor BOT CHORI D-0, D-0, D-0, D-0, WEBS NOTES 1) Unbalan	3-4=-88/222, 4-5=-52/ 6-7=0/256, 7-9=0/265 10-11=0/277, 11-12=(13-15=0/228, 15-16=(17-18=0/208, 18-19=- 20-21=0/31, 20-22=-2 D 39-40=-153/86, 38-39 37-38=-153/86, 31-32 30-31=-153/86, 29-30 27-29=-153/86, 24-25 23-24=-153/86, 24-25 23-24=-153/86, 24-25 23-24=-153/86, 24-25 23-24=-153/86, 22-23 11-31=-292/0, 10-32= 7-35=-141/78, 6-36=- 4-38=-132/65, 3-39=- 12-30=-157/71, 13-29 15-27=-141/77, 16-26 17-25=-154/78, 18-24 ced roof live loads have b	238, 5-6= , 9-10=0/,)/269, 12-)/205, 16- 13/181, 1 8/20 =-153/86, =-153/86, =-153/86, =-153/86, =-153/86, =-153/86, =-153/86, =-153/75, 1 140/77, 5- 188/122, =-135/82, =-137/78, =-80/76,	23/246, 277, -13=0/255, -17=0/202, 9-20=-68/230 , , , , , , , , , , , , , , , , , , ,	9) 11) 12) LO	on the bott 3-06-00 tal chord and All bearing Provide me bearing pla 40, 51 lb u uplift at join 37, 34 lb u uplift at join Xon Stand This truss i Internation	om cho I by 2-0 any oth s are as echanic the capa plift at junt 135, 55 plift at junt 130, 54 plift at junt 13	rd in all areas wh 0-00 wide will fit l er members. ssumed to be SP al connection (by able of withstandi oint 32, 57 lb upli 3 lb uplift at joint 3 oint 38, 120 lb up 8 lb uplift at joint 3 oint 26, 53 lb uplift d 74 lb uplift at joint 1 oint 26, 53 lb uplift d 74 lb uplift at joint 3 oint accordance dential Code sect erenced standard	F No.2 . others) of truss to ng 67 lb uplift at joint ft at joint 33, 54 lb 36, 59 lb uplift at joint lift at joint 39, 47 lb 29, 53 lb uplift at joint ft at joint 25, 56 lb oint 23. Review required. se with the 2018 ions R502.11.1 and
FORCES	38=-34 (40=-67 (Max Grav 23=399 25=212 27=183 30=197 32=195 35=181 37=187 39=265	LC 8), 37=-59 (LC 8), LC 8), 39=-120 (LC 8), LC 4) (LC 1), 24=59 (LC 16), (LC 1), 26=172 (LC 22 (LC 1), 29=175 (LC 1), (LC 22), 31=332 (LC 1) (LC 1), 36=179 (LC 21 (LC 1), 38=166 (LC 21 (LC 1), 40=131 (LC 21 mpression/Maximum	 Vasd=9⁻ II; Exp C cantileve right exp 8), 3) Truss d only. Fc), see Star 0, or consu), 4) All plate 5) Truss to braced a 6) Gable st 7) This trus 	gn. SCE 7-16; Vult=115mph (1mph; TCDL=6.0psf; BCD ; Enclosed; MWFRS (env er left and right exposed ; vosed; Lumber DOL=1.60 esigned for wind loads in 1 or studs exposed to wind (ndard Industry Gable End It qualified building design s are 2x4 MT20 unless oft be fully sheathed from on against lateral movement (uds spaced at 2-0-0 oc. ss has been designed for a e load nonconcurrent with	L=6.0psf; elope) ex end vertic plate grip the plane normal to Details as her as per herwise in he face or (i.e. diago	the factors in the fa				PE-2022	NIEL YE X 042259 X YE VER 042259 X YE

February 21,2024



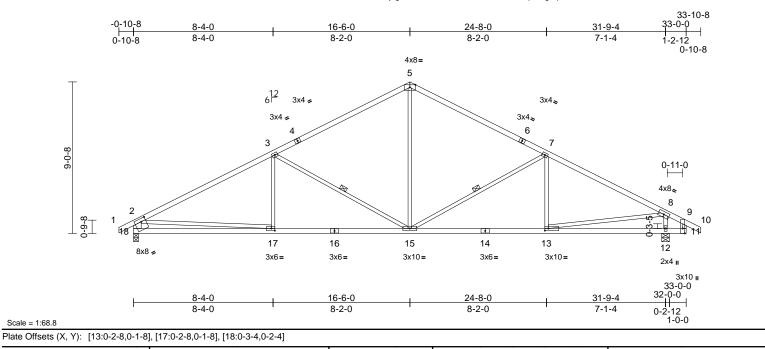
Page: 1

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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	D2	Common	7	1	Job Reference (optional)	163738433

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:51 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

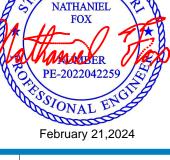
Page: 1



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	0.98	Vert(LL)	-0.11	15-17	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.26	13-15	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.06	12	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.08	15-17	>999	240	Weight: 125 lb	FT = 10%
LUMBER			4) * This truss	has been designed	l for a liv	e load of 20.0	psf					
TOP CHORD	2x4 SPF No.2		on the botto	om chord in all area	s where	a rectangle						
BOT CHORD	2x4 SPF No.2		3-06-00 tall	by 2-00-00 wide wi	ll fit betv	veen the botto	m					
WEBS	2x3 SPF No.2 *Exce	pt* 18-2:2x6 SPF No	0.2 chord and a	any other members.								
BRACING			All bearings	are assumed to be								
TOP CHORD	Structural wood she	athing directly applie		chanical connectior								
	except end verticals		bearing pla	te capable of withst	anding 2	04 lb uplift at	joint					
BOT CHORD	Rigid ceiling directly			lb uplift at joint 12.								
	bracing.		This truss is	designed in accor								
WEBS	1 Row at midpt	3-15, 7-15		al Residential Code			nd					
REACTIONS	(size) 12=0-5-8,	18=0-3-8		and referenced star	idard AN	ISI/TPI 1.						
	Max Horiz 18=-134 (LC 13)	LOAD CASE(S) Standard								
	Max Uplift 12=-213 (LC 9), 18=-204 (LC 8	8)									
	Max Grav 12=1593											
FORCES	(lb) - Maximum Com		,									
	Tension											
TOP CHORD	1-2=0/35, 2-3=-2285	5/286. 3-5=-1600/249	9.									
	5-7=-1599/256, 7-8=											
	9-10=0/31, 2-18=-14	13/249, 9-11=-84/0										
BOT CHORD	17-18=-329/724, 15	-17=-281/1931,										
	13-15=-114/1750, 12	2-13=-10/144,										
	11-12=-10/144											
WEBS	3-17=0/273, 3-15=-7		30,									The
	7-15=-581/240, 7-13	,									A	and
	8-13=-105/1625, 8-1	2=-1457/301,									B.F. OF I	NISS W
	2-17=0/1211									6	STATE OF M	N.V.
NOTES										8	NATUA	NIEI XP.V
1) Unbalance	ed roof live loads have	been considered for	r							R	>/ INATHA	
this desigr									-	TQ A	FO	
A) 147 1 4 OC		(0 ()								77 78		

 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.



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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	D3	Roof Special	5	1	Job Reference (optional)	163738434

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:51 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

32-0-0 8-4-0 16-6-0 21-8-12 25-5-8 30-1-12 8-4-0 8-2-0 5-2-12 3-8-12 4-8-4 1-10-4 4x8= 5 12 61 3x4 🚽 3x6 👟 3x4 6 6-9-14 9-0-8 3x4 👟 3 9-0-8 7 4x8 =2x4 II 8 g -2-10 2-2-10 2-2-10 8-6-0 ÷ 11 13 . 4x8= 3x4= 16 15 14 8x8 🞜 2x4 II 3x6= 3x6= 8x8= 4x10= 8-4-0 16-6-0 21-10-0 25-5-8 32-0-0 8-4-0 8-2-0 5-4-0 3-7-7 6-6-9

Scale = 1:61.5

Plate Offsets (X, Y): [14:0-4-0,0-3-4], [16:0-2-8,0-1-8], [17:0-3-4,0-2-4]

	., ., [], [· • · • = •,• · • •], [·								_			
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.99 0.73 0.64	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.15 -0.31 0.10 0.07	10	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 130 lb	GRIP 197/144 FT = 10%
		pt* 17-2:2x6 SPF No athing directly applie , and 2-0-0 oc purlin: applied or 10-0-0 oc 3-14, 6-14 anical, 17=0-3-8 LC 5) C 9), 17=-29 (LC 8)	5.2 6) 7) 5 8 9) 10	on the botto 3-06-00 tall chord and a All bearings Refer to girc Provide mee bearing plate 10 and 29 lb This truss is International R802.10.2 a		as where vill fit betw s. pe SPF No russ conr on (by oth standing 1 rdance w e sections undard AN n does no	a rectangle veen the botto o.2. ections. ers) of truss t 5 lb uplift at j ith the 2018 R502.11.1 a ISI/TPI 1. ot depict the s	om to joint and					
FORCES	(lb) - Maximum Com Tension	pression/Maximum	_		elandara								
TOP CHORD	1-2=0/35, 2-3=-2310 5-6=-1548/84, 6-7=- 8-9=-87/0, 9-10=-77	2218/52, 7-8=-2610/	22,										
BOT CHORD	16-17=-187/715, 14- 13-14=0/103, 12-13= 11-12=0/2293, 10-1	=0/79, 6-12=0/720,											
WEBS	3-16=0/281, 3-14=-7 12-14=0/1854, 6-14= 7-11=0/265, 8-11=-2 2-16=0/1242	765/125, 5-14=0/865 =-932/89, 7-12=-483	/42,								A	TATE OF M	AISSOU
NOTES											A.		THE IN N
this design											TØ/	H ^{FQ}	
Wind: ASC	CF 7-16: Vult=115mph	(3-second aust)										· // // ······	

- 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.



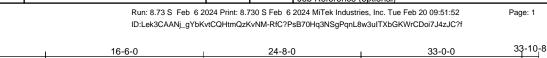
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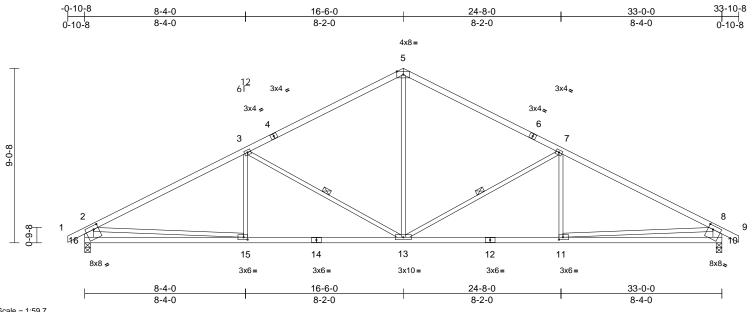
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 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value to dury with with where outputs into design is based only door parameters shown, and is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

Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	D4	Common	3	1	Job Reference (optional)	163738435





Scale = 1:59.7

Plate Offsets (X, Y): [10:0-3-0,0-2-4], [11:0-2-8,0-1-8], [15:0-2-8,0-1-8], [16:0-3-0,0-2-4]

8-4-0

-					-								
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 IRC2018	3/TPI2014	CSI TC BC WB Matrix-S	1.00 0.66 0.62	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.12 -0.27 0.07 0.08	(loc) 13-15 13-15 10 13-15	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 125 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 *Exce No.2 Structural wood she except end verticals Rigid ceiling directly bracing. 1 Row at midpt	ept* 16-2,10-8:2x6 Si athing directly applie applied or 10-0-0 or 7-13, 3-13 16=0-3-8 _C 7) LC 9), 16=-207 (LC	4) PF 5) 6) ed, c 7) LC 8)	* This truss I on the bottor 3-06-00 tall I chord and au All bearings Provide mec bearing plate 16 and 207 I This truss is International	has been designe n chord in all are by 2-00-00 wide v y other members are assumed to b chanical connection e capable of withs b uplift at joint 10 designed in accor Residential Code nd referenced sta	as where will fit betw s. be SPF No on (by oth standing 2). ordance w e sections	e load of 20.0 a rectangle veen the botto 0.2 . ers) of truss to 07 lb uplift at th the 2018 R502.11.1 at	opsf om o joint			270	110ign: 12010	
FORCES	(lb) - Maximum Com Tension	pression/Maximum	,										
TOP CHORD	1-2=0/35, 2-3=-2380 5-7=-1701/263, 7-8= 2-16=-1462/251, 8-1	-2380/291, 8-9=0/35											
BOT CHORD	15-16=-328/733, 13- 11-13=-151/2016, 10	-15=-284/2016,											
WEBS	5-13=-56/873, 7-13= 3-13=-759/267, 3-15 8-11=-14/1287	-759/267, 7-11=0/27	,									TATE OF M	AISC
NOTES											A	The	12000
 Unbalance this design 	ed roof live loads have n.	been considered for	r								A		
2) Wind: ASC	CE 7-16; Vult=115mph	(3-second gust)									H.	A STOL	

Wind: ASCE 7-16; Vult=115mph (3-second gust) 2) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

This truss has been designed for a 10.0 psf bottom 3) chord live load nonconcurrent with any other live loads.

