

RE: B240133 Lot 173 HM

Site Information:

Customer: Summit Homes Project Name: B240133 Lot/Block: 173 Model: Cl Address: 2774 SW 11th Terr Subdivision City: Lee's Summit State: MC

B240133 Model: Charleston - Modern Prairie Subdivision: Highland Meadows 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 72 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	164360222	A1	3/21/2024	21	164360242	C13	3/21/2024
2	164360223	A2	3/21/2024	22	164360243	C14	3/21/2024
3	164360224	A3	3/21/2024	23	164360244	C15	3/21/2024
4	164360225	B1	3/21/2024	24	164360245	C16	3/21/2024
5	164360226	B2	3/21/2024	25	164360246	C17	3/21/2024
6	164360227	B3	3/21/2024	26	164360247	D1	3/21/2024
7	164360228	B4	3/21/2024	27	164360248	D2	3/21/2024
8	164360229	B5	3/21/2024	28	164360249	J1	3/21/2024
9	164360230	C1	3/21/2024	29	164360250	J2	3/21/2024
10	164360231	C2	3/21/2024	30	164360251	J3	3/21/2024
11	164360232	C3	3/21/2024	31	164360252	J4	3/21/2024
12	164360233	C4	3/21/2024	32	164360253	J5	3/21/2024
13	164360234	C5	3/21/2024	33	164360254	J6	3/21/2024
14	164360235	C6	3/21/2024	34	164360255	J7	3/21/2024
15	164360236	C7	3/21/2024	35	164360256	J8	3/21/2024
16	164360237	C8	3/21/2024	36	164360257	J9	3/21/2024
17	164360238	C9	3/21/2024	37	164360258	J10	3/21/2024
18	164360239	C10	3/21/2024	38	164360259	J11	3/21/2024
19	164360240	C11	3/21/2024	39	164360260	J12	3/21/2024
20	164360241	C12	3/21/2024	40	164360261	J13	3/21/2024

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.



	March 21, 2024
Fox	RELEASE FOR CONSTRUCTION
104	AS NOTED ON PLANS REVIEW
	DEVELOPMENT SERVICES
	LEE'S SUMMIT, MISSOURI
	07/11/2024 11:09:04

Nathan

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



## RE: B240133 - Lot 173 HM

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

### Site Information:

Project Customer:Summit HomesProject Name:B240133Lot/Block:173Subdivision:Highland MeadowsAddress:2774 SW 11th TerrState:MOCity, County:Lee's SummitState:MO

Na	Cool#		Data
No. 41	Seal#	Truss Name J14	Date 3/21/2024
41	164360262 164360263	J15	3/21/2024
42 43	164360263	J16	3/21/2024
43 44	164360265	J17	3/21/2024
44 45	164360266		3/21/2024
		J18	
46 47	164360267	J19	3/21/2024
	164360268	J20	3/21/2024
48	164360269	J21	3/21/2024
49	164360270	J22	3/21/2024
50	164360271	J23	3/21/2024
51	164360272	J24	3/21/2024
52	164360273	J25	3/21/2024
53	164360274	J26	3/21/2024
54	164360275	J27	3/21/2024
55	164360276	J28	3/21/2024
56	164360277	J29	3/21/2024
57	164360278	J30	3/21/2024
58	164360279	J31	3/21/2024
59	164360280	J32	3/21/2024
60	164360281	J33	3/21/2024
61	164360282	J34	3/21/2024
62	164360283	J35	3/21/2024
63	164360284	J36	3/21/2024
64	164360285	J37	3/21/2024
65	164360286	J38	3/21/2024
66	164360287	J39	3/21/2024
67	164360288	J40	3/21/2024
68	164360289	LAY2	3/21/2024
69	164360290	LAY3	3/21/2024
70	164360291	V3	3/21/2024
71	164360292	V4	3/21/2024
72	164360293	V5	3/21/2024

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 07/11/2024 11:09:04

Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	A1	Hip Girder	1	1	Job Reference (optional)	164360222

1-11-9

Scale = 1:30

Loading

TCDL

BCLL

BCDL

WEBS

BRACING

LUMBER

TCLL (roof)

Run: 8 73 S. Feb 22 2024 Print: 8 730 S Feb 22 2024 MiTek Industries. Inc. Wed Mar 20 09:09:08 Page: 1 ID:cmypGrq7giZqfzVbwI67OrznZIG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f 13-10-8 -0-10-8 4-2-9 8-9-7 13-0-0 0-10-8 4-2-9 4-6-14 4-2-9 0-10-8 5x12 = 6x6 = 12 3.5 L 4 13 5 1-10-5 2 7 0 8 0-2-0 11 14 10 ÷ 12 9 à. 2x4 II 3x4 = Ŕ 6x6 = 3x6 = 3x6 = 2x4 II 2x4 🛛 2x4 u 2x4 II 6x6 =2-3-8 4-3-13 8-8-3 13-0-0 10-8-8 2-3-8 2-0-5 2-0-5 2-3-8 4-4-6 Plate Offsets (X, Y): [3:0-4-13,Edge], [3:0-1-8,0-1-3], [4:0-6-0,0-1-12], [5:0-3-0,0-2-10], [6:0-4-9,Edge], [6:0-1-8,0-1-7] 2-0-0 CSI DEFL l/defl L/d PLATES GRIP (psf) Spacing in (loc) 25.0 Plate Grip DOL 1.15 TC 0.70 Vert(LL) -0.20 10-11 >766 360 MT20 197/144 10.0 Lumber DOL 1.15 BC 0.55 Vert(CT) -0.36 10-11 >429 240 Rep Stress Incr WB 0.07 Horz(CT) 0.0 NO 0.23 n/a n/a 10.0 IRC2018/TPI2014 Matrix-S Wind(LL) 0.17 >897 240 Weight: 51 lb FT = 10% Code 10-11 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle TOP CHORD 2x6 SP 2400F 2.0E \*Except\* 4-5:2x4 SPF 3-06-00 tall by 2-00-00 wide will fit between the bottom No.2 BOT CHORD chord and any other members. 2x4 SPF No.2 \*Except\* 3-6:2x4 SPF 2100F All bearings are assumed to be SPF No.2 . 6) 1.8E 2x3 SPF No.2 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 236 lb uplift at joint 2 and 236 lb uplift at joint 7. TOP CHORD Structural wood sheathing directly applied or This truss is designed in accordance with the 2018 8) 4-10-3 oc purlins, except International Residential Code sections R502.11.1 and 2-0-0 oc purlins (2-9-5 max.): 4-5. R802.10.2 and referenced standard ANSI/TPI 1. BOT CHORD Rigid ceiling directly applied or 9-5-0 oc 9) Graphical purlin representation does not depict the size bracing. or the orientation of the purlin along the top and/or REACTIONS (size) 2=0-3-8, 7=0-3-8 bottom chord. Max Horiz 2=28 (LC 12) 10) Hanger(s) or other connection device(s) shall be Max Uplift 2=-236 (LC 4), 7=-236 (LC 5) provided sufficient to support concentrated load(s) 73 lb Max Grav 2=905 (LC 1), 7=905 (LC 1) down and 38 lb up at 4-2-9, and 73 lb down and 37 lb (lb) - Maximum Compression/Maximum up at 6-6-0, and 73 lb down and 38 lb up at 8-9-7 on Tension top chord, and 181 lb down and 60 lb up at 4-2-9, 37 lb TOP CHORD 1-2=0/1 2-3=-360/101 3-4=-2992/718 down and 18 lb up at 4-6-0, 37 lb down and 18 lb up at 4-5=-3110/738, 5-6=-3080/722, 6-7=-360/97, 6-6-0, and 37 lb down and 18 lb up at 8-6-0, and 181 lb 7-8=0/1 down and 60 lb up at 8-9-7 on bottom chord. The BOT CHORD 2-12=-1/19. 3-12=0/68. 3-11=-698/3020. design/selection of such connection device(s) is the 10-11=-694/3025, 6-10=-686/3114, 6-9=0/68 responsibility of others. 7-9=-1/1911) In the LOAD CASE(S) section, loads applied to the face 4-11=-14/146, 4-10=-61/193, 5-10=-13/113

WEBS

FORCES

- NOTES
- Unbalanced roof live loads have been considered for 1) this design
- Wind: ASCE 7-16; Vult=115mph (3-second gust) 2) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; 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.
- of the truss are noted as front (F) or back (B).
- LOAD CASE(S) Standard
- Dead + Roof Live (balanced): Lumber Increase=1.15, 1) Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-3=-70, 3-4=-70, 4-5=-70, 5-6=-70, 6-8=-70,
  - 2-12=-20, 3-6=-20, 7-9=-20 Concentrated Loads (lb)
  - Vert: 4=-17 (B), 5=-17 (B), 11=-218 (B), 10=-218 (B), 13=-17 (B), 14=-37 (B)



**DEVELOPMEN** SERVICES

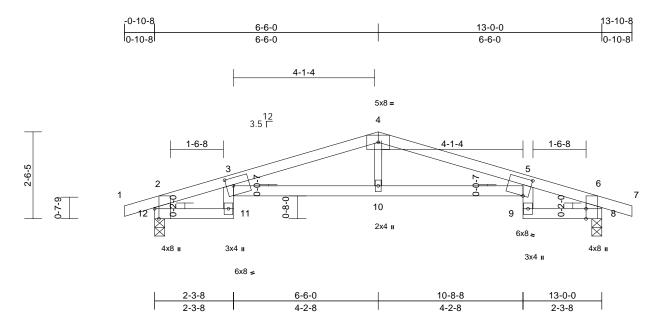
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TION

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 trust 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 173 HM	
B240133	A2	Roof Special	2	1	Job Reference (optional)	164360223

Run; 8,73 S Feb 22 2024 Print: 8,730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:09 ID:k9bxGz6KyZ1oJ85UmNrRKbz4Sea-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:33.5

#### Plate Offsets (X, Y): [3:0-2-7,0-2-12], [5:0-1-13,0-6-0], [8:0-3-8, Edge], [12:0-3-8, 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	0.89	Vert(LL)	-0.31	3-10	>482	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.93	Vert(CT)	-0.57	3-10	>265	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.06	Horz(CT)	0.52	8	n/a	n/a		
BCDL	10.0	Code	IRC2018	3/TPI2014	Matrix-R		Wind(LL)	0.22	3-10	>679	240	Weight: 36 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS			6) p.2 7)	bearing plate 12 and 130 I This truss is	hanical connection capable of withst b uplift at joint 8. designed in accor Residential Code	anding 1 dance w	30 Ib uplift at	joint					
BRACING TOP CHORD	Structural wood she 2-2-0 oc purlins, exe		ed or		nd referenced star								
BOT CHORD													
REACTIONS	(size) 8=0-3-8, 1 Max Horiz 12=24 (LC Max Uplift 8=-130 (L Max Grav 8=642 (LC	C 8) C 5), 12=-130 (LC 4	)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD		-231/47, 6-7=0/22,											
BOT CHORD	11-12=-7/56, 3-11=- 5-10=-99/1358, 5-9= 4-10=0/194		i8,										
NOTES													
<ol> <li>Unbalance this design</li> <li>Wind: ASC Vasd=91n II; Exp C; cantilever</li> </ol>	ed roof live loads have n. CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed; Lumber DOL=1.6	(3-second gust) DL=6.0psf; h=25ft; ( velope) exterior zor ; end vertical left and	Cat. ie; d									STATE OF I	MISSOLP NIEL X

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

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

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

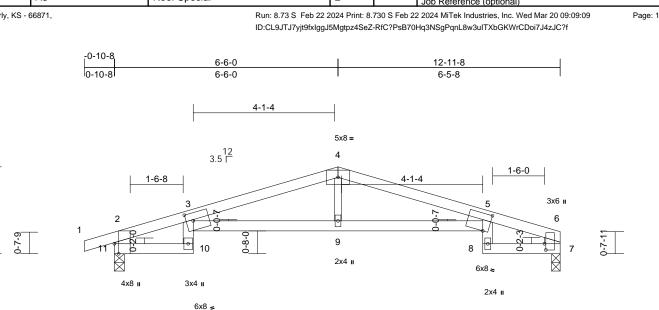


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 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value to dury with with where outputs into design is based only door parameters shown, and is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

TION IEW DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 07/11/2024 11:09:04

Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	A3	Roof Special	2	1	Job Reference (optional)	164360224

2-6-5





Scale = 1:33.5

#### Plate Offsets (X, Y): [3:0-2-7,0-2-12], [5:0-1-13,0-6-0], [6:0-2-3,0-0-8], [11:0-3-8,Edge]

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	/TPI2014	CSI TC BC WB Matrix-R	0.90 0.94 0.06	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.32 -0.57 0.53 0.23	(loc) 5-9 5-9 7 5-9	l/defl >475 >264 n/a >665	L/d 360 240 n/a 240	<b>PLATES</b> MT20 Weight: 35 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORE BOT CHORE WEBS BRACING TOP CHORE BOT CHORE REACTIONS	<ul> <li>2x4 SPF No.2</li> <li>2x6 SPF No.2 *Exce</li> <li>Structural wood she 2-2-0 oc purlins, exc</li> <li>Rigid ceiling directly bracing.</li> <li>(size) 7=0-3-0, 1</li> <li>Max Horiz 11=30 (LC Max Uplift 7=-81 (LC)</li> </ul>	ept* 9-4:2x3 SPF No athing directly applie cept end verticals. applied or 2-2-0 oc 11=0-3-8 C 8) C 5), 11=-130 (LC 4)	.2 7) ed or	bearing plate 11 and 81 lb This truss is International	hanical connection e capable of withsta uplift at joint 7. designed in accorc Residential Code : nd referenced stan Standard	anding 1 Jance w sections	30 lb uplift a ith the 2018 8 R502.11.1 a	t joint					
FORCES	Max Grav 7=559 (LC (lb) - Maximum Com												
TOP CHORE	Tension	41, 3-4=-1413/161,	105,										
BOT CHORE	0 10-11=-7/56, 3-10=-	,	6,										
WEBS	5-9=-111/1366, 5-8= 4-9=0/194	-2/99, 7-8=-6/51											
this desig 2) Wind: AS Vasd=91 II; Exp C cantileve	ced roof live loads have gn. SCE 7-16; Vult=115mph mph; TCDL=6.0psf; BC ; Enclosed; MWFRS (er r left and right exposed	(3-second gust) DL=6.0psf; h=25ft; ( nvelope) exterior zor ; end vertical left an	Cat. ne; d									STATE OF M	MISSOLA NIEL

- right exposed; Lumber DOL=1.60 plate grip DOL=1.60 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 5) All bearings are assumed to be SPF No.2 .

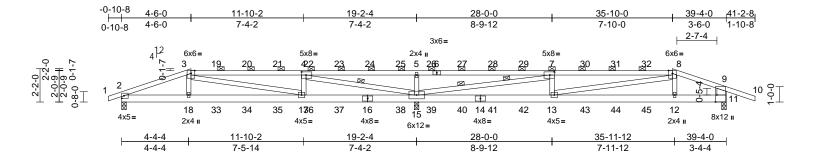
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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	B1	Hip Girder	1	1	Job Reference (optional)	164360225

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:10 ID:NSJTn4Fs7FY5l\_0nTv3Fp7z4SeO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



#### Scale = 1:75

Boald = 1110														
Plate Offsets (	(X, Y): [4:0-3-8,0-2-8]	, [7:0-3-8,0-2-8], [11:0	)-5-6,0-1-2	2]										
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	25.0	Plate Grip DOL	1.15		тс	0.78	Vert(LL)	-0.20	12-13	>999	360	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15		BC	0.94	Vert(CT)	-0.39	12-13	>606	240			
BCLL	0.0*	Rep Stress Incr	NO		WB	0.97	Horz(CT)	0.07	11	n/a	n/a			
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S	-	Wind(LL)	0.20	12-13	>999	240	Weight: 164	1 lb FT = 10%	
LUMBER			2)		7-16; Vult=115m								device(s) shall b	
TOP CHORD		ept* 3-6,6-8:2x4 SPF			h; TCDL=6.0psf; I								oncentrated load	
BOT CHORD	2100F 1.8E 2x6 SPF No.2				closed; MWFRS t and right expos								b down and 46 at 10-2-0, 70 lb	
WEBS		ept* 11-9:2x8 SP 240	0F		d; Lumber DOL=								own and 46 lb up	
WEBS	2.0E	ept 11-9.2x0 01 240	3)		quate drainage to								o at 16-2-0, 70 ll	
BRACING			4)	This truss ha	s been designed	for a 10.	0 psf bottom	•					own and 46 lb up	
TOP CHORD	Structural wood she	eathing directly applie	d or		ad nonconcurrent								o at 22-2-0, 70 ll	
		cept end verticals, ar			nas been designe			0psf					own and 46 lb up	
	2-0-0 oc purlins (4-3				n chord in all area by 2-00-00 wide w								o at 28-2-0, 70 ll Ib down and 46	
BOT CHORD		/ applied or 10-0-0 oc			by 2-00-00 wide w		ween the bott	om					Ib up at 34-2-0	
WEBS	bracing. 1 Row at midpt	4-15	6)		are assumed to b		o.2 .						Ib up at 4-6-0, 2	
WEBS	2 Rows at 1/3 pts		7)		hanical connectio			to					3-2-0, 20 lb dowr	
		11=0-3-8, 15=0-3-8			e capable of withs								20 lb down at 14	
REACTIONS	Max Horiz 2=-20 (LC			2, 519 lb upl	ift at joint 15 and	310 lb up	lift at joint 11						at 18-2-0, 20 lb 20 lb down at 24	
	Max Uplift 2=-243 (L		, 8)	This truss is	designed in acco	rdance w	ith the 2018						at 28-2-0, 20 lb	
	15=-519		- /		Residential Code			and	30-	2-0, 20 I	b dowr	n at 32-2-0, a	and 20 lb down a	at 34-2-0,
	Max Grav 2=884 (L 15=2221				nd referenced sta								at 35-10-0 on bo	
FORCES	(lb) - Maximum Con	. ,	9)		Irlin representatio ation of the purlin			size				h/selection of bility of others	such connectior	1 device
	Tension			bottom chord		along the	e top and/or		(3)		Sponsi	bility of others	<i>.</i>	
TOP CHORD	1-2=0/1, 2-3=-1872/	/450, 3-4=-1585/408,		bottom chore										
	4-5=-277/1253, 5-7											600	march	
		=-1343/311, 9-10=0/4	8,									B.F.O.	F MISSO	5
	9-11=-711/233										4	TATE OF		N.
BOT CHORD	2-18=-389/1700, 17 15-17=-350/1585, 1										H	S NAI	HANIEL X	N.S
	12-13=-256/1242, 1										B	4/	FOX	TY A
WEBS		117/63, 4-17=0/310,									Ø	Al In	100	T T
	4-15=-2896/701, 5-										all.	1 +	$\frac{1}{1}$	199
	7-15=-3360/792, 7-	,									XL	R/VAN	Mar 81	In A
	8-13=-198/853, 8-12	2=-86/156									N	SK - M	MBER V	Za
NOTES											V,	ON PE-20	)22042259 /	ANA

NOTES

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

Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/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) March 21,2024

SSIONAL ET



Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	B1	Hip Girder	1	1	Job Reference (optional)	164360225

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:10 ID:NSJTn4Fs7FY5I\_0nTv3Fp7z4SeO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 2

11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 1-3=-70, 3-8=-70, 8-9=-70, 9-10=-70, 2-11=-20 Concentrated Loads (lb)

Vert: 16=-4 (B), 18=-95 (B), 7=-10 (B), 13=-4 (B),

12=-80 (B), 19=-10 (B), 20=-10 (B), 21=-10 (B),

22=-10 (B), 23=-10 (B), 24=-10 (B), 25=-10 (B),

26=-10 (B), 27=-10 (B), 28=-10 (B), 29=-10 (B),

30=-10 (B), 31=-10 (B), 32=-10 (B), 33=-4 (B), 34=-4

(B), 35=-4 (B), 36=-4 (B), 37=-4 (B), 38=-4 (B), 39=-4 (B), 40=-4 (B), 41=-4 (B), 42=-4 (B), 43=-4 (B), 44=-4

(B), 40=-4 (B), 4 (B), 45=-4 (B)

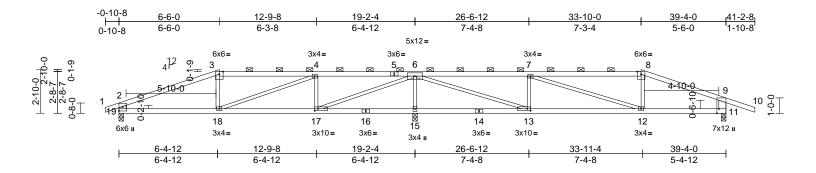
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	B2	Нір	1	1	Job Reference (optional)	164360226

Run; 8.73 S Feb 22 2024 Print; 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:10 ID:NSJTn4Fs7FY5I\_0nTv3Fp7z4SeO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



#### Scale = 1:74.6

Plate Offsets (X, Y): [11:0-3-8,Edge], [13:0-2-8,0-1-8], [17:0-2-8,0-1-8]													
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	8/TPI2014	CSI TC BC WB Matrix-S	0.72 0.79 0.84	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)		(loc) 12-13 12-13 11 12-13	l/defl >999 >605 n/a >999	L/d 360 240 n/a 240	MT20	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	SPF No.2 2x4 SPF No.2 2x3 SPF No.2 *Exce 2400F 2.0E Structural wood she 5-8-7 oc purlins, ex 2-0-0 oc purlins (4-3 Rigid ceiling directly bracing.	ept* 11-9,19-2:2x6 S eathing directly applie coept end verticals, a 3-12 max.): 3-8. v applied or 4-6-13 or , 15=0-3-8, 19=0-3-8 C 8) (LC 5), 15=-370 (LC (LC 4) LC 22), 15=2156 (LC	P 3) 4) ed or nd 5) c 5) c 6) ; 6) 4),	Vasd=91mp II; Exp C; Er cantilever le right expose Provide ade This truss ha chord live lo * This truss l on the bottoo 3-06-00 tall chord and an All bearings Provide mec bearing plate 19, 370 lb up This truss is	ir 7-16; Vult=115mpf h; TCDL=6.0psf; BC laclosed; MWFRS (e ft and right exposed d; Lumber DOL=1.6 quate drainage to p quate drainage to p quate drainage to p quate drainage to p quate drainage to p sbeen designed fc ad nonconcurrent w has been designed m chord in all areas by 2-00-00 wide will ny other members. are assumed to be shanical connection e capable of withsta bift at joint 15 and 2 designed in accord Residential Code s	CDL=6. nvelopo I; end v 50 plate revent v or a 10. vith any for a live where I fit betw SPF Ne (by oth nding 1 231 lb u ance w	Opsf; h=25ft; e) exterior zo vertical left ar grip DOL=1 vater pondin D psf bottom other live loa e load of 20. a rectangle veen the bott c.2. ers) of truss 78 lb uplift at plift at joint 1 ith the 2018	ne; nd .60 g. ads. Opsf rom to t joint 1.					
FORCES	4-6=-541/197, 6-7=-	npression/Maximum 8/227, 3-4=-981/246, 830/237, 7-8=-937/2 0=0/47, 9-11=-742/2-	214,	R802.10.2 a Graphical pu	nd referenced stand urlin representation ation of the purlin al d.	dard AN does no	ISI/TPI 1. ot depict the						
BOT CHORD	18-19=-164/977, 17 15-17=-1490/256, 1 12-13=-150/830, 11	3-15=-1490/256,	/207,								ł	STATE OF M	MISSOUR
NOTES 1) Unbalance this design	6-17=-365/2121, 6- 6-13=-422/2441, 7- 7-12=-8/124, 8-12=( ed roof live loads have n.	13=-601/223, D/176	r								K		SER 2000



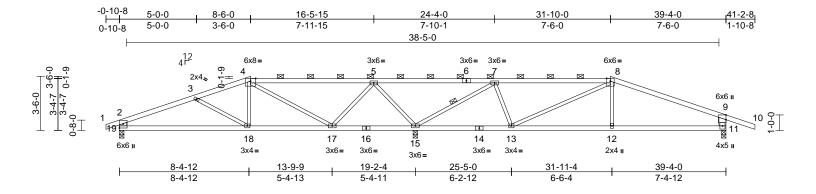
DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 07/11/2024 11:09:05

IEW

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent toulsable personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	B3	Нір	1	1	Job Reference (optional)	164360227

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:10 ID:rftr\_QGUuZgyN8bz0caUMLz4SeN-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



#### Scale = 1:74.7

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

	,, i): [0:0 0 iii,Eugo	L.											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	8/TPI2014	CSI TC BC WB Matrix-S	0.97 0.48 0.96	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)		(loc) 18-19 18-19 11 12-13	l/defl >999 >971 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 128 lb	<b>GRIP</b> 197/144 FT = 10%
	2100F 1.8E 2x4 SPF No.2 *Exce 2100F 1.8E 2x3 SPF No.2 *Exce No.2 Structural wood she except end verticals (6-0-0 max.): 4-8. Rigid ceiling directly bracing. 1 Row at midpt (size) 11=0-3-8, Max Horiz 19=34 (LC Max Uplift 11=-223 ( 19=-164 ( Max Grav 11=792 (L 19=644 (L	apt* 16-14:2x4 SPF apt* 11-9,19-2:2x6 SP athing directly applie , and 2-0-0 oc purlins applied or 6-0-0 oc 7-15 ,15=0-3-8, 19=0-3-8 C 12) (LC 5), 15=-388 (LC - (LC 4) (LC 22), 15=2325 (LC -C 21)	4) s, 5) s 6) 7) 4), 8)	Vasd=91mp II; Exp C; Er cantilever le Provide ade This truss hi chord live lo * This truss on the botto 3-06-00 tall chord and a Bearings arr 15 SPF 210 Provide met bearing plat 19, 388 lb u	7-16; Vult=115mp h; TCDL=6.0psf; B hclosed; MWFRS (if ft and right expose d; Lumber DOL=1. quate drainage to j quate drainage to j as been designed f ad nonconcurrent in has been designed f ad nonconcurrent in has been designed in chord in all area by 2-00-00 wide wi ny other members. e assumed to be: J OF 1.8E, Joint 11 chanical connectior e capable of withst plift at joint 15 and designed in accord I Residential Code and referenced star	CDL=6. enveloped; end v .60 plate prevent for a 10. with any f for a liv s where ill fit betw oint 19 s SPF No. h (by oth anding 2 223 lb u dance w sections	Opsf; h=25ft; a) exterior zo: vertical left ar grip DOL=1. water pondin; 0 psf bottom other live loa ve load of 20.1 a rectangle veen the bott SPF No.2, Jc 2. ers) of truss t 64 lb uplift at plift at joint 1 ith the 2018 & R502.11.1 a	ne; nd .60 g. ads. Opsf om bint to t joint 1.					
FORCES TOP CHORD BOT CHORD WEBS	8-9=-866/184, 9-10= 2-19=-558/207 18-19=-196/783, 17- 15-17=-808/107, 13 12-13=-87/728, 11-1 3-18=-246/150, 4-18 5-17=-39/776, 5-15=	239, 3-4=-622/165, 5/1840, 7-8=-132/136 =0/47, 9-11=-700/261 -18=-82/565, -15=-191/16, 12=-84/731 3=0/336, 4-17=-968/1	i, EC					size				STATE OF M NATHA	NIEL YEY
	8-12=0/269										N't	PE-2022	SER 042259

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

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

RELEASE ICREMETRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENTS SERVICES LEE'S'SUMMIT'S MISSOURI 07/11/2024 11:09:05