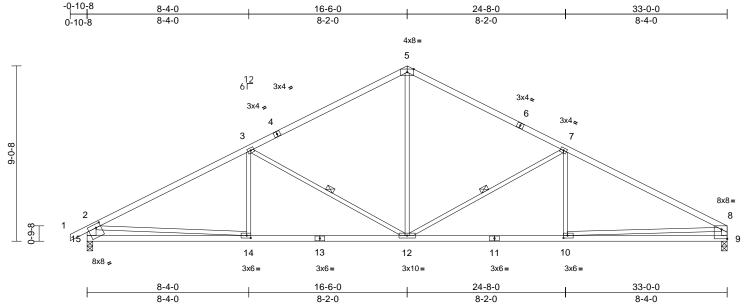
PE-2022042259 ESSIONAL E February 21,2024



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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 for use only with with twit even connectors. This design is based only upon parameters shown, and is for an individual building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	D5	Common	2	1	Job Reference (optional)	163738436

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:52 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:59.4

Plate Offsets (X, Y): [8:Edge,0-5-13], [10:0-2-8,0-1-8], [14:0-2-8,0-1-8], [15:0-3-0,0-2-4]

-													
Loading	(psf)	Spacing	2-0-0		сѕі		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.97	Vert(LL)	-0.12	10-12	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.67	Vert(CT)	-0.27	10-12	>999	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.65	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S		Wind(LL)	0.08	10-12	>999	240	Weight: 124 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS	2x4 SPF 2100F 1.8E SPF No.2 2x4 SPF No.2 2x3 SPF No.2 *Exce	• •		on the bottor 3-06-00 tall b chord and ar	has been designed n chord in all area by 2-00-00 wide w hy other members are assumed to b	as where rill fit betv	a rectangle veen the bott	•					
WED3	9-8:2x4 SPF 2400F		5.2, 5) 6)	0	hanical connectio			to					
BRACING					capable of withs	tanding 2	207 Ib uplift a	t joint					
TOP CHORD	Structural wood she except end verticals	athing directly applie	d, 7)		b uplift at joint 9. designed in acco	rdance w	ith the 2018						
BOT CHORD	Rigid ceiling directly bracing.		;		Residential Code nd referenced sta			and					
WEBS		7-12, 3-12	LO	DAD CASE(S)	Standard								
	(size) 9=0-3-8, Max Horiz 15=142 (I Max Uplift 9=-182 (L Max Grav 9=1467 (I	_C 12) C 9), 15=-207 (LC 8)											
FORCES	(lb) - Maximum Com	1.	')										
TOP CHORD	Tension 1-2=0/35, 2-3=-2394		ŀ,										
BOT CHORD	5-7=-1714/264, 7-8= 2-15=-1467/251, 8-9 14-15=-321/728, 12	=-1384/226											
BOT CHOILD	10-12=-179/2057, 9	,											
WEBS	5-12=-64/895, 7-12= 3-12=-766/271, 3-14 8-10=-74/1477	,	,									TATE OF M	AISSO
NOTES											A	NATUA	A Contraction
1) Unbalance	ed roof live loads have	been considered for								_	A	S NATHA	
this desigr										า	V/A	1 1.Aro	
	CE 7-16; Vult=115mph									•	V7	T / /	

 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.



February 21,2024

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Page: 1

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Job	Truss		Truss Type		Qty	Ply	Lot 175 W	0		169799497
B240016	D6		Roof Special		2	1	Job Refere	ence (optional)	163738437
Wheeler Lumber,	Waverly, KS - 66871,								ue Feb 20 09:51:52 GKWrCDoi7J4zJC?f	Page: 1
	0.10.8		0 7 12					, duzonogrado		
	-0-10-8 	<u>8-4-0</u> 8-4-0	9-7-13	15-10-12 1 6-2-15 (6-6-0 <u>2</u> -7-4 3	0-5-12	<u>25-7-6</u> 5-1-10		<u>33-0-0</u> 7-4-10	
					6x6=					
					3x4 u					
9-2-6 1-0-0 9-0-8 8-0-8 8-0-8	3	4x5= 3x6 II	6 ¹² 4x8 = 3x4 = 4 5 4 21 4x8=	2x4 II	19 to	3x10 6x18= 14 2x4 16=	3x6.2 9 75	3x6 z 10 13 5x12=		11 12 8x8=
		·9-8 8-4		6-0 15-9-0)-4-0	25-7-6		33-0-0	
Scale = 1:64.9	2-	9-8 5-6	-8 5-2	2-0 2-3-0 ₀ .	3-8 4	-3-8	5-3-6	I	7-4-10	I
Plate Offsets (X	, Y): [2:0-3-8,Edge],	[3:0-0-7,0-1-13], [5:	0-4-0,Edge], [12:Edge,	0-5-13], [16:0-8-4,Edg	e], [21:0-2	2-8,0-2-0], [22	2:0-3-0,0-0-8]		-	
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.94 V 0.85 V 0.94 H	ert(CT) -(lorz(CT) (in (loc) 0.31 21-22 0.57 21-22 0.43 12 0.18 21-22	I/defl L/d >999 360 >683 240 n/a n/a >999 240	MT20	GRIP 197/144 FT = 10%
BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD WEBS REACTIONS		- 	 bF Vasd=91m II; Exp C; E and right e Lumber DC No.2 3) This truss chord live I 4) * This truss on the bott 3-06-00 tal 6) Refer to gi 7) Provide me bearing pla 2 and 17 lb 8) This truss internation 	E 7-16; Vult=115mph ph; TCDL=6.0psf; BC Enclosed; MWFRS (en xposed; end vertical DL=1.60 plate grip DC has been designed fo oad nonconcurrent w s has been designed fo om chord in all areas l by 2-00-00 wide will any other members. s are assumed to be rder(s) for truss to trus echanical connection ate capable of withstai o uplift at joint 12. is designed in accorda al Residential Code s	DL=6.0ps welope); (i L=1.60 r a 10.0 pr th any oth or a live lo where a r fit betwee SPF No.2 s connec by others ading 28 II ance with ections R	sf; h=25ft; Cat cantilever left ght exposed; sf bottom her live loads. bad of 20.0ps ectangle en the bottom tions. b) of truss to b uplift at join the 2018 502.11.1 and	f			
FORCES	(lb) - Maximum Com		19 R802.10.2 LOAD CASE(\$	and referenced stanc S) Standard	ard ANSI/	/TPI 1.				
TOP CHORD	Tension 1-2=0/3, 2-3=-1580/3 4-6=-2644/41, 6-7=-2	2414/111, 7-8=-231								
BOT CHORD	8-10=-3581/0, 10-11 11-12=-1392/57 2-23=-96/807, 22-23 3-22=-60/2623, 21-2 19-20=0/113, 18-20= 17-19=0/63, 16-19= 15-16=0/3129, 14-15 13-14=0/33, 12-13=-	B=-56/587, 22=-66/2725, 20-21= =0/29, 17-18=-26/0, 0/134, 6-16=-196/19 5=0/79, 8-15=0/1190	8,						STATE OF M	INTEL 14 V
WEBS	3-23=-871/112, 4-21 4-16=-637/149, 8-16 7-16=-116/1795, 13- 10-15=0/1073, 10-13 11-13=0/1532, 16-21	=-434/106, 5=-1423/55, -15=0/2374, 3=-1228/65,							PE-2022	188
 NOTES Unbalanced this design. 	l roof live loads have	been considered for							S'SIONA	L ENO

February 21,2024



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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	D7	Roof Special	3	1	Job Reference (optional)	163738438

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:53 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

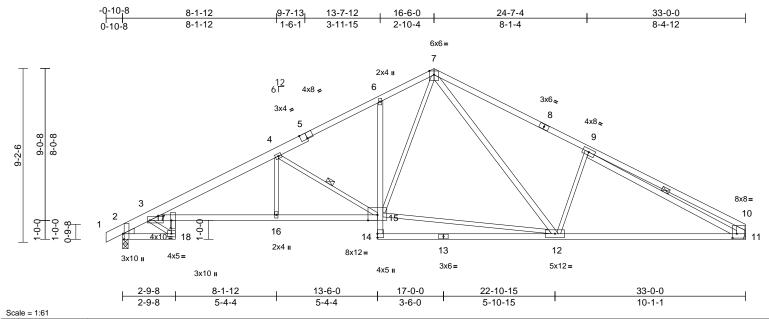


Plate Offsets (X, Y): [2:0-3-8,Edge], [3:0-8-8,0-2-6], [5:0-4-0,Edge], [10:0-2-12,0-2-12], [17:0-5-0,0-0-8]

					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	0.94	Vert(LL)	-0.30	16-17	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.97	Vert(CT)	-0.57	16-17	>693	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.68	Horz(CT)	0.29	11	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S	-	Wind(LL)	0.18	16-17	>999	240	Weight: 149 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD	1-8-10 oc purlins, e Rigid ceiling directly bracing.	No.2 ppt* 18-17:2x3 SPF N = 2.0E spt* 12-7,11-9:2x4 SF F No.2 athing directly applie xcept end verticals. applied or 2-2-0 oc	lo.2, PF 3 4	Vasd=91mpl II; Exp C; En and right exy Lumber DOL This truss ha chord live loa * This truss h on the bottor 3-06-00 tall t chord and ar All bearings Refer to gird	7-16; Vult=115m n; TCDL=6.0psf; lclosed; MWFRS posed ; end vertic =1.60 plate grip l is been designed ad nonconcurrent nas been designe n chord in all area by 2-00-00 wide w ny other members are assumed to r(s) for truss to t hanical connectic	BCDL=6.0 (envelope cal left and DOL=1.60 for a 10.0 to with any ed for a liv as where vill fit betw s. De SPF No cruss conr	Dpsf; h=25ft; (;); cantilever d right expose) p psf bottom other live loa e load of 20.0 a rectangle veen the botto 0.2.	left ed; ids. Opsf om					
WEBS		4-15, 9-11	'		capable of withs								
	(size) 2=0-3-8, Max Horiz 2=113 (LC Max Uplift 2=-28 (LC Max Grav 2=1541 (I	C 8), 11=-17 (LC 9)	8	2 and 17 lb u This truss is International	uplift at joint 11. designed in acco Residential Code nd referenced sta	rdance w e sections	ith the 2018 R502.11.1 a						
FORCES	(lb) - Maximum Com Tension	npression/Maximum	L	OAD CASE(S)									
TOP CHORD	1-2=0/3, 2-3=-1716/ 4-6=-2184/64, 6-7=- 7-9=-2232/124, 9-10	2033/117,	13/88										
BOT CHORD	2-18=-113/989, 17-1 3-17=-50/2621, 16-1	18=-68/713, 17=-60/2744, -15=0/163, 6-15=-18									B	TATE OF M	MISSOL
WEBS	3-18=-1070/131, 4-1 4-15=-1084/115, 12	16=0/394,	200,									S NATHA	THEF IS A
NOTES											R6	alkan	ick UNICO

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



February 21,2024

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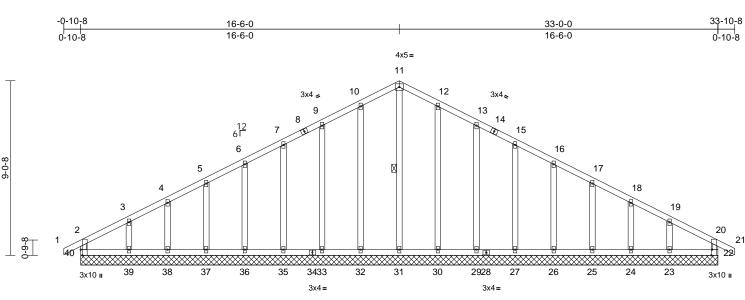
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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	D8	GABLE	1	1	Job Reference (optional)	163738439

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:53 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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33.	n	0	

Scale	= '	1.59	7

Plate Offsets (X, Y): [22:0-3-8,Edge], [40:0-3-8,Edge]