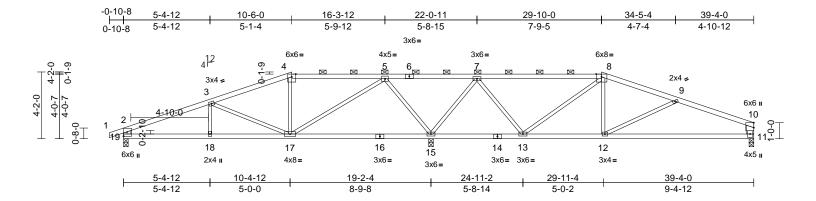
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March 21,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	B4	Нір	1	1	Job Reference (optional)	164360228

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:10 ID:KrRDCIH6ftop?IAAaK5juYz4SeM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



#### Scale = 1:71.9

#### Plate Offsets (X, Y): [10:0-3-11,Edge]

Loading (psf) Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
	1.15	TC	0.78	Vert(LL)	-0.18	11-12	>999	360	MT20	197/144
TCDL 10.0 Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.36	11-12	>664	240		
BCLL 0.0* Rep Stress Incr	YES	WB	0.98	Horz(CT)	-0.01	15	n/a	n/a		
	IRC2018/TPI2014	Matrix-S	-	Wind(LL)	0.08	12-13	>999	240	Weight: 131 lb	FT = 10%
LUMBER	2) Wind: A	SCE 7-16; Vult=115m	ph (3-se	cond gust)						
TOP CHORD 2x4 SPF No.2 *Except* 6-8:2x4 SPF 2100F 1.8E	F Vasd=9	mph; TCDL=6.0psf; ; Enclosed; MWFRS	BCDL=6.	0psf; h=25ft; (						
BOT CHORD 2x4 SPF No.2 *Except* 16-14:2x4 SPF	cantileve	cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60								
2100F 1.8E right exposed; Lumber DOL=1.60 plate grip DOL=1.60 VEBS 2x3 SPF No.2 *Except* 11-10,19-2:2x6 SPF 3) Provide adequate drainage to prevent water ponding.										
No.2		s has been designed			J.					
BRACING		e load nonconcurrent			ds.					
TOP CHORD Structural wood sheathing directly applied	-> * TI · ·	iss has been designe								
5-4-3 oc purlins, except end verticals, and	and the alla	ottom chord in all area	as where	a rectangle	•					
2-0-0 oc purlins (6-0-0 max.): 4-8.	3-06-00	tall by 2-00-00 wide v	vill fit betv	veen the botto	om					
BOT CHORD Rigid ceiling directly applied or 5-6-2 oc	chord ar	d any other members	5.							
bracing.		are assumed to be:			int					
<b>REACTIONS</b> (size) 11=0-3-8, 15=0-3-8, 19=0-3-8		2100F 1.8E , Joint 11								
Max Horiz 19=58 (LC 8)		mechanical connection								
Max Uplift 11=-92 (LC 5), 15=-441 (LC 5), 19=-141 (LC 4)		plate capable of withs b uplift at joint 15 and								
Max Grav 11=570 (LC 22), 15=2496 (LC 1) 19=649 (LC 21)	8) This trus	s is designed in acco								
FORCES (Ib) - Maximum Compression/Maximum		onal Residential Code			nd					
Tension		.2 and referenced sta								
TOP CHORD 1-2=0/24, 2-3=-941/173, 3-4=-417/167,		al purlin representatio			size					
4-5=-354/137, 5-7=-351/1907, 7-8=-54/454		ientation of the purlin	along the	e top and/or						
8-9=-486/77, 9-10=-796/179,	bottom								000	TOP
10-11=-463/137, 2-19=-571/169	LOAD CAS	E(S) Standard							AOFN	ALC. D
BOT CHORD 18-19=-171/827, 17-18=-171/827,								-	TATE OF M	AN SCH
15-17=-1052/274, 13-15=-980/229,								6	A. T.	N.S.
12-13=0/428, 11-12=-138/685								A	S NATHA	NIEL
WEBS 3-18=0/158, 3-17=-583/175, 4-17=-335/134	4,							B	FO	
5-17=-196/1344, 5-15=-1405/336,								B	1 14	A TH
7-15=-1524/378, 7-13=-108/868,								ar	A.H.	
8-13=-997/193, 8-12=0/357, 9-12=-303/189	9							8	1 han	V JIN
NOTES								NJ		SER ZAN
1) Unbalanced roof live loads have been considered for								N	ON PE-2022	042259 JER

this design.

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 touls be personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/TPI1 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com) RELEASE ICROMETRUCTION AS NOTED ON PLANS REVIEW DEVERSION OF SERVICES LEE'S' SUMMIT'S MISSOURI 07/11/2024 11:09:05

SSIONAL E

March 21,2024

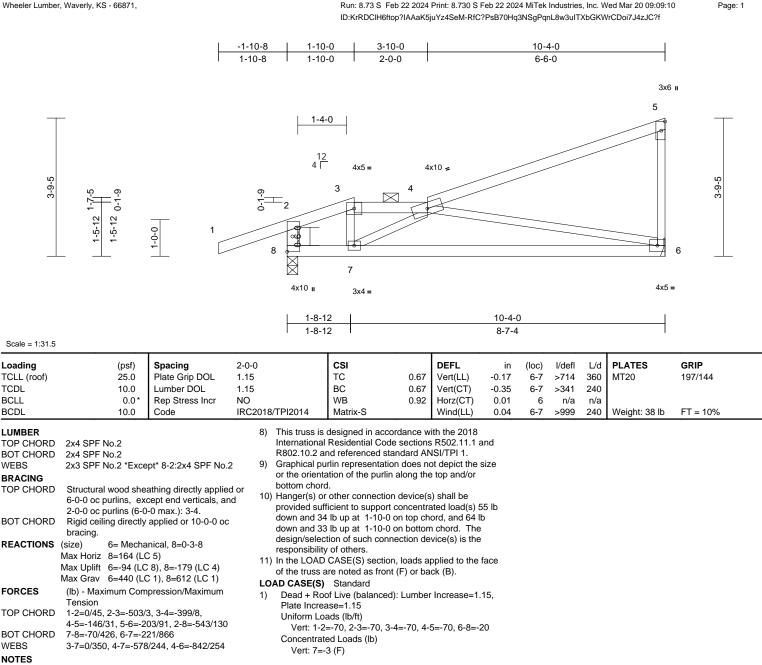
Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	B5	Roof Special Girder	1	1	Job Reference (optional)	164360229

TCDI

BCLL

BCDL





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

- 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.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SPF No.2 . 5)
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 6 and 179 lb uplift at joint 8.

OF MISSO NATHANIEL FOX PE-2022042259 SSIONAL E

March 21,2024

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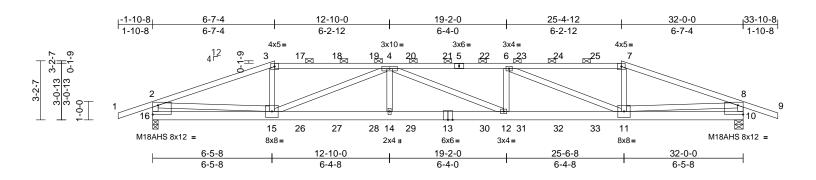
Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	C1	Hip Girder	1	2	Job Reference (optional)	164360230

Run: 8,73 S Feb 22 2024 Print: 8,730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:11 ID:GEZ\_dRINBU2XEbKYhI7Bzzz4SeK-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 07/11/2024 11:09:05





#### Scale = 1:62.4

Plate	Offsets	(X.	Y):	[10:Edge.0-6-0].	[16:Edge,0-6-0]

Flate Olisets (	A, 1). [10.Euge,0-0-0	J, [10.Euge,0-0-0]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.98 0.92 0.60	Vert(CT)	in -0.31 -0.56 0.09 0.27	(loc) 12-14 12-14 10 12-14	l/defl >999 >674 n/a >999	L/d 360 240 n/a 240	PLATES MT20 M18AHS Weight: 294 lb	<b>GRIP</b> 197/144 142/136 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2-0-0 oc purlins (3-4	eathing directly applie	10F 3) rd or nd 4)	<ul> <li>2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.</li> <li>3) Unbalanced roof live loads have been considered for this design.</li> <li>4) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed ; end ver</li></ul>									
	bracing. (size) 10=0-5-8, Max Horiz 16=-26 (L Max Uplift 10=-650 ( Max Grav 10=2844	(LC 5), 16=-650 (LC	<ul> <li>acantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60</li> <li>b) Provide adequate drainage to prevent water ponding.</li> <li>b) Provide adequate drainage to prevent water ponding.</li> <li>c) All plates are MT20 plates unless otherwise indicated.</li> <li>c) This truss has been designed for a 10 0 pst bottom</li> <li>c) This truss has been designed for a 10 0 pst bottom</li> </ul>								t 20-0-0, 79 lb down 0, and 486 lb down n chord. The design/		
FORCES	(lb) - Maximum Com Tension	npression/Maximum	8)	* This truss h	as been designed	d for a liv	e load of 20.0		LOAD	CASE(S	) Sta	ndard	
TOP CHORD	1-2=0/45, 2-3=-5945 4-6=-8439/1778, 6-7 7-8=-5955/1229, 8-5 8-10=-2719/663 15-16=-212/821, 14 12-14=-1698/8465,	7=-5522/1188, 9=0/45, 2-16=-2713/6 -15=-1698/8465,	662, 9) 10	<ul> <li>on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.</li> <li>All bearings are assumed to be SPF No.2.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 650 lb uplift at joint 16 and 650 lb uplift at joint 10.</li> <li>Dead + Roof Live (balanced): Lu Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-2=-70, 2-3=-70, 3-7=-7 10-16=-20 Concentrated Loads (lb)</li> </ul>								.15 b/ft) 2-3=-70, 3-7=-70 ads (lb)	), 7-8=-70, 8-9=-70,
WEBS	10-11=-188/818 3-15=-172/1389, 4-1 4-14=0/531, 4-12=-5 6-11=-3263/687, 7-1 2-15=-936/4784, 8-1	98/43, 6-12=0/520, 11=-174/1394,		<ol> <li>This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.</li> <li>Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or</li> </ol>							Å	STATE OF M	MISSOLUTION
(0.131"x3" Top chords oc. Bottom cho staggered	to be connected toge ) nails as follows: s connected as follows ords connected as foll at 0-9-0 oc. ected as follows: 2x4 -	ther with 10d s: 2x4 - 1 row at 0-9- ows: 2x6 - 2 rows	0	bottom chord							Ka	PE-20220 March March	BER 042259

Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/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 173 HM	
B240133	C1	Hip Girder	1	2	Job Reference (optional)	164360230

 $\begin{array}{l} \mbox{Vert: 13=-52 (F), 15=-486 (F), 11=-486 (F), 17=-123} \\ \mbox{(F), 18=-123 (F), 19=-123 (F), 20=-123 (F), 21=-123} \\ \mbox{(F), 22=-123 (F), 23=-123 (F), 24=-123 (F), 25=-123} \\ \mbox{(F), 26=-52 (F), 27=-52 (F), 28=-52 (F), 29=-52 (F), 30=-52 (F), 31=-52 (F), 32=-52 (F), 33=-52 (F) \\ \end{array}$ 

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:11 ID:GEZ\_dRINBU2XEbKYhI7Bzzz4SeK-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 2

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



Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	C2	Нір	1	1	Job Reference (optional)	164360231

Run; 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:11 ID:8?oUSpLtEjYzjDdKwaC78pz4SeG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

9

|<u>-1-10-8</u>| |-10-8 33-10-8 1-10-8 8-7-4 16-0-0 3-10-3 23-4-12 28-1-13 32-0-0 3-10-3 4-9-1 7-4-12 7-4-12 4-9-1 3-10-3 3x10= 4x8= 4x8= 4<sup>12</sup> 3-10-7 σ 4 6 5  $\boxtimes$  $\bowtie$  $\bowtie$ 9-4x8 = 4x8= 3-8-13 3-8-13 3 7 3-10-7 3x4 🛛 3x4 II 2 8 0-0-E 15 ГТ Ø X 14 13 12 11 4x8= 4x8= 3x10= 2x4 II 4x8= 3x10= 8-6-0 16-0-0 23-6-0 32-0-0 ł 8-6-0 7-6-0 7-6-0 8-6-0

#### Scale = 1:62.5

Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.51	Vert(LL)	-0.25	13	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.95	Vert(CT)	-0.46	13-14	>825	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.66	Horz(CT)	0.14	10	n/a	n/a		
BCDL	10.0	Code	IRC20	18/TPI2014	Matrix-S		Wind(LL)	0.19	13	>999	240	Weight: 115 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	No.2 Structural wood she 3-0-14 oc purlins, e 2-0-0 oc purlins (4-2 Rigid ceiling directly bracing. 1 Row at midpt	ept* 15-2,10-8:2x4 SF athing directly applie xcept end verticals, a -15 max.): 4-6. applied or 2-2-0 oc 5-14, 5-11, 3-15, 7-1 15=0-3-8	OF 5 PF 6 d or 7 ind 8 0	<ul> <li>chord live loa</li> <li>* This truss h</li> <li>on the bottor</li> <li>3-06-00 tall b</li> <li>chord and ar</li> <li>chord and ar</li> <li>Frovide meci</li> <li>bearing plate</li> <li>15 and 337 II</li> <li>This truss is</li> <li>International</li> <li>R802.10.2 ar</li> <li>Graphical pu</li> <li>or the orienta</li> </ul>	s been designed i ad nonconcurrent has been designed n chord in all area y 2-00-00 wide w y other members are assumed to be hanical connection capable of withst puplift at joint 10. designed in accor Residential Code nd referenced star fin representatior titon of the purlin a	with any d for a liv s where ill fit betv e SPF No n (by oth canding 3 dance w sections ndard AN n does no	other live load e load of 20. a rectangle veen the bott 0.2. ers) of truss i37 lb uplift a ith the 2018 i R502.11.1 a ISI/TPI 1. ot depict the	Opsf om to t joint and					
	Max Uplift 10=-337 ( Max Grav 10=1568	LC 5), 15=-337 (LC 4 (LC 1), 15=1568 (LC		bottom chord OAD CASE(S)									
FORCES	(lb) - Maximum Com	pression/Maximum											
TOP CHORD	Tension 1-2=0/45, 2-3=-268/ 4-5=-2541/474, 5-6= 6-7=-2726/472, 7-8= 2-15=-356/132, 8-10	=-2541/474, =-268/14, 8-9=0/45,											
BOT CHORD	14-15=-405/2233, 13 11-13=-517/3366, 10												ALL .
WEBS	3-14=-9/499, 4-14=0	)/450, 5-14=-1042/23 042/237, 6-11=0/450									A	STATE OF M	MISSOLUN
this design 2) Wind: ASC Vasd=91m	ed roof live loads have n. CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er	(3-second gust) DL=6.0psf; h=25ft; C										FOL	

d; MWFRS (envelope) II; E cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

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March 21,2024

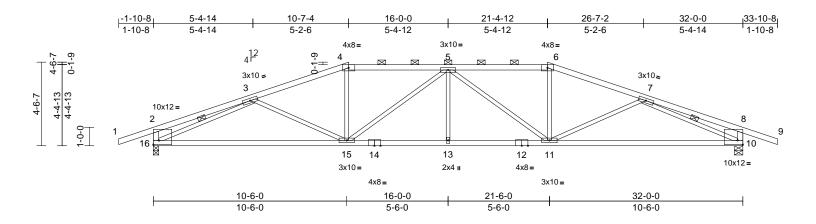
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the

Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	С3	Нір	1	1	Job Reference (optional)	164360232

Run; 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:11 ID:5OwFtUN7mKogyWni2?EbDEz4SeE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



#### Scale = 1:62.5

	(X, Y): [2:Edge,0-2-12	1 [10·Edge 0 2 12]											
	(A, T). [Z.Euge,0-2-12	i, [10.Euge,0-2-12]			1								
Loading TCLL (roof) TCDL BCLL BCDI	(psf) 25.0 10.0 0.0*	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.59 0.68 0.81	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	-0.54 0.11	(loc) 15-16 15-16 10 13-15	l/defl >999 >704 n/a ⊳999	L/d 360 240 n/a 240	PLATES MT20	<b>GRIP</b> 197/144 FT = 10%
	2x4 SPF 2100F 1.86 SPF No.2 2x3 SPF No.2 *Exce No.2 Structural wood she 2-10-9 oc purlins, e 2-0-0 oc purlins (3-4 Rigid ceiling directly bracing. 1 Row at midpt (size) 10=0-5-8, Max Horiz 16=47 (LC Max Uplift 10=-328 ( Max Grav 10=1568	ept* 16-2,10-8:2x4 S eathing directly applie xcept end verticals, i-14 max.): 4-6. applied or 9-5-1 oc 3-16, 7-10 16=0-3-8 C 12) (LC 5), 16=-328 (LC (LC 1), 16=1568 (LC	4) 4 5) PF ed or 7) and 8) 9) 4)	chord live lo * This truss on the botto 3-06-00 tall chord and a All bearings Provide mec bearing plate 16 and 328 This truss is International R802.10.2 a Graphical pu		nt with any ed for a liv eas where will fit betw rs. be SPF 21 ion (by oth standing 3 0. ordance w de sections andard AN on does no	other live load e load of 20. a rectangle veen the bott 00F 1.8E . ers) of truss 28 lb uplift a ith the 2018 R502.11.1 : ISI/TPI 1. ot depict the	ads. .0psf tom to tt joint and	13-15	>999	240	Weight: 119 lb	FT = 10%
ORCES	(lb) - Maximum Com Tension 1-2=0/45, 2-3=-403/ 4-5=-2413/436, 5-6= 6-7=-2603/433, 7-8= 2-16=-447/159, 8-10	20, 3-4=-2603/433, 2413/435, 403/20, 8-9=0/45,											
BOT CHORD WEBS	,	3-15=-382/2759, 0-11=-401/2427 =-7/451, 5-15=-578/1 78/171, 6-11=-7/451	,								la l	STATE OF M	THEF IN W
this design 2) Wind: ASC Vasd=91n II; Exp C; cantilever right expo	ed roof live loads have	(3-second gust) DL=6.0psf; h=25ft; ( nvelope) exterior zor ; end vertical left an 0 plate grip DOL=1.	Cat. ne; d 60									PE-2022	BER HER

3) Provide adequate drainage to prevent water ponding.



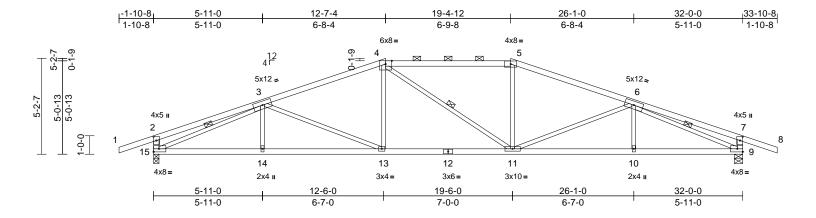
March 21,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	C4	Нір	1	1	Job Reference (optional)	164360233

Run: 8,73 S Feb 22 2024 Print: 8,730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:11 ID:5OwFtUN7mKogyWni2?EbDEz4SeE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



#### Scale = 1:62.6

Plate Offsets (X, Y):	[2:0-2-8,0-1-12	2], [7:0-2-8,0-1-12]					
Loading	(psf)	Spacing	2-0-0	CSI	0.93	DEFL	in
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC		Vert(LL)	-0.18

TCLL (roof)	25.0	Plate Grip DOL	1.15		тс	0.93	Vert(LL)	-0.18	13-14	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.75	Vert(CT)	-0.36	11-13	>999	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.96	Horz(CT)	0.13	9	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S		Wind(LL)	0.14	13-14	>999	240	Weight: 119 lb	FT = 10%
		pt* 15-2,9-7:2x4 SPI athing directly applie , and 2-0-0 oc purlin: applied or 9-5-5 oc 4-11, 3-15, 6-9 15=0-3-8 C 9) C 5), 15=-318 (LC 4	5) = (d, 7) (s (8) (9)	chord live loa * This truss h on the botton 3-06-00 tall b chord and an All bearings a Provide mecl bearing plate 15 and 318 lt This truss is o International R802.10.2 ar Graphical pu	ad nonconcurre nas been desig n chord in all a yy 2-00-00 widd yy other memb are assumed to hanical connee capable of wit o uplift at joint designed in ac Residential Co nd referenced a rlin representa titon of the pur I.	ent with any ined for a liv ireas where e will fit betw ers. o be SPF No ction (by oth thstanding 3 9. cordance w ode sections standard AN tion does no	other live loz e load of 20. a rectangle veen the bott 0.2. ers) of truss in the 2018 if R502.11.1 a ISI/TPI 1. ot depict the s	Opsf com to t joint and					
FORCES	(lb) - Maximum Com	pression/Maximum											
TOP CHORD	Tension 1-2=0/45, 2-3=-388/ 4-5=-2251/416, 5-6= 7-8=0/45, 2-15=-457	-2446/404, 6-7=-388	3/87,										
BOT CHORD	14-15=-386/2547, 13 11-13=-271/2250, 10 9-10=-340/2546	3-14=-386/2547,										OF N	
WEBS	3-14=0/240, 3-13=-3 4-11=-225/226, 5-11 6-10=0/239, 3-15=-2	=0/357, 6-11=-368/1	76,								A	STATE OF M	
this design 2) Wind: ASC Vasd=91m II; Exp C; I cantilever right expos	ed roof live loads have CE 7-16; Vult=115mph ph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed; Lumber DOL=1.6 dequate drainage to pr	Cat. e; d 60									PE-2022	BER CHARACTER CONTRACTOR	

March 21,2024

L/d PLATES

GRIP

l/defl

(loc)

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CTION **IEW** DEVELOPMENT SERVICES LEE'S' SUMMIT'S MISSOURI 07/11/2024 11:09:05

Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	C5	Roof Special Girder	1	1	Job Reference (optional)	164360234

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:11 ID:ZaUd5qOmXewXagMucjlqmSz4SeD-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

## Page: 1

35-10-8 34-0-0 |<u>-1-10-8</u> | 1-10-8 7-5-0 14-7-4 17-4-12 21-8-4 24-8-12 28-8-12 32-8-12 1-3-4 1-10-8 7-5-0 7-2-4 2-9-8 4-3-8 3-0-8 4-0-0 4-0-0 6x8= 6x12= 4 5 4<sup>12</sup> 3x4 II 6 3x4 = 8x8= 6x12= 6x6= 9 3 7 8 23 5-10-7 10 Į Þ 5 1 3-5-1 3-5-1 4x10 = 12 Ø 2 13 15 14 24 2-0-0 0-0-6x6= 6x12= 22 Þ 8x8 II 21 20 19 18 3x4 II 3x4 II 4x8= 3x4= 3x6= 10x16= 5x12= 34-0-0 7-5-0 14-6-0 17-6-0 21-10-0 24-10-0 28-8-12 32-7-8 4-4-0 3-10-12 1-4-8 7-5-0 7-1-0 3-0-0 3-0-0 3-10-12