											1	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)		L/d	PLATES	GRIP
TCLL (roof)	25.0		1.15	TC	0.07	· · ·	n/a		- n/a	999	MT20	197/144
TCDL	10.0		1.15	BC	0.06	· · ·	n/a			999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	22	2 n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R	-						Weight: 164 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	 2x4 SPF No.2 Structural wood she 6-0-0 oc purlins, exx Rigid ceiling directly bracing. 1 Row at midpt (size) 22=33-0-(29=33-0-(32=33-0-(36=33-0-(39=33-0-(39=33-0-(40=-134 (Max Horiz 40=-134 (Max Uplift 22=-17 (L 24=-39 (L 	athing directly applied cept end verticals. applied or 10-0-0 oc 11-31 0, 23=33-0-0, 24=33-0 0, 30=33-0-0, 31=33-0 0, 33=33-0-0, 35=33-0 0, 37=33-0-0, 38=33-0 0, 40=33-0-0 LC 13) C 5), 23=-103 (LC 9), C 9), 25=-58 (LC 9), C 9), 27=-53 (LC 9),	TOP CHORD or BOT CHORD -0, -0, -0, -0,	2-40=-163/51, 1-2 3-4=-91/95, 4-5=- 6-7=-50/173, 7-9= 10-11=-45/248, 1 12-13=-42/196, 1 15-16=-42/138, 1 17-18=-46/86, 18 20-21=0/32, 20-2	73/121, £ 42/198, 1-12=-45 3-15=-42 6-17=-42 6-17=-42 (-19=-66/6 2=-163/3 8-39=-33 6-37=-33 3-35=-33 3-35=-33 1-32=-33 0-30=-33 6-27=-33 4-25=-33 2-23=-33 -32=-150/ 39=-151// 39=-151// 3-29=-13 6-26=-14	5-6=-61/147, 9-10=-42/225 /240, /163, /112, 50, 19-20=-10 0 /113, /113, /113, /113, /113, /113, /113, /113, /113, /113, /113, /113, /113, /113, /113, /113, /14, 9-33=-13 /7, 5-37=-141, !20, 9/82, 0/78,	4/49, 9/81,	8) TI ct 9) * ' 3- ct 10) Al 11) Pl be 4(up 36 up 29 up 12) TI In R	his truss h hord live h This truss in the bott 0-6-00 tall 0-6-00 tall 0-0-00 tall 0-0-10 b up 0-10 f at join 6, 59 lb up 0-11f at join 6, 59 lb up 0-11f at join 6, 59 lb up 0-11f at join 10t 23. his truss i ternational	has been oad no is has be om cho l by 2-0 any oth s are a echanic te capa blift at j ht 33, 5 blift at j ht 39, 4 blift at j ht 25, 3 s desig al Resi and resi	ed at 2-0-0 oc. en designed for a nconcurrent with een designed for ord in all areas wi 00-00 wide will fif her members. ssumed to be SP cal connection (by able of withstand joint 22, 50 lb upil 4 lb uplift at joint joint 37, 35 lb upil 9 lb uplift at joint ioint 27, 53 lb upil 9 lb uplift at joint gned in accordand dential Code sec ferenced standar	10.0 psf bottom any other live loads. a live load of 20.0psf here a rectangle between the bottom YF No.2. (vothers) of truss to ing 42 lb uplift at joint ff at joint 32, 57 lb 35, 53 lb uplift at joint ff at joint 38, 116 lb 30, 58 lb uplift at joint ift at joint 26, 58 lb 24 and 103 lb uplift at ce with the 2018 tions R502.11.1 and
FORCES	32=-50 (L 35=-54 (L 37=-59 (L 39=-116 (24=175 (L 26=180 (L 29=179 (L 31=209 (L 33=179 (L 33=179 (L 36=180 (L	LC 1), 25=181 (LC 22) LC 1), 27=180 (LC 1), LC 1), 30=190 (LC 22) LC 18), 32=190 (LC 22) LC 18), 35=180 (LC 1), LC 1), 35=180 (LC 21) LC 1), 39=199 (LC 21) LC 1), 39=199 (LC 21)	this design 2) Wind: ASC Vasd=91r II; Exp C; cantilever right expo 3) Truss des only. For see Stanc or consult 4) All plates 5) Gable req 6) Truss to b	19-23=-151/112 ed roof live loads ha n. CE 7-16; Vult=115m nph; TCDL=6.0psf; I Enclosed; MWFRS left and right expos- sed; Lumber DOL=' signed for wind load studs exposed to wi lard Industry Gable qualified building de are 2x4 MT20 unles uires continuous bo e fully sheathed fror ainst lateral movem	ph (3-see BCDL=6. (envelope ed; end 1.60 plate s in the p ind (norm End Deta esigner a s otherwittom choir n one fac	cond gust) Opsf; h=25ft; (e) exterior zor vertical left an grip DOL=1.1 lane of the tru al to the face) ils as applicat s per ANSI/TF d bearing. ce or securely	Cat. ne; d 60 iss), ble, PI 1.		. ,		PE-2022	NIEL X 042259

anne February 21,2024

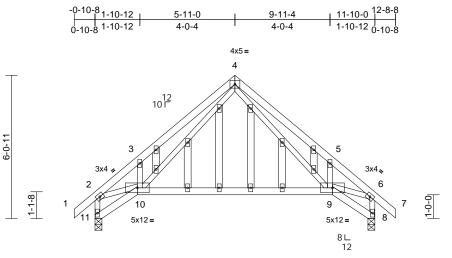
Page: 1

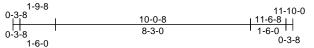
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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	E1	GABLE	1	1	Job Reference (optional)	163738440

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:54 ID:p4_c7DvQapVS5sHzVsjKN5yiJAW-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





Scale = 1	1:48.7
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FORCES

TOP CHORD

BOT CHORD

this design.

WEBS

NOTES

2)

3)

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.22	Vert(LL)	-0.15	9-10	>913	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.51	Vert(CT)	-0.32	9-10	>441	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.22	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code	IRC2018	3/TPI2014	Matrix-S		Wind(LL)	0.02	9-10	>999	240	Weight: 66 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 2x3 SPF No.2 2x4 SPF No.2 Structural wood she 5-9-10 oc purlins, e Rigid ceiling directly bracing.	xcept end verticals. applied or 10-0-0 oc I1=0-3-8 LC 6) : 9), 11=-71 (LC 8)	10 11	chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar All bearings) Bearing at jo using ANSI/7 designer sho) Provide mec bearing plate 11 and 71 lb) This truss is	is been designe ad nonconcurren has been design in chord in all ar by 2-00-00 wide yy other membe are assumed to int(s) 11, 8 com: (FII 1 angle to g uld verify capach hanical connect capable of with uplift at joint 8. designed in acc Residential Con	nt with any ned for a live eas where will fit betw rs. be SPF No siders para rain formula city of beari cion (by oth hastanding 7 cordance w	other live loa e load of 20.0 a rectangle veen the botti b.2. Building ng surface. ers) of truss t 1 lb uplift at j ith the 2018	0psf om alue to joint					

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

LOAD CASE(S) Standard

February 21,2024

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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,

(lb) - Maximum Compression/Maximum

1-2=0/44, 2-3=-860/115, 3-4=-943/273, 4-5=-896/208, 5-6=-844/48, 6-7=0/44, 2-11=-602/98, 6-8=-597/58

10-11=-199/216, 9-10=-27/344, 8-9=-20/45

4-9=-155/511, 5-9=-239/202, 4-10=-208/622, 3-10=-233/198, 2-10=-51/633, 6-9=-1/633

 see Standard industry Gable End Defails as applicable, or consult qualified building designer as per ANSI/TPI 1.
 All plates are 2x4 MT20 unless otherwise indicated.

1) Unbalanced roof live loads have been considered for

- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 6) Gable studs spaced at 1-4-0 oc.

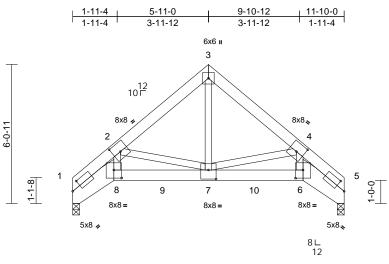
Tension

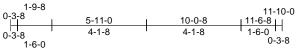
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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	E2	Roof Special Girder	1	2	Job Reference (optional)	163738441

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:54 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

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Scale = 1:50.2

Plate Offsets (X,	, Y): [1:0-4-13,0-3-0], [2:0-4-0,0-4-8], [4:	0-4-0,0-4-8	3], [5:0-4-13,0-	3-0], [6:0-4-0,0-	4-4], [7:0-4	-0,0-4-12], [8	8:0-4-0,0-4	4-4]				
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		тс	0.51	Vert(LL)	-0.07	6-7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.43	Vert(CT)	-0.12	6-7	>999	240		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.61	Horz(CT)	0.12	5	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S		Wind(LL)	0.04	7-8	>999	240	Weight: 167 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS (s M M FORCES TOP CHORD	2x6 SPF No.2 2x10 SP 2400F 2.0E 2400F 2.0E 2x4 SPF No.2 Structural wood she 4-9-13 oc purlins. Rigid ceiling directly bracing.	*Except* 8-6:2x6 S athing directly applie applied or 10-0-0 oc 5=0-3-8 C 6), 5=-118 (LC 9) .C 1), 5=4029 (LC 1) pression/Maximum -4195/157,	4) P d or 6) : 7) 8) 9)	Wind: ASCE Vasd=91mp II; Exp C; Er cantilever ler right expose This truss ha chord live lo. * This truss l on the bottor 3-06-00 tall II chord and at All bearings Bearing at jo using ANSI/ designer shd Provide meo bearing plate 5 and 118 lb	Matrix-S 7-16; Vult=115 h; TCDL=6.0psi closed; MWFR t and right expo d; Lumber DOL is been designe ad nonconcurre has been designe ad nonconcurre has been designe ad nonconcurre has been designe ad nonconcurre has been designe hord in all at y 2-00-00 wide hy other member are assumed to int(s) 5, 1 com FPI 1 angle to g uld verify capa hanical connece e capable of witi uplift at joint 1. designed in acc	f; BCDL=6.6 S (envelope ssed; end v =1.60 plate ed for a 10.0 nt with any ned for a liv reas where e will fit betw ers. b be SPF No iders parallu- rain formula city of beari- tion (by oth hstanding 1	sond gust) opps; h=25ft; exterior zo vertical left ar grip DOL=1.) psf bottom other live loze e load of 20.1 a rectangle veen the bott b.2. el to grain va a. Building ng surface. ers) of truss i 18 lb uplift ar	Cat. ne; nd .60 ads. Opsf om lue	7-8	>988	240	vveignt: 167 lb	FI = 10%
	1-8=-322/6649, 7-8= 6-7=-125/5249, 5-6=	-151/6649		R802.10.2 a	Residential Co nd referenced s	tandard AN	ISI/TPI 1.	and					
WEBS	3-7=-111/4769, 4-7= 2-7=-2098/232, 2-8=	-2098/191, 4-6=-64/ -140/4960	4960, 11) Hanger(s) or	other connecti ficient to suppo	on device(s) shall be	404					
NOTES					27 lb up at 1-9								~
(0.131"x3") r Top chords o staggered at	o be connected toget nails as follows: connected as follows t 0-9-0 oc. rds connected as follo	s: 2x6 - 2 rows		1404 lb dow and 27 lb up), 1404 lb down n and 27 lb up a at 10-0-8 on b such connection / of others.	at 7-11-0, a ottom chore	ind 1404 lb d d. The desig	lown			H	STATE OF M	
	t 0-2-0 oc, 2x6 - 2 ro	ws staggered at 0-4-	0 LC	DAD CASE(S)							11	FU.	
 All loads are except if not CASE(S) se provided to or 	cted as follows: 2x4 - e considered equally ted as front (F) or bar ction. Ply to ply conr distribute only loads wise indicated. roof live loads have	applied to all plies, ck (B) face in the LO nections have been noted as (F) or (B),	1) AD	Dead + Ro Plate Increa Uniform Lo Vert: 1-3 Concentrat Vert: 8=-	of Live (balance ase=1.15	1-8=-20, 6-8 404 (B), 7=-	3=-20, 5-6=-2	,				PE-2022	042259

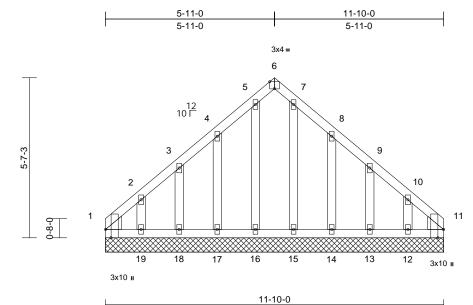
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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	F1	GABLE	1	1	Job Reference (optional)	163738442

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:54 ID:p4_c7DvQapVS5sHzVsjKN5yiJAW-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

. 45



Scale = 1:40.3	
Plate Offsets (X, Y): [1:0-3-8.Edge], [6:0-2-0.Edge], [11:0-3-8.	Edael

Loading TCLL (roof) TCDL BCLL BCDL	2	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 IRC2) 2018/TPI2014	CSI TC BC WB Matrix-S	0.04 0.03 0.03	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 11	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 59 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD OTHERS WEDGE BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 2x4 SPF No.2 2x4 SPF No.2 Left: 2x6 SPF Right: 2x6 SP Structural woo 6-0-0 oc purli Rigid ceiling c bracing. (size) 1=1 16= 14= Max Horiz 1=- Max Uplift 1=- 12= Max Grav 1=1 12= 14= 14= 12= 14= 12= 14= 12= 14= 12= 14= 12= 14= 14= 14= 14= 14= 14=	2 2 2 2 2 2 2 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4	athing directly applie applied or 10-0-0 oc , 11=11-10-0, 0, 13=11-10-0, 0, 15=11-10-0, 0, 17=11-10-0, 0, 17=11-10-0 24) 6), 11=-27 (LC 7), C 9), 13=-56 (LC 9), C 9), 16=-3 (LC 5), C 8), 18=-57 (LC 8),	d or ;), 16), 15),	 WEBS NOTES 1) Unbalanced this design. 2) Wind: ASCE Vasd=91mpl II; Exp C; En cantilever lef right expose 3) Truss desig only. For stu see Standarn or consult qu 4) All plates as designed 5) Gable requir 6) Gable studs 7) This truss ha chord live loz 8) * This truss ha chord live loz 8) * This truss ha chord and ar 9) All bearings 10) Provide mec bearing plate 	2-19=-119/116, 3- 5-16=-89/19, 7-15 5-16=-89/19, 7-15 5-13=-100/74, 10- roof live loads hav 7-16; Vult=115m r; TCDL=6.0psf; E closed; MWFRS I t and right expose d; Lumber DOL=1 hed for wind loads dds exposed to wid d Industry Gable E alified building de e 2x4 MT20 unless es continuous bot spaced at 1-4-0 c is been designed ad nonconcurrent has been designed an chord in all area by 2-00-00 wide w y other members are assumed to b hanical connectio c capable of withs	=-78/0, £ 12=-115, ve been of ph (3-sec 3CDL=6.1 (enveloped; end v. 60 plate s in the p nd (norm End Deta esigner a: s otherwit tom chor for a 10.0 with any d for a liv as where ill fit betv e SPF No n (by oth tanding 1	8-14=-107/92, /112 considered for cond gust) Opsf; h=25ft; (a) exterior zor vertical left an grip DOL=1.6 lane of the tru val to the face) ils as applicat s per ANSI/TF se indicated. d bearing. O psf bottom other live load re load of 20.0 a rectangle veen the botto o.2. ers) of truss to 105 lb uplift at	cat. le; d So So Je, Pl 1. ds. Jpsf pm po joint				STE OF	MISSOL
FORCES	Tension 1-2=-188/116 4-5=-71/83, 5	, 2-3=-9 -6=-46/0 -9=-59/2	oression/Maximum)7/76, 3-4=-81/56, 64, 6-7=-42/60, 26, 9-10=-82/46,		at joint 16, 5 Ib uplift at joi at joint 12. 11) This truss is International	Ift at joint 18, 74 lk 2 lb uplift at joint 1 nt 14, 56 lb uplift designed in accol Residential Code	, 27 lb up at joint 13 rdance w	plift at joint 11 3 and 101 lb u ith the 2018 \$ R502.11.1 a	, 76 plift		•	K	FC NATHL	
BOT CHORD	1-19=-57/134 17-18=-57/13 15-16=-57/13 13-14=-57/13 11-12=-57/13	, 18-19= 4, 16-17 4, 14-18 4, 12-13	7=-57/134, 5=-57/134,		R802.10.2 a	nd referenced sta Standard	ndard AN	NSI/TPI 1.			,	SA	PE-2022 FESSIONA Februar	2042259 E H AL ENGLES Y 21,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	F2	COMMON	5	1	Job Reference (optional)	163738443

Run: 8.73 E Jan 4 2024 Print: 8.730 E Jan 4 2024 MiTek Industries, Inc. Tue Feb 20 10:01:00 ID:p4_c7DvQapVS5sHzVsjKN5yiJAW-9P7YqfDFjzSfm8wmQZQNPeBxgeQ0E8Sirxj0wBzjHD2 Page: 1

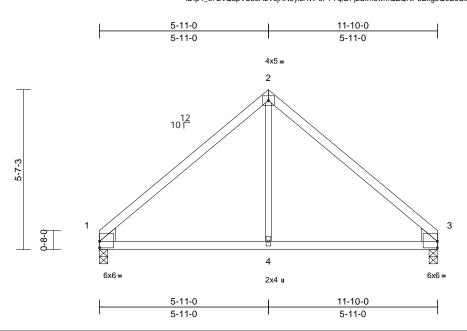


Plate Offsets (X, Y): [1:Edge,0-2-12], [3:Edge,0-2-12]

	(X, Y): [1:Edge,0-2-12], [3:Edge,0-2-12]	-									
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.03	3-4	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.06	3-4	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.03	1-4	>999	240	Weight: 38 lb	FT = 10%
LUMBER			7) This truss i	s designed in acc	ordance w	ith the 2018						
TOP CHORD	2x4 SPF No.2		Internation	al Residential Coc	de sections	R502.11.1 a	and					
BOT CHORD	2x4 SPF No.2		R802.10.2	and referenced st	andard AN	ISI/TPI 1.						
WEBS	2x3 SPF No.2		LOAD CASE(S	 Standard 								
WEDGE	Left: 2x6 SPF No.2											
	Right: 2x6 SPF No.2	2										
BRACING												
TOP CHORD		athing directly appli	ed or									
	6-0-0 oc purlins.											
BOT CHORD	0 0 ,	applied or 10-0-0 o	С									
	bracing.											
REACTIONS		3-8, 3=519/0-3-8										
	Max Horiz 1=-137 (L	,										
	Max Uplift 1=-50 (LC											
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension	E70/404										
TOP CHORD BOT CHORD	,											
WEBS	1-4=-1/341, 3-4=-1/3 2-4=0/286	041										
	2-4=0/200											
NOTES												
 Unbalance this design 	ed roof live loads have	been considered to	r									
	CE 7-16; Vult=115mph	(2 second quet)										
	mph; TCDL=6.0psf; BC		Cat								TATE OF	alle
	Enclosed; MWFRS (er										B.C. OF	MISS
	left and right exposed									L	9.20	N'OS
	sed; Lumber DOL=1.6									8	NATHA	NIEL XP.V
	has been designed fo									B	FO	
	load nonconcurrent wi									8	h a	1 solet
	ss has been designed f		Opsf							47		
	ttom chord in all areas									N /	Alla	
	all by 2-00-00 wide will	nt between the botto	m							NE	W WWW	MERCY MANY
	d any other members. gs are assumed to be \$	SPE No 2 orushing								N	OF PE-2022	042259
capacity o		SEE NO.2 CLUSHING								N	1st	18A
	nechanical connection	(by others) of trues t	0							X	SSIONA	JO'A
	late capable of withstar										ONA	LELA
	lb uplift at joint 3.		-								NA	THE

Provide mechanical connection (by others) of truss to 6) bearing plate capable of withstanding 50 lb uplift at joint 1 and 50 lb uplift at joint 3.

February 21,2024

an

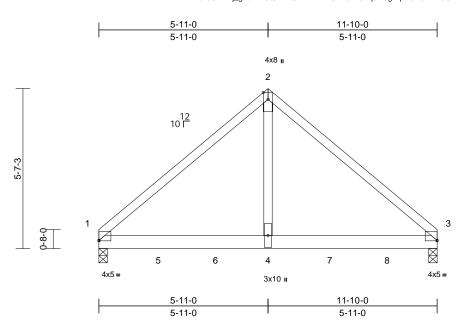




Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	F3	COMMON GIRDER	1	2	Job Reference (optional)	163738444

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:55 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:40.3

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

	(,,, ,): [::⊇age;e e :];	[0:2490;0 0 1]											
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	0.69 0.64 0.64	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.08 -0.14 0.01	(loc) 1-4 1-4 3	l/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20	GRIP 197/144
BCDL	10.0	Code		8/TPI2014	Matrix-S	0.04	Wind(LL)	0.05	1-4	>999	240	Weight: 102 lb	FT = 10%
 (0.131"x3" Top chord oc. Bottom ch staggered Web conn 2) All loads a except if n CASE(S) s provided t unless oth 3) Unbalance this design 4) Wind: ASC Vasd=91n II; Exp C; cantilever 	2x6 SP 2400F 2.0E 2x4 SPF No.2 Structural wood shee 4-11-7 oc purlins. Rigid ceiling directly bracing. (size) 1=0-3-8, 3 Max Horiz 1=135 (LC Max Uplift 1=-260 (L Max Grav 1=4057 (L (lb) - Maximum Com Tension 1-2=-4333/236, 2-3= 1-4=-103/3160, 3-4= 2-4=-130/5206 s to be connected toged ') nails as follows: is connected as follows: brods connected as follows: ords connected as follows: pords connected equally oted as font (F) or bas section. Ply to ply com o distribute only loads herwise indicated.	applied or 10-0-0 or 3=0-3-8 C 7) C 8), 3=-153 (LC 9) .C 1), 3=4224 (LC 1) pression/Maximum -4333/237 -103/3160 ther with 10d s: 2x4 - 1 row at 0-9- ows: 2x6 - 2 rows 1 row at 0-9-0 oc. applied to all plies, ck (B) face in the LO the considered for (3-second gust) DL=6.0ps; h=25ft; Co velope) exterior zond ; end vertical left and	6) d or 7) 3 8) 9) 10 10 10 10 10 10 10 10 10 10	chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar All bearings Provide mec bearing plate 1 and 153 lb This truss is International R802.10.2 ar I) Hanger(s) or provided suff lb down and up at 4-1-0, 1447 lb down and 29 lb up selection of s responsibility DAD CASE(S) Dead + Roo Plate Increa Uniform Loo Vert: 1-2 Concentrati	Standard of Live (balanced) ase=1.15	with any d for a liv as where vill fit betw s. be SPF No on (by oth standing 2 ordance w e sections andard AN o device(s concentre -0, 1451 II d 29 lb up 8-1-0, ar tom chore device(s)): Lumber 3=-20	other live load e load of 20. a rectangle veen the bott 0.2 . ers) of truss 60 lb uplift a ith the 2018 R502.11.1 a (SI/TPI 1.) shall be tied load(s) ' o down and 2 o at 6-1-0, ar d 1447 lb dc d. The desig is the Increase=1.	0psf tom to to ti joint and 1447 29 lb nd own ywn yn/				STATE OF M STATE OF M NATHA PE-2022	042259

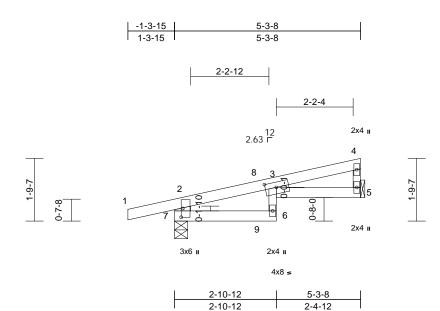
February 21,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO		
B240016	J1	Diagonal Hip Girder	2	1	Job Reference (optional)	163738445	

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:55 ID:t5IN2KQdAXrK8QE5zqsszuzjI_A-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:32.8

Plate Offsets (X, Y): [3:0-3-12,0-1-13], [7:0-3-0,0-0-8]

Plate Offsets	s (X, Y): [3:0-3-12,0-1-1	3], [7:0-3-0,0-0-8]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-R	0.60 0.26 0.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.06 -0.11 0.06 0.06	(loc) 6 6 5 6	l/defl >927 >544 n/a >926	L/d 360 240 n/a 240	PLATES MT20 Weight: 15 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORE BOT CHORE WEBS BRACING TOP CHORE BOT CHORE REACTIONS	 2x4 SPF No.2 *Exce 2x6 SPF No.2 *Exce Structural wood she 5-3-8 oc purlins, ex Rigid ceiling directly bracing. 	ept* 4-5:2x3 SPF No eathing directly applie cept end verticals. applied or 10-0-0 or anical, 7=0-4-7 5) 2 8), 7=-128 (LC 4) C 1), 7=361 (LC 1)	.2 ed or9) c	provided suf down and 33 and 27 lb do The design/s responsibility) In the LOAD of the truss a OAD CASE(S)) Dead + Ro Plate Incre Uniform Lo Vert: 1-2	CASE(S) section are noted as front Standard of Live (balanced) ase=1.15 ads (lb/ft) ==-70, 2-3=-70, 3-4 ed Loads (lb)	concentra n top cho at 2-9-8 c connectio n, loads ap (F) or ba): Lumber	ted load(s) i rd, and at 2 in bottom ch n device(s) i oplied to the ck (B). Increase=1.	e-4-3, ord. s the face .15,					
TOP CHORE	2-7=-354/149, 1-2=0 3-4=-85/20, 4-5=-14	9/55											
NOTES 1) Wind: AS Vasd=91 II; Exp C cantilever right exp 2) This trus chord live 3) * This tru on the bo	SCE 7-16; Vult=115mph Imph; TCDL=6.0psf; BC ; Enclosed; MWFRS (er er left and right exposed losed; Lumber DOL=1.6 is has been designed fo e load nonconcurrent wi loss has been designed fo tottom chord in all areas tall by 2-00-00 wide will	a (3-second gust) CDL=6.0psf; h=25ft; (hvelope) exterior zor ; end vertical left an 10 plate grip DOL=1.1 r a 10.0 psf bottom ith any other live load for a live load of 20.0 where a rectangle	ne; d 60 ds. 0psf									STATE OF I	MISSOLUR INIEL X

- 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 128 lb uplift at joint 7 and 58 lb uplift at joint 5.
- 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.

9) February 21,2024 Mile Mile Ridge Rd. Chesterfield, MQ 63017

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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	J2	Jack-Open	3	1	Job Reference (optional)	163738446

-0-10-8

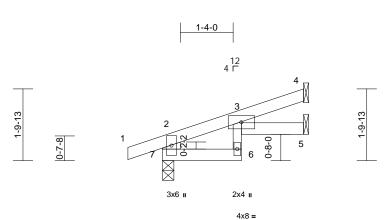
0-10-8

Wheeler Lumber, Waverly, KS - 66871,

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:55 ID:hR3McxtOmiAjFWISqtZleOzjI_t-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





2 0 0 1

3-6-15

3-6-15

2-0-0	3-6-15
2-0-0	1-6-15

Scale = 1:29.2

Boald = HEOLE												
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	0.18	Vert(LL)	-0.01	6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	-0.02	6	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.01	6	>999	240	Weight: 10 lb	FT = 10%
LUMBER			7) This truss	is designed in acc	ordance w	ith the 2018						
TOP CHORD	2x4 SPF No.2		Ínternation	al Residential Coc	de sections	R502.11.1 a	and					
BOT CHORD	2x4 SPF No.2 *Exce	ept* 6-3:2x3 SPF No.	.2 R802.10.2	and referenced st	tandard AN	ISI/TPI 1.						
WEBS	2x6 SPF No.2		LOAD CASE(Standard 								
BRACING												
TOP CHORD	Structural wood she		ed or									
	3-6-15 oc purlins, e											
BOT CHORD	Rigid ceiling directly bracing.	applied or 6-0-0 oc										
REACTIONS	0	anical, 5= Mechanica	al,									
	7=0-3-8											
	Max Horiz 7=58 (LC	,										
	Max Uplift 4=-32 (LC	C 8), 5=-5 (LC 8), 7≕	-68									
	(LC 4) Max Grav 4=82 (LC	1) 5-54 (1 C 2) 7-2	220									
	(LC 1)	1), 5=54 (LC 5), 7=2	230									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	2-7=-233/87, 1-2=0/	24, 2-3=-56/0, 3-4=-	16/22									
BOT CHORD	6-7=-4/10, 3-6=-4/44	4, 3-5=-9/4										
NOTES												
	CE 7-16; Vult=115mph											
	nph; TCDL=6.0psf; BC											
	Enclosed; MWFRS (er											
	left and right exposed										OF I	AP
	sed; Lumber DOL=1.6 has been designed fo		00								TE OF I	NISS D
2) 1115 ILUSS	nas been designed to										TN	

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 68 lb uplift at joint 7, 32 lb uplift at joint 4 and 5 lb uplift at joint 5.