Scale = 1:66.3

<ul> <li>2-9-5 oc purlins, except end verticals, and 2-0-0 oc purlins (3-3-0 max.): 4-5, 7-9.</li> <li>BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-11-13 oc bracing: 20-21 9-5-12 oc bracing: 15-16.</li> <li>Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60</li> <li>WEBS 1 Row at midpt 8-13 REACTIONS (size) 12=0-3-8, 22=0-3-8 Max Horiz 22=117 (LC 8) Max Uplift 12=-354 (LC 1), 22=1651 (LC 1)</li> <li>FORCES (b) - Maximum Compression/Maximum Tension</li> <li>TOP CHORD 1-2=0/47, 2-3=-2962/420, 3-4=-2449/358, 4-5=-2261/391, 5-6=-5737/901, 6-7=-5864/857, 7-8=-8373/1226, 8-9=-2170/338, 9-10=-2248/356, 10-11=0/45, 2-22=-1572/350, 10-12=-1738/385</li> <li>BOT CHORD 21-22=-185/434, 20-21=-424/2730,</li> <li>Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60</li> <li>Provide adequate drainage to prevent water ponding.</li> <li>* This truss has been designed for a 10.0 psf bottom chord and any other members.</li> <li>Bearings are assumed to be: Joint 22 SPF No.2, Joint 12 SP 2400F 2.0E.</li> <li>* Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 22 and 354 lb uplift at joint 12.</li> <li>* This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802 10.2 and referenced standard ANIS/UPI 1</li> </ul>	GRIP					
CDL         10.0         Lumber DOL         1.15         BC         0.84         Vert(CT)         -1.09         15-16         >370         240           VCL         0.0*         Rep Stress Incr         NO         NO         WB         1.00         Horz(CT)         0.21         12         n/a         n/a           VEDL         10.0         Code         IRC2018/TPI2014         Watrix-S         Wind(LL)         0.43         15-16         >370         240           VEDL         10.0         Code         IRC2018/TPI2014         Watrix-S         Wind(LL)         0.43         15-16         >370         240           VEDL         10.0         Code         IRC2018/TPI2014         Watrix-S         Wind(LL)         0.43         15-16         >370         240           VEDL         10.0         Code         IRC2018/TPI2014         Watrix-S         Wind(LL)         0.43         15-16         >370         240           VEDL         0.02         Code         Incomparison         Scales         10         Inares/Scales         10         Inares/Scales         10         Inares/Scales         10         Inares/Scales         15         10         Inares/Scales         10         Inares/Scales	197/144					
CLL         0.0*         Rep Stress Incr         NO         WB         1.00         Horz(CT)         0.21         12         n/a         n/a           CDL         10.0         Code         IRC2018/TPI2014         Matrix-S         Wind(LL)         0.43         15-16         9-93         240         Weight: 1631           UMBER         OP CHORD         2x4 SPF 2100F 1.8E *Except* 4-5:2x4 SPF         MES         3-21=-114/136, 3-20=-619/210,         10)         Hange(s) or other connection de provided sufficient to support cor down and 127 lb up at 22-00.         10)         Hange(s) or other connection de provided sufficient to support cor down and 127 lb up at 22-00.         10)         Hange(s) or other connection de provided sufficient to support cor down and 127 lb up at 22-00.         100 pat 30-80, and 71 lb down: 32-8-10 and 16 lb down and 23 lb up at 30-80, and 71 lb down: 32-8-10 and 16 lb down and 23 lb up at 32-8-0         10 down and 23 lb up at 32-8-0         10 up at 32-8-0         10 down and 23 lb up at 32-8-0         10 down and 23 lb up at 32-8-0         10 down and 127 lb up at 22-8-0         10 down and 127 lb up at 22-8-0         10 down and 127 lb up at 32-8-0         11 ln the LOAD CASE(S) Standard         10 bother tasse at fort (F)         10 down and 32 lb up at 32-8-0						
<ul> <li>UMBER OP CHORD 2x4 SPF 2100F 1.8E *Except* 4-5:2x4 SPF No.2, 7-9:2x6 SP 2400F 2.0E, 9-11:2x6 SPF No.2</li> <li>VEBS 2x4 SPF No.2 *Except* 16-12:2x6 SP 2400F 2.0E</li> <li>VEBS 2x3 SPF No.2 *Except* 16-5,12-10:2x4 SPF No.2, 22-2:2x6 SPF No.2</li> <li>VEBS 2x3 SPF No.2 *Except* 16-5,12-10:2x4 SPF No.2, 22-2:2x6 SPF No.2</li> <li>VEBS 2x3 SPF No.2 *Except* 16-5,12-10:2x4 SPF No.2, 22-2:2x6 SPF No.2</li> <li>VEBS 1x0 varing: 32-07 max): 45, 7-9 No.2, 22-2:2x6 SPF No.2</li> <li>VEBS 1x0 varing: 32-07 max): 45, 7-9 No.2, 22-2:2x6 SPF No.2</li> <li>VEBS 1x0 varing: 32-07 max): 45, 7-9 No.2, 22-2:2x6 SPF No.2</li> <li>VEBS 1x0 varing: 32-07 max): 45, 7-9 No.2, 22-2:2x6 SPF No.2</li> <li>VEBS 1x0 varing: 32-07 max): 45, 7-9 No.2, 22-2:2x6 SPF No.2</li> <li>VEBS 1x0 varing: 32-07 max): 45, 7-9 No CF CHORD</li> <li>VEBS 1x0 varing: 12-01 9-5-12 oc bracing: 15-16.</li> <li>VEBS 1x0 varing: 22-217 9-5-12 oc bracing: 15-16.</li> <li>VEBS 1x0 varing: 8-30 max): 45, 7-9 Max Upit: 12-354 (LC 6), 22-313 (LC 4) Max Grav 12-1524 (LC 1), 22-3151 (LC 1) 0PC CHORD</li> <li>(b) -Maximum Compression/Maximum Tension</li> <li>OP CHORD 1: -2=0/47, 2-3-2962/420, 3-4=-2449/358, 4-5=-2261/391, 5-6=-57379(126, 8-9-2170/338, 9-10=-2248/356, 10-11=0/45, 2-22=-157/3350, 10-12=-1738/3825</li> <li>OT CHORD 21-22-152/350, 10-12=-1738/385</li> <li>OT CHORD 2: 12-2-152/350, 10-12=-1738/385</li> <li>OT CHORD 2: 2-22=-152/350, 10-1</li></ul>						
<ul> <li>TOP CHORD 2x4 SPF 2100F 1.8E *Except* 4-5:2x4 SPF No.2, 7-9:2x6 SP 2400F 2.0E, 9-11:2x6 SP 4:200-32/370, 4-18237/2747, 5-38-217/248, 5-38-217/248, 5-38-217/248, 5-38-217/248, 5-38-217/248, 5-38-217/248, 5-38-217/248, 5-38-217/248, 5-38-217/248, 5-38-217/248, 5-38-217/248, 5-38-217/248, 5-38-217/248, 5-38-217/248, 5-38-217/248, 5-38-217/248, 5-38-217/238, 5-10-2248/386, 10-11=0/45, 2-224-248/2730, 5-307 CHORD</li> <li>CHORD CHORD 12-2047, 2-38-266/240, 3-48-2449/358, 4-5-2261/331, 5-6-5737/901, 6-7-55864/687, 7-8-582/37/226, 8-9-2170/338, 510-2248/386, 10-11=0/45, 2-224-1572/300, 507 CHORD 12-2047/366, 10-11=0/45, 2-248/343, 20-21-372/308, 510-218/242/2730, 507 CHORD 500 CHORD 51.22 218-248/342, 20-21-372/308, 510-218/242/2730, 507 CHORD 51.22 218-248/342, 20-21-372/3038, 510-2248/368, 10-11=0/45, 2-228-1572/306, 510-218-21739/385, 51</li></ul>	> FT = 10%					
<ul> <li>No.2, 7-9-2x8 SP 2400F 2.0E, 9-11:2x6 SPF No.2</li> <li>OT CHORD Zx4 SPF No.2 *Except* 16-12:2x6 SP 2400F 2.0E</li> <li>Yax SPF No.2 *Except* 16-5,12:10:2x4 SPF No.2, 22-2:2x6 SPF No.2</li> <li>RACING OP CHORD Structural wood sheathing directly applied or 2-9-5 oc purlins, except end verticals, and 2-9-0 oc purlins, except end verticals, and 2-9-5 oc pracing; 20-21</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; bcD</li></ul>	vice(s) shall be					
<ul> <li>No.2</li> <li>No.2</li> <li>No.2</li> <li>CHORD 2x4 SPF No.2 *Except* 16-12:2x6 SP 2400F</li> <li>ZOT CHORD 2x3 SPF No.2 *Except* 16-5,12-10:2x4 SPF</li> <li>No.2, 22-2:2x6 SPF No.2</li> <li>RACING</li> <li>OP CHORD Structural wood sheathing directly applied or DP CHORD CO co purlins, (3-3-0 max.): 4-5, 7-9.</li> <li>OT CHORD Rigid ceiling directly applied or 10-0-0 co bracing: Except:</li> <li>B-11-13 oc bracing: 20-21</li> <li>B-5-12 co bracing: 15-16.</li> <li>Factions (size) 12=0-3-8, 22=0-3-8</li> <li>Max Horiz 22=117 (LC 8)</li> <li>Max Korar 12=1524 (LC 1), 22=1651 (LC 1)</li> <li>OP CHORD 12=-04/7, 2-3=2962/420, 3-4=-2449/358, 4-5=-2261/391, 5-6=-5737/901, 6-7=-5864/857, 7-8=-8373/1226, 0-12=-1738/385</li> <li>OT CHORD 21-22-1572/350, 01-12=-1738/385</li> <li>OT CHORD 2</li></ul>						
OT CHORD2x4 SPF No.2 *Except* 16-12:2x6 SP 2400F 2.0E7-15=-956/199, 8-14=0/146, 9-13=-84/435, 2.2-1287/2309, 10-13=-298/2010, 8-15=-287/2309, 10-13=-298/2010, 9-10=-70 oc purlins, except end verticals, and 2-0-0 oc purlins, except end verticals, and 2-2-157/2300, 112-70, 10-1110 Inblue Color purlins, except end verticals, and 2-2-157/2360, 112-70, 12-2-157/2360, 10-12=-158/48/2, 22-313 (LC 4) Max Grav 12=22417 (LC 8) Max Horiz 12=2-157/2350, 10-12=-1738/385 OT CHORD10-12-10, 12-2145/24/20, 3-4=-2449/358, 4-5=-2261/391, 5-6=-5737/901, 6-7=-5864/857, 7-8=-8373/1226, 8-9-2170/338, 9+10=-2248/366, 10-11=0/45, 2-22=-157/350, 10-12=-1738/385 OT CHORD10-22-115/23/230, 10-12=-1738/385 10-12=-1738/385 10-12=-1738/385 10-12=-1738/						
<ul> <li>2.0E</li> <li>2.0E<td></td></li></ul>						
<ul> <li>X3 SPF No.2 *Except* 16-5,12-10:2x4 SPF No.2, 22-2:2x6 SPF No.2</li> <li>RACING</li> <li>OP CHORD Structural wood sheathing directly applied or 2-9-5 oc purlins, except end verticals, and 2-0-0 oc purlins (3-3-0 max): 4-5, 7-9.</li> <li>NOTES</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; B=25f; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60</li> <li>Provide adequate drainage to prevent water ponding.</li> <li>Provide adequate drainage to revent water ponding.</li> <li>This truss has been designed for a 10.0 psf bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.</li> <li>Bearings are assumed to be: Joint 22 SPF No.2, Joint 12 SP 2400F 2.0E.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 2 SP 2400F 2.0E.</li> <li>Provide mechanical concection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 2 SP 2400F 2.0E.</li> <li>Provide mechanical consection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 2 SP 2400F 2.0E.</li> <li>Provide mechanical Code sections R502.11.1 and PR8/2012 a 2nd argefrenced standard ANS/ITE 1</li> </ul>						
<ul> <li>No.2, 22-2:2x6 SPF No.2</li> <li>NOTES</li> <li>NOTES</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Dod CASE(S) Standard</li> <li>Dead + Roof Live (balanced): L Provide adequate drainage to prevent water ponding.</li> <li>This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.</li> <li>Bearings are assumed to be: Joint 22 SPF No.2, Joint 12 SP 2400F 2.0E.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 2.22e-1572/350, 10-12e-1738/385</li> <li>COT CHORD</li> <li>21-22e-185/434, 20-21=-424/2/730,</li> <li>CHORD</li> <li>21-22e-185/434, 20-21=-424/2/730,</li> <li>And Terrartonal Residential Code sec</li></ul>						
<ul> <li>In the LOAD CASE(S) section, load of the trust are noted as from this design.</li> <li>In the LOAD CASE(S) section, load of the trust are noted as from this design.</li> <li>In the LOAD CASE(S) section, load of the trust are noted as from this design.</li> <li>In the LOAD CASE(S) section, load of the trust are noted as from this design.</li> <li>In the LOAD CASE(S) section, load of the trust are noted as from this design.</li> <li>In the LOAD CASE(S) section, load of the trust are noted as from the trust are noted as fr</li></ul>						
<ul> <li>COP CHORD Structural wood sheathing directly applied or 2-9-5 oc purlins, except end verticals, and 2-0-0 oc purlins (3-3-0 max.): 4-5, 7-9.</li> <li>KOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 8-11-13 oc bracing: 20-21 9-5-12 oc bracing: 15-16.</li> <li>WEBS 1 Row at midpt 8-13 (EEACTIONS (size) 12-0-3-8, 22=0-3-8 Max Uplift 12=-354 (LC 5), 22=-313 (LC 4) Max Grav 12=1524 (LC 1), 22=1651 (LC 1)</li> <li>COP CHORD 1-2=0/47, 2-3=-2962/420, 3-4=-2449/358, 4-5=-2261/391, 5-6=-5737/901, 6-7=-5864/857, 7-8=-8373/1226, 8-9=-2170/338, 9-10=-2248/356, 10-11=0/45, 2-22=-1572/350, 10-12=-1738/385</li> <li>KOT CHORD 21-22=-185/344, 20-21=-424/2730, 20-21=-424/2730, 20-20</li> <li>COP CHORD 21-22=-185/434, 20-21=-424/2730, 20-20</li> <!--</td--><td></td></ul>						
<ul> <li>2-0-0 oc purlins, (3-3-0 max); 4-5, 7-9.</li> <li>OT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:</li> <li>8-11-13 oc bracing: 20-21</li> <li>9-5-12 oc bracing: 15-16.</li> <li>7-5-12 oc bracing: 15-20 (LC 1), 22-1651 (LC 1)</li> <li>7-5-12 oc bracing: 12-20-12.</li> <li>7-5-12 oc bra</li></ul>	11) In the LOAD CASE(S) section, loads applied to the fa					
<ul> <li>OT CHORD</li> <li>Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 8-11-13 oc bracing: 15-16.</li> <li>JESE C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; end vertical left and right exposed; lumber DOL=1.60 plate grip DOL=1.60</li> <li>Provide adequate drainage to prevent water ponding.</li> <li>Jeactions (size) 12=0-3-8, 22=0-3-8 (LC 5), 22=-313 (LC 4) Max Grav 12=1524 (LC 1), 22=1651 (LC 1) Maximum Tension</li> <li>OP CHORD</li> <li>OP CHORD</li> <li>12=0/47, 2-3=-2962/420, 3-4=-2449/358, 4-5=-2261/391, 5-6=5737/901, 6-7=-5864/857, 7-8=-8373/1226, 8-9=-2170/338, 9-10=-2248/356, 10-11=0/45, 2-22=-1572/350, 10-12=-1738/385</li> <li>OT CHORD</li> <li>21-22=-185/434, 20-21=-424/2730,</li> <li>This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802 10: 2 and z54 micro and any SI/ 2 and z54 micro and any SI/ 2 and z54 micro and any SI/ 2 and z64 and ANS//TEL 1</li> </ul>	or back (B).					
<ul> <li>bracing, Except:</li> <li>bracing, Except:</li> <li>8-11-13 oc bracing: 20-21</li> <li>9-5-12 oc bracing: 15-16.</li> <li>(JEBS</li> <li>1 Row at midpt</li> <li>8-13</li> <li>(JEACTIONS</li> <li>(size)</li> <li>12=0-3-8, 22=0-3-8</li> <li>Max Upift</li> <li>12=-354 (LC 5), 22=-313 (LC 4)</li> <li>Max Grav</li> <li>12=1524 (LC 1), 22=1651 (LC 1)</li> <li>OP CHORD</li> <li>1-2=0/47, 2-3=-2962/420, 3-4=-2449/358, 4-5=-261/391, 5-6=-5737/901, 6-7=-5864/857, 7-8=-8373/1226, 8-9=-10=-703/122, 22=-1572/350, 10-12=-7138/385</li> <li>OT CHORD</li> <li>21-22=-185/434, 20-21=-424/2730,</li> <li>cantilever left and right exposed; end vertical left and right exposed; end v</li></ul>						
<ul> <li>Bithong, Loopt</li> &lt;</ul>	imber Increase=1.15					
<ul> <li>9-5-12 oc bracing: 15-16.</li> <li>YEBS 1 Row at midpt 8-13</li> <li>Provide adequate drainage to prevent water ponding.</li> <li>This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.</li> <li>Max Horiz 22=117 (LC 8) Max Uplift 12=-354 (LC 5), 22=-313 (LC 4) Max Grav 12=1524 (LC 1), 22=1651 (LC 1)</li> <li>ORCES (b) - Maximum Compression/Maximum Tension</li> <li>OP CHORD 1-2=0/47, 2-3=-2962/420, 3-4=-2449/358, 4-5=-2261/391, 5-6=-5737/901, 6-7=-5864/857, 7-8=-8373/1226, 8-9=-2170/338, 9-10=-2248/356, 10-11=0/45, 2-22=-1572/350, 10-12=-1738/385</li> <li>OT CHORD 21-22=-185/434, 20-21=-424/2730,</li> <li>Provide adequate drainage to prevent water ponding. This truss has been designed for a 10.0 psf bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.</li> <li>Bearings are assumed to be: Joint 22 SPF No.2, Joint 12 SP 2400F 2.0E.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 2-22=-1572/350, 10-12=-1738/385</li> <li>OT CHORD 21-22=-185/434, 20-21=-424/2730,</li> <li>Provide mechanical Code sections R502.11.1 and R802 10 2 and referenced standard ANSI//FIL1</li> </ul>						
<ul> <li>This truss has been designed for a 10.0 psf bottom (size) 12=0-3-8, 22=0-3-8</li> <li>Max Horiz 22=117 (LC 8)</li> <li>Max Uplift 12=-354 (LC 5), 22=-313 (LC 4)</li> <li>Max Grav 12=1524 (LC 1), 22=1651 (LC 1)</li> <li>ORCES (b) - Maximum Compression/Maximum Tension</li> <li>OP CHORD 1-2=0/47, 2-3=-2962/420, 3-4=-2449/358, 4-5=-2261/391, 5-6=-5737/901, 6-7=-5864/857, 7-8=-8373/1226, 8-9=-2170/338, 9-10=-2248/356, 10-11=0/45, 2-22=-1572/350, 10-12=-1738/385</li> <li>OT CHORD 21-22=-185/434, 20-21=-424/2730,</li> <li>This truss has been designed for a 10.0 psf bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.</li> <li>Bearings are assumed to be: Joint 22 SPF No.2, Joint 12 SP 2400 F 2.0E.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 22 and 354 lb uplift at joint 12.</li> <li>This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802 10 2 and referenced standard ANSI//TEI 1</li> </ul>	70 5-770 7-970					
<ul> <li>EACTIONS (size) 12=0-3-8, 22=0-3-8 Max Horiz 22=117 (LC 8)</li> <li>Max Uplift 12=-354 (LC 5), 22=-313 (LC 4)</li> <li>Max Grav 12=1524 (LC 1), 22=1651 (LC 1)</li> <li>Max Grav 12=1524 (LC 1), 22=1651 (LC 1)</li> <li>Max Grav 12=1524 (LC 1), 22=1651 (LC 1)</li> <li>ORCES (lb) - Maximum Compression/Maximum Tension</li> <li>OP CHORD 1-2=0/47, 2-3=-2962/420, 3-4=-2449/358, 4-5=-2261/391, 5-6=-5737/901, 6-7=-5864/857, 7-8=-8373/1226, 8-9=-2170/338, 9-10=-2248/356, 10-11=0/45, 2-22=-1572/350, 10-12=-1738/385</li> <li>OT CHORD 21-22=-185/434, 20-21=-424/2730,</li> <li>Chord live load nonconcurrent with any other live loads.</li> <li>* This 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.</li> <li>Bearings are assumed to be: Joint 22 SPF No.2, Joint 12 SP 2400F 2.0E.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 22 and 354 lb uplift at joint 12.</li> <li>This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802 10 2 and referenced standard ANSI//TEI 1</li> </ul>						
<ul> <li>Max Horiz 22=117 (LC 8) Max Uplift 12=-354 (LC 5), 22=-313 (LC 4) Max Grav 12=1524 (LC 1), 22=1651 (LC 1)</li> <li>ORCES (Ib) - Maximum Compression/Maximum Tension</li> <li>OP CHORD 1-2=0/47, 2-3=-2962/420, 3-4=-2449/358, 4-5=-2261/391, 5-6=-5737/901, 6-7=-5864/857, 7-8=-8373/1226, 8-9=-2170/338, 9-10=-2248/356, 10-11=0/45, 2-22=-1572/350, 10-12=-1738/385</li> <li>OT CHORD 21-22=-185/434, 20-21=-424/2730,</li> <li>* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.</li> <li>Bearings are assumed to be: Joint 22 SPF No.2, Joint 12 SP 2400F 2.0E.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 22 and 354 lb uplift at joint 12.</li> <li>This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802 10.2 and referenced standard ANS//TEL1</li> </ul>						
Max Uplift 12=-354 (LC 5), 22=-313 (LC 4) Max Grav 12=1524 (LC 1), 22=1651 (LC 1) ORCES (lb) - Maximum Compression/Maximum Tension OP CHORD 1-2=0/47, 2-3=-2962/420, 3-4=-2449/358, 4-5=-2261/391, 5-6=-5737/901, 6-7=-5864/857, 7-8=-8373/1226, 8-9=-2170/338, 9-10=-2248/356, 10-11=0/45, 2-22=-1572/350, 10-12=-1738/385 OT CHORD 21-22=-185/434, 20-21=-424/2730,	Vert: 9=30 (F), 8=30 (F), 13=52 (F), 23=30 (F)					
<ul> <li>Max Grav 12=1524 (LC 1), 22=1651 (LC 1)</li> <li>ORCES (lb) - Maximum Compression/Maximum Tension</li> <li>OP CHORD 1-2=0/47, 2-3=-2962/420, 3-4=-2449/358, 4-5=-2261/391, 5-6=-5737/901, 6-7=-5864/857, 7-8=-8373/1226, 8-9=-2170/338, 9-10=-2248/356, 10-11=0/45, 2-22=-1572/350, 10-12=-1738/385</li> <li>OT CHORD 21-22=-185/434, 20-21=-424/2730, 2-21=-424/2730</li></ul>						
ORCES       (ib) - Maximum Compression/Maximum Tension         OP CHORD       1-2=0/47, 2-3=-2962/420, 3-4=-2449/358, 4-5=-2261/391, 5-6=-5737/901, 6-7=-5864/857, 7-8=-8373/1226, 8-9=-2170/338, 9-10=-2248/356, 10-11=0/45, 2-22=-1572/350, 10-12=-1738/385         OT CHORD       21-22=-185/434, 20-21=-424/2730, 21-22=-424/2730, 21-22=-185/434, 20-21=-424/2730, 21-22=-424/2730, 21-22=-424/2730, 21-22=-424/2730, 21-22=-424/2730, 21-22=-424/2730, 21-22=						
12 SP 2400F 2.0E.         12 SP 2400F 2.0E. <t< td=""><td></td></t<>						
OP CHORD         1-2=0/47, 2-3=-2962/420, 3-4=-2449/358, 4-5=-2261/391, 5-6=-5737/901, 6-7=-5864/857, 7-8=-8373/1226, 8-9=-2170/338, 9-10=-2248/356, 10-11=0/45, 2-22=-1572/350, 10-12=-1738/385         7)         Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 22 and 354 lb uplift at joint 12.           VOT CHORD         21-22=-1572/350, 10-12=-1738/385 21-22=-185/434, 20-21=-424/2730,         7)         Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 22 and 354 lb uplift at joint 12.         7)           VOT CHORD         21-22=-185/434, 20-21=-424/2730,         This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802 10 2 and referenced standard ANSI/TPL 1         NATH	~					
30T CHORD 21-22=-185/434, 20-21=-424/2730, R802 10 2 and referenced standard ANSI/TPL 1	and					
SOT CHORD 21-22=-185/434, 20-21=-424/2730, R802 10 2 and referenced standard ANSI/TPL 1	MISS					
OT CHORD 21-22=-185/434, 20-21=-424/2730, R802 10 2 and referenced standard ANSI/TPL 1	NUS					
OT CHORD 21-22=-185/434, 20-21=-424/2730, R802 10 2 and referenced standard ANSI/TPL 1	ANIEL YEN					
	DX X					
	The state					
16 17-0/97 6 16- 227/140 9) Graphical punin representation does not depict the size	1 10					
15-16=-1196/8444, 14-15=-839/5776, or the orientation of the purlin along the top and/or bottom chord.	TIS In					
13-14=-839/5776, 12-13=-31/304	1BER 2042259					

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

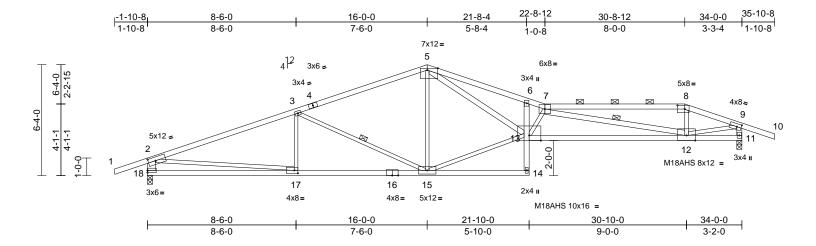


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March 21,2024

Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	C6	Roof Special	1	1	Job Reference (optional)	164360235

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:12 ID:CL9JTJ7yjt9fxIggJ5Mgtpz4SeZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



#### Scale = 1:65.9

Plate Offsets (X, Y): [2:0-4-15,0-2-8], [5:0-7-4,Edge], [8:0-5-0,0-2-8], [9:0-3-0,0-2-0], [17:0-2-8,0-2-0]													
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	3/TPI2014	CSI TC BC WB Matrix-S	0.98 0.84 0.97	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.54 -0.98 0.21 0.39	(loc) 13 12-13 11 13	l/defl >743 >411 n/a >999	L/d 360 240 n/a 240	PLATES MT20 M18AHS Weight: 137 lb	<b>GRIP</b> 197/144 142/136 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD WEBS REACTIONS	2100F 1.8E 2x4 SPF No.2 *Exce 1.8E 2x3 SPF No.2 *Exce No.2, 12-7:2x4 SPF SPF No.2 Structural wood shee except end verticals, (2-2-0 max.): 7-8. Rigid ceiling directly bracing. 1 Row at midpt (size) 11=0-3-8, Max Horiz 18=125 (L Max Uplift 11=-318 ( Max Grav 11=1654 ( (lb) - Maximum Com Tension 1-2=0/47, 2-3=-2993 5-6=-5673/849, 6-7= 7-8=-2433/339, 8-9= 2-18=-1573/341, 9-1	pt* 13-11:2x4 SPF 2 pt* 13-5,11-9:2x4 SP 2100F 1.8E, 18-2:2x athing directly applie , and 2-0-0 oc purlins applied or 6-0-0 oc 3-15, 7-12 18=0-3-8 .C 8) LC 5), 18=-297 (LC - (LC 1), 18=1661 (LC pression/Maximum //378, 3-5=-2323/336 -5773/784, -2617/334, 9-10=0/4 17=-380/2749, 4=0/95, 6-13=-190/1 1-12=-20/49 -784/229, 5=-178/2100, 3=-1522/321, 2=0/465, 2=-327/2533	PF 3) (6 4) (7) (1) (7) (7) (7) (7) (7) (7) (7) (7	Vasd=91mpi II; Exp C; Er cantilever lef Provide ader All plates are This truss ha chord live loi * This truss ha chord live loi on the botton 3-06-00 tall I chord and are Bearings are 11 SPF 2100 Provide mee bearing plate 18 and 318 I This truss is International R802.10.2 a ) Graphical pu	hanical connection a capable of withsta b uplift at joint 11. designed in accord Residential Code s not referenced stan- irlin representation ation of the purlin a d.	CDL=6. nvelope 1; end v 60 plate revent v ss other or a 10.0 vith any for a liv is where I fit betw bint 18 \$ (by oth noding 2 lance w sections dard AN does no	Opsf; h=25ft; a) exterior zo: vertical left ar grip DOL=1. water ponding wise indicate 0 psf bottom other live loa- re load of 20.1 ser load of 20.1 SPF No.2, Jc vers) of truss i 297 lb uplift al \$ R502.11.1 a \$ SISUTP1 1. bt depict the s	ne; nd 60 g. dd. dds. 0psf om bint to t joint				STATE OF M NATHA	

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

March 21,2024

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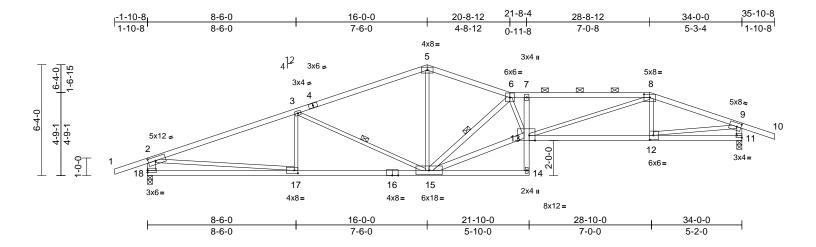
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	C7	Roof Special	1	1	Job Reference (optional)	164360236

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:12 ID:CL9JTJ7yjt9fxlggJ5Mgtpz4SeZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



#### Scale = 1:65.9

L (Tool) L (Too	late Offsets (	X, Y): [2:0-4-15,0-2-8	], [8:0-4-0,0-2-3], [9: I	0-2-14,0-2	2-8], [11:Edge,0	)-1-8], [12:0-2-8, T	0-3-0], [13	:0-4-0,Edge]	], [17:0-2-	8,0-2-0]			1	
L       10.0       Lumber DOL       1.15       BC       0.83       Writ(T)       0.06       12.13       5610       240         Matrix-S       0.8       Writ(T)       0.06       11       n/a       n/a       n/a         VL       10.0       Code       IRC2018/TPI2014       Matrix-S       0.8       Writ(T)       0.06       11       n/a       n/a       n/a         IBER       CHORD       2x4 SPF No.2       FS F No.2       SC       7.16       VIII:4115mph (3-second gust)       Vasd=91mph; 17.5       III:5 mode       <	oading													
L       0.0*       Rep Bress Ind*       YES       WB       0.86       Mark:-S       Mull       1       n/a       n/a       n/a         BER       ChORD       2x4 SPF No.2 *Except* 6-8:2x4 SPF 2400F       Wind: ASCE 7-16; Vull=115mph (3-second gus)       200       200       200       Valid: ASCE 7-16; Vull=115mph (3-second gus)       200       200       Valid: ASCE 7-16; Vull=115mph (3-second gus)       Valid: AS	CLL (roof)		1 1					· · /					MT20	197/144
IL         10.0         Code         IRC2018/TP12014         Matrix-S         Wind(L)         0.26         13         >999         240         Weight: 137 Ib         FT = 10%.           IBER C CHORD         2v4 SPF No.2 "Except' 6-8:2x4 SPF 2400F 2.0E         (Mark ASCE 7-16; Vull=115mph (3-second gust)         (Vull=15mph (3-second gust))	CDL							· · ·						
<ul> <li>Wind: ASCE 7-16; Vult=115mph (3-second gust)</li> <li>Vasd-91mph: TCDL=6.0psf; BcDL=6.0psf; hc25ft; Cat. 2.0E</li> <li>Wind: ASCE 7-16; Vult=115mph (3-second gust)</li> <li>Vasd-91mph: TCDL=6.0psf; BcDL=6.0psf; hc25ft; Cat. 11; Exp C: Enclosed; MWFRS (envelope) exterior zone; catliever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 psf beta SPF No.2</li> <li>CHORD Structural wood sheatning directly applied.</li> <li>CHORD Rigid ceiling directly applied or 9-6-0 ce bracing.</li> <li>ST Row at midpt 3-15, 6-15</li> <li>CHORD Rigid ceiling directly applied or 9-6-0 ce bracing.</li> <li>St Row at midpt 3-15, 6-15</li> <li>CHORD Rigid ceiling directly applied or 9-6-0 ce bracing.</li> <li>St Row at midpt 3-15, 6-15</li> <li>CHORD Rigid ceiling directly applied or 9-6-0 ce bracing.</li> <li>St Row at midpt 3-15, 6-15</li> <li>CHORD Rigid ceiling directly applied or 9-6-0 ce bracing.</li> <li>St Row at midpt 3-15, 6-15</li> <li>CHORD Rigid ceiling directly applied or 9-6-0 ce bracing.</li> <li>St Row at midpt 3-15, 6-15</li> <li>CHORD Rigid ceiling directly applied or 9-6-0 ce bracing.</li> <li>St Row at midpt 3-15, 6-15</li> <li>CHORD Rigid ceiling directly applied or 9-6-0 ce bracing.</li> <li>St Row at midpt 3-15, 6-15</li> <li>CHORD 1-2-0472, 2-32-2985/373, 3-56-2308/336; 5-6-56-2281/332, 6-716-5708/327, 15-73-3792/189, 12-13-315/2679, 15-17-33792/189, 12-13-315/2679, 15-17-37392/189, 12-2-345/322, 15-15-398/320, 6-13=-21771338, 8-11=-1604/337</li> <li>CHORD 1-2-2447, 2-31-55-5198/320, 6-13=-21771338, 8-11=-809(843, 6-13=-21771338, 8-11=-809(843, 6-1</li></ul>	CLL						0.85	. ,						
<ul> <li>CHORD 2x4 SPF No.2 "Except" 6-8:2x4 SPF 2400F 2.0E</li> <li>CHORD 2x4 SPF No.2 "Except" 15-6;11-9:2x4 SPF No.2, 15-13:2x4 SPF 2100F 1.8E, 18-2:2x6 SPF No.2 "Except" 15-6;11-9:2x4 SPF No.2, 15-13:2x4 SPF 2100F 1.8E, 18-2:2x6 SPF No.2</li> <li>CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 co purlins (CHORD Rigid ceiling directly applied or 9-6-0 co bracing.</li> <li>ST Row at midpt 3-15, 6-15</li> <li>CHORD Rigid ceiling directly applied or 9-6-0 co bracing.</li> <li>S3 1 Row at midpt 3-15, 6-15</li> <li>CHORD Rigid ceiling directly applied or 9-6-0 co bracing.</li> <li>S3 1 Row at midpt 3-15, 6-15</li> <li>CHORD Rigid ceiling directly applied or 9-6-0 co bracing.</li> <li>S3 1 Row at midpt 3-15, 6-15</li> <li>CHORD 12-20(47, 23-29295/373, 3-5-2308/36, 2-18-274/338, 9-11-1604/337</li> <li>CHORD 1-2-0/47, 23-29295/373, 3-5-2308/36, 6-15-2217/338, 9-11-3-043/37</li> <li>CHORD 1-2-0/47, 23-29295/373, 3-5-2308/36, 6-15-2217/338, 9-11-3-04/327216, 8-1574/338, 9-11-3-04/332, 6-15-2205/473, 15-5-5794/0219, 7-28-4803464, 8-9-2871/041, 9-10-0/45, 5-6-22231/332, 6-13-23072216, 8-12-2241/32, 2-17-19222203, 9-12-2309/2477</li> <li>E8</li> <li>Mature Combine Combine</li></ul>	CDL	10.0	Code	IRC201	8/TPI2014	Matrix-S		Wind(LL)	0.26	13	>999	240	Weight: 137 lb	FT = 10%
<ul> <li>2.0E</li> <li>2.0E</li> <li>2.0F</li> <li>2.2.0E</li> <li>2.2.0F</li> <li>2.2.2.0F</li> <li>2.2.2.2.5.2.2.5.2.5.2.5.2.5.5.5.5.5.5.5</li></ul>	MBER			2	) Wind: ASCE	7-16; Vult=115r	mph (3-seo	ond gust)						
<ul> <li>CHORD 2x4 SPF No.2</li> <li>SX SPF No.2 "Except 15-6,11-9;2x4 SPF No.2 "Except 15-6,11-9;2x4 SPF No.2</li> <li>SPF No.2 (SPF No.2 SPF No.2 (SPF No.2 SPF No.2 (SPF No.2</li></ul>	P CHORD	2x4 SPF No.2 *Exce	pt* 6-8:2x4 SPF 240	00F										
<ul> <li>3S 2x3 SPF No.2 *Except 15-6,11-9:2x4 SPF No.2 *Except 15-6,11-9:2x4 SPF No.2 *Fixed states of the set of the se</li></ul>		2.0E												
<ul> <li>No.2, 15-13-2x4 SPF 2100F 1.8E, 18-22x6 SPF No.2</li> <li>Provide adequate drainage to prevent water ponding.</li> <li>Provide adequate drainage to prevent water ponding.</li> <li>This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.</li> <li>This truss has been designed for a 10.0 psf bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.</li> <li>All bearings are assumed to be SPF No.2.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 294 lb uplift at joint 18 and 318 lb uplift at joint 11.</li> <li>This truss has been designed for a 10.0 psf bottom chord and any other members.</li> <li>All bearings are assumed to be SPF No.2.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 294 lb uplift at joint 18 and 318 lb uplift at joint 11.</li> <li>This truss has been designed for a 10.0 psf bottom chord and any other members.</li> <li>All bearings are assumed to be SPF No.2.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 294 lb uplift at joint 18 and 318 lb uplift at joint 11.</li> <li>This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANS/TPI 1.</li> <li>Graphical putifit nepresentation does not depict the size or the orientation of the putifin along the top and/or bottom chord.</li> <li>LOAD CASE(S) Standard</li> <li>This truss has been designed for a 10.0 psf bottom chord.</li> <li>LOAD CASE(S) Standard</li> <li>Provine Mathematical connection of the putific part of the size or the orientation of the putific part of the putific part of the size or the orientation of the putific part of the size or the orientation of the putific part of the size or the orientation of the putific part of the size or the orientation of the putific part of t</li></ul>	T CHORD	2x4 SPF No.2												
<ul> <li>SPF No.2</li> <li>SPF No.2</li> <li>CHORD Structural wood sheathing directly applied, except and verticals, and 2-0-0 oc purlins (2-2-0 max): 68.</li> <li>This truss has been designed for a 10.0 pst bottom chord in all areas where a rectangle 3-06-00 talb y2-00-00 wide will fit between the bottom chord and any other members.</li> <li>This truss has been designed for a 10.0 pst bottom chord in all areas where a rectangle 3-06-00 talb y2-00-00 wide will fit between the bottom chord and any other members.</li> <li>All bearings are assumed to be SPF No.2.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 294 lb uplift at joint 18.</li> <li>Max Horiz 18=125 (LC 8)</li> <li>Max Grav 11=1654 (LC 1), 18=264 (LC 4)</li> <li>Max Grav 11=1654 (LC 1), 18=1661 (LC 1)</li> <li>CHORD 1-2=0/47, 2-3=-2995/373, 3-5=-2308/336, 5-6=-2281/332, 6-7=-48021679, 7-8=-4803/604, 8-9=-2879/401, 9-10=0/45, 2-12-13a-415/2751, 14=15=19/107, 13=14=0/90, 7-13=-392/189, 12=13=-315/2679, 11=2=-46/219</li> <li>S 3-17=51/1453, 15=-579/2302, 5=15=-80/983, 6=15=-2005/455, 13=15=-519/4362, 6=13=-217/1339, 8=13=-301/2251, 8=12=-309/2477</li> <li>ES</li> <li>Ubabalanced roof live loads have been considered for</li> </ul>	BS													
<ul> <li>chronic file load on concurrent with any other live loads.</li> <li>cHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (2-20 max): 6-8.</li> <li>cHORD Rigid ceiling directly applied or 9-6-0 oc bracing.</li> <li>S 1 Row at midpt 3-15, 6-15</li> <li>S 1 Row at midpt 3-315, 6-15</li> <li>CTIONS (size) 111-0-38, 18-0-3-8.</li> <li>Max Horiz 18=125 (LC 8) Max Horiz 18=125 (LC 8) Max Grav 11=1664 (LC 1), 18=1661 (LC 1)</li> <li>Max Grav 11=1654 (LC 1), 18=1661 (LC 1)</li> <li>CHORD 1-20/47, 2-33-2995/373, 3-5=-2308/33, 6-7=-4692/679, 7-8=-4603/664 + 892879/101, 9-10-0045, 2-18=-1574/338, 9-11=-1604/337</li> <li>CHORD 1-7-18=-241/557, 15-179-375/2751, 14-15=-19107, 15-14=000, 5-15=-80/983, 6-15=-2905/455, 13-15=-519/4362, 6-13=-217/1339, 8-113=-301/2221, 8-12=-309/2477</li> <li>E8</li> <li>Unbalanced roof live loads have been considered for</li> </ul>			F 2100F 1.8E, 18-2:											
<ul> <li>CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 cc purlins (2-2-0 max); 6-8.</li> <li>CHORD Rigid ceiling directly applied or 9-6-0 oc bracing.</li> <li>S1 Row at midpt 3-15, 6-15</li> <li>S1 Row at midpt 3-15, 6-15</li> <li>CHORD (size) 11=0-3-8, 18=0-3-8 Max Horiz 18=125 (LC 8) Max Horiz 18=125 (LC 1), 18=1661 (LC 1) Max Grav 11=1654 (LC 1), 18=1661 (LC 1) Max Grav 11=1654 (LC 1), 18=1661 (LC 1) Max Grav 11=1654 (LC 1), 18=1661 (LC 1)</li> <li>CHORD 1-2=0/47, 2-3=-2995/373, 3-5=-2308/336, 5-6=-2281/332, 6-7=-4692/679, 7-8=-4803/694, 6-9=-2879/401, 9-10=0/45, 2-138=1574/338, 9-11=-1604/337</li> <li>CHORD 1-2=0/47, 1-3=-301/2251, 8-1-3=-301/2251, 8-12=-230/12251, 8-12=-230/2477</li> <li>ES</li> <li>Ubabalanced roof live loads have been considered for</li> </ul>		SPF No.2		4										
<ul> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-8.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-8.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-8.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-8.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-8.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-8.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-8.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-8.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-8.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-8.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-8.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-8.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-15.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-15.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-15.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-15.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-15.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-15.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-15.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-15.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-15.</li> <li>correction of verticals, and 2-0-0 oc purlins. (2-2-0 max): 6-15.</li> <li>correction of verticals, and 2-0-0-0 with an all areas where a rectangle 2-30-0-0 with standing 294 to puplit at joint 1.</li> <li>correction of verticals. and 2-0-0-0.</li> <li>correction of verticals. and 2-0-0-0.</li> <li>correction of verticals. (2-2-0 max): 6-17.</li> <li>correction of verticals. (2-0-0).</li> <li>correction of verticals. (2-0-0).</li> <li>correction of verticals. (2-0-0).<!--</td--><td>ACING</td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></li></ul>	ACING			-										
<ul> <li>CHORD Rigid ceiling directly applied or 9-6-0 oc bracing.</li> <li>3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.</li> <li>CHORD Rigid ceiling directly applied or 9-6-0 oc bracing.</li> <li>38 1 Row at midpt 3-15, 6-15</li> <li>Stan 218 - 125 (LC 8) Max Uplift 11318 (LC 5), 18=-294 (LC 4) Max Grav 11-1654 (LC 1), 18=1661 (LC 1)</li> <li>CEES (lb) - Maximum Compression/Maximum Frestion</li> <li>CHORD 1-2=0/47, 2-3=-2995/373, 3-5=-2308/336, 5-6=-2281/332, 6-7=-4692/679, 7-8=-4803/694, 8-9=-2879/401, 9-10=0/45, 2-18=-1574/338, 9-11=-1604/337</li> <li>CCHORD 1-7-18-241/55, 15-17=-736/2751, 14=1574/338, 9-11=-1604/337</li> <li>CCHORD 1-7-18-247/55, 15-17=-736/2751, 14=1574/338, 9-11=-604/337</li> <li>CCHORD 1-2=0/47, 13=-5-19/4362, 6-13=-230/236, 5-6=-2095/337, 3-5=-2308/336, 5-6=-2281/338, 1-1=-604/337</li> <li>CCHORD 1-2=-309/2477</li> <li>ES</li> <li>Ubbalanced roof live loads have been considered for</li> </ul>	P CHORD			ea, -					.0pst					
<ul> <li>CHORD Rigid ceiling directly applied or 9-6-0 oc bracing.</li> <li>SS 1 Row at midpt 3-15, 6-15</li> <li>SS 1 Row at midpt 3-15, 6-15</li> <li>SS 1 Row at midpt 11=0-3-8, 18=0-3-8</li> <li>Max Horiz 18=125 (LC 8) Max Upit 11=-318 (LC 5), 18=-294 (LC 4) Max Grav 11=1654 (LC 1), 18=-1661 (LC 1)</li> <li>CES (b) - Maximum Compression/Maximum Tension</li> <li>CHORD 1-2=047, 2-3=-2981/332, 6-7=-4692/679, -7-8=-4803/694, 8-9=-2879/401, 9-10=0/45, 2-18=-1574/338, 9-11=-104/337</li> <li>CHORD 17-18=-241/557, 15-17=-375/2751, 14-156-19/4362, 6-13=-2177/139, 8-13=-798/230, 5-15=-80/983, 6-15=-2905/455, 13-15=-519/4362, 6-13=-2171/339, 8-13=-301/2251, 8-12=-234/132, 2-17=-192/2203, 9-12=-309/2477</li> <li>TES</li> <li>Unbalanced roof live loads have been considered for</li> </ul>			, and 2-0-0 oc purlin	S					4.0.00					
<ul> <li>All bearings are assumed to be SPF No.2.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 294 lb uplift at joint 1.</li> <li>Max Horiz 18–125 (LC 8)</li> <li>Max Grav 11=1654 (LC 1), 18=1661 (LC 1)</li> <li>Max Grav 11=1654 (LC 1), 18=1661 (LC 1)</li> <li>Max Grav 11=1654 (LC 1), 18=1661 (LC 1)</li> <li>CHORD 1-2=0/47, 2-3=-2995/373, 3-5=-2308/336, 5-6=-2281/332, 6-7=-4692/679, 7-8=-4693/6694, 8-9=-2879/401, 9-10=0/45, 2-18=-1574/338, 9-11=-1604/337</li> <li>CHORD 17-18=-241/557, 15-17=-375/2751, 14-15=-91/07, 13-14=0/90, 7-13=-392/189, 12-13=-315/2679, 11-12=-46/219</li> <li>35 3-17=-51/195, 3-15=-798/306, 6-13=-217/139, 8-13=-301/2251, 8-12=-309/2477</li> <li>ES</li> <li>Unbalanced roof live loads have been considered for</li> </ul>								veen the bot	lom					
<ul> <li>Braving.</li> <li>Brow at midpt 3-15, 6-15</li> <li>ICTIONS (size) 11=0-38, 18=0-3-8 Max Horiz 18=125 (LC 8) Max Uplit 11=-318 (LC 5), 18=-294 (LC 4) Max Grav 11=1654 (LC 1), 18=1661 (LC 1)</li> <li>ICES (lb) - Maximum Compression/Maximum Tension</li> <li>ICHORD 17-20/47, 2-3=-2995/373, 3-5=-2308/336, 5-6=-2281/332, 6-7=-4692/679, 7-8=-4803/694, 8-9=-2879/401, 9-10=0/45, 2-18=-1574/338, 9-11=-1604/337</li> <li>ICHORD 17-18=-241/557, 15-17=-375/2751, 14-15=-191/07, 13-14=0/90, 7-13=-392/189, 12-13=-315/2679, 11-12=-46/219</li> <li>SS 3-17=-51/195, 3-15=-519/3302, 6-13==-2905/455, 13-15=-519/3302, 6-13==-2905/455, 13-15=-519/3302, 6-13==-207/1339, 8-13=-301/2251, 8-12=-234/132, 2-17=-192/2203, 9-12=-309/2477</li> <li>ES Unbalanced roof live loads have been considered for</li> </ul>	T CHORD	• • •	applied or 9-6-0 oc	e.										
<ul> <li>Scrient and an end of the second se</li></ul>									to					
<ul> <li>11=0-36, 16=0-36</li> <li>Max Horiz 18=125 (LC 8)</li> <li>Max Horiz 18=125 (LC 3)</li> <li>Max Grav 11=1654 (LC 1), 18=1661 (LC 1)</li> <li>CES (b) - Maximum Compression/Maximum Tension</li> <li>CHORD 1-2=0/47, 2-3=-2995/373, 3-5=-2308/336, 5-6=-2281/332, 6-7=-4692/679, 7-8=-4803/694, 8-9=-2879/401, 9-10=0/45, 2-18=-1574/338, 9-11=-1604/337</li> <li>CHORD 17-18=-241/557, 15-17=-375/2751, 14-15=-19/107, 13-14=0/90, 7-13=-392/189, 12-13=-315/2679, 11-12=-46/219</li> <li>3S 3-17=-51/195, 3-15=-789/230, 5-15=-80/983, 6-15=-2095/455, 13-15=-519/4362, 6-13=-217/1339, 8-13=-301/2251, 8-12=-234/132, 2-17=-192/2203, 9-12=-309/2477</li> <li>ES</li> <li>Unbalanced roof live loads have been considered for</li> </ul>	BS		,	1										
<ul> <li>Max Honz 18=125 (LC 8) Max Uplift 11=-318 (LC 5), 18=-294 (LC 4) Max Grav 11=1654 (LC 1), 18=1661 (LC 1)</li> <li>Max Grav 11=1654 (LC 1), 18=1661 (LC 1)</li> <li>CES (lb) - Maximum Compression/Maximum Tension</li> <li>CHORD 1-2=0/47, 2-3=-2995/373, 3-5=-2308/336, 5-6=-2281/332, 6-7=-4692/679, 7-8=-4803/694, 8-9=-2879/401, 9-10=0/45, 2-18=-1574/338, 9-11=-1604/337</li> <li>CHORD 17-18=-241/557, 15-17=-375/2751, 14-15=-19/107, 13-14=0/90, 7-13=-392/189, 12-13=-315/2679, 11-12=-46/219</li> <li>3S 3-17=-51/195, 3-15=-798/230, 5-15=-80/983, 6-15=-2905/455, 13-15=-519/4362, 6-13=-217/1339, 8-13=-301/2251, 8-12=-234/132, 2-17=-192/2203, 9-12=-309/2477</li> <li>ES</li> <li>Unbalanced roof live loads have been considered for</li> </ul>	ACTIONS	(size) 11=0-3-8,	18=0-3-8					.94 ib upint e	at joint					
Max Uplift 11=-318 (LC 5), 18=-294 (LC 4) Max Grav 11=1654 (LC 1), 18=1661 (LC 1) SCES (b) - Maximum Compression/Maximum Tension CHORD 1-2=0/47, 2-3=-2995/373, 3-5=-2308/336, 5-6=-2281/332, 6-7=-4692/679, 7-8=-4803/694, 8-9=-2879/401, 9-10=0/45, 2-18=-1574/338, 9-11=-1604/337 CHORD 17-18=-241/557, 15-17=-375/2751, 14+15=-19/107, 13-14=0/90, 7-13=-392/189, 12-13=-315/2679, 11-12=-46/219 3S 3-17=-51/195, 3-15=-798/230, 5-15=-80/983, 6-15=-2905/455, 13-15=-519/4362, 6-13=-217/1339, 8-13=-301/2251, 8-12=-234/132, 2-17=-192/2203, 9-12=-309/2477 TES Unbalanced roof live loads have been considered for				8				ith the 2018						
Max Grav       11=1654 (LC 1), 18=1661 (LC 1)         PCES       (lb) - Maximum Compression/Maximum Tension       R802.10.2 and referenced standard ANSI/TPI 1.         9       CHORD       1-2=0/47, 2-3=-2995/373, 3-5=-2308/336, 5-6=-2281/332, 6-7=-4692/679, 7-8=-4803/694, 8-9=-2879/401, 9-10=0/45, 2-18=-1574/338, 9-11=-1604/337       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         12-13=-315/2679, 11-12=-46/219       Standard         3S       3-17=-51/195, 3-15=-798/230, 5-15=-80/983, 6-15=-2905/455, 13-15=-519/4362, 6-13=-217/1339, 8-13=-301/2251, 8-12=-234/132, 2-17=-192/2203, 9-12=-309/2477       NATHANIEL FOX         FS       Unbalanced roof live loads have been considered for       PE-2022042259				4)										
ICES       (lb) - Maximum Compression/Maximum Tension       9)       Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.         9)       Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.         12=0/47, 2-3=-2995/373, 3-5=-2308/336, 5-6=-2281/332, 6-7=-4692/679, 2-18=-1574/338, 9-11=-1604/337       9)       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         12-13=-315/2679, 11-12=-46/219       Standard         3S       3-17=-51/195, 3-15=-798/230, 5-15=-80/983, 6-15=-2905/455, 13-15=-519/4362, 6-13=-217/1339, 8-13=-301/2251, 8-12=-234/132, 2-17=-192/2203, 9-12=-309/2477       NATHANIEL FOX         FES       Unbalanced roof live loads have been considered for       PE-2022042259		Max Grav 11=1654	(LC 1), 18=1661 (LC	C 1)					ana					
Tension       or the orientation of the purlin along the top and/or         PCHORD       1-2=0/47, 2-3=-2995/373, 3-5=-2308/336,         5-6=-2281/332, 6-7=-4692/679,       or the orientation of the purlin along the top and/or         bottom chord.       DAD CASE(S)         2-18=-1574/338, 9-11=-1604/337       CHORD         17-18=-241/557, 15-17=-375/2751,       14-15=-19/107, 13-14=0/90, 7-13=-392/189,         12-13=-315/2679, 11-12=-46/219       S         3S       3-17=-51/195, 3-15=-519/4362,         6-15=-2905/455, 13-15=-519/4362,         6-15=-2905/455, 13-15=-519/4362,         6-15=-2905/455, 13-15=-519/4362,         6-13=-217/1339, 8-13=-301/2251,         8-12=-234/132, 2-17=-192/2203,         9-12=-309/2477	RCES	(lb) - Maximum Com	pression/Maximum	9					size					
CHORD       1-2=0/47, 2-3=-2995/373, 3-5=-2308/336, 5-6=-2281/332, 6-7=-4692/679, 7-8=-4803/694, 8-9=-2879/401, 9-10=0/45, 2-18=-1574/338, 9-11=-1604/337       bottom chord.         CHORD       17-18=-241/557, 15-17=-375/2751, 14-15=-19/107, 13-14=0/90, 7-13=-392/189, 12-13=-315/2679, 11-12=-46/219       LOAD CASE(S) Standard         3S       3-17=-51/195, 3-15=-789/230, 5-15=-80/983, 6-15=-2905/455, 13-15=-519/4362, 6-13=-217/1339, 8-13=-301/2251, 8-12=-234/132, 2-17=-192/2203, 9-12=-309/2477       NATHANIEL FOX         FS       Unbalanced roof live loads have been considered for       PE-2022042259		Tension												
7-8=-4803/694, 8-9=-2879/401, 9-10=0/45, 2-18=-1574/338, 9-11=-1604/337         7 CHORD       17-18=-241/557, 15-17=-375/2751, 14-15=-19/107, 13-14=0/90, 7-13=-392/189, 12-13=-315/2679, 11-12=-46/219         3S       3-17=-51/195, 3-15=-798/230, 5-15=-80/983, 6-15=-2905/455, 13-15=-519/4362, 6-13=-217/1339, 8-13=-301/2251, 8-12=-234/132, 2-17=-192/2203, 9-12=-309/2477         ES         Unbalanced roof live loads have been considered for	P CHORD	1-2=0/47, 2-3=-2995	5/373, 3-5=-2308/33	6,			<b>J</b>							
7-8=-4803/694, 8-9=-2879/401, 9-10=0/45,         2-18=-1574/338, 9-11=-1604/337         CHORD       17-18=-241/557, 15-17=-375/2751,         14-15=-19/107, 13-14=0/90, 7-13=-392/189,         12-13=-315/2679, 11-12=-46/219         3S       3-17=-51/195, 3-15=-798/230, 5-15=-80/983,         6-15=-2905/455, 13-15=-519/4362,         6-13=-217/1339, 8-13=-301/2251,         8-12=-234/132, 2-17=-192/2203,         9-12=-309/2477 <b>FS</b> Unbalanced roof live loads have been considered for		5-6=-2281/332, 6-7=	-4692/679,	L	OAD CASE(S)	Standard								
SS 3-17=517195, 5-15=-519/4362, 6-15=-2905/455, 13-15=-519/4362, 6-13=-217/1339, 8-13=-301/2251, 8-12=-234/132, 2-17=-192/2203, 9-12=-309/2477 TES Unbalanced roof live loads have been considered for PE-2022042259				45, –	(-)									~
SS 3-17=517195, 5-15=-519/4362, 6-15=-2905/455, 13-15=-519/4362, 6-13=-217/1339, 8-13=-301/2251, 8-12=-234/132, 2-17=-192/2203, 9-12=-309/2477 TES Unbalanced roof live loads have been considered for PE-2022042259													A	and
SS 3-17=517195, 5-15=-519/4362, 6-15=-2905/455, 13-15=-519/4362, 6-13=-217/1339, 8-13=-301/2251, 8-12=-234/132, 2-17=-192/2203, 9-12=-309/2477 TES Unbalanced roof live loads have been considered for PE-2022042259	T CHORD												H TO OF I	AIS C
SS 3-17=517195, 5-15=-519/4362, 6-15=-2905/455, 13-15=-519/4362, 6-13=-217/1339, 8-13=-301/2251, 8-12=-234/132, 2-17=-192/2203, 9-12=-309/2477 TES Unbalanced roof live loads have been considered for PE-2022042259				189,								6	9 50	N.O.
SS 3-17=517195, 5-15=-519/4362, 6-15=-2905/455, 13-15=-519/4362, 6-13=-217/1339, 8-13=-301/2251, 8-12=-234/132, 2-17=-192/2203, 9-12=-309/2477 TES Unbalanced roof live loads have been considered for PE-2022042259												B	NATUA	NIET XXX
6-13=-217/1339, 8-13=-301/2251, 8-12=-234/132, 2-17=-192/2203, 9-12=-309/2477 <b>ES</b> Unbalanced roof live loads have been considered for PE-2022042259	BS			/983,								A		
8-12=-234/132, 2-17=-192/2203, 9-12=-309/2477 TES Unbalanced roof live loads have been considered for PE-2022042259												b.	FU.	^
9-12=-309/2477 TES Unbalanced roof live loads have been considered for PE-2022042259												N P	1 11	1 L1 *
TES Unbalanced roof live loads have been considered for PE-2022042259			=-192/2203,									2	TTK -	11 Tim
Unbalanced roof live loads have been considered for PE-2022042259		9-12=-309/2477										11-	a yand	REF OV
	TES											17	DE 2022	012250 TAL
	Unbalance this design		been considered fo	r								(V)	PE-2022	042239 JA

this design.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent toulsable personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