February 21,2024

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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 for use only with with twit even connectors. This design is based only upon parameters shown, and is for an individual building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	J3	Jack-Open	2	1	Job Reference (optional)	163738447

-0-10-8

0-10-8

Wheeler Lumber, Waverly, KS - 66871,

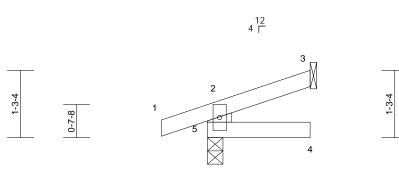
Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:55 ID:oaj8VJ?Eja6xcSocclGQjDzjI0?-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

1-11-5

1-11-5

Page: 1





3x6 m

1-11-5

Ocale = 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	0.08	Vert(LL)	-0.01	4	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.02	4	>819	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 0.00	3 4	n/a >999	n/a 240	Weight: 6 lb	FT = 10%
BCDL	10.0	Code	IRC2018/1PI2014	iviatrix-R		wind(LL)	0.00	4	>999	240	weight: 6 lb	F1 = 10%
LUMBER												
TOP CHORD												
BOT CHORD												
WEBS	2x6 SPF No.2											
BRACING TOP CHORD		othing disectly appli										
TOP CHORD	Structural wood she 1-11-5 oc purlins, e		ed or									
BOT CHORD			с									
	bracing.		-									
REACTIONS	(size) 3= Mecha	anical, 5=0-3-8										
	Max Horiz 5=36 (LC											
	Max Uplift 3=-16 (LC											
	Max Grav 3=52 (LC											
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD		24 2-3=-21/13										
BOT CHORD	,	21, 20-21/10										
NOTES												
	CE 7-16; Vult=115mph	(3-second gust)										
Vasd=91n	nph; TCDL=6.0psf; BC	DL=6.0psf; h=25ft; (Cat.									
	Enclosed; MWFRS (er											
	left and right exposed											
	sed; Lumber DOL=1.6 has been designed for		60									
	load nonconcurrent wi		ds.								000	and
	s has been designed f										TATE OF	MISC
on the bot	ttom chord in all areas	where a rectangle									4 SE	~30,4
	all by 2-00-00 wide will	fit between the botto	om							B	NATU	ANIEL
	any other members.									8	4/	DX V
	gs are assumed to be \$ jirder(s) for truss to tru									° A 🖌		· 1 5
	nechanical connection (0							a/1	11.	
	late capable of withstar									AL	a//Kam	al stable
5 and 16 I	lb uplift at joint 3.									143	St a MINOR	BER A
	is designed in accorda									N.	OX PE-202	2042259
	nal Residential Code s		ind							Y	No.	154
	5 and 16 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											
LOAD CASE(Standard										ALON.	AL S

WAL DO February 21,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	J4	Jack-Closed Supported Gable	1	1	Job Reference (optional)	163738448

-0-10-8

0-10-8

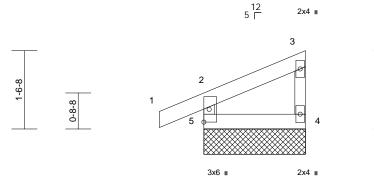
Wheeler Lumber, Waverly, KS - 66871,

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:56 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

1-6-8

Page: 1





2-0-0

2-0-0

2-0-0

Scale = 1:22.7

Scale = 1.22.7												
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	0.06	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R	0.00		0.00	•			Weight: 7 lb	FT = 10%
LUMBER		!	9) Provide m	echanical connec	tion (by oth	ers) of truss to			_			
TOP CHORD	2x4 SPF No.2			ate capable of wit								
BOT CHORD				b uplift at joint 4.	J							
NEBS	2x3 SPF No.2		10) This truss	is designed in ac	cordance w	ith the 2018						
BRACING			Internation	nal Residential Co	de sections	s R502.11.1 a	nd					
TOP CHORD	Structural wood she	athing directly appli	ed or R802.10.2	and referenced	standard AN	ISI/TPI 1.						
	2-0-0 oc purlins, ex	0 7 11	LOAD CASE(Standard								
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 c	C									
	bracing.											
REACTIONS	(size) 4=2-0-0, 5	5=2-0-0										
	Max Horiz 5=58 (LC											
	Max Uplift 4=-19 (LC											
	Max Grav 4=62 (LC	1), 5=168 (LC 1)										
FORCES	(lb) - Maximum Corr	npression/Maximum										
	Tension											
TOP CHORD	,	26, 2-3=-43/9, 3-4=	-45/24									
BOT CHORD	4-5=-19/12											
NOTES		(a										
	CE 7-16; Vult=115mph		o /									
	mph; TCDL=6.0psf; BC Enclosed; MWFRS (er											
· · · ·	· left and right exposed		,									
	sed; Lumber DOL=1.6											
	signed for wind loads in											
	studs exposed to wind										200	TOP
see Stand	dard Industry Gable En	d Details as applica	ble,								A OF	MISC
	t qualified building desi		PI 1.							1	TATE OF	W.OS
	quires continuous botto									R	NATH	ANITE VAN
,	be fully sheathed from o	,								A		ANIEL CAN
	painst lateral movemen	t (i.e. diagonal web)).							2 4	FU	
	ds spaced at 2-0-0 oc.	r a 10.0 paf battam								1 M	the .	1 4 8
	has been designed fo load nonconcurrent wi		de								hand	V Simb
	ss has been designed f									N	X Y UKOK	BER ONS
	ttom chord in all areas		opor							N3	PE-202	2042259
	all by 2-00-00 wide will		om							N.	The second	124
	any other members.									X	1ºSer	GA
	gs are assumed to be	SPF No.2 .									SSION	ALES
											and and	TOTA
											Echrucy	N 21 2024

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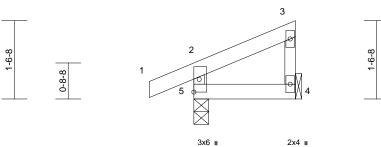
February 21,2024

Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	J5	Jack-Closed	5	1	Job Reference (optional)	163738449

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:56 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1







2x4 🛛

2-0-0

Scale = 1:22.7

Scale = 1:22.7											
Loading (psf) TCLL (roof) 25.0 TCDL 10.0 BCLL 0.0* BCDL 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-R	0.06 0.02 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 4-5	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 7 lb	GRIP 197/144 FT = 10%
BOT CHORD 2-0-0 oc purlins, ex Rigid ceiling directly bracing. REACTIONS (size) 4= Mecha Max Horiz 5=58 (LC Max Uplift 4=-19 (LC Max Grav 4=62 (LC	v applied or 10-0-0 oc anical, 5=0-3-8 5 5) C 5), 5=-40 (LC 4) 1), 5=168 (LC 1)				<i>,</i>						
 FORCES (Ib) - Maximum Com Tension TOP CHORD 2-5=-149/52, 1-2=0/ BOT CHORD 4-5=-19/12 NOTES 1) Wind: ASCE 7-16; Vult=115mph Vasd=91mph; TCDL=6.0psf; BC II; Exp C; Enclosed; MWFRS (er cantilever left and right exposed right exposed; Lumber DOL=1.6 2) This truss has been designed fo chord live load nonconcurrent w 3) * This truss has been designed fo on the bottom chord in all areas 3-06-00 tall by 2-00-00 wide will chord and any other members. 4) All bearings are assumed to be 3- 50 Refer to girder(s) for truss to tru 6) Provide mechanical connection bearing plate capable of withstat 5 and 19 lb uplift at joint 4. 7) This truss is designed in accorda International Residential Codes R802.10.2 and referenced stance LOAD CASE(S) Standard 	26, 2-3=-43/9, 3-4=-4 (3-second gust) DL=6.0psf; h=25ft; C nvelope) exterior zon ; end vertical left and 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. Iss connections. (by others) of truss to nding 40 lb uplift at jo ance with the 2018 ections R502.11.1 at	Cat. e; d S0 ds. psf m D						•		S NATH/ FO	BER 042259

February 21,2024

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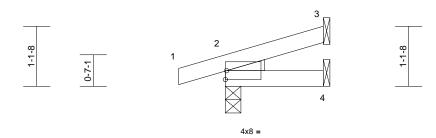
Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	J6	Jack-Open	2	1	Job Reference (optional)	163738450

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:56 ID:gpvoC3ePoMKB0rVrrSkOWuzjI0T-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

-0-10-8	1-10-0
0-10-8	1-10-0



1-10-0



Scale = 1:21.6												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.05	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: 6 lb	FT = 10%

LUMBER TOP CHORD BOT CHORD	2x4 SPF No.2 2x4 SPF No.2	LOAD CASE(S)	Standard	
WEDGE	Left: 2x3 SPF No.2			
BRACING				
TOP CHORD	Structural wood sheathing directly applied or 1-10-0 oc purlins.			
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.			
REACTIONS	(size) 2=0-3-8, 3= Mechanical, 4= Mechanical Max Horiz 2=32 (LC 8) Max Uplift 2=-55 (LC 4), 3=-28 (LC 8) Max Grav 2=160 (LC 1), 3=47 (LC 1), 4=36 (LC 3)			
FORCES	(lb) - Maximum Compression/Maximum Tension			
TOP CHORD				
BOT CHORD				
NOTES				
Vasd=91m II; Exp C; I cantilever right expos	CE 7-16; 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			A Constant
	has been designed for a 10.0 psf bottom load nonconcurrent with any other live loads.			SE OF MISS
 This trus on the bot 3-06-00 ta chord and 	s has been designed for a live load of 20.0psf tom chord in all areas where a rectangle Il by 2-00-00 wide will fit between the bottom any other members.			STE OF MISSOL
	s are assumed to be SPF No.2 . rder(s) for truss to truss connections.		4	The STER
6) Provide m bearing pla	action of the second se			PE-2022042259
 This truss Internation 	is designed in accordance with the 2018 al Residential Code sections R502.11.1 and and referenced standard ANSI/TPI 1.			Solonal ENGLY
				February 21,2024

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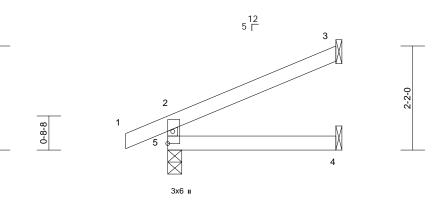


Page: 1

Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	J7	Jack-Open	8	1	Job Reference (optional)	163738451

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:56 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





3-6-0

Scale = 1:24													
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	0.16	Vert(LL)	-0.01	4-5	>999	360	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.01	4-5	>999	240			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	3	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.01	4-5	>999	240	Weight: 10 lb	FT = 10%	

LUMBER			LOAD CASE(S)	Standard
TOP CHORD	2v4 SPF	No 2	LOAD CASE(S)	Stanuaru
BOT CHORD				
WEBS	2x3 SPF			
BRACING	2.00 0.1 1			
TOP CHORD	Structura	wood sheathing directly applied or		
		ourlins, except end verticals.		
BOT CHORD		ing directly applied or 10-0-0 oc		
	bracing.	0 , 11		
REACTIONS	(size)	3= Mechanical, 4= Mechanical,		
		5=0-3-8		
		5=65 (LC 8)		
		3=-55 (LC 8), 5=-34 (LC 8)		
	wax Grav	3=103 (LC 1), 4=63 (LC 3), 5=229 (LC 1)		
FORCES		imum Compression/Maximum		
	Tension			
TOP CHORD		/64, 1-2=0/26, 2-3=-56/31		
BOT CHORD	4-5=0/0			
NOTES				
		It=115mph (3-second gust)		
		6.0psf; BCDL=6.0psf; h=25ft; Cat.		
		IWFRS (envelope) exterior zone; at exposed ; end vertical left and		
	0	r DOL=1.60 plate grip DOL=1.60		
		esigned for a 10.0 psf bottom		
		ncurrent with any other live loads.		
3) * This true	ss has been	designed for a live load of 20.0psf		
on the bo	ttom chord in	n all areas where a rectangle		
		0 wide will fit between the bottom		
	d any other n	nembers.		

2-2-0

- 4) All bearings are assumed to be SPF No.2 .
- Refer to girder(s) for truss to truss connections.
 Provide mechanical connection (by others) of truss to
- bearing plate capable of withstanding 34 lb uplift at joint 5 and 55 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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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO				
B240016	J8	Diagonal Hip Girder	1	1	Job Reference (optional)	163738452			

<u>-1-2-14</u> 1-2-14

Wheeler Lumber, Waverly, KS - 66871,

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:56 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

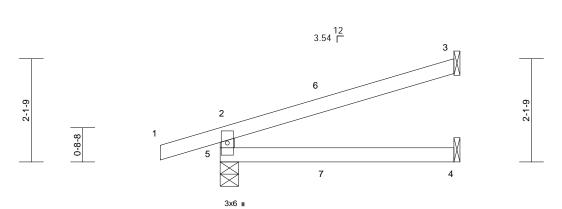
4-9-14

4-9-14

4-9-14



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Scale) = 1	1:23.8	

Ocale = 1.20.0						-		-					-		
Loading TCLL (roof) TCDL BCLL BCDL		(psf) 25.0 10.0 0.0* 10.0	Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 NO	8/TPI2014	CSI TC BC WB Matrix-R	0.35 0.21 0.00	. ,	in -0.02 -0.05 0.01 0.02	(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: 13 lb	GRIP 197/144 FT = 10%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF N 2x4 SPF N 4-9-14 oc p Rigid ceilin bracing. (size) Max Horiz 4 Max Uplift 3 Max Grav 6	0.2 0.2 0.2 wood shee purlins, er ig directly 3= Mecha 5=0-4-9 5=70 (LC 3=-64 (LC 3=-64 (LC (LC 1)	athing directly applied ccept end verticals. applied or 10-0-0 oc nical, 4= Mechanical, 4) 8), 5=-92 (LC 4) ; 1), 4=86 (LC 3), 5=3	8) or 9) LC 1)	Hanger(s) or provided suf down and 22 up at 2-1-0 2-1-0, and 2 chord. The c (s) is the res In the LOAD of the truss a DAD CASE(S) Dead + Roc Plate Increa Uniform Lo Vert: 1-2 Concentrat	other connection ficient to support 2 lb up at 2-1-0, on top chord, an lb down and 2 lk design/selection ponsibility of oth CASE(S) section are noted as from Standard of Live (balanced ase=1.15	t concentra and 66 lb d 2 lb dow o up at 2-' of such cc ers. n, loads a it (F) or ba	Ated load(s) 6 down and 22 n and 2 lb up -0 on bottom nonection dev oplied to the ck (B).	66 lb l lb at rice face	4-3	7999	240	wegnit. 13 ib	1 = 1076	
FORCES TOP CHORD BOT CHORD	Tension 2-5=-280/1		pression/Maximum /27, 2-3=-70/30			, , , , , , , , , , , , , , , , , , ,									

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 * This truss has been designed for a live load of 20.0psf
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 92 lb uplift at joint 5 and 64 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.