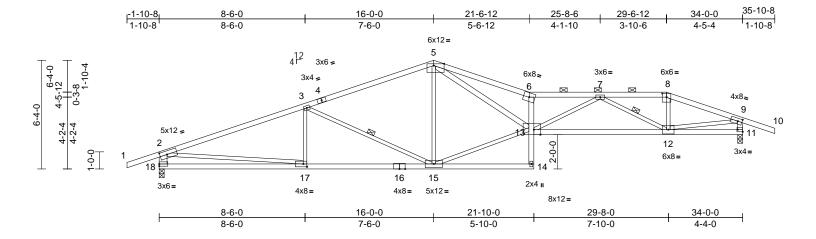
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March 21,2024

SSIONAL

Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	C8	Roof Special	1	1	Job Reference (optional)	164360237

Run; 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:12 ID:CL9JTJ7yjt9fxIggJ5Mgtpz4SeZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



#### Scale = 1:67.1

	(	<b>O</b> menting	0.0.0		001		DEFL		(1)	1/-1-41	1.74	PLATES	GRIP
oading CLL (roof)	(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15		TC	0.98	Vert(LL)	in -0.46	(loc) 6-13	l/defl >882	L/d 360	MT20	197/144
DL	10.0	Lumber DOL	1.15		BC	0.98	Vert(CT)		12-13	>487	240	101120	197/144
LL	0.0*	Rep Stress Incr	YES		WB	0.78	Horz(CT)	-0.83	12-13	/a //	240 n/a		
DL	10.0	Code		8/TPI2014	Matrix-S	0.90	Wind(LL)	0.17	6-13	>999		Woight: 124 lb	FT = 10%
DL	10.0	Code	IKC201	0/1112014	Matrix-S		WIND(LL)	0.33	0-13	>999	240	Weight: 134 lb	F1 = 10%
MBER			2)		7-16; Vult=115mp								
P CHORD	2x4 SPF No.2 *Exce	pt* 5-6:2x4 SPF 210	0F		h; TCDL=6.0psf; B								
	1.8E				closed; MWFRS (e								
T CHORD	2x4 SPF No.2 *Exce	pt* 13-11:2x4 SPF 2	100F		ft and right expose								
	1.8E				d; Lumber DOL=1.								
BS	2x3 SPF No.2 *Exce				quate drainage to p			ıg.					
	No.2, 18-2:2x6 SPF	No.2	4)		as been designed f								
ACING			E)		ad nonconcurrent v has been designed								
P CHORD	Structural wood she				m chord in all areas			.opsi					
	except end verticals,	, and 2-0-0 oc purlins	S					tom					
	(2-2-0 max.): 6-8.       3-06-00 tall by 2-00-00 wide will fit between the bottom         Rigid ceiling directly applied or 9-5-11 oc       chord and any other members.												
T CHORD		applied or 9-5-11 oc	; 6)		assumed to be: Jo	oint 18 S	SPF No.2 . J	oint					
BS	bracing. 6) Bearings are assumed to be: Joint 18 SPF No.2, Joint 11 SPF 2100F 1.8E.												
			7)		hanical connection	(by oth	ers) of truss	to					
	(size) 11=0-3-8, Max Horiz 18=125 (L		,	bearing plate	e capable of withsta	anding 2	95 lb uplift a	at joint					
	Max Uplift 11=-318 (	,	4)		b uplift at joint 11.								
	Max Grav 11=1654 (				designed in accord								
			- 1)		Residential Code			and					
RCES	(lb) - Maximum Com Tension	pression/iviaximum			nd referenced stan								
P CHORD	1-2=0/47, 2-3=-2993	0/275 2 5- 2222/226	9)		In representation			size					
	5-6=-5652/837, 6-7=		),		ation of the purlin a	long the	top and/or						
	7-8=-2524/364, 8-9=		15	bottom chor									
	2-18=-1573/339, 9-1	,	, Lo	DAD CASE(S)	Standard							000	TO
T CHORD	17-18=-241/560, 15-											TATE OF M	Alson
	14-15=-19/133, 13-1		/396.									BIE	-0.0 M
	12-13=-571/4188, 11		,								6	N	Nes /
BS	3-17=-54/190, 3-15=	-784/229,									B	S/ NATHA	NIEL VVV
	5-15=-281/123, 13-1	5=-178/2105,									· A	FO	
	5-13=-594/3932, 8-1										a/	L.A	1-1+
	2-17=-194/2198, 9-1										NT.	The	
	7-13=-116/1285, 7-1	2=-1900/330									R L	X (ranie)	
TES											123		DER J
Unbalance	ed roof live loads have	been considered for									N.	O PE-20220	142259 / A L
this design	۱.										V	181	151





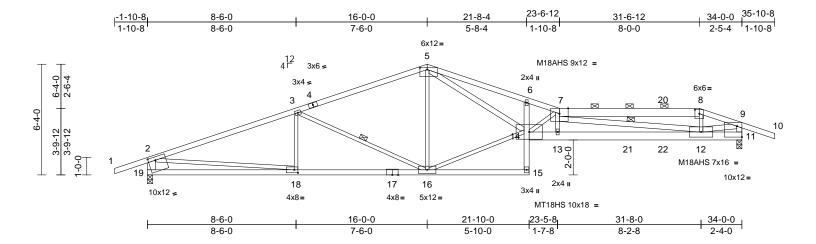
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March 21,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	C9	Roof Special Girder	1	1	Job Reference (optional)	164360238

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:12 ID:CL9JTJ7yjt9fxlggJ5Mgtp24SeZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



#### Scale = 1:65.9

late Offsets (2	X, Y): [5:0-5-0,0-1-4]	, [8:0-3-0,0-2-11], [1 <sup>-</sup>	1:Edge,0-	7-8], [18:0-2-8,	0-2-0], [19:0-5-0,	0-2-4]							
oading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
CLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.89	Vert(LL)	-0.59	14	>684	360	MT20	197/144
DL	10.0	Lumber DOL	1.15		BC	0.88	Vert(CT)	-1.06	15	>382	240	M18AHS	142/136
LL	0.0*	Rep Stress Incr	NO		WB	0.99	Horz(CT)	0.21	11	n/a	n/a	MT18HS	197/144
DL	10.0	Code	IRC20	8/TPI2014	Matrix-S		Wind(LL)	0.44	14	>920	240	Weight: 157 lb	FT = 10%
MBER			1	) Unbalanced	roof live loads h	ave been o	considered fo	or	Ur	niform Lo	oads (I	b/ft)	
P CHORD	2x4 SPF 2100F 1.8	E *Except* 5-7:2x4 S	SPF	this design.									), 7-8=-70, 8-9=-70,
	2400F 2.0E, 7-8:2x6	SPF No.2, 8-10:2x4	4 2		E 7-16; Vult=115r					9-10=-7	'0, 15-'	19=-20, 11-14=-2	0
	SPF No.2				h; TCDL=6.0psf;				Co	oncentra		· · /	
T CHORD	2x4 SPF No.2 *Exce	ept* 14-11:2x6 SP 24	400F		nclosed; MWFRS					Vert: 12	2=-24 (	B), 21=-272 (B), 2	22=-3 (B)
	2.0E		cantilever left and right exposed ; end vertical left and r;2x4 SPF right exposed; Lumber DOL=1.60 plate grip DOL=1.60										
BS	2x3 SPF No.2 *Exce												
	2100F 1.8E, 19-2:2>		3 4		quate drainage t e MT20 plates ur								
	11-9,12-9:2x4 SPF	N0.2	45		as been designe			<del>.</del>					
	Other strengthere and all a	a de la su allas a de una a lla			ad nonconcurrer			ade					
P CHORD	Structural wood she				has been design								
	2-5-3 oc purlins, ex 2-0-0 oc purlins (2-1		na °		m chord in all are			opo.					
T CHORD	Rigid ceiling directly		<b>^</b>		by 2-00-00 wide			tom					
	bracing.	applied of 0-11-5 of	6		ny other member								
BS	1 Row at midpt	3-16, 7-12	7	) Bearings ar	e assumed to be	: Joint 19 S	SPF No.2 , Jo	oint					
ACTIONS		, 19=0-3-8		11 SP 2400									
	Max Horiz 19=127 (1		8		chanical connect								
	Max Uplift 11=-428	,	4)		e capable of with		15 lb uplift a	t joint					
	Max Grav 11=1900		1		Ib uplift at joint 1								
RCES	(lb) - Maximum Con		9 (1		designed in acc								
	Tension	ipression/maximum			I Residential Coo and referenced st			and					
P CHORD	1-2=0/47, 2-3=-3123	3/423. 3-5=-2469/38	4. 1		urlin representati			size					
	5-6=-6441/1068, 6-7	7=-6473/1000,	· ·		ation of the purli			0120				and	TOP
	7-8=-3080/554, 8-9=	-3289/568, 9-10=0/	45,	bottom choi								A OF I	MISCO
	2-19=-1627/359, 9-		1	1) Hanger(s) c	r other connectio	on device(s	) shall be				1	TATE OF M	W.OS
T CHORD	18-19=-244/592, 16			provided su	fficient to support	t concentra	ted load(s) 6	60 lb			A	S NATHA	May 1
	,	15=0/97, 6-14=-307/	144,		lb up at 29-6-0,						A	*/	
	13-14=-1202/8051,	12-13=-1209/8050,			on top chord, and						4	LA MEO	
DO	11-12=0/106	705/040			ind 16 lb down ai						И 🗖		AV. X
BS	3-18=-62/186, 3-16= 5-16=-348/145, 14-				and 44 lb up at 3						8	K / Kin	1 Am
	5-16=-348/145, 14- 5-14=-800/4641, 7-				selection of such	connectio	n device(s) is	s the			27	VAL W W	KER NAZ
	7-13=-60/277, 7-12=		responsibilit			افعا مع	6000			14	PE-2022	042250 188	
	8-12=-39/563, 2-18=	1		CASE(S) section			lace			(V)	PE-2022	042259	
0.12 - 500/2242					are noted as from	וו (ר) טו מם	UN (D).				Y	100	1 ONB
TES	2 .12 000/02/L			OAD CASE(S		-IX-11		45				UNIONIA	TENA
163		1	LOAD CASE(S)       Standard         1)       Dead + Roof Live (balanced): Lumber Increase=1.15,										

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

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March 21,2024

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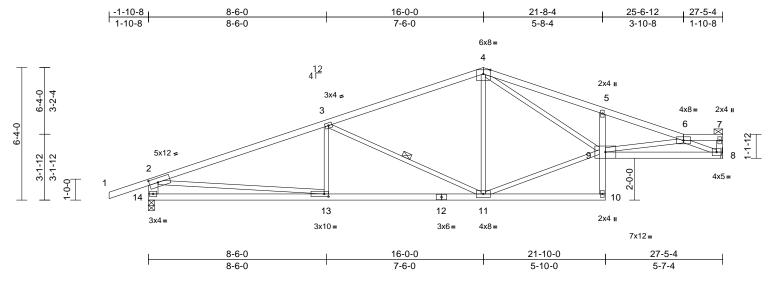
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Page: 1

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

Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	C10	Roof Special	1	1	Job Reference (optional)	164360239

#### Run: 8,73 S Feb 22 2024 Print: 8,730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:12 ID:CL9JTJ7yjt9fxIggJ5Mgtpz4SeZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:55

#### Plate Offsets (X, Y): [2:0-4-15,0-2-8], [13:0-2-8,0-1-8]

	(X, 1): [2:0 + 10;0 2 0	j, [10.0 2 0,0 1 0]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.85 0.66 0.54	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	-0.30 0.07	(loc) 11-13 11-13 8 11-13	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 108 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	<ul> <li>2x4 SPF No.2</li> <li>2x3 SPF No.2 *Exce</li> <li>14-2:2x6 SPF No.2</li> <li>Structural wood she</li> <li>2-7-9 oc purlins, ex</li> <li>2-0-0 oc purlins (6-0</li> <li>Rigid ceiling directly bracing.</li> <li>1 Row at midpt</li> </ul>	athing directly applie cept end verticals, a -0 max.): 6-7. applied or 9-9-7 oc 3-11 unical, 14=0-3-8 _C 8) C 5), 14=-278 (LC 4	.2, 6j 77 ed or 8, nd 9j	on the bottor 3-06-00 tall to chord and ar All bearings Provide mec bearing plate 8 and 278 lb This truss is International R802.10.2 a		s where ill fit betv e SPF N uss conin n (by oth anding 1 dance w sections ndard AN n does n	a rectangle veen the botto o.2. nections. ers) of truss t 66 lb uplift at the 2018 \$ R502.11.1 a USI/TPI 1. bt depict the s	om to t joint					
FORCES	(lb) - Maximum Com	<i>,,</i>	,										
TOP CHORD	4-5=-2713/449, 5-6=	-2732/360, 6-7=-11											
BOT CHORD	7-8=-103/27, 2-14=- 13-14=-249/503, 11- 10-11=-9/83, 9-10=0 8-9=-342/2227	-13=-353/2078,											TE
WEBS	3-13=0/232, 3-11=-8 9-11=-151/1351, 4-9 6-9=-16/354, 6-8=-2	)=-281/1421,									6	14	AISSOL
<ul> <li>this desig</li> <li>Wind: AS</li> <li>Vasd=91</li> <li>II; Exp C;</li> <li>cantilever</li> <li>right expo</li> <li>Provide a</li> <li>This truss</li> </ul>	ced roof live loads have	been considered for (3-second gust) DL=6.0psf; h=25ft; ( nvelope) exterior zor ; end vertical left an 0 plate grip DOL=1. event water ponding r a 10.0 psf bottom	r Cat. ne; d 60 g.									PE-20220	BER 042259

- 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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March 21,2024

Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	C11	Common	1	1	Job Reference (optional)	164360240

Run: 8,73 S Feb 22 2024 Print: 8,730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:13 ID:gXihhf7bUBHWZRFstotvP0z4SeY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

33-10-8 0-10-8 8-6-0 16-0-0 22-0-6 26-10-15 33-0-0 8-6-0 7-6-0 6-0-6 4-10-9 6-1-1 4x8= 5 12 4 3x6 ≠ Ŧ 3x4≈ 3x4 ≠ 6 4 3 3x10≈ 6-4-0 7 5x12 🚅 8x8≈ 2 8 0-0-9 9.9 10 15 Π 14 13 12 11 3x4= 4x8= 3x10= 4x5= 3x4= 16-0-0 24-10-1 8-6-0 33-0-0 8-6-0 8-10-1 8-1-15 7-6-0

Scale = 1:62.6

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

Plate Offsets (	X, Y): [2:0-4-15,0-2-8	], [8:0-3-15,0-5-10],	[14:0-2-8,0-2	2-0]									
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/7	TPI2014	<b>CSI</b> TC BC WB Matrix-S	0.94 0.85 0.83	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	-0.49 0.12	(loc) 11-13 11-13 10 11-13	l/defl >999 >792 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 119 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	(size) 10=0-3-8, Max Horiz 15=-85 (L Max Uplift 10=-264 (	2.0E athing directly applie applied or 9-4-3 oc 3-13, 7-10, 6-13 15=0-3-8 C 9) LC 5), 15=-302 (LC	b.2, 5) / 5) / 6)   ed,   7) <sup>-</sup> LOA	on the bottom 3-06-00 tall b chord and an All bearings a Provide mech bearing plate 15 and 264 lk This truss is a International	as been designed n chord in all area y 2-00-00 wide w y other members are assumed to be annical connection capable of withst o uplift at joint 10. designed in accor Residential Code d referenced star Standard	ill fit betv ill fit betv e SPF No n (by oth anding 3 dance w sections	a rectangle veen the bott o.2. ers) of truss t 02 lb uplift at ith the 2018 5 R502.11.1 a	to t joint					
FORCES	Max Grav 10=1538 ( (lb) - Maximum Com Tension 1-2=0/47, 2-3=-2879	pression/Maximum )/393, 3-5=-2202/326	,										
BOT CHORD WEBS	5-6=-2179/317, 6-7= 7-8=-1066/218, 8-9= 8-10=-639/201 14-15=-199/553, 13- 11-13=-285/2630, 1( 3-14=-52/184, 3-13=	:0/24, 2-15=-1526/34 14=-343/2641, 0-11=-386/2928 :-789/235, 5-13=-62/										COLOR N	
<ul> <li>this design</li> <li>Wind: ASC</li> <li>Vasd=91m</li> <li>II; Exp C; I</li> <li>cantilever</li> <li>right exposition</li> <li>This truss</li> </ul>	2-14=-209/2097, 7-1 6-13=-801/243, 6-11 ed roof live loads have h. CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (en left and right exposed sed; Lumber DOL=1.60 has been designed for load nonconcurrent wi	=-4/396, 7-11=-189/ been considered for (3-second gust) DL=6.0psf; h=25ft; C ivelope) exterior zor ; end vertical left and 0 plate grip DOL=1.6 r a 10.0 psf bottom	Cat. De; d 50									S NATHA FOI	SER 042259

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



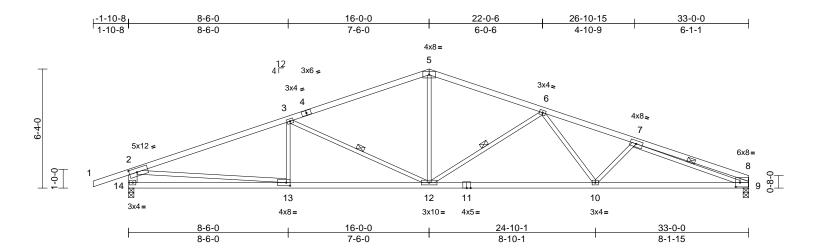
March 21,2024

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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	C12	Common	1	1	Job Reference (optional)	164360241

Run: 8,73 S Feb 22 2024 Print: 8,730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:13 ID:1m2?IAOOIx2OBqx59QG3Ifz4SeC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:61.3

#### Plate Offsets (X, Y): [2:0-4-15,0-2-8], [8:0-2-12,0-2-12], [13:0-2-8,0-2-0]

Flate Offsets (	X, Y): [2:0-4-15,0-2-8	], [8:0-2-12,0-2-12], [	[13:0-2-8,0-2-0]								
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI20	CSI TC BC WB 14 Matrix-S	0.94 0.87 0.93	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	-0.23 1	0-12 >  0-12 > 9	defl L/ 999 36 775 24 n/a n/ 999 24	0 MT20 0 a	<b>GRIP</b> 197/144 FT = 10%
FORCES	bracing. 1 Row at midpt (size) 9=0-3-8, 1 Max Horiz 14=90 (LC Max Upliff 9=-216 (L Max Grav 9=1460 (L (lb) - Maximum Com Tension	athing directly applie applied or 8-11-13 c 3-12, 6-12, 7-9 (4=0-3-8 2 8) C 5), 14=-302 (LC 4) C 1), 14=1616 (LC 4) pression/Maximum	on the 3-06-( F chord 5) All be 6) Provic bd, bearin 14 an 0c 7) This tr Intern R802. LOAD CA	truss has been design bottom chord in all are 0 tall by 2-00-00 wide and any other member arings are assumed to le mechanical connecti g plate capable of with d 216 lb uplift at joint 9. uss is designed in accu ational Residential Cod 10.2 and referenced st <b>SE(S)</b> Standard	eas where will fit betw 's. be SPF No on (by oth standing 3 ordance w le sections	a rectangle veen the botto o.2. ers) of truss to 02 lb uplift at ith the 2018 R502.11.1 a	o joint				
TOP CHORD BOT CHORD WEBS	1-2=0/47, 2-3=-2882 5-6=-2183/318, 6-7= 7-8=-844/154, 2-14= 13-14=-205/553, 12- 10-12=-307/2634, 9- 3-13=-53/184, 3-12= 6-12=-802/243, 6-10 2-13=-210/2100, 7-9	3041/446, 1528/347, 8-9=-463 -13=-352/2644, -10=-418/2959 788/235, 5-12=-63/ )=-9/402, 7-10=-212/	3/126 /895,							SS OF A	MISC
this desigr 2) Wind: ASC Vasd=91rr II; Exp C; I cantilever right expos 3) This truss	ed roof live loads have	been considered for (3-second gust) DL=6.0psf; h=25ft; C ivelope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 • a 10.0 psf bottom	Cat. ie; d 50							PE-2022	X 042259

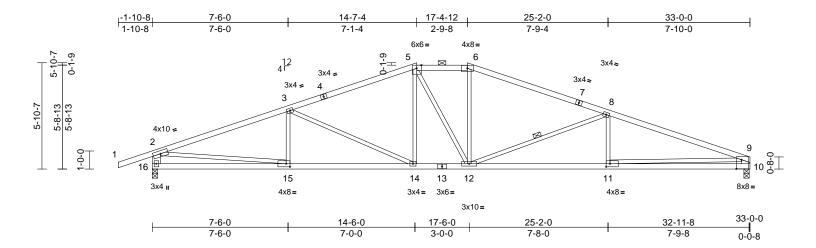
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent toulsable personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	C13	Нір	1	1	Job Reference (optional)	164360242

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:13 ID:1m2?IAOOIx2OBqx59QG3Ifz4SeC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



## Scale = 1:63.6

Plate (	Offeete	(X)	٧١٠	[10:0-3-8,0-6-0], [11:0-2-8,0-2-0], [15:0-2-8,0-2-0]	
I IALE V	2113613	17.	1 /.	10.0-3-0.0-0-01, 111.0-2-0.0-2-01, 113.0-2-0.0-2-01	

Plate Offsets (	X, Y): [10:0-3-8,0-6-0	], [11:0-2-8,0-2-0], [1 -	5:0-2-8,0-	-2-0]			-					-	
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.89 0.86 0.91	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	-0.44 0.09	(loc) 11-12 11-12 10 11-12	l/defl >999 >893 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 123 lb	<b>GRIP</b> 197/144 FT = 10%
FORCES TOP CHORD BOT CHORD	No.2 Structural wood she except end verticals (3-8-12 max.): 5-6. Rigid ceiling directly bracing. 1 Row at midpt (size) 10=0-3-8, Max Horiz 16=80 (LC Max Uplift 10=-226 ( Max Grav 10=1460 (lb) - Maximum Com Tension 1-2=0/47, 2-3=-2876 5-6=-2183/387, 6-8= 8-9=-3237/496, 2-16 9-10=-1375/264 15-16=-155/424, 14 12-14=-217/2148, 11 10-11=-152/849	ept* 16-2,10-9:2x6 SF athing directly applie , and 2-0-0 oc purlins applied or 9-0-6 oc 8-12 16=0-3-8 C8) LC 5), 16=-312 (LC 4 (LC 1), 16=1616 (LC pression/Maximum 0/416, 3-5=-2351/356 -2398/373, )=-1537/349, -15=-375/2651, 1-12=-417/2995,	d, 6) s 7) 8) 9) 4) 1) LC	This truss ha chord live loa * This truss h on the bottor 3-06-00 tall h chord and ar All bearings Provide mec bearing plate 16 and 226 l This truss is International R802.10.2 a Graphical pu		for a 10. with any d for a liv is where ill fit betv e SPF N n (by oth tanding 3 dance w sections ndard At n does n	D psf bottom other live loa e load of 20.0. a rectangle veen the botto c.2. ers) of truss t 112 lb uplift at ith the 2018 c R502.11.1 a SI/TP1 1. bt depict the s	ds. Opsf om : joint nd				TE OF M	MISSOL
this design 2) Wind: ASC Vasd=91m II; Exp C; I cantilever	8-12=-909/259, 8-11 9-11=-266/2149 ed roof live loads have	172/285, 6-12=-21/ =0/236, 2-15=-276/2 been considered for (3-second gust) DL=6.0psf; h=25ft; C velope) exterior zon ; end vertical left and	2240, Cat. e;							1	K	NATHA FO. PE-2022	SER 042259

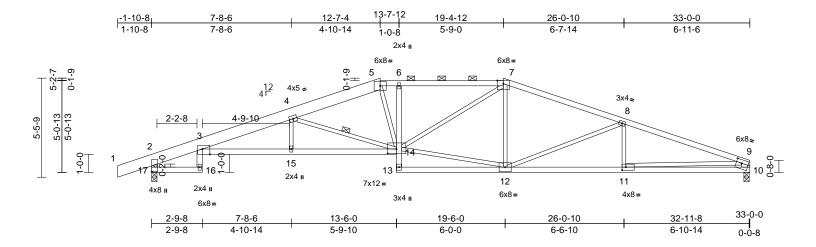
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent toulsable personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	C14	Нір	1	1	Job Reference (optional)	164360243

Run; 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:13 ID:kQ6MqnJ?yoAOsIvIFSeQWBz4SeJ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



#### Scale = 1:63.6

Plate Offsets (2	X, Y): [3:0-5-0,Edge],	[9:0-3-8,0-2-4], [11:	0-2-8,0-2-	0], [14:0-5-12,0	-3-0]							-	
_oading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
CLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.80	Vert(LL)	-0.39	14-15	>999	360	MT20	197/144
CDL	10.0	Lumber DOL	1.15		BC	0.83	Vert(CT)	-0.72	14-15	>544	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.83	Horz(CT)	0.41	10	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S		Wind(LL)	0.29	14-15	>999	240	Weight: 152 lb	FT = 10%
UMBER OP CHORD OT CHORD /EBS RACING OP CHORD OT CHORD /EBS EACTIONS	2x4 SPF No.2 *Exce 2.0E 2x4 SPF No.2 *Exce 1.8E 2x3 SPF No.2 *Exce 10-9:2x6 SPF No.2 Structural wood she except end verticals (2-5-7 max.): 5-7. Rigid ceiling directly bracing, Except: 8-8-0 oc bracing: 11 1 Row at midpt (size) 10=0-3-8.	ept* 3-14:2x4 SPF 21 ept* 17-2:2x4 SPF No athing directly applie , and 2-0-0 oc purlin: applied or 10-0-0 oc -12. 4-14	2) DF 100F 0.2, 3) 4) ed, 5) s	Wind: ASCE Vasd=91mp II; Exp C; Er cantilever ler right expose Provide ade This truss ha chord live lo. * This truss l on the botton 3-06-00 tall I chord and an All bearings Provide med bearing plate 17 and 238 l	7-16; Vult=115n n; TCDL=6.0psf; closed; MWFRS t and right exposed; Lumber DOL= quate drainage to sbeen designed an onconcurren nas been designed n chord in all are by 2-00-00 wide y other member la assumed to hanical connection to capable of with b uplift at joint 100	BCDL=6.( (envelopesed; end v. 1.60 plate p prevent v d for a 10.0 t with any ed for a liv ass where will fit betw s. be SPF No on (by oth standing 3 0.	cond gust) opsf; h=25ft; exterior zo vertical left ar grip DOL=1 water pondin 0 psf bottom other live loa e load of 20. a rectangle veen the bott 0.2. ers) of truss 22 lb uplift a	Cat. ine; ind .60 g. ads. Opsf com to					
	Max Horiz 17=77 (LC Max Uplift 10=-238 ( Max Grav 10=1464	LC 5), 17=-322 (LC		International R802.10.2 a	designed in acco Residential Cod nd referenced sta	le sections andard AN	R502.11.1 a ISI/TPI 1.						
ORCES	(lb) - Maximum Com Tension		, 9) ,		rlin representation ation of the purlin			size					
TOP CHORD	1-2=0/45, 2-3=-483/ 4-5=-3086/486, 5-6= 6-7=-3060/521, 7-8= 8-9=-3249/531, 2-17 9-10=-1381/272	3083/516, 2633/443,	L	DAD CASE(S)								TATE OF M	AISSO
BOT CHORD	9-10=-1381/272 16-17=-2/18, 3-16=0 14-15=-613/4154, 13 6-14=-327/148, 12-1 11-12=-457/3014, 10	3-14=0/106, 3=-16/190,	3,									S NATHA	NIEL / C Y
WEBS	4-15=-176/119, 4-14 5-14=-142/837, 12-1 7-14=-171/856, 7-12 8-12=-669/220, 8-11 9-11=-320/2267	l=-1373/275, 4=-266/2273, 2=-98/158,										PE-2022	BER 042259

#### NOTES

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



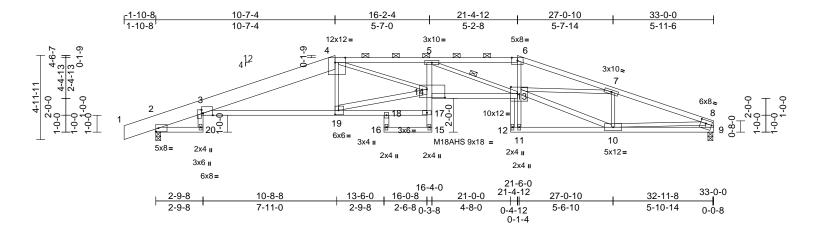
 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value to dury with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



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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	C15	Нір	1	1	Job Reference (optional)	164360244

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:13 ID:Ccgk17Kdj5IFTvUxp9Af3Oz4SeI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



#### Scale = 1:68.2

Plate Offsets ()	X, Y): [3:0-6-14,Edge	], [3:0-2-7,0-1-2], [4:	0-7-4,Edg	e], [8:0-3-12,0-	2-4], [13:0-4-12	,0-4-8], [14	:1-0-12,0-6-(	0], [19:0-2	2-8,0-3-0	)]			
<b>Loading</b> TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	<b>CSI</b> TC BC WB Matrix-S	0.69 0.79 1.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	-1.16 0.57	(loc) 13-14 13-14 9 13-14	l/defl >609 >337 n/a >820	L/d 360 240 n/a 240	<b>PLATES</b> MT20 M18AHS Weight: 165 lb	<b>GRIP</b> 197/144 142/136 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SPF 2100F 1.8E 2400F 2.0E 2x4 SPF No.2 *Exce 2100F 1.8E, 13-12:2 2x3 SPF No.2 *Exce No.2, 9-8:2x6 SPF N Structural wood she 2-10-4 oc purlins, e	ept* 3-17,14-13:2x4 5 xx3 SPF No.2 ept* 19-14,10-13:2x4 lo.2 athing directly applie	SP 2) SPF SPF SPF 3) ed or 4)	this design. Wind: ASCE Vasd=91mpl II; Exp C; En cantilever let right expose Provide adeu All plates are	roof live loads h 7-16; Vult=115 h; TCDL=6.0psf closed; MWFR3 t and right expc d; Lumber DOL quate drainage MT20 plates u ion Tolerance a	mph (3-sec ; BCDL=6.0 S (envelope sed ; end v =1.60 plate to prevent v nless other	cond gust) Opsf; h=25ft; e) exterior zc vertical left a grip DOL=1 water pondin wise indicate	Cat. one; nd .60 ig.					
BOT CHORD	2-0-0 oc purlins, (2-6 Rigid ceiling directly bracing, Except: 6-0-0 oc bracing: 15 8-4-8 oc bracing: 13	3-0 max.): 4-6. applied or 10-0-0 oc 3-16	6)	chord live loa * This truss l on the bottor	is been designe ad nonconcurre nas been desigr n chord in all ar by 2-00-00 wide	nt with any ned for a liv eas where	other live loa e load of 20. a rectangle	0psf					
	1 Row at midpt (size) 2=0-3-8, 9 Max Horiz 2=79 (LC Max Uplift 2=-333 (L Max Grav 2=1615 (L	12) .C 4), 9=-248 (LC 5)	8) 9) ) 1(	All bearings Provide med bearing plate 2 and 248 lb	ny other member are assumed to hanical connect capable of with uplift at joint 9. designed in acc	be SPF No tion (by oth Instanding 3	ers) of truss 33 lb uplift a						
FORCES	(lb) - Maximum Com Tension 1-2=0/12, 2-3=-686/ 4-5=-6260/985, 5-6= 6-7=-5221/838, 7-8=	122, 3-4=-3646/561, 5056/833,		International R802.10.2 a 1) Graphical pu	Residential Co nd referenced s rlin representat ation of the purli	de sections tandard AN ion does no	R502.11.1 a ISI/TPI 1. ot depict the					STE OF M	MISSO
BOT CHORD	15-16=-78/22, 15-17 5-14=0/321, 13-14=	8=-94/512, 16-18=0	/41, 51/0,	OAD CASE(S)	Standard							STATE OF A	NIEL
WEBS	4-19=-702/211, 14-1 5-13=-1659/325, 11 6-13=-124/1289, 7-1 8-10=-355/2314, 10 7-13=-258/1900, 4-1	9=-417/3120, -13=0/388, 10=-1102/275, -13=-511/3082,									A AN	PE-2022	1 A
NOTES												SIONA	LENCE

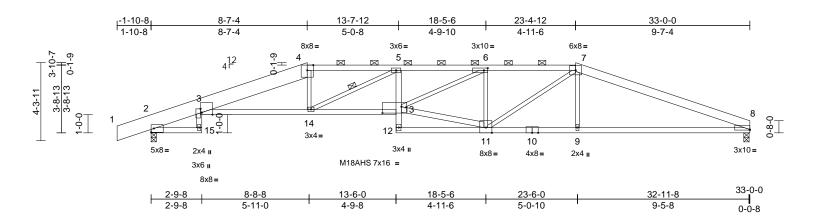
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RELEASE I OR ON FLANS REVIEW DEVELORMENT SERVICES LEE'S'SUMMENT SERVICES 07/11/2024 11:09:06

March 21,2024

Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	C16	Нір	1	1	Job Reference (optional)	164360245

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:13 ID:Ccgk17Kdj5IFTvUxp9Af3Oz4SeI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



#### Scale = 1:63.5

Plate Offsets (	(X, Y): [3:0-7-2,Edge],	, [3:0-2-7,0-0-14], [6:	:0-2-8,0-1-	8], [8:Edge,0-0	-6], [13:1-0-8,0-4	1-4]							
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	0.82 0.68 0.80	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.45 -0.80 0.35 0.35	(loc) 12 13-14 8 12	l/defl >880 >488 n/a >999	L/d 360 240 n/a 240	PLATES MT20 M18AHS Weight: 153 lb	<b>GRIP</b> 197/144 142/136 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD WEBS REACTIONS FORCES TOP CHORD	No.2, 7-8:2x6 SP 24 2x4 SPF No.2 *Exce 2100F 1.8E 2x3 SPF No.2 *Exce Structural wood she 4-9-15 oc purlins, ex 2-0-0 oc purlins (2-2 Rigid ceiling directly bracing. 1 Row at midpt (size) 2=0-3-8, 8 Max Horiz 2=66 (LC Max Uplift 2=-343 (L Max Grav 2=1618 (L (lb) - Maximum Com Tension 1-2=0/12, 2-3=-688/ 4-5=-3938/689, 5-6= 6-7=-3463/651, 7-8=	00F 2.0E ppt* 3-13,10-8:2x4 SPF I athing directly applie (copt 2-0 max.): 4-7. applied or 8-10-5 or 5-14 8=-0-3-8 8) .C 4), 8=-258 (LC 5) .C 1), 8=1468 (LC 1) .pression/Maximum 145, 3-4=-4032/664 -5005/872, -3214/538	PF 6) No.2 ed or 7) 8) c 9) 1( ) LL	<ul> <li>This truss ha chord live loa</li> <li>* This truss h on the bottor</li> <li>3-06-00 tall h chord and ar</li> <li>Bearings are SPF 2100F</li> <li>Provide mec</li> <li>bearing plate</li> <li>8 and 343 lb</li> <li>This truss is International R802.10.2 a</li> <li>Graphical put</li> </ul>	hanical connecti a capable of with uplift at joint 2. designed in acc Residential Cod nd referenced st rlin representati ation of the purlin t.	d for a 10.0 tt with any ed for a liv ed for a liv eas where will fit betw rs. Joint 2 SF on (by oth standing 2 ordance wi le sections andard AN on does no	D) psf bottom other live loa e load of 20. a rectangle veen the bott PF No.2, Joi ers) of truss 58 lb uplift a th the 2018 R502.11.1 a SI/TPI 1. th depict the 3	ads. Opsf om nt 8 to t joint					
this design 2) Wind: ASC Vasd=91n II; Exp C; cantilever	13-14=-795/5114, 12 11-12=-40/296, 9-11 8-9=-416/2938 4-14=-14/445, 5-14= 11-13=-486/3260, 6 6-11=-1096/272, 7-9 ed roof live loads have	2-13=0/105, 5-13=0/ 1=-419/2932, 1-13=-294/1706, 2=0/352, 7-11=-184/ been considered for (3-second gust) :DL=6.0psf; h=25ft; ( vvelope) exterior zor ; end vertical left an	808 r Cat. ne; d							r /			NIEL SER 042259

3) Provide adequate drainage to prevent water ponding.

March 21,2024

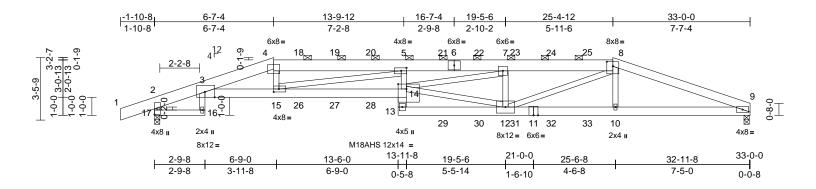
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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	C17	Hip Girder	1	2	Job Reference (optional)	164360246

Run; 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:14 ID:8?oUSpLtEjYzjDdKwaC78pz4SeG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



#### Scale = 1:63.8

Plate Offsets (	X, Y): [3:0-6-8,Edge],	[4:Edge,0-0-0], [5:0-	3-8,0-2-0	], [8:0-4-0,0-3-	0], [14:0-5-8,0-3-4	4], [15:0-3	-8,0-2-0]						
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.84	Vert(LL)	-0.52	14-15	>755	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.98	Vert(CT)	-0.95	14-15	>415	240	M18AHS	142/136
BCLL	0.0*	Rep Stress Incr	NO		WB	0.68	Horz(CT)	0.40	9	n/a	n/a		
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S		Wind(LL)	0.44	14	>897	240	Weight: 403 lb	FT = 10%
UMBER OP CHORD BOT CHORD VEBS BRACING OP CHORD BOT CHORD	5-4-1 oc purlins, ex 2-0-0 oc purlins (6-0	ppt* 17-16,16-3:2x4 S 400F 2.0E ppt* 12-14:2x4 SPF athing directly applie cept end verticals, ar	F SPF dor <sup>2)</sup> nd	(0.131"x3") Top chords staggered a oc, 2x4 - 1 r Bottom chor 0-9-0 oc, 2x Web connec All loads are except if not CASE(S) se provided to	b be connected to nails as follows: connected as follo t $0.9-0$ oc, $2x6 - 2$ ow at $0.9-0$ oc. ds connected as 6 - 2 rows stagge ted as follows: 2: considered equa ed as front (F) or ction. Ply to ply c distribute only loa	ows: 2x8 - 2 rows sta follows: 2 ered at 0-9 x4 - 1 row ally applie back (B) connection	2 rows ggered at 0- x4 - 1 row at -0 oc. at 0-9-0 oc. d to all plies, face in the L s have been	OAD	pro lb d at dov at dov up a 63 l at 79 l	vided su lown and 10-0-0, vn and 8 16-0-0, vn and 8 at 22-0- top chor b down 12-0-0, b down	afficient d 70 lb 136 lb 55 lb up 146 lb 55 lb up 0, and d, and at 8-0 79 lb d at 18-	up at 8-0-0, 13 down and 70 lb o at 14-0-0, 146 down and 85 lb o at 20-0-0, and 146 lb down an 500 lb down a 500 lb down a 0wn at 13-8-12, 0-0, 79 lb down	centrated load(s) 136 6 lb down and 70 lb up at 12-0-0, 146 lb lb down and 85 lb u up at 18-0-0, 146 lb 146 lb down and 85 d 85 lb up at 24-0-0 d 137 lb up at 24-0-0 d 137 lb up at 6-7-4, t 10-0-0, 63 lb down 79 lb down at 16-0 at 20-0-0, 79 lb dow
	bracing.		3)		wise indicated. roof live loads ha	ave been	oncidorod f	or					0-0, and 550 lb down m chord. The desig
REACTIONS	(size) 9=0-3-8, Max Horiz 17=41 (LC Max Uplift 9=-557 (L Max Grav 9=2760 (L	C 8) .C 5), 17=-641 (LC 4)	4)	this design. Wind: ASCE Vasd=91mp	: 7-16; Vult=115m h; TCDL=6.0psf; nclosed; MWFRS	nph (3-seo BCDL=6.0	cond gust) Opsf; h=25ft;	Cat.	sele res LOAD (	ection of ponsibili CASE(S	such of of of <b>)</b> Sta	connection devid thers. ndard	ce(s) is the
FORCES	(lb) - Maximum Com Tension	pression/Maximum		cantilever le	ft and right exposed; the function of the func	sèd ; end \	vertical left a	nd	PI	ate Incre	ease=1	1.15	mber Increase=1.15
TOP CHORD	1-2=0/45, 2-3=-926/. 4-5=-11093/2155, 5- 7-8=-9680/1966, 8-9 2-17=-2984/668	-7=-14313/2827,	0, 5) 6) 7)	Provide ade All plates ar This truss ha	quate drainage to e MT20 plates un as been designed ad nonconcurren	prevent less other for a 10.0	water pondin wise indicate psf bottom	ng. ed.			2=-70, -20, 3- ated Lo	2-3=-70, 3-4=-7 14=-20, 9-13=-2 pads (lb)	
BOT CHORD	16-17=-5/34, 3-16=0 14-15=-2751/14334, 12-13=-286/1306, 10 9-10=-1343/6920	, 13-14=0/210,	86, 8)	* This truss on the botto 3-06-00 tall	has been designed m chord in all are by 2-00-00 wide v ny other member	ed for a liv eas where will fit betv	e load of 20. a rectangle	.0psf			E	TATE OF	MISSOL
WEBS	12-14=-1597/8491, 7-12=-2522/705, 8-1 8-10=-32/771, 4-15= 5-15=-3482/774, 5-1	2=-636/3219, -125/1242,	9) 10	Bearings are SPF No.2 . )) Provide med	e assumed to be: chanical connections e capable of with	Joint 17 S	ers) of truss	to			B	S NATH	MILLER VY N
NOTES			11	9 and 641 lb 1) This truss is Internationa	designed in acco l Residential Cod nd referenced sta	ordance w e sections	ith the 2018 R502.11.1					PE-202	IBER 2042259

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

March 21,2024

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Continued on page 2 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 173 HM	
B240133	C17	Hip Girder	1	2	Job Reference (optional)	164360246

 $\begin{array}{l} \mbox{Vert: 14=-52 (B), 10=-550 (B), 15=-500 (B), 5=-123 \\ (B), 18=-113 (B), 19=-113 (B), 20=-113 (B), 21=-123 \\ (B), 22=-123 (B), 23=-123 (B), 24=-123 (B), 25=-123 \\ (B), 26=-63 (B), 27=-63 (B), 28=-63 (B), 29=-52 (B), 30=-52 (B), 31=-52 (B), 32=-52 (B), 33=-52 (B) \\ \end{array}$ 

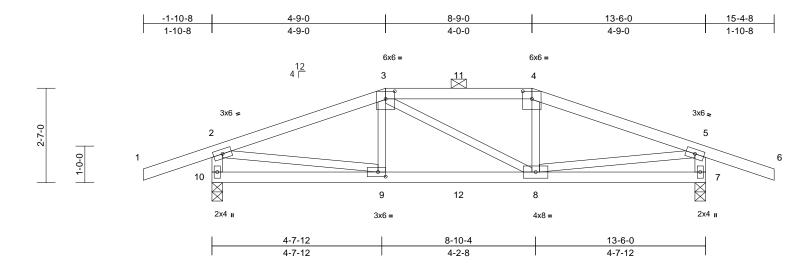
Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:14 ID:8?oUSpLtEjYzjDdKwaC78pz4SeG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 2

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



Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	D1	Hip Girder	1	1	Job Reference (optional)	164360247

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:14 ID:VybNWWP03FAFp\_WHj70Irtz4SeB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:31.5

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

	X, 1): [3:0 3 0;0 2 0];	[4.0 0 0,0 2 0], [0.0	2 0,0 1 0]										
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2018	8/TPI2014	CSI TC BC WB Matrix-S	0.45 0.47 0.44	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.05 -0.09 0.01 0.04	(loc) 8-9 8-9 7 8-9	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 51 lb	<b>GRIP</b> 197/144 FT = 10%
	2x3 SPF No.2 *Exce No.2 Structural wood shea 4-5-4 oc purlins, exa 2-0-0 oc purlins (4-5 Rigid ceiling directly bracing. (size) 7=0-3-8, 1 Max Horiz 10=-16 (L Max Uplift 7=-289 (L Max Grav 7=1063 (L (lb) - Maximum Com	athing directly applie cept end verticals, ar i-4 max.): 3-4. applied or 10-0-0 oc 10=0-3-8 C 19) C 5), 10=-289 (LC 4) .C 1), 10=1063 (LC 1	8) d or nd 9) : 10	Provide meci bearing plate 10 and 289 II This truss is International R802.10.2 ar Graphical pu or the orienta bottom choro Hanger(s) or provided suff down and 64 up at 6-9-0, top chord, ar 43 Ib down a 8-8-4 on bott	other connection icient to support Ib up at 4-9-0, a and 90 lb down a d 227 lb down ar t 6-9-0, and 227 om chord. The d	on (by oth standing 2 indance we a sections andard AN in does no along the a device(s concentra and 90 lb and 64 lb hand 650 lb u ilb down a design/sel	ers) of truss i 89 lb uplift at 189 lb uplift at 18502.11.1 a ISI/TPI 1. ot depict the s top and/or 1) shall be ated load(s) 9 down and 62 up at 8-9-0, a and 50 lb up i ection of suc	t joint and size 90 lb 1 lb 2n and at					
TOP CHORD BOT CHORD WEBS	Tension 1-2=0/45, 2-3=-1536 4-5=-1536/333, 5-6= 5-7=-1011/309 9-10=-42/133, 8-9=-: 3-9=0/220, 3-8=-61/4 2-9=-266/1290, 5-8=	=0/45, 2-10=-1011/30 264/1394, 7-8=-29/1 62, 4-8=0/220,	)9, LC	) In the LOAD of the truss a DAD CASE(S) Dead + Roo Plate Increa	of Live (balanced) ase=1.15	n, loads a (F) or ba	oplied to the t ck (B).						
<ul> <li>this design</li> <li>Wind: ASC</li> <li>Vasd=91m</li> <li>II; Exp C; I</li> <li>cantilever</li> <li>right exposision</li> <li>Provide ac</li> <li>This truss</li> <li>chord live</li> <li>* This truss</li> <li>on the bott</li> <li>3-06-00 ta</li> </ul>	ed roof live loads have	been considered for (3-second gust) DL=6.0psf; h=25ft; C vvelope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 event water ponding r a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle	cat. e; d 50 ds. psf	7-10=-20 Concentrate Vert: 4=-	=-70, 2-3=-70, 3-	,	,					PE-2022	BER ALL

March 21,2024

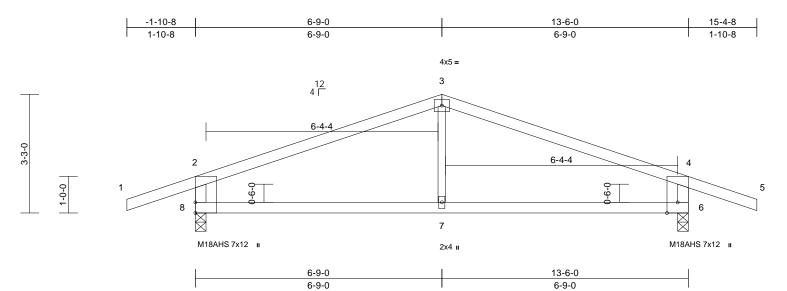




Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	D2	Common	2	1	Job Reference (optional)	164360248

Run: 8,73 S Feb 22 2024 Print: 8,730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:14 ID:gXihhf7bUBHWZRFstotvP0z4SeY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:31.5

Scale = 1:31.5												
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-R	0.81 0.42 0.08	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.09 -0.17 0.01 0.04	(loc) 7 7 6 7-8	l/defl >999 >932 n/a >999	L/d 360 240 n/a 240	<b>PLATES</b> MT20 M18AHS Weight: 40 lb	<b>GRIP</b> 197/144 142/136 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SPF No.2 2x4 SPF No.2 2x4 SPF 2100F 1.8E No.2 Structural wood she 5-1-14 oc purlins, e	athing directly applie	Internationa R802.10.2 a PF LOAD CASE(S)	designed in accor I Residential Code Ind referenced star Standard	sections	R502.11.1 a	and				~	
BOT CHORD	Rigid ceiling directly		:									
	bracing. (size) 6=0-3-8, 8 Max Horiz 8=25 (LC Max Uplift 6=-176 (L Max Grav 6=736 (LC	8) C 5), 8=-176 (LC 4)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD BOT CHORD WEBS	1-2=0/45, 2-3=-757/ 4-5=0/45, 2-8=-644/	214, 4-6=-644/214										
NOTES												
<ul> <li>this design</li> <li>Wind: ASC</li> <li>Vasd=91mn</li> <li>II; Exp C; E</li> <li>cantilever I</li> <li>right exposision</li> <li>All plates a</li> <li>This trussion</li> <li>chord live I</li> <li>3-06-00 tal</li> <li>chord and</li> <li>All bearing</li> <li>Provide me</li> <li>bearing plate</li> </ul>	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 are MT20 plates unless has been designed fo load nonconcurrent wi s has been designed fo tom chord in all areas Il by 2-00-00 wide will any other members. Is are assumed to be S echanical connection ( ate capable of withstar Ib uplift at joint 6.	(3-second gust) DL=6.0psf; h=25f; C welope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 s otherwise indicated r a 10.0 psf bottom th any other live load or a live load of 20.0) where a rectangle fit between the botto SPF No.2. by others) of truss to	Cat. e; d i0 i. is. psf m								FO.	X HER 042259



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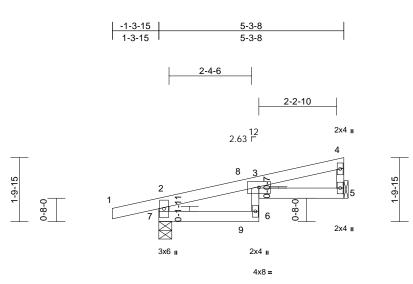
March 21,2024

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

Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J1	Diagonal Hip Girder	2	1	Job Reference (optional)	164360249

Run; 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:14 ID:cEuy8DQogFHfalv3w9V90gznZlo-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale - 1.33

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	тс	0.56	Vert(LL)	-0.06	6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.11	6	>556	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.06	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.06	6	>999	240	Weight: 15 lb	FT = 10%

L	υ	IV		
-	~		-	 

284 366 1	NU.2
2x4 SPF I	No.2 *Except* 6-3:2x3 SPF No.2
2x4 SPF I	No.2 *Except* 4-5:2x3 SPF No.2
Structural	wood sheathing directly applied or
5-3-8 oc p	ourlins, except end verticals.
Rigid ceili	ing directly applied or 10-0-0 oc
bracing.	
(size)	5= Mechanical, 7=0-4-7
Max Horiz	7=58 (LC 5)
	2x4 SPF I 2x4 SPF I Structural 5-3-8 oc p Rigid ceili bracing. (size)

Max Uplift 5=-42 (LC 8), 7=-108 (LC 4) Max Grav 5=212 (LC 1), 7=344 (LC 1) FORCES (Ib) - Maximum Compression/Maximum Tension TOP CHORD 2-7=-335/126, 1-2=0/22, 2-3=-86/0,

#### 3-4=-79/13, 4-5=-145/45 BOT CHORD 6-7=-2/20, 3-6=0/67, 3-5=-13/72

NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to 6) bearing plate capable of withstanding 108 lb uplift at joint 7 and 42 lb uplift at joint 5.
- This truss is designed in accordance with the 2018 7) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

- provided sufficient to support concentrated load(s) 69 lb down and 25 lb up at 2-4-3, and 79 lb down and 30 lb up at 3-0-6 on top chord, and 4 lb down and 4 lb up at 2-4-3 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face 9) of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

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

  - Vert: 1-2=-70, 2-3=-70, 3-4=-70, 6-7=-20, 3-5=-20 Concentrated Loads (lb)

Vert: 3=-3 (B), 9=4 (F)



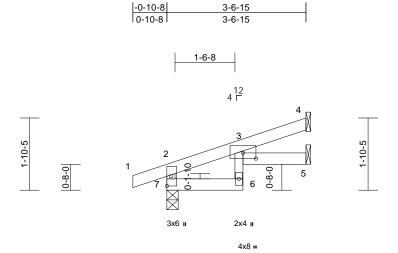
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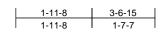


Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J2	Jack-Open	3	1	Job Reference (optional)	164360250

Run: 8,73 S Feb 22 2024 Print: 8,730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:14 ID:B12G5K8xP?2YUcNuHb6XGXznZnR-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





3-6-15

Scale = 1:29.6

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

Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)		Plate Grip DOL	1.15	тс	0.21	Vert(LL)	-0.01	6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.02	6	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	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 trues is	designed in accord	dance w	ith the 2018						
TOP CHOR	D 2x4 SPF No.2			Residential Code			and					
BOT CHOR		ept* 6-3·2x3 SPF No		and referenced stan								
WEBS	2x3 SPF No.2		LOAD CASE(S	Standard								
BRACING			(-									
TOP CHOR	D Structural wood she	athing directly applie	ed or									
	3-6-15 oc purlins, e											
BOT CHOR	D Rigid ceiling directly	applied or 6-0-0 oc										
	bracing.											
REACTION	( )	anical, 5= Mechanica	al,									
	7=0-3-8											
	Max Horiz 7=57 (LC	,										
	Max Uplift 4=-33 (LC (LC 4)	5 8), 5=-6 (LC 8), 7=-	-62									
	Max Grav 4=87 (LC	1) 5-57 (I C 1) 7-3	232									
	(LC 1)	(LO 1), 1–2	102									
FORCES	(lb) - Maximum Corr	npression/Maximum										
	Tension											
TOP CHOR		, ,	16/24									
BOT CHOR	D 6-7=-5/10, 3-6=-2/44	4, 3-5=-10/5										
NOTES												
	SCE 7-16; Vult=115mph		-									
	1mph; TCDL=6.0psf; BC										000	alle
	C; Enclosed; MWFRS (er er left and right exposed										TATE OF	MICON
	posed; Lumber DOL=1.6										8 TE	-0.0 M
	ss has been designed fo		50							A	N	New
	ve load nonconcurrent w		ds.							U	S/ NATH	ANIEL YON Y
	uss has been designed f									4	FC	X
	pottom chord in all areas									Ø/		$\mathcal{O}^{\mathbf{x}}$
	tall by 2-00-00 wide will	fit between the botto	m							W	att	NI TON
	nd any other members.									20	WUNAN	De UVER
	ings are assumed to be a o girder(s) for truss to tru									NZ	O PE-2022	2042259
	mechanical connection		0							N	The second	12A
	plate capable of withsta									Y	NºSer-	NO A
	uplift at joint 4 and 6 lb u										SIONA	LEFA
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March 21,2024

Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J3	Jack-Open	2	1	Job Reference (optional)	164360251

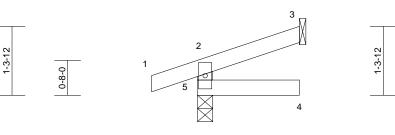
Run: 8,73 S Feb 22 2024 Print: 8,730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:15 ID:UeVK8XR?IN49MICVheY9EbznZn3-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





1-11-5



3x6 II

Scale = 1:21.9

Scale = 1:21.9												
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	<b>CSI</b> TC BC WB Matrix-R	0.11 0.11 0.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.02 -0.04 0.01 0.00	(loc) 4 4 3 4	l/defl >999 >547 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 6 lb	<b>GRIP</b> 197/144 FT = 10%
	10.0	0000				WING(EE)	0.00		2000	240	Weight. 0 lb	11 - 10/0
LUMBER TOP CHORD	2x4 SPF No.2											
BOT CHORD WEBS	2x4 SPF No.2 2x4 SPF No.2											
BRACING												
TOP CHORD	Structural wood she 1-11-5 oc purlins, e											
BOT CHORD	Rigid ceiling directly											
REACTIONS	bracing. (size) 3= Mecha	anical, 5=0-3-8										
	Max Horiz 5=36 (LC	4)										
	Max Uplift 3=-19 (LC Max Grav 3=60 (LC											
FORCES	(lb) - Maximum Corr	<i>,,, , , ,</i>										
TOP CHORD	Tension 2-5=-136/81, 1-2=0/	122 2 2 19/15										
BOT CHORD		23, 2-3=-16/15										
NOTES												
Vasd=91n II; Exp C;	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er	DL=6.0psf; h=25ft; nvelope) exterior zo	ne;									
	<ul> <li>left and right exposed osed; Lumber DOL=1.6</li> </ul>											
2) This truss	has been designed fo	r a 10.0 psf bottom										an
	load nonconcurrent was has been designed f										TE OF	MISC
	ttom chord in all areas									4	TATE	1000
	all by 2-00-00 wide will any other members.	In between the bott	om							A	S/ NAIL	
	gs are assumed to be								•	NA.	FC	X
	jirder(s) for truss to tru		to								H.	
bearing pl	late capable of withsta									MU	Mass	AR JOON
	lb uplift at joint 3.	ance with the 2018								N.	O PE-2022	2042259
Internation	nal Residential Code s 2 and referenced stand	ections R502.11.1 a	and							Ŷ	The second	158
LOAD CASE(										12	S'SION!	LEN
,											un	00
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March 21,2024

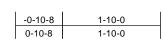
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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J4	Jack-Open	2	1	Job Reference (optional)	164360252

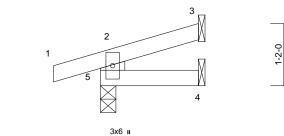
1-2-0

0-7-9

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:15 ID:nGyPAkj26l5IF\_265hzoCeznZmh-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1







1-10-0

Scale =	: 1:21.6	

Scale = 1:21.6												
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-R	0.08 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 3 4-5	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 6 lb	<b>GRIP</b> 197/144 FT = 10%
I	5=0-3-8 Max Horiz 5=30 (LC Max Uplift 3=-20 (LC Max Grav 3=37 (LC	xcept end verticals. applied or 10-0-0 or inical, 4= Mechanica 4) 5 8), 5=-67 (LC 4)	c Il,	Standard								
<ul> <li>Vasd=91m II; Exp C; E cantilever I right expos</li> <li>2) This truss f chord live I</li> <li>3) * This truss on the bottu 3:06-00 tal chord and 4</li> <li>4) All bearings</li> <li>5) Refer to gir</li> <li>6) Provide me bearing pla 5 and 20 lb</li> <li>7) This truss i International</li> </ul>	(LC 1) (Ib) - Maximum Com Tension 2-5=-152/76, 1-2=0/: 4-5=0/0 E 7-16; Vult=115mph ph; TCDL=6.0psf; BC Enclosed; MWFRS (er eft and right exposed ed; Lumber DOL=1.6 has been designed for oad nonconcurrent wi s has been designed for oad nonconcurrent with s has been designed for oad nonconcurrent with s has been designed for ob concord with a start to concord with the start o uplift at joint 3. s designed in accorda al Residential Code start and referenced stand	(3-second gust) DL=6.0psf; h=25ft; ( hvelope) exterior zor ; end vertical left and 0 plate grip DOL=1.6 r a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle fit between the botto SPF No.2 . ss connections. (by others) of truss to dding 67 lb uplift at jo ance with the 2018 ections R502.11.1 at	ne; d 50 ds. Jpsf om o								PE-2022	NIEL X BER 042259

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

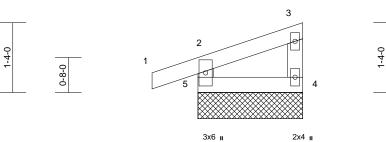
RELEASE ORCONSTRUCTION AS NOTED ON PLANS REVIEW DEVELORMENTS SERVICES LEE'S SUMMIT'S MISSOURI 07/11/2024 11:09:06

Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J5	Jack-Closed Supported Gable	1	1	Job Reference (optional)	164360253

Run; 8.73 S Feb 22 2024 Print; 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:15 ID:cwqR5L9r0oXEoIPF?DwNURz4SeW-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

-0-10-8 2-0-0 0-10-8 2-0-0





2-0-0

Scale = 1:22

Scale = 1:22											
Loading (psf) TCLL (roof) 25.0	Spacing Plate Grip DOL	2-0-0 1.15	CSI TC	0.07	<b>DEFL</b> Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	<b>GRIP</b> 197/144
TCDL 10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 7 lb	FT = 10%
LUMBER TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2 BRACING	athing directly applie cept end verticals. applied or 10-0-0 oc 5=2-0-0 7) 5 5), 5=-65 (LC 4) 1), 5=170 (LC 1) spression/Maximum 23, 2-3=-35/6, 3-4=-4 (3-second gust)	9) Provide bearing 5 and 1 10) This trus Internati ed or LOAD CASI c	Matrix-R mechanical connecti plate capable of with t buplift at joint 4. is is designed in acco onal Residential Cod. 2. and referenced st <b>E(S)</b> Standard	standing 6 ordance w le sections	5 lb́ uplift at j ith the 2018 s R502.11.1 a	oint				Weight: 7 lb	FT = 10%
<ol> <li>II; Exp C; Enclosed; MWFRS (enclosed; TuWFRS (enclosed; Lumber DOL=1.6)</li> <li>Truss designed for wind loads i only. For studs exposed to wind see Standard Industry Gable Enclosed; Sable requires continuous botto (4) Truss to be fully sheathed from braced against lateral movements) Gable studs spaced at 2-0-0 oc.</li> <li>This truss has been designed for chord live load nonconcurrent with truss has been designed for on the bottom chord in all areas 3-06-00 tall by 2-00-00 wide will chord and any other members.</li> <li>All bearings are assumed to be</li> </ol>	nvelope) exterior zon ; end vertical left and 0 plate grip DDL=1.6 n the plane of the tru (normal to the face) d Details as applicat gner as per ANSI/TP m chord bearing, one face or securely t (i.e. diagonal web). 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	ne; d 60 iss ), ole, ole, ole, ole, ole, sf								PE-2022	BER DAL

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



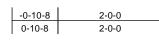
March 21,2024

Page: 1

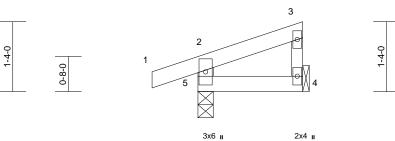
Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J6	Jack-Closed	5	1	Job Reference (optional)	164360254

Run; 8.73 S Feb 22 2024 Print; 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:15 ID:cwqR5L9r0oXEoIPF?DwNURz4SeW-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1







2x4 🛛

2-0-0

Scale = 1:22

Scale = 1:22					_							
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	0.07	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	4-5	>999	240	-	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R	-	Wind(LL)	0.00	4-5	>999	240	Weight: 7 lb	FT = 10%
LUMBER												
TOP CHORD	2x4 SPF No.2											
	2x4 SPF No.2											
	2x4 SPF No.2 *Exce	ept* 3-4:2x3 SPF No	.2									
BRACING												
TOP CHORD	Structural wood she		ed or									
			<b>^</b>									
BOT CHORD		applied of 10-0-0 0										
REACTIONS (	•	anical. 5=0-3-8										
(	Max Horiz 5=49 (LC	,										
M	Max Uplift 4=-14 (LC	5), 5=-65 (LC 4)										
1	Max Grav 4=58 (LC	1), 5=171 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
		23, 2-3=-35/7, 3-4=-	43/21									
	4-5=-15/10											
	E 7-16: \/ult-115mph	(3-second quet)										
			Cat									
	nclosed; MWFRS (er											
	eft and right exposed											
			60									
												an
											OF	MIG
			)psi							9	BAE	USS W
			om							G	N	New
	any other members.									H	S/ NATH	ANIEL /C V
	s are assumed to be \$								-	M.	FC	X 1
										<b>N</b>	1th	1 130
,										VIA	The second	1 Han
		iung os la uplitt at j	om							W.b	vanu	BER
BOT CHORD REACTIONS ( M FORCES TOP CHORD BOT CHORD BOT CHORD NOTES 1) Wind: ASCE Vasd=91mp II; Exp C; Ei cantilever le right expose 2) This truss h chord live Lo 3-06-00 tall chord and a 4) All bearings 5) Refer to gr	2-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 4= Mecha Max Horiz 5=49 (LC Max Uplift 4=-14 (LC Max Grav 4=58 (LC (lb) - Maximum Com Tension 2-5=-151/76, 1-2=0/. 4-5=-15/10 E 7-16; Vult=115mph ph; TCDL=6.0psf; BC inclosed; MWFRS (er eft and right exposed de; Lumber DOL=1.6 has been designed for oad nonconcurrent wis is has been designed for om chord in all areas by 2-00-00 wide will any other members.	cept end verticals. applied or 10-0-0 o unical, 5=0-3-8 5) 5), 5=-65 (LC 4) 1), 5=171 (LC 1) upression/Maximum 23, 2-3=-35/7, 3-4=- (3-second gust) DL=6.0psf; h=25ft; velope) exterior zor ; end vertical left an 0 plate grip DOL=1. r a 10.0 psf bottom th any other live loa or a live load of 20.0 where a rectangle fit between the botto SPF No.2. ss connections. (by others) of truss t	c 43/21 Cat. ne; d 60 ds. Dpsf Dm						-		STATE OF STATE OF NATH FC	A

6 bearing plate capable of withstanding 65 lb uplift at joint 5 and 14 lb uplift at joint 4. 7)

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

LOAD CASE(S) Standard



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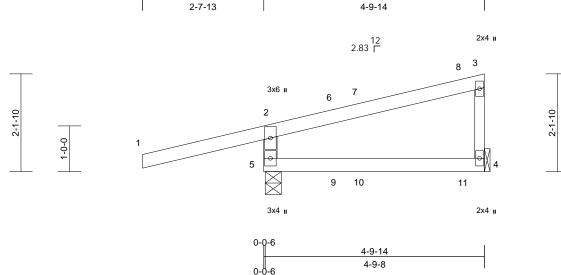
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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J7	Diagonal Hip Girder	1	1	Job Reference (optional)	164360255

# Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:15 ID:1VWakMBjljvpfD8qgMT464z4SeT-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f -2-7-13 4-9-14



Scale = 1:25.2

Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.02	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	-0.02	4-5	>999	240	Weight: 16 lb	FT = 10%

#### TOP CHORD 2x4 SPF No.2

BOT CHORD 2x4 SPF No.2

2x4 SPF No.2 \*Except\* 3-4:2x3 SPF No.2 WEBS BRACING TOP CHORD Structural wood sheathing directly applied or 4-9-14 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. **REACTIONS** (size) 4= Mechanical, 5=0-4-3 Max Horiz 5=88 (LC 5) Max Uplift 4=-46 (LC 5), 5=-196 (LC 4)

Max Grav 4=156 (LC 15), 5=410 (LC 1) FORCES (Ib) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-373/204, 1-2=0/45, 2-3=-90/34,

#### 3-4=-110/63 BOT CHORD 4-5=-28/61

NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2
- Refer to girder(s) for truss to truss connections. 5)
- Provide mechanical connection (by others) of truss to 6) bearing plate capable of withstanding 196 lb uplift at joint 5 and 46 lb uplift at joint 4.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

provided sufficient to support concentrated load(s) 106 Ib down and 198 lb up at 1-6-5, and 70 lb down and 39 Ib up at 2-1-0, and 58 lb down and 39 lb up at 4-4-4 on top chord, and 0 lb down and 57 lb up at 1-6-5, and 5 lb down at 2-1-0, and 17 lb down and 2 lb up at 4-4-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

# LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, 1) Plate Increase=1.15
  - Uniform Loads (lb/ft)
    - Vert: 1-2=-70, 2-3=-70, 4-5=-20
  - Concentrated Loads (lb)
  - Vert: 6=45 (B), 8=-1 (B), 9=30 (B), 10=-1 (F), 11=2 (B)

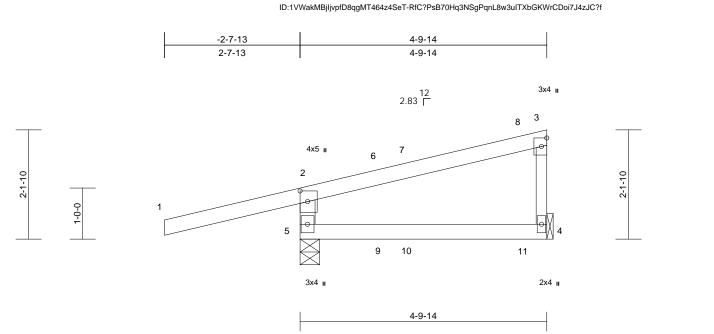


Page: 1

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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J8	Diagonal Hip Girder	1	1	Job Reference (optional)	164360256



Run; 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:15

Scale = 1:22.5 Plate Offsets (X, Y): [2:0-2-8 0-1-12]

	(X, Y): [2:0-2-8,0-1-12]	] 			1								
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d		GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.63	Vert(LL)	0.02	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.17	Vert(CT)	-0.02	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	NO		WB	0.00	Horz(CT)	0.00	4	n/a	n/a		<b>FT</b> 400/
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-R		Wind(LL)	-0.02	4-5	>999	240	Weight: 16 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SPF No.2 2x4 SPF No.2 *Exce Structural wood shea 4-9-14 oc purlins, ex	athing directly applie xcept end verticals.		provided suf lb down and lb up at 2-1- top chord, ar lb down and up at 4-4-4 such connec In the LOAD	other connection ficient to support 198 lb up at 1-6 0, and 58 lb down d 0 lb down and 21 lb up at 2-1-1 on bottom chord. tion device(s) is CASE(S) section	concentra -5, and 75 n and 39 l 57 lb up a 0, and 17 l The desi the respor n, loads ap	ted load(s) 1 lb down and b up at 4-4- at 1-6-5, and b down and gn/selection nsibility of oth oplied to the	d 140 4 on 1 15 2 lb of ners.					
REACTIONS	0	5), 5=-180 (LC 4) C 15), 5=389 (LC 1)	L( 1)	DAD CASE(S) Dead + Rod Plate Increa Uniform Lo Vert: 1-2	of Live (balanced ase=1.15 ads (lb/ft) =-70, 2-3=-70, 4-	I): Lumber	. ,	15,					
TOP CHORD	3-4=-106/59	/45, 2-3=-88/82,			ed Loads (lb) I5 (F), 7=35 (B),	8=-1 (F), §	9=30 (F), 11=	=2 (F)					
BOT CHORD	4-5=-55/63												
Vasd=91r II; Exp C; cantilever right expo 2) This truss chord live 3) * This trus	CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed used; Lumber DOL=1.60 has been designed for load nonconcurrent wi ss has been designed for ttom chord in all areas v	DL=6.0psf; h=25ft; ( ivelope) exterior zor ; end vertical left an 0 plate grip DOL=1.0 a 10.0 psf bottom th any other live loa or a live load of 20.0	ne; d 50 ds.								A	STATE OF I	MISSOLA

- 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 180 lb uplift at joint 5 and 41 lb uplift at joint 4.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J9	Jack-Open	2	1	Job Reference (optional)	164360257

-1-10-8

Wheeler Lumber, Waverly, KS - 66871,

BCDL

10.0

Code

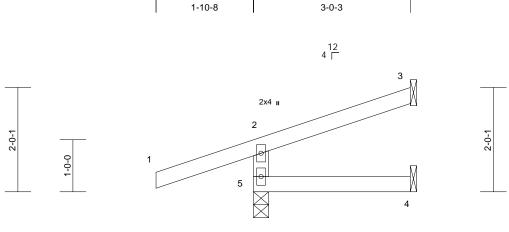
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3-0-3



J4zJC?f

FT = 10%



						3-0-3						
Scale = 1:22.2												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	-0.01	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		

Wind(LL)

0.00

4-5 >999 240 Weight: 10 lb

Matrix-R

LUMBER			LOAD CASE(S)	Standard
TOP CHORD				
BOT CHORD WEBS	2x4 SPF 2x4 SPF			
	284 365	INO.2		
BRACING TOP CHORD	Structure	I wood sheathing directly applied or		
		purlins, except end verticals.		
BOT CHORD		ling directly applied or 10-0-0 oc		
	bracing.	3		
REACTIONS	(size)	3= Mechanical, 4= Mechanical,		
		5=0-3-8		
		5=62 (LC 4)		
		3=-36 (LC 8), 5=-120 (LC 4)		
	Max Grav	3=60 (LC 1), 4=48 (LC 3), 5=319 (LC 1)		
FORCES	(lb) - Max	kimum Compression/Maximum		
	Tension			
TOP CHORD	2-5=-278	/139, 1-2=0/45, 2-3=-43/13		
BOT CHORD	4-5=0/0			
NOTES				
		ult=115mph (3-second gust)		
		=6.0psf; BCDL=6.0psf; h=25ft; Cat.		
		MWFRS (envelope) exterior zone; ht exposed ; end vertical left and		
		er DOL=1.60 plate grip DOL=1.60		
		designed for a 10.0 psf bottom		
		ncurrent with any other live loads.		
		designed for a live load of 20.0psf		
		n all areas where a rectangle		
	all by 2-00-0 I any other i	00 wide will fit between the bottom		
		med to be SPF No.2 .		
		truss to truss connections.		
6) Provide m	echanical o	connection (by others) of truss to		
		e of withstanding 120 lb uplift at joint		
	b uplift at jo			
		d in accordance with the 2018		
7) This truss	ool Dooidon			
<ol> <li>This truss Internation</li> </ol>		tial Code sections R502.11.1 and need standard ANSI/TPI 1.		

IRC2018/TPI2014

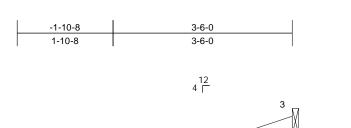


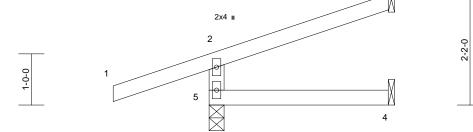
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

RELEASE ICRONSTRUCTION AS NOTED ON FLANS REVIEW DEVELORMING SERVICES LEE'S'SUMMIT'S MISSOURI 07/11/2024 11:09:06

Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J10	Jack-Open	15	1	Job Reference (optional)	164360258

# Run; 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:15 ID:gXihhf7bUBHWZRFstotvP0z4SeY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





2x4 🛛

						3-6-0							
Scale = 1:22.5													
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	25.0	Plate Grip DOL	1.15	тс	0.28	Vert(LL)	-0.01	4-5	>999	360	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.01	4-5	>999	240			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a			

Wind(LL)

0.00

4-5 >999 240 Weight: 11 lb

FT = 10%

Matrix-R

LOAD CASE(S) Standard

LUMBER TOP CHORD BOT CHORD WEBS		No.2
BRACING		
TOP CHORD	Structura	wood sheathing directly applied or
	3-6-0 oc p	ourlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	3= Mechanical, 4= Mechanical,
		5=0-3-8
	Max Horiz	5=69 (LC 4)
	Max Uplift	3=-45 (LC 8), 5=-119 (LC 4)
	Max Grav	3=80 (LC 1), 4=58 (LC 3), 5=333
		(LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	

10.0

Code

IRC2018/TPI2014

2-2-0

# TOP CHORD 2-5=-291/143, 1-2=0/45, 2-3=-48/18 4-5=0/0

BOT CHORD

NOTES

BCDL

- Wind: ASCE 7-16; Vult=115mph (3-second gust) 1) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. \* This truss has been designed for a live load of 20.0psf
- 3) on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SPF No.2 4)
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to 6) bearing plate capable of withstanding 119 lb uplift at joint 5 and 45 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 7) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



Page: 1

 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
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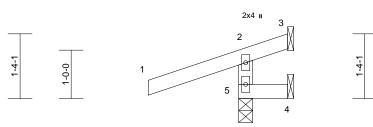


Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J11	Jack-Open	2	1	Job Reference (optional)	164360259

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:15 ID:gXihhf7bUBHWZRFstotvP0z4SeY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







1-0-3

2x4 II

Scale = 1:23.9

Ocale = 1.25.5												
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	0.00	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%
LUMBER			7) This truss i	s designed in ac	cordance w	ith the 2018						
TOP CHORD	2x4 SPF No.2			al Residential Co			and					
BOT CHORD	2x4 SPF No.2			and referenced			ana					
WEBS	2x4 SPF No.2		LOAD CASE(S	3) Standard								
BRACING			(	,								
TOP CHORD	Structural wood s	heathing directly appli	ed or									
		except end verticals.										
BOT CHORD	Rigid ceiling direct	tly applied or 10-0-0 c	C									
	bracing.											
REACTIONS	(size) 3= Med	hanical, 4= Mechanic	al,									
	5=0-3-	3										
	Max Horiz 5=39 (I	_C 5)										
	Max Uplift 3=-99 (	LC 1), 4=-29 (LC 1), 5	i=-169									
	(LC 4)											
		_C 4), 4=13 (LC 4), 5=	:347									
	(LC 1)											
FOROFO	(lh) Maximaxing C											

## FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-300/167, 1-2=0/45, 2-3=-50/18

BOT CHORD 4-5=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
   This terms has been desired for 400 or fr been desired.
- 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 169 lb uplift at joint 5, 29 lb uplift at joint 4 and 99 lb uplift at joint 3.



Page: 1

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



Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J12	Jack-Open	1	1	Job Reference (optional)	164360260

-0-10-8

0-10-8

Wheeler Lumber, Waverly, KS - 66871,

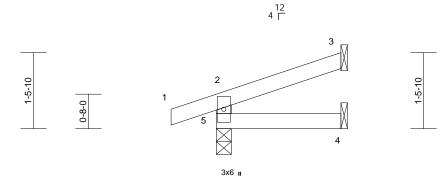
Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:16 ID:gXihhf7bUBHWZRFstotvP0z4SeY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



2-4-15

2-4-15

Page: 1



Scale = 1:22.3

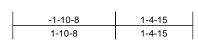
Spacing       2-0-0         Plate Grip DOL       1.15         Lumber DOL       1.15         Rep Stress Incr       YES         Code       IRC2018/TPI2014         LOAD CASE(S)         thing directly applied or zept end verticals.         upplied or 10-0-0 oc       Locon to the base of the bas	CSI TC 0.07 BC 0.04 WB 0.00 Matrix-R Standard	DEFL         in           Vert(LL)         0.00           Vert(CT)         0.00           Horz(CT)         0.00           Wind(LL)         0.00	(loc) l/defl 4-5 >999 4-5 >999 3 n/a 4-5 >999	L/d <b>PLATES</b> 360 MT20 240 n/a 240 Weight: 7 lb	<b>GRIP</b> 197/144 FT = 10%
Rep Stress Incr       YES         Code       IRC2018/TPI2014         LOAD CASE(S)         thing directly applied or sept end verticals.         spplied or 10-0-0 oc	WB 0.00 Matrix-R	Horz(CT) 0.00	3 n/a	n/a	FT = 10%
LOAD CASE(S) thing directly applied or cept end verticals. applied or 10-0-0 oc			4-0 >999	240 Weight, 7 ib	FT = 10%
thing directly applied or cept end verticals. pplied or 10-0-0 oc	Standard				
cept end verticals. Ipplied or 10-0-0 oc					
ical, 4= Mechanical, ) 3), 5=-60 (LC 4) ), 4=40 (LC 3), 5=187					
ression/Maximum					
3, 2-3=-31/15					
3-second gust) L=6.0psf; h=25ft; Cat. relope) exterior zone; end vertical left and plate grip DOL=1.60 a 10.0 psf bottom a any other live loads. r a live load of 20.0psf here a rectangle to between the bottom PF No.2. s connections. y others) of truss to ling 60 lb uplift at joint nce with the 2018 stions R502.11.1 and rel ANSI/TEP11				NATH FC	DX DX LER 2042259 L L L L L L L L L L L L L
3- Leepla a het b Jir	second gust) = $6.0psf$ ; $h=25ft$ ; Cat. lope) exterior zone; nd vertical left and late grip DOL= $1.60$ 10.0 psf bottom any other live loads. a live load of 20.0psf ere a rectangle between the bottom = No.2. connections. others) of truss to ng 60 lb uplift at joint e with the 2018	second gust) =6.0psf; h=25ft; Cat. ope) exterior zone; do vertical left and late grip DOL=1.60 10.0 psf bottom any other live loads. a live load of 20.0psf ere a rectangle between the bottom = No.2 . connections. others) of truss to ng 60 lb uplift at joint e with the 2018 ons R502.11.1 and	second gust) =6.0psf; h=25ft; Cat. lope) exterior zone; do vertical left and late grip DOL=1.60 10.0 psf bottom any other live loads. a live load of 20.0psf ere a rectangle between the bottom = No.2 . connections. others) of truss to ng 60 lb uplift at joint e with the 2018 ons R502.11.1 and	second gust) =6.0psf; h=25ft; Cat. ope) exterior zone; do vertical left and late grip DOL=1.60 10.0 psf bottom any other live loads. a live load of 20.0psf ere a rectangle between the bottom = No.2 . connections. others) of truss to ig 60 lb uplift at joint e with the 2018 ons R502.11.1 and	second gust) =6.0psf; h=25ft; Cat. lope) exterior zone; do vertical left and late grip DOL=1.60 10.0 psf bottom any other live loads. a live load of 20.0psf are a rectangle between the bottom F No.2. connections. others) of truss to ng 60 lb uplift at joint e with the 2018 ons R502 11 1 and

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



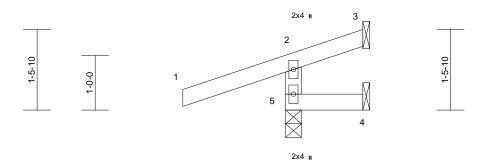
Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J13	Jack-Open	1	1	Job Reference (optional)	164360261

# Run; 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:16 ID:gXihhf7bUBHWZRFstotvP0z4SeY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-4-15



<u> </u>		
Scale	=	1:21

Scale = 1:21				_								
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 6 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS	7) This truss is designed in accordance with the 20182x4 SPF No.2International Residential Code sections R502.11.1 and2x4 SPF No.2R802.10.2 and referenced standard ANSI/TPI 1.2x4 SPF No.2LOAD CASE(S) Standard											
BRACING TOP CHORD		eathing directly applie except end verticals.	ed or									
BOT CHORD	Rigid ceiling directly bracing.	/ applied or 10-0-0 o	C									
REACTIONS	(size) 3= Mecha 5=0-3-8	anical, 4= Mechanica	al,									
	Max Horiz 5=43 (LC	5)										
	Max Uplift 3=-41 (LC (LC 4)	C 1), 4=-17 (LC 1), 5	=-144									
	Max Grav 3=24 (LC	4), 4=15 (LC 3), 5=	312									

#### (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-270/145, 1-2=0/45, 2-3=-41/7

BOT CHORD 4-5=0/0

NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SPF No.2 . 4)
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to
- bearing plate capable of withstanding 144 lb uplift at joint 5, 17 lb uplift at joint 4 and 41 lb uplift at joint 3.