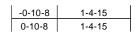




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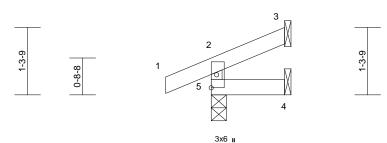
Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	J9	Jack-Open	2	1	Job Reference (optional)	163738453

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:57 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





1-4-15



Scale =	1:22.2
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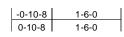
			· · · · · · · · · · · · · · · · · · ·										
Loadi	na	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	-	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL		10.0	Lumber DOL	1.15	BC	0.01	Vert(CT)	0.00	4-5	>999	240		
BCLL		0.0*	Rep Stress Incr	YES	WB	0.00	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: 5 lb	FT = 10%
LUMB	ED			LOAD CASE(S)	Standard								
		SPF No.2			Otaridard								
		SPF No.2											
WEBS	2x3	SPF No.2											
BRAC													
TOP C			athing directly applie	d or									
DOT			except end verticals.										
BOLC	HORD Rigi brac		applied or 10-0-0 oc	;									
REAC	TIONS (size)	0	anical, 4= Mechanica	I									
	(0.20)	5=0-3-8		.,									
		Horiz 5=33 (LC											
			C 8), 5=-34 (LC 4)										
	Max 0		1), 4=24 (LC 3), 5=1	53									
FORC	ES (Ib)	(LC 1) Maximum Corr	pression/Maximum										
TONO	Tens		ipression/maximum										
TOP C		-136/45, 1-2=0/	26, 2-3=-26/6										
BOT C	HORD 4-5=	=0/0											
NOTE	s												
			i (3-second gust)										
			DL=6.0psf; h=25ft; C										
			nvelope) exterior zon ; end vertical left and										
			0 plate grip DOL=1.6									000	ADD
			r a 10.0 psf bottom									TE OF M	MISSIN
			ith any other live load									TE	-0.0 M
			for a live load of 20.0	psf							A	NATHA	
			where a rectangle								A	FO	
		ther members.	fit between the botto	rn						•	TA/	1 A	
		assumed to be	SPF No.2 .								1 P	HTT-0	
			iss connections.								M	V Kashin	\$7.61
			(by others) of truss to							/	W	X Y WKOM	
			nding 34 lb uplift at jo	pint							N.	PE-2022	042259
	and 19 lb uplift		ance with the 2018								Y	N. P.O.	154
			ections R502.11.1 ar	nd							12	ESSIONA	TENA
			lard ANSI/TPI 1.									ALLA ALLA	- Contraction of the second se
												February	/ 21,2024
												robidary	

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Job	Truss	Truss Type C		Ply	Lot 175 WO		
B240016	J10	Jack-Closed Supported Gable	2	1	Job Reference (optional)	163738454	

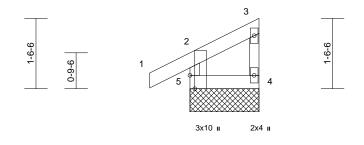
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1-6-0

2x4 🛛



Scale = 1:25

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

	-										
Loading (psf) TCLL (roof) 25.0 TCDL 10.0 BCLL 0.0* BCDL 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-R	0.07 0.01 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 6 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x3 SPF No.2 BRACING TOP CHORD Structural wood sheat 1-6-0 oc purlins, exc BOT CHORD Rigid ceiling directly bracing. REACTIONS (size) 4=1-6-0, 5 Max Horiz 5=56 (LC: Max Uplift 4=-22 (LC Max Grav 4=36 (LC FORCES (lb) - Maximum Com Tension TOP CHORD 2-5=-137/45, 1-2=0/3 3-4=-23/20 BOT CHORD 4-5=-20/14 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) Truss designed for wind loads in only. For studs exposed to wind see Standard Industry Gable Enc or consult qualified building desig 3) Gable requires continuous bottor 4) Truss to be fully sheathed from o braced against lateral movement 5) Gable studs spaced at 2-0-0 oc. 6) This truss has been designed for chord live load nonconcurrent wif 7) * This truss has been designed for or the bottom chord in all areas of 3-06-00 tall by 2-00-00 wide will 1 chord and any other members.	cept end verticals. applied or 6-0-0 oc 5=1-6-0 5) 5), 5=-33 (LC 8) 15), 5=153 (LC 1) pression/Maximum 31, 2-3=-38/13, (3-second gust) DL=6.0psf; h=25ft; C welope) exterior zone ; end vertical left and D plate grip DDL=1.6 the plane of the trus (normal to the face), d Details as applicabl gner as per ANSI/TPI n chord bearing. me face or securely (i.e. diagonal web). a 10.0 psf bottom th any other live load or a live load of 20.0p	9) Provide n bearing p 5 and 22 10) This truss Internatio R802.10. LOAD CASE	gs are assumed to techanical connecti late capable of with lb uplift at joint 4. .is designed in acc nal Residential Cod 2 and referenced st (S) Standard	on (by oth standing 3 ordance w le sections	ers) of truss t i3 lb uplift at j ith the 2018 i R502.11.1 a	oint				athas	

February 21,2024



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Job	Truss	Truss Type		Ply	Lot 175 WO	100700455	
B240016	J11	Jack-Closed	2	1	Job Reference (optional)	163738455	

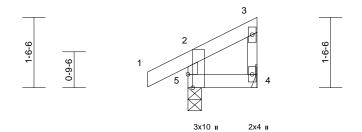
Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:57 ID:vTrVpuwPhEuZQmVWuZAYdRzjI1O-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-6-0

2x4 🛛



Scale	=	1:25	

Plate Offsets (X, Y): [5:0-3-8,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	TC	0.07	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.01	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	0.00	Wind(LL)	0.00	4-5	>999	240	Weight: 6 lb	FT = 10%
											···	
LUMBER			LOAD CASE(S)	Standard								
TOP CHORD	2x4 SPF No.2											
BOT CHORD												
WEBS	2x3 SPF No.2											
BRACING												
TOP CHORD	Structural wood she	athing directly appli	ed or									
	1-6-0 oc purlins, ex											
BOT CHORD		applied or 6-0-0 oc										
	bracing.											
REACTIONS	()	anical, 5=0-3-8										
	Max Horiz 5=56 (LC											
	Max Uplift 4=-22 (LC											
	Max Grav 4=36 (LC	15), 5=153 (LC 1)										
FORCES	(lb) - Maximum Corr	npression/Maximum										
	Tension											
TOP CHORD	,	31, 2-3=-38/13,										
	3-4=-23/20											
BOT CHORD	0 4-5=-20/14											
NOTES												
	SCE 7-16; Vult=115mph											
	mph; TCDL=6.0psf; BC											
	; Enclosed; MWFRS (er											
	r left and right exposed										000	TOP
	osed; Lumber DOL=1.6 s has been designed fo		.60								TATE OF	MISCO
	e load nonconcurrent w		de								4 TH	
	ss has been designed f									6	N.	New M
	ottom chord in all areas		opsi							H	S/ MAIII	
	all by 2-00-00 wide will		om							H.	FC FC	XX XX
	d any other members.									aA	1A	
	ngs are assumed to be	SPF No.2 .								Ø		1 bla
	girder(s) for truss to trus									VL	A h han	the stimule
	mechanical connection		to							109		ALLANDO ALLAND
bearing p	late capable of withsta	nding 33 lb uplift at j	joint							N.	PE-202	2042259
5 and 22	lb uplift at joint 4.									Y	No.	
	s is designed in accorda									6	W SIG	FNUA
	onal Residential Code s		and								S'SION	AL U.S
R802.10.	2 and referenced stand	lard ANSI/TPI 1.									un	000
											Fabrica	. 01 0001

February 21,2024

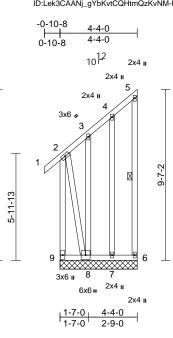
Page: 1



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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	К1	Monopitch Supported Gable	2	1	Job Reference (optional)	163738456

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:57 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



9-7-2

Scale = 1:64.7

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	0.32	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.36	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC20	18/TPI2014	Matrix-P							Weight: 53 lb	FT = 10%
		cept end verticals. applied or 10-0-0 o 5-6 7=4-4-0, 8=4-4-0, 9= .C 6)	ed or nc	 on the botton 3-06-00 tall il All bearings Provide mec bearing plate 9, 23 lb uplif uplift at joint 10) This truss is International 	designed in acco Residential Cod nd referenced sta	eas where will fit betw s. be SPF No on (by oth standing 5 o uplift at jo ordance w e sections	a rectangle veen the bott o.2 . ers) of truss t 08 lb uplift at obint 8 and 77 ith the 2018 r R502.11.1 at	om to t joint Ib					
	Max Grav 6=50 (LC	=-508 (LC 6) 15), 7=145 (LC 15) C 6), 9=655 (LC 5)	,										
FORCES	(lb) - Maximum Com Tension	,, , ,											
TOP CHORD	2-9=-648/519, 1-2=0 3-4=-98/53, 4-5=-40	, , ,											
BOT CHORD	8-9=-155/139, 7-8=0	0/0, 6-7=0/0											
WEBS	3-8=-76/45, 4-7=-11	7/94, 2-8=-575/641											
NOTES													
1) Wind: ASC	CE 7-16; Vult=115mph	(3-second gust)										Same	alle
Vacd_01m	nh TCDI _6 Onef BC	DI _6 Opef: b_25ft:	Cat									AOFI	MIG W

- 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 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)
- Truss to be fully sheathed from one face or securely 4)
- braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc. 5)
- This truss has been designed for a 10.0 psf bottom 6) chord live load nonconcurrent with any other live loads.

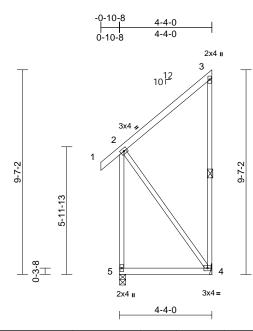


February 21,2024



Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	K2	Monopitch	6	1	Job Reference (optional)	163738457

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:57 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:54

Leading	(maf)	Cassing	2-0-0	csi		DEFL	in	(10.0)	1/104	L/d	PLATES	GRIP
Loading TCLL (roof)	(psf) 25.0	Spacing Plate Grip DOL	1.15	TC	0.47	Vert(LL)	in -0.02	(loc) 4-5	l/defl >999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.02	4-5 4-5	>999	240	101120	197/144
BCLL	0.0*	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.00	4-5	>999 n/a	240 n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P	0.23	11012(01)	0.00	4	n/a	n/a	Weight: 30 lb	FT = 10%
LUMBER			This truss is	designed in acco	rdanco wi	th the 2019	-				. · ·	
TOP CHORD	2x4 SPF No.2			Residential Code			and					
BOT CHORD	2x4 SPF No.2			nd referenced sta								
WEBS	2x3 SPF No.2		LOAD CASE(S)									
BRACING			(-)									
TOP CHORD	Structural wood she	athing directly applie	ed or									
	4-4-0 oc purlins, ex											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	С									
	bracing.											
WEBS		3-4										
REACTIONS	()	inical, 5=0-3-8										
	Max Horiz 5=-221 (L											
	Max Uplift 4=-266 (L											
	Max Grav 4=335 (LC	· · ·	5)									
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD	1-2=0/44, 2-3=-110/3 2-5=-246/111	80, 3-4=-149/112,										
BOT CHORD	2-5=-240/111 4-5=-156/139											
WEBS	2-4=-238/266											
	NOTES											
	CE 7-16; Vult=115mph	(3-second gust)										

 Wind: ASCE 7-16; Vuit=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.

 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 266 lb uplift at joint 4 and 69 lb uplift at joint 5.