Page: 1

March 21,2024

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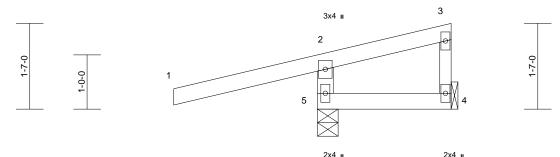


Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J14	Diagonal Hip Girder	1	1	Job Reference (optional)	164360262

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:16 ID:gXihhf7bUBHWZRFstotvP0z4SeY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f









1	2-5-10

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 10 lb	FT = 10%

- LUMBER
- TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x4 SPF No.2 \*Except\* 3-4:2x3 SPF No.2 WEBS BRACING TOP CHORD Structural wood sheathing directly applied or 2-5-10 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. **REACTIONS** (size) 4= Mechanical, 5=0-4-9 Max Horiz 5=78 (LC 7) Max Uplift 4=-24 (LC 1), 5=-206 (LC 4)
- Max Grav
   4=50 (LC 4), 5=419 (LC 1)

   FORCES
   (lb) Maximum Compression/Maximum Tension

   TOP CHORD
   2-5=-367/205, 1-2=0/45, 2-3=-25/34, 3-4=-22/16

4-5=-41/38

BOT CHORD

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 206 lb uplift at joint 5 and 24 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



Page: 1

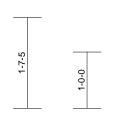
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

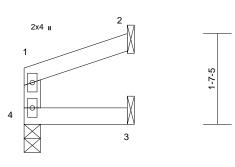


Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J15	Jack-Open	1	1	Job Reference (optional)	164360263

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:16 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

> 1-10-0 4 \_





2x4 🛛

1-10-0

Scale = 1:20.5				I								
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	0.00	3-4	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	3-4	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	3-4	>999	240	Weight: 5 lb	FT = 10%

LUMBER	214 605	No 2	LOAD CASE(S)	Standard	
BOT CHORD	2x4 SPF 2x4 SPF				
NEBS	2x4 SPF 2x4 SPF				
	284 366	N0.2			
	<b>0</b> , ,				
TOP CHORD		al wood sheathing directly applied or			
		c purlins, except end verticals.			
BOT CHORD	0	ling directly applied or 10-0-0 oc			
	bracing.				
REACTIONS	(size)	2= Mechanical, 3= Mechanical,			
	Marchierda	4=0-3-8			
		4=32 (LC 5)			
		2=-29 (LC 8), 4=-3 (LC 4)			
	Max Grav	2=55 (LC 1), 3=32 (LC 3), 4=75 (LC 1)			
FORCES	(lb) - Ma	ximum Compression/Maximum			
	Tension				
TOP CHORD	1-4=-62/	19, 1-2=-22/14			
BOT CHORD	3-4=0/0				
NOTES					
	CF 7-16 <sup>.</sup> V	ult=115mph (3-second gust)			
		=6.0psf; BCDL=6.0psf; h=25ft; Cat.			
		MWFRS (envelope) exterior zone;			
		ht exposed ; end vertical left and			
		er DOL=1.60 plate grip DOL=1.60			
2) This truss	has been	designed for a 10.0 psf bottom			
chord live	load nonce	oncurrent with any other live loads.			
3) * This trus	s has beer	designed for a live load of 20.0psf			
on the bot	tom chord	in all areas where a rectangle			E
3-06-00 ta	II by 2-00-0	00 wide will fit between the bottom			4
chord and					8
		imed to be SPF No.2.			8
		truss to truss connections.			2
		connection (by others) of truss to			N N
		e of withstanding 3 lb uplift at joint 4			V V
and 29 lb u					
R802.10.2	and refere	enced standard ANSI/TPI 1.			
<ol> <li>This truss Internation</li> </ol>	is designe nal Resider	It 2. d in accordance with the 2018 ntial Code sections R502.11.1 and enced standard ANSI/TPI 1.			

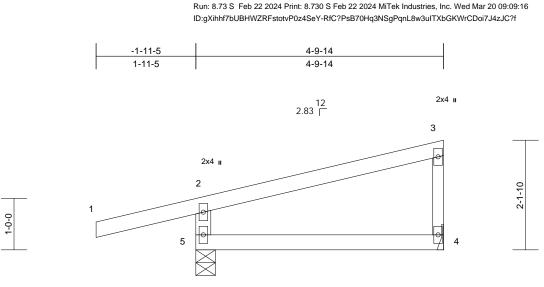


Page: 1

# RELEASE ICROMETRUCTION AS NOTED ON LANS REVIEW DEVELOCION SERVICES LEETS SUMMITY MISSOURI 07/11/2024 11:09:07

Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J16	Diagonal Hip Girder	1	1	Job Reference (optional)	164360264

2-1-10



2x4 🛛

Matrix-R

2x4 🛛

240 Weight: 15 lb

FT = 10%

Page: 1

						4-9-14				_		
Scale = 1:22.5										I		
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.02	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.03	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		

Wind(LL)

0.00

4-5

>999

LUMBER

BCDL

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x4 SPF No.2 \*Except\* 3-4:2x3 SPF No.2 WEBS BRACING TOP CHORD Structural wood sheathing directly applied or 4-9-14 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. **REACTIONS** (size) 4= Mechanical, 5=0-4-9 Max Horiz 5=84 (LC 7) Max Uplift 4=-34 (LC 8), 5=-141 (LC 4) Max Grav 4=172 (LC 1), 5=386 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension 2-5=-340/169, 1-2=0/34, 2-3=-79/13,

10.0

Code

IRC2018/TPI2014

TOP CHORD 2-5=-340/169, 1-2=0/34, 2-3=-79/13 3-4=-126/57 BOT CHORD 4-5=-22/28

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 141 lb uplift at joint 5 and 34 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



#### 3 BEFORE USE. apponent, not to the overall granent bracing the from Truss Plate Institute (www.tpinst.org) ants.com) RELEASE OR DATE ON ILLANS REVIEW DEVENSION OF LANS REVIEW DEVENSION OF LAN

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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J17	Jack-Closed	4	1	Job Reference (optional)	164360265

# 

2x4 🛛

3-6-0

2x4 🛛

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ale 2	_	1.22	5	

Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	тс	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.01	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 12 lb	FT = 10%

LUMBER

LOWIDER		
TOP CHORD	2x4 SPF I	No.2
BOT CHORD	2x4 SPF I	No.2
WEBS	2x4 SPF I	No.2 *Except* 3-4:2x3 SPF No.2
BRACING		
TOP CHORD	Structural	wood sheathing directly applied or
	3-6-0 oc p	ourlins, except end verticals.
BOT CHORD	Rigid ceili	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	4= Mechanical, 5=0-3-8
	Max Horiz	5=92 (LC 5)
	Max Uplift	4=-24 (LC 5), 5=-130 (LC 4)
	Max Grav	4=102 (LC 1), 5=332 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	

	101101011
TOP CHORD	2-5=-293/149, 1-2=0/45, 2-3=-65/13,
	3-4=-76/39
BOT CHORD	4-5=-27/21

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 130 lb uplift at joint 5 and 24 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



Page: 1

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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J18	Diagonal Hip Girder	2	1	Job Reference (optional)	164360266

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#### Page: 1 ID:ZJyCW0A5XPny13Zd6eyrZsz4SeU-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f 9-2-9 -2-7-13 5-4-6 2-7-13 5-4-6 3-10-3 4-11-10 2x4 II 4 1<u>2</u> 2.83 □ 3x4 = 11 10 3 9 8 3-2-1 3-2-1 2 2 9 9 Ļ 7 5 12 13 6 14 15 5x12 II 3x4 = 2x4 🛛 5-4-6 9-2-9 5-4-6 3-10-3

Scolo - 1.20 7

Scale = 1:50.7													
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	0.85	Vert(LL)	-0.05	5-6	>999	360	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.09	5-6	>999	240			
BCLL	0.0*	Rep Stress Incr	NO	WB	0.21	Horz(CT)	0.01	5	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.05	5-6	>999	240	Weight: 32 lb	FT = 10%	
LUMBER	UMBER 8) Hanger(s) or other connection device(s) shall be												

- TOP CHORD 2x4 SPF No.2
- BOT CHORD 2x4 SPF No.2

2x3 SPF No.2 \*Except\* 7-2:2x4 SPF No.2 WEBS BRACING TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. a directly of plied or 10-0-0 oc

BOT CHORD	bracing.	
REACTIONS	(size)	5= Mechanical, 7=0-7-6
	Max Horiz	7=132 (LC 7)
	Max Uplift	5=-116 (I C 8) 7=-212 (I C 4)

	Max Opint	3 = 110 (LO 0), 1 = 212 (LO 4)
	Max Grav	5=514 (LC 1), 7=645 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOP CHORD	2-7=-555/	229, 1-2=0/45, 2-3=-542/90,
	3-488/3	4 4-5210/92

#### BOT CHORD 6-7=-119/452, 5-6=-119/452 WEBS 3-6=0/202, 3-5=-477/120 NOTES

- 1)
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom 2) chord live load nonconcurrent with any other live loads.
  This truss has been designed for a live load of 20.0psf
- 3) on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SPF No.2 4)
- Refer to girder(s) for truss to truss connections. 5)
- Provide mechanical connection (by others) of truss to 6) bearing plate capable of withstanding 212 lb uplift at joint 7 and 116 lb uplift at joint 5.
- This truss is designed in accordance with the 2018 7) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

provided sufficient to support concentrated load(s) 73 lb down and 73 lb up at 2-8-7, 70 lb down and 28 lb up at 3-7-12, 87 lb down and 58 lb up at 5-6-6, and 98 lb down and 67 lb up at 6-5-11, and 119 lb down and 79 lb up at 8-4-5 on top chord, and 12 lb down and 16 lb up at 2-8-7, 8 lb down and 10 lb up at 3-7-12, 19 lb down at 5-6-6, and 26 lb down at 6-5-11, and 61 lb down at 8-4-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

# LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, 1) Plate Increase=1.15
  - Uniform Loads (lb/ft)
  - Vert: 1-2=-70, 2-4=-70, 5-7=-20
  - Concentrated Loads (lb)
  - Vert: 3=-1 (B), 6=-2 (B), 10=-21 (F), 11=-92 (B),
  - 13=10 (F), 14=-12 (F), 15=-39 (B)



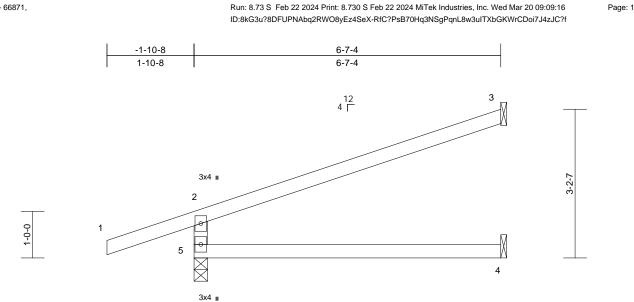
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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J19	Jack-Open	15	1	Job Reference (optional)	164360267

3-2-7



6-7-4

					-					-	
Scale = 1:24.8	-	l								 	
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	0.61 0.38 0.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.08 -0.17 0.06 0.06	(loc) 4-5 4-5 3 4-5	l/defl >999 >461 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 18 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2 BRACING TOP CHORD Structural wood she 6-0-0 oc purlins, ex BOT CHORD Rigid ceiling directly bracing. REACTIONS (size) 3= Mecha 5=0-3-8 Max Horiz 5=111 (LC Max Uplift 3=-92 (LC Max Grav 3=193 (LC (LC 1)	cept end verticals. applied or 10-0-0 oc anical, 4= Mechanica C 4) C 8), 5=-127 (LC 4)	c al,	) Standard								
<ul> <li>FORCES (Ib) - Maximum Corr Tension</li> <li>TOP CHORD 2-5=-396/181, 1-2=0</li> <li>BOT CHORD 4-5=0/0</li> <li>NOTES</li> <li>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</li> <li>2) This truss has been designed fo chord live load nonconcurrent wi</li> <li>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.</li> <li>4) All bearings are assumed to be 5</li> <li>5) Refer to girder(s) for truss to tru 6) Provide mechanical connection 1 bearing plate capable of withstat 5 and 92 lb uplift at joint 3.</li> <li>7) This truss is designed in accorda International Residential Code s R802.10.2 and referenced stand</li> </ul>	)/45, 2-3=-87/47 (3-second gust) (DL=6.0psf; h=25ft; C nvelope) exterior zor ; 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 . ss connections. (by others) of truss to nding 127 lb uplift at ance with the 2018 ections R502.11.1 at	ne; d 60 ds. )psf om o joint							2	PE-2022	BER DATE

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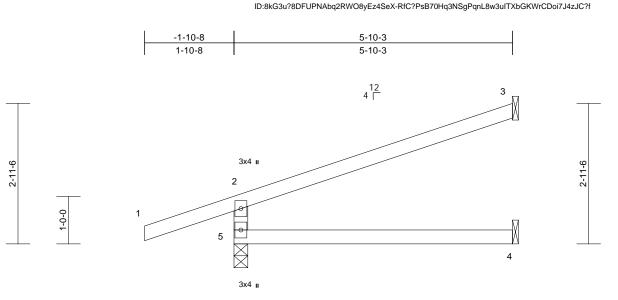
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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J20	Jack-Open	3	1	Job Reference (optional)	164360268

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Wheeler Lumber, Waverly, KS - 66871,



						5-10-3						
Scale = 1:24.2												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	тс	0.45	Vert(LL)	-0.05	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.10	4-5	>681	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.04	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.04	4-5	>999	240	Weight: 17 lb	FT = 10%
LUMBER			LOAD CASE(S)	Standard								
TOP CHORD	2x4 SPF No.2			Otandara								
BOT CHORD												
WEBS	2x4 SPF No.2											
BRACING												
TOP CHORD	Structural wood she	athing directly applie	ed or									
	5-10-3 oc purlins, e											
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 or	c									
REACTIONS	(size) 3= Mecha 5=0-3-8	anical, 4= Mechanica	al,									
	Max Horiz 5=101 (LC	C 4)										
	Max Uplift 3=-81 (LC	2 8), 5=-123 (LC 4)										
	Max Grav 3=168 (LC (LC 1)	C 1), 4=104 (LC 3), 5	5=421									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD		)/45, 2-3=-77/40										
BOT CHORD	4-5=0/0											
NOTES												
Vasd=91r II; Exp C;	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed	DL=6.0psf; h=25ft; ( nvelope) exterior zor	ne;									

- 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
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2 .
- Refer to girder(s) for truss to truss connections.
   Provide mechanical connection (by others) of truss to
- bearing plate capable of withstanding 123 lb uplift at joint 5 and 81 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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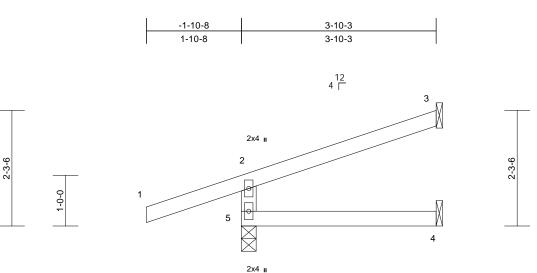


Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J21	Jack-Open	3	1	Job Reference (optional)	164360269

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3-10-3

Page: 1



Scale = 1:22.8						
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	i

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	<b>CSI</b> TC BC WB Matrix-R	0.28 0.11 0.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.01 -0.02 0.01 0.00	(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: 12 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD NOTES 1) Wind: ASV Vasd=91r	2x4 SPF No.2 2x4 SPF No.2 2x4 SPF No.2 2x4 SPF No.2 Structural wood she 3-10-3 oc purlins, e Rigid ceiling directly bracing. (size) 3= Mecha 5=0-3-8 Max Horiz 5=74 (LC Max Grav 3=95 (LC (LC 1) (lb) - Maximum Com Tension 2-5=-302/146, 1-2=0 4-5=0/0 CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC	athing directly applie xcept end verticals. applied or 10-0-0 oc nical, 4= Mechanica 4) 8), 5=-119 (LC 4) 1), 4=65 (LC 3), 5=3 pression/Maximum /45, 2-3=-52/22 (3-second gust) DL=6.0psf; h=25ft; C	LOAD CASE(S) ed or ; ; ; ; ; ; ; ; ; ; ; ; ;			Wind(LL)	0.00	4-5	>999	240	Weight: 12 lb	FT = 10%
<ul> <li>cantilever right expo</li> <li>2) This truss chord live</li> <li>3) * This trus on the bol 3-06-00 te chord and</li> <li>4) All bearing</li> <li>5) Refer to g</li> <li>6) Provide m bearing pl 5 and 50</li> <li>7) This truss Internation</li> </ul>	Enclosed; MWFRS (er r left and right exposed space; Lumber DOL=1.6 is has been designed for e load nonconcurrent wi ss has been designed fittom chord in all areas all by 2-00-00 wide will d any other members. gs are assumed to be S girder(s) for truss to tru nechanical connection ( late capable of withstar lb uplift at joint 3. s is designed in accorda nal Residential Code ss 2 and referenced stand	; end vertical left and 0 plate grip DOL=1.6 a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle fit between the botto SPF No.2 . ss connections. by others) of truss to dding 119 lb uplift at ance with the 2018 ections R502.11.1 ar	d 30 Js. psf m o joint								PE-2022	BER DAL

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent toulsable personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)

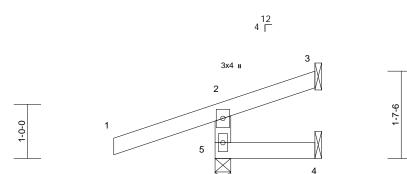


Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J22	Jack-Open	4	1	Job Reference (optional)	164360270

# Run; 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:17 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







2x4 II

1-10-3

Scale	- 1	1.21	2

Scale = 1:21.3											-		
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	тс	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	4-5	>999	240			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 7 lb	FT = 10%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING													

	1-10-3 oc	purlins, except end verticals.
BOT CHORD	Rigid ceili bracing.	ng directly applied or 10-0-0 oc
REACTIONS	0	3= Mechanical, 4= Mechanical, 5=0-3-8
	Max Horiz	5=47 (LC 4)
	Max Uplift	3=-12 (LC 8), 4=-6 (LC 1), 5=-131 (LC 4)
	Max Grav	3=4 (LC 19), 4=25 (LC 3), 5=302 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum

TOP CHORD Structural wood sheathing directly applied or

1-7-6

#### (Ib) - Maximum Compression/Maximum FORCES Tension TOP CHORD 2-5=-262/137, 1-2=0/45, 2-3=-38/1

BOT CHORD 4-5=0/0 NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed : end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SPF No.2 . 4)
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 131 lb uplift at joint 5, 6 lb uplift at joint 4 and 12 lb uplift at joint 3.



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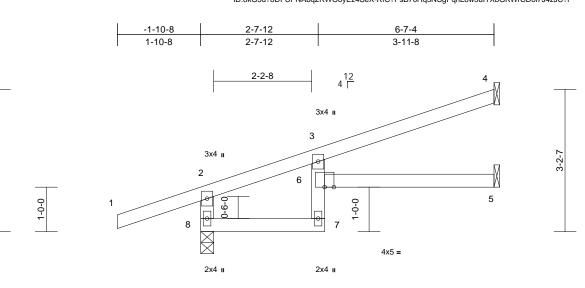
# CTION DEVELORMENT SERVICES LEE'S'SUMMIT'SMISSOURI 07/11/2024 11:09:07

Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J23	Jack-Open	3	1	Job Reference (optional)	164360271

3-2-7

# Run: 8,73 S Feb 22 2024 Print: 8,730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:17 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







Scale =	1:25.9
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Loading	(psf)	Spacing	2-0-0	CSI	0.50	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) TCDL	25.0 10.0	Plate Grip DOL Lumber DOL	1.15 1.15	TC BC	0.50 0.37	Vert(LL) Vert(CT)	-0.10 -0.18	5-6 5-6	>782 >420	360 240	MT20	197/144
BCLL	0.0*	Rep Stress Incr	YES	WB	0.37	Horz(CT)	-0.18	5-0 5	>420 n/a	240 n/a		
BCDL	10.0	Code	IRC2018/TPI201		0.00	Wind(LL)	0.07	5-6	>719	240	Weight: 20 lb	FT = 10%
LUMBER		•	7) This tru	iss is designed in acc	ordance w	ith the 2018		-				
TOP CHORD	2x4 SPF No.2			tional Residential Coc			and					
BOT CHORD			R802.1	0.2 and referenced st	andard AN	ISI/TPI 1.						
WEBS	2x4 SPF No.2		LOAD CAS	E(S) Standard								
BRACING												
TOP CHORD			ied or									
	6-0-0 oc purlins, ex											
BOT CHORD	<ul> <li>Rigid ceiling directly bracing.</li> </ul>	applied or 10-0-0 d	0C									
REACTIONS		anical, 5= Mechanic	al,									
	8=0-3-8 Max Horiz 8=111 (L0											
	Max Uplift 4=-75 (LC	,										
	Max Grav 4=183 (L0		8=452									
	(LC 1)	,, , , ,										
FORCES	(lb) - Maximum Com	pression/Maximum	I									
	Tension											
TOP CHORD	,	)/45, 2-3=-211/11,										
BOT CHORD	3-4=-37/49 7-8=-70/135, 6-7=0/-	11 3-63/01 5-6-	0/0									
NOTES	7-0=-70/133, 0-7=0/	41, 3-03/34, 3-0-	0/0									
	CE 7-16; Vult=115mph	(3-second quist)										
	mph; TCDL=6.0psf; BC		Cat.									
	Enclosed; MWFRS (er											
	r left and right exposed										San	JUL
	osed; Lumber DOL=1.6		.60								TATE OF	MISC
	s has been designed for									6	7 STD	N.O.
	e load nonconcurrent wi ss has been designed f									B	S NATH	NIFL XP
	ottom chord in all areas		opsi							8	FO	
	all by 2-00-00 wide will		om							17 V	A LA	" A T+N
chord and	d any other members.									81		
	igs are assumed to be \$									01	Alhan.	X O WXX
	girder(s) for truss to tru									23	MONT - AS	BER
	nechanical connection (									N.	O PE-2022	042259
bearing p	late capable of withstar	nding 127 lb uplift at	t joint							- N	122	120

bearing plate capable of withstanding 127 lb uplift at joint 8 and 75 lb uplift at joint 4.

# March 21,2024 ΤΙΟΝ **IEW** DEVELOPMENT SERVICES LEE'S' SUMMIT'S MISSOURI 07/11/2024 11:09:07

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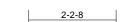
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent toulsable personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)

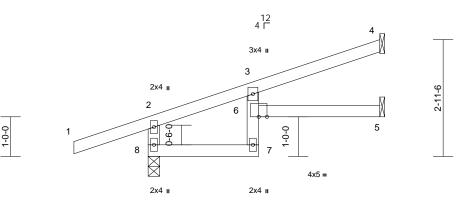
Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J24	Jack-Open	1	1	Job Reference (optional)	164360272

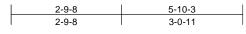
2-11-6

# Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:17 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f









Scale = 1:29.1

00010 - 1.20.1												
Loading TCLL (roof) TCDL	(psf) 25.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI TC BC	0.35 0.27	DEFL Vert(LL) Vert(CT)	in -0.06 -0.10	(loc) 6 5-6	l/defl >999 >654	L/d 360 240	PLATES MT20	<b>GRIP</b> 197/144
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.04	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R	_	Wind(LL)	0.06	5-6	>999	240	Weight: 18 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING			Ínternatio	is designed in accornal Residential Cod and referenced st and referenced st S) Standard	le sections	R502.11.1 a	and					
TOP CHORD	Structural wood she 5-10-3 oc purlins, e											
BOT CHORD												
REACTIONS	(size) 4= Mecha 8=0-3-8	nical, 5= Mechanic	al,									
	Max Horiz 8=101 (LC Max Uplift 4=-63 (LC Max Grav 4=156 (LC (LC 1)	8), 8=-123 (LC 4)	=421									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD		/45, 2-3=-171/6,										
BOT CHORD		42, 3-6=-5/79, 5-6=	0/0									
NOTES												
Vasd=91n II; Exp C; cantilever	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er left and right exposed sed; Lumber DOL=1.6	DL=6.0psf; h=25ft; nvelope) exterior zor ; end vertical left ar	ne; Id								ASS OF	MIS
2) This truss	has been designed for	a 10.0 psf bottom								6	TATE OF	MISSO ST
3) * This trus on the bot 3-06-00 ta	load nonconcurrent wi ss has been designed f ttom chord in all areas all by 2-00-00 wide will any other members.	or a live load of 20.0 where a rectangle	Opsf							6	S NATH	ANIEL YON
4) All bearing	gs are assumed to be \$									W.	a Kanie	Stop
	irder(s) for truss to tru nechanical connection (		0							N7	PE-2022	042259
										- XX	10-2022	A LESS IN A

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 8 and 63 lb uplift at joint 4.



March 21,2024

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Page: 1

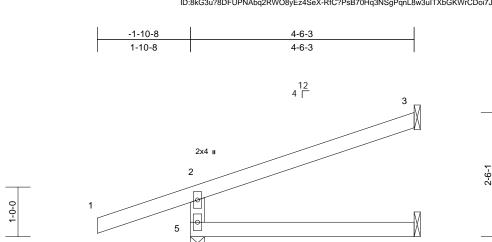
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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J25	Jack-Open	2	1	Job Reference (optional)	164360273

# Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:17 ID:8kG3u?8DFUPNAbq2RW08yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

4





2x4 II		
	4-6-3	

Scale = 1:23.2									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	0.28	Vert(LL)	-0.02	4-5	>999	360	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.03	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: 14 lb	FT = 10%	
LUMBER			LOAD CASE(S)	Standard				-					

LUMBER								
TOP CHORD	2x4 SPF I	No.2						
BOT CHORD	2x4 SPF I	No.2						
WEBS	2x4 SPF	No.2						
BRACING								
TOP CHORD		I wood sheathing directly applied or purlins, except end verticals.						
BOT CHORD		Rigid ceiling directly applied or 10-0-0 oc						
REACTIONS	(size)	3= Mechanical, 4= Mechanical, 5=0-3-8						
	Max Horiz	5=83 (LC 4)						
	Max Uplift	3=-61 (LC 8), 5=-119 (LC 4)						
	Max Grav	3=120 (LC 1), 4=78 (LC 3), 5=368 (LC 1)						
FORCES	(lb) - Max	imum Compression/Maximum						
	Tension							
TOP CHORD	2-5=-323/	/154, 1-2=0/45, 2-3=-60/28						
BOT CHORD	4-5=0/0							
NOTES								
1) Wind: ASC	CE 7-16; Vu	It=115mph (3-second gust