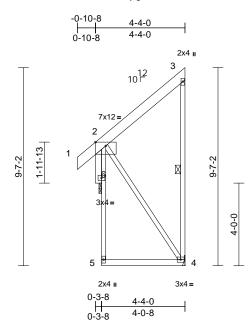


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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	КЗ	Monopitch	4	1	Job Reference (optional)	163738458

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:58 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:55.8

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)	-0.01	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.13	Vert(CT)	-0.02	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.03	Horz(CT)	-0.07	4	n/a	n/a		
BCDL	10.0	Code	IRC2018	8/TPI2014	Matrix-S		Wind(LL)	-0.01	4-5	>999	240	Weight: 36 lb	FT = 10%
		cept end verticals. applied or 10-0-0 o 3-4 anical, 6=0-1-8 C 6) C 8) C 15), 6=276 (LC 1)	_с LC	bearing plat Provide med bearing plat 4. This truss is Internationa	chanical connection e at joint(s) 6. chanical connection e capable of withs designed in accoon I Residential Code und referenced state Standard	on (by oth standing 1 ordance w e sections	ers) of truss 81 lb uplift a ith the 2018 R502.11.1 a	to t joint					
	Tension												
TOP CHORD	1-2=0/57, 2-3=-131/ 5-6=0/78, 2-6=-237/	- , ,											
BOT CHORD	4-5=-55/13												
WEBS	2-4=-24/100												
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 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.
- All bearings are assumed to be SPF No.2 . 4)
- Refer to girder(s) for truss to truss connections. 5)
- 6) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

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February 21,2024



Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	LAY1	Lay-In Gable	1	1	Job Reference (optional)	163738459

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:58

6-1-3

Page: 1 ID:u6CM_qu5i7BdkiVAQD8cgWzjI2j-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f 6-0-15 24-11-9 6-0-15 18-10-10 6x6 🍬 3x4 = 10 ⊠ 5 9 ⊠ 13 14 6 ⊠ 8 12 4 7 11 \boxtimes \square ø 15 3 6-7-4 6-7-4 16 2 __13 12 12 13 Г 1 17 0-0-4 \boxtimes \times $\times\!\!\times\!\!\times$ \times \times XXXX 27 26 25 24 23 22 21 20 19 18 3x4 🎣 3x4 🅢 18-10-7 24-11-9

18-10-7

Scale = 1:49.2

Plate Offsets	(X,	Y):	[4:0-2-9,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	0.05	Vert(LL)	n/a	-	n/a	999	MT20	197/144			
TCDL		10.0	Lumber DOL	1.15		BC	0.03	Vert(TL)	n/a	-	n/a	999					
BCLL		0.0*	Rep Stress Incr	YES		WB	0.10	Horiz(TL)	0.00	14	n/a	n/a					
BCDL		10.0	Code	IRC20)18/TPI2014	Matrix-S							Weight: 127 lb	FT = 10%			
LUMBER		-	•		TOP CHORD	1-2=-285/117, 2-3	=-164/78	3. 3-4=-74/35.		10) Provide mechanical connection (by others) of truss to							
TOP CHORD	2x4 SPF	No.2				4-5=-20/37, 5-6=-1								ing 42 lb uplift at joint			
BOT CHORD						7-8=-18/37, 8-9=-1	8/37, 9-	10=-18/37,						t at joint 18, 127 lb			
OTHERS	2x4 SPF	No.2				10-11=-18/37, 11-	12=-18/3	37, 12-13=-18/	37,					nt 26, 26 lb uplift at			
BRACING						13-14=-18/37								b uplift at joint 23, 34			
TOP CHORD	Structura	l wood she	athing directly applie	d or	BOT CHORD	1-27=-37/17, 26-2								int 21, 29 lb uplift at			
		purlins, exc				24-25=-37/18, 23-		,	,					b uplift at joint 17, 34			
			-0 max.): 4-14.			21-22=-37/18, 20-		,					and 30 lb uplift a				
BOT CHORD	Rigid ceil	ing directly	applied or 10-0-0 oc			18-19=-37/18, 17-		,					aring condition. F				
	bracing,				WEBS	15-16=-65/41, 14-								ce with the 2018 tions R502.11.1 and			
		bracing: 14			WEDS	2-27=-158/145, 3-2 4-25=-117/49, 5-2		,	58				erenced standar				
REACTIONS	(size)	,	14=24-8-0, 15=24-8	'		7-22=-143/59, 8-2								es not depict the size			
), 17=24-8-0, 18=24-	,		10-19=-143/59, 11		,	01,				of the purlin alon				
			0, 20=24-8-0, 21=24-			12-16=-144/59, 13					om choi			g the top and of			
), 23=24-8-0, 24=24-), 26=24-8-0, 27=24-		NOTES					LOAD	CASE(S) Sta	ndard				
	Max Horiz			0-0		d roof live loads hav	e been	considered for				,					
			5 6), 14=-40 (LC 8),		this design.		0.000										
	wax opint		C 4, 16=-34 (LC 5),			E 7-16; Vult=115mp	oh (3-seo	cond gust)									
			C 5), 18=-12 (LC 15)		Vasd=91m	oh; TCDL=6.0psf; E	CDL=6.	0psf; h=25ft; 0	Cat.								
			C 4), 20=-29 (LC 5),			nclosed; MWFRS (
			C 5), 22=-34 (LC 4),			eft and right expose											
		23=-34 (L	C 5), 24=-38 (LC 4),			ed; Lumber DOL=1											
		25=-26 (L	C 8), 26=-147 (LC 8)	,		gned for wind loads							and	ADD			
		27=-127 (tuds exposed to wir							TATEOF	MISCH			
	Max Grav		C 8), 14=39 (LC 1),			rd Industry Gable E ualified building de						- 5	A SE	-0.0 M			
		,	_C 22), 16=187 (LC 1			equate drainage to						A	N	New			
			-C 1), 18=48 (LC 8),			e 2x4 MT20 unless			-			H	S NAID				
			_C 22), 20=160 (LC 1),		s spaced at 0-0-0 o		se mulcaleu.				R	FO	X			
			_C 1), 22=184 (LC 22 _C 1), 24=185 (LC 22	-),		as been designed		0 psf bottom					A LA				
			LC 1), 24=185 (LC 22 LC 1), 26=223 (LC 15	-),		ad nonconcurrent			ds.			8/					
		27=204 (L			8) * This truss	has been designed	d for a liv	e load of 20.0	psf			M -	MAM	BER			
FORCES	(lb) - May	•	pression/Maximum			om chord in all area			-			N 7	PE-2022				
IONOLO	Tension		prossion/maximum			by 2-00-00 wide w		veen the botto	m			N	PE-2022	1042239 SPA			
	101001					any other members						Y	100	1 AB			
					All bearings	are assumed to be	e SPF N	0.2.					C'SSIONA	TENA			
													CONF				
														1 24 2024			

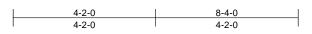
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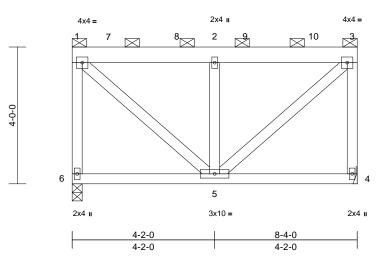
February 21,2024

Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	R1	Flat Girder	1	1	Job Reference (optional)	163738460

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:58 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







Scale =	1:33.7
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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	0.31	Vert(LL)	-0.01	5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.02	5-6	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.21	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P		Wind(LL)	0.00	5	>999	240	Weight: 47 lb	FT = 10%

LUMBER

TOP CHORD	2x6 SPF I	No.2
BOT CHORD	2x4 SPF I	No.2
WEBS	2x4 SPF I	No.2
BRACING		
TOP CHORD	2-0-0 oc p	ourlins (6-0-0 max.): 1-3, except
	end vertic	cals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	4= Mechanical, 6=0-3-8
	Max Horiz	6=-138 (LC 4)
	Max Grav	4=764 (LC 1), 6=788 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOP CHORD	1-6=-754/	/10, 1-2=-527/0, 2-3=-527/0,

3-4=-730/16 BOT CHORD 5-6=-121/108, 4-5=-51/39 WEBS 1-5=-11/710, 2-5=-857/12, 3-5=-11/710

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) Provide adequate drainage to prevent water ponding.
- 3) 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.
- 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.
- 6) Refer to girder(s) for truss to truss connections.
- 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

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

- Plate Increase=1.15
- Uniform Loads (lb/ft)
- Vert: 1-3=-70, 4-6=-20
- Concentrated Loads (lb)
- Vert: 7=-209, 8=-206, 9=-206, 10=-206



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

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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	V1	Valley	1	1	Job Reference (optional)	163738461

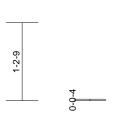
Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:58 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

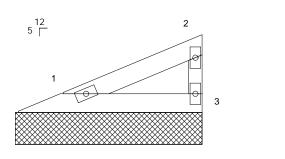
2x4 II

Page: 1

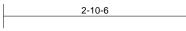


1-2-9





2x4 u



2x4 ≤

2-10-6

Scale = 1:18					-							
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	0.07 0.04 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: 6 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 2x3 SPF No.2 Structural wood she 2-11-0 oc purlins, e Rigid ceiling directly bracing.	xcept end verticals. applied or 10-0-0 oc	Internationa R802.10.2 a LOAD CASE(S)	designed in accor I Residential Code and referenced sta Standard	e sections	R502.11.1 a	and					
FORCES	Max Horiz 1=38 (LC Max Uplift 1=-13 (LC Max Grav 1=93 (LC (Ib) - Maximum Com Tension	(28), 3=-21 (LC 8) 1), 3=93 (LC 1)										
Vasd=91n II; Exp C; cantilever	1-3=-12/9 CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed	(3-second gust) DL=6.0psf; h=25ft; C avelope) exterior zon ; end vertical left and	le; d									
 Truss des only. For see Stand or consult Gable req Gable stures chord live * This truss chord live * This truss on the bot 3-06-00 ta chord and All bearing Provide m bearing pl 	sed; Lumber DOL=1.6 signed for wind loads in studs exposed to wind and Industry Gable En qualified building desi- juires continuous bottoi ds spaced at 2-0-0 oc. has been designed foi load nonconcurrent wi ss has been designed foi tom chord in all areas all by 2-00-00 wide will any other members. gs are assumed to be 3 nechanical connection (late capable of withstar bu plift at joint 3.	n the plane of the tru (normal to the face) d Details as applicat gner as per ANSI/TF m chord bearing. r a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle fit between the botto SPF No.2. (by others) of truss to	ss , le, 11. ds. ds. psf m							TIM	OF PE-2022	ANIEL CAN
											Februar	y 21,2024

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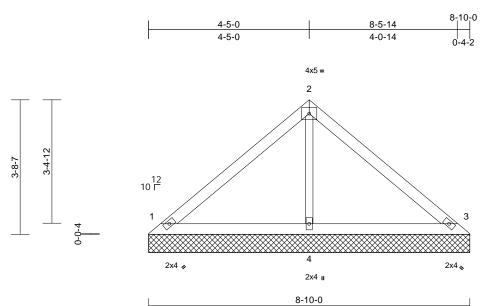
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 175 WO	
B240016	V2	Valley	1	1	Job Reference (optional)	163738462

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:59 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



JC?f



Scale = 1:31.7

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).31	Vert(LL)	n/a	-	n/a	999	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15).14	Vert(TL)	n/a	-	n/a	999			
BCLL	0.0*	Rep Stress Incr	YES		0.06	Horiz(TL)	0.00	3	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 25 lb	FT = 10%	
LUMBER			8) All bearings	are assumed to be SF	PF No	.2 .							
TOP CHORD	2x4 SPF No.2		9) Provide me	chanical connection (b	y othe	ers) of truss to	C						
BOT CHORD	2x4 SPF No.2		bearing plat	e capable of withstand	ling 4	5 lb uplift at jo	oint						
OTHERS													
BRACING	ACING 10) This truss is designed in accordance with the 2018												
TOP CHORD	Structural wood she	athing directly applie		I Residential Code sec			nd						
	6-0-0 oc purlins.			and referenced standar	rd AN	SI/TPI 1.							
BOT CHORD	 Rigid ceiling directly bracing. 	applied or 10-0-0 or	LOAD CASE(S	Standard									
REACTIONS	(size) 1=8-10-0	, 3=8-10-0, 4=8-10-0											
	Max Horiz 1=-88 (LC	· ·											
	Max Uplift 1=-45 (LC	,											
	Max Grav 1=219 (L0		1=289										
	(LC 1)	,, ,, ,,											
FORCES	(lb) - Maximum Com	pression/Maximum											
	Tension												
TOP CHORD	,												
BOT CHORD	,	/72											
WEBS	2-4=-188/45												
NOTES													
,	ed roof live loads have	been considered for	r										
this desig		(0											
,	CE 7-16; Vult=115mph	· · · · ·	Net										
	mph; TCDL=6.0psf; BC Enclosed; MWFRS (er										an	alle	
	r left and right exposed										A. OF	MIC	
	osed; Lumber DOL=1.6									9	BIE	0.0	
	signed for wind loads in									B	TATE OF	New M	
	studs exposed to wind									B			
	dard Industry Gable En									-A	FO	X	

- or consult qualified building designer as per ANSI/TPI 1. 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 4-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.
- 7) * 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.

February 21,2024

314.434.1200 / MiTek-US.com

ABER

PE-2022042259

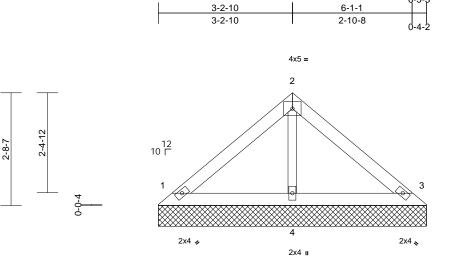
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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	V3	Valley	1	1	Job Reference (optional)	163738463

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:59 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



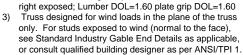
Fag



6-5-3

Scale	- 1	1.27	6

Loading TCLL (roof)	(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15		CSI TC	0.15	DEFL Vert(LL)	in n/a	(loc) -	l/defl n/a	L/d 999	PLATES MT20	GRIP 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	0.03	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-P							Weight: 18 lb	FT = 10%
LUMBER			8)	All bearings	are assumed to	be SPF No	o.2 .						
TOP CHORD	2x4 SPF No.2		9)	Provide mec	hanical connect	ion (by oth	ers) of truss	to					
BOT CHORD	2x4 SPF No.2												
OTHERS	2x3 SPF No.21 and 39 lb uplift at joint 3.												
BRACING			10		designed in acc								
TOP CHORD	6-0-0 oc purlins. R802.10.2 and referenced standard ANSI/TPI 1.												
OT CHORD Rigid ceiling directly applied or 10-0-0 oc LOAD CASE(S) Standard bracing.													
bracing. REACTIONS (size) 1=6-5-3, 3=6-5-3, 4=6-5-3 Max Horiz 1=62 (LC 5) Max Uplift 1=-32 (LC 8), 3=-39 (LC 9) Max Grav 1=154 (LC 1), 3=154 (LC 1), 4=203 (LC 1)													
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-2=-107/53, 2-3=-1	03/42											
BOT CHORD	1-4=-14/51, 3-4=-14	/51											
WEBS	2-4=-132/32												
NOTES													
1) Unbalance	ed roof live loads have	been considered for	r										
this desigr													
	CE 7-16; Vult=115mph												
	ph; TCDL=6.0psf; BC												The
	Enclosed; MWFRS (er											GOEL	an



cantilever left and right exposed ; end vertical left and

4) Gable requires continuous bottom chord bearing.

- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.
 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle.
- 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.





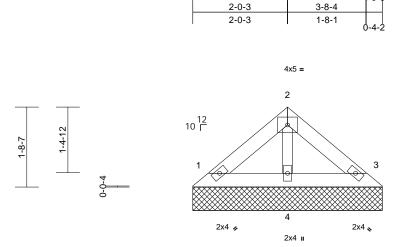
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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	V4	Valley	1	1	Job Reference (optional)	163738464

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:59 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

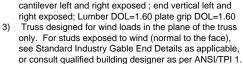
4-0-6

Page: 1



Scale - 1.24 5

Scale = 1:24.5												
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-P	0.04 0.02 0.01	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: 10 lb	GRIP 197/144 FT = 10%
	2x4 SPF No.2 2x4 SPF No.2 2x3 SPF No.2 Structural wood shei 4-1-0 oc purlins. Rigid ceiling directly bracing. (size) 1=4-0-6, 3 Max Horiz 1=36 (LC Max Uplift 1=-18 (LC Max Grav 1==89 (LC (LC 1)	applied or 10-0-0 o 3=4-0-6, 4=4-0-6 5) 5 8), 3=-23 (LC 9)	9) Provide me bearing plat 1 and 23 lb 10) This truss is Internationa R802.10.2 a c LOAD CASE(S)	are assumed to chanical connecti e capable of with uplift at joint 3. designed in accc I Residential Cod und referenced st) Standard	on (by oth standing 1 ordance w le sections	ers) of truss t 8 lb uplift at j ith the 2018 R502.11.1 a	joint					
this design 2) Wind: ASC Vasd=91m II; Exp C; I	(lb) - Maximum Com Tension 1-2=-62/31, 2-3=-59, 1-4=-8/29, 3-4=-8/29 2-4=-76/18 ed roof live loads have b CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Enclosed; MWFRS (er	/24) been considered fo (3-second gust) DL=6.0psf; h=25ft; ivelope) exterior zor	r Cat. ne;								STORE OF	



Gable requires continuous bottom chord bearing. 4)

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

This truss has been designed for a 10.0 psf bottom 6)

chord live load nonconcurrent with any other live loads. 7) * This truss has been designed for a live load of 20.0psf

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

OF MISSO E NATHANIEL FOX PE-2022042259 RESSIONAL E February 21,2024



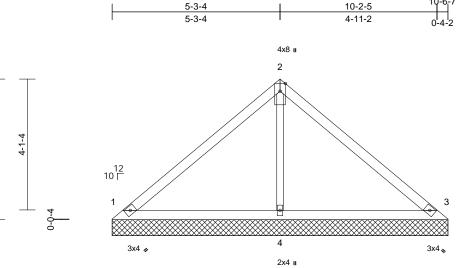
Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	V5	Valley	1	1	Job Reference (optional)	163738465

4-4-15

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:51:59 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







10-6-7

Scale = 1:36.1

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.34 0.20 0.10	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: 30 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	6-0-0 oc purlins. Rigid ceiling directly is bracing. (size) 1=10-6-7, Max Horiz 1=-106 (LC Max Uplift 1=-41 (LC (LC 8)	applied or 10-0-0 oc 3=10-6-7, 4=10-6-7 C 6)	10 -9 LC	on the bottor 3-06-00 tall b chord and ar All bearings a Provide mec bearing plate 1, 53 lb uplift D) This truss is International	as been design in chord in all arr by 2-00-00 wide by other membe are assumed to hanical connect c capable of with at joint 3 and 9 designed in acc Residential Coo nd referenced st Standard	eas where will fit betw rs. be SPF No ion (by oth standing 4 lb uplift at ordance w de sections	a rectangle veen the bott o.2. ers) of truss t 1 lb uplift at j joint 4. th the 2018 R502.11.1 a	om to joint					
FORCES TOP CHORD BOT CHORD	(Ib) - Maximum Comp Tension 1-2=-203/94, 2-3=-20 1-4=-24/94, 3-4=-24/9)2/75											

WEBS 2-4=-239/59

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

4) Gable requires continuous bottom chord bearing.

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

This truss has been designed for a 10.0 psf bottom 6) chord live load nonconcurrent with any other live loads.





Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	V6	Valley	1	1	Job Reference (optional)	163738466

4-0-13

4-0-13

Wheeler Lumber, Waverly, KS - 66871,

4

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0-0-4

3-4-15

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:52:00 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

7-9-8

3-8-11

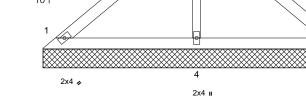
8-1-10

3

2x4 💊



4x5 = 2 10 12



8-1-10

Scale = 1:30.5

00010 - 110010												
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	0.26 0.12 0.05	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: 23 lb	GRIP 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD	6-0-0 oc purlins.	eathing directly applie	9) Provide med bearing plat 1 and 51 lb 10) This truss is Internationa R802.10.2 a	are assumed to be chanical connection e capable of withsta uplift at joint 3. designed in accord I Residential Code s and referenced stand Standard	(by oth nding 4 ance w	ers) of truss to 1 lb uplift at jo ith the 2018 \$ R502.11.1 at	pint					
	0	C 8), 3=-51 (LC 9)	=264									
FORCES	(lb) - Maximum Com Tension	npression/Maximum										
TOP CHORD BOT CHORD WEBS	1-2=-139/69, 2-3=-1 1-4=-18/66, 3-4=-18 2-4=-172/41											
this design 2) Wind: ASC Vasd=91m II; Exp C; I cantilever right expos 3) Truss des	ed roof live loads have CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed; Lumber DOL=1.6 signed for wind loads in studs exposed to wind	n (3-second gust) IDL=6.0psf; h=25ft; C nvelope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 n the plane of the tru:	Cat. e; 1 50 55							ł	STATE OF I	MISSOUR

- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 4-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf 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.



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Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	V7	Valley	1	1	Job Reference (optional)	163738467

2-10-7

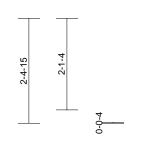
2-10-7

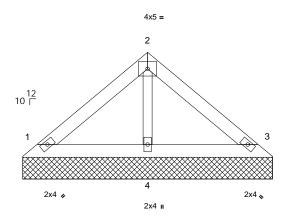
Wheeler Lumber, Waverly, KS - 66871,

Run: 8,73 S Feb 6 2024 Print: 8,730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:52:00 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



5-4-12 2-6-5







Scale = 1:26.5

00010 = 1.20.0												
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	0.11	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P	_						Weight: 15 lb	FT = 10%
LUMBER			8) All beari	ngs are assumed to	be SPF N	o.2 .						
TOP CHORD	2x4 SPF No.2		9) Provide	mechanical connecti	ion (by oth	ers) of truss	to					
BOT CHORD	2x4 SPF No.2			plate capable of with	standing 2	8 lb uplift at	joint					
OTHERS	2x3 SPF No.2			lb uplift at joint 3.								
BRACING				s is designed in acco								
TOP CHORD	Structural wood she	athing directly appli		onal Residential Cod 2 and referenced st			and					
	5-9-7 oc purlins.			E(S) Standard								
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	C LOAD CASI	(3) Stanuaru								
REACTIONS	•	3=5-8-14, 4=5-8-14	1									
	Max Horiz 1=-54 (LC	,	ŧ									
	Max Uplift 1=-28 (LC	,										
	Max Grav 1=135 (L0	,, ()	4=178									
	(LC 1)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										
FORCES	(lb) - Maximum Corr	pression/Maximum										
	Tension											
TOP CHORD	1-2=-94/47, 2-3=-90											
BOT CHORD	1-4=-12/45, 3-4=-12	/45										
WEBS	2-4=-116/28											
NOTES		h	_									
this design	ed roof live loads have	been considered to	ſ									
	CE 7-16; Vult=115mph	(3-second qust)										
	nph; TCDL=6.0psf; BC		Cat.									
	Enclosed; MWFRS (er										Same	ADD
	left and right exposed										A OF I	MISC
	sed; Lumber DOL=1.6									1	950	W.O.
,	0									8	NATHA	NIFI XP.V
II; Exp C; I cantilever right expos Truss des	Enclosed; MWFRS (er left and right exposed	velope) exterior zon ; end vertical left an 0 plate grip DOL=1. n the plane of the tru	ne; id 60 uss							Å	STATE OF I	MISSOLUTION

- 3 only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom 6)
- chord live load nonconcurrent with any other live loads.
- 7) * 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.



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

Job	Truss	Truss Type	Qty	Ply	Lot 175 WO	
B240016	V8	Valley	1	1	Job Reference (optional)	163738468

Run: 8.73 S Feb 6 2024 Print: 8.730 S Feb 6 2024 MiTek Industries, Inc. Tue Feb 20 09:52:00 ID:Lek3CAANj_gYbKvtCQHtmQzKvNM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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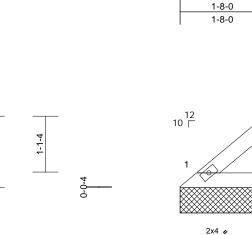
2

2-11-15

1-3-14

3

Page: 1



1-4-15

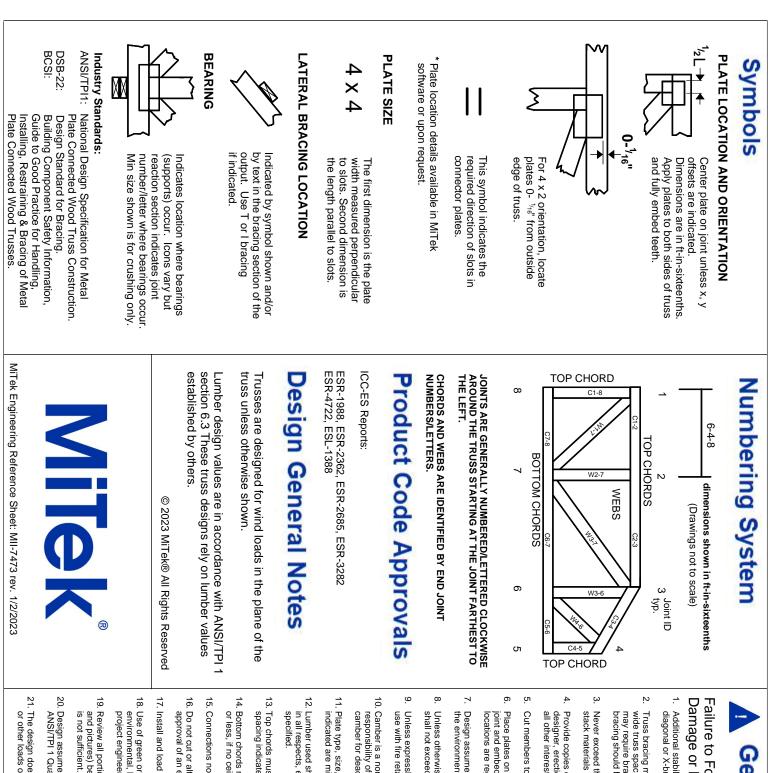


3-4-1

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

	(,,, ,): [<u>10</u> <u>2</u> 0 <u>1</u> 20 <u>3</u> 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	0.03	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 TOP CHORD BOT CHORD BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 Structural wood she 3-4-10 oc purlins. Rigid ceiling directly bracing.	applied or 10-0-0 o 3=3-4-1 2 6) 2 8), 3=-12 (LC 9) C 1), 3=116 (LC 1)	bearing p 1 and 12 10) This truss ed or R802.10.	nechanical connecti late capable of withs lb uplift at joint 3. is designed in acco nal Residential Cod 2 and referenced sta (S) Standard	standing 1 ordance w le sections	2 lb uplift at j ith the 2018 s R502.11.1 a	joint					
TOP CHORD BOT CHORD	1-2=-94/30, 2-3=-94	/30										
 this desig Wind: ASt Vasd=91r II; Exp C; cantilever right expo Truss desionly. For see Stancorres or consult 	CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed osed; Lumber DOL=1.6 signed for wind loads in studs exposed to wind dard Industry Gable En t qualified building desi	(3-second gust) iDL=6.0psf; h=25ff; (nvelope) exterior zor ; end vertical left an 0 plate grip DOL=1. n the plane of the trr. I (normal to the face d Details as applical gner as per ANSI/TF	Cat. he; d 60 iss), ble,								STATE OF NATH	
 5) Gable stu 6) This truss chord live 7) * This trus on the bot 3-06-00 ta chord and 	uires continuous botto ds spaced at 2-0-0 oc. s 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	r a 10.0 psf bottom ith any other live loa for a live load of 20.0 where a rectangle fit between the botto)psf								PE-2022	1 Ho





General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor1 bracing should be considered.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- 5. Cut members to bear tightly against each other
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- 11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- 12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- 14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- 15. Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- 20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- 21. The design does not take into account any dynamic or other loads other than those expressly stated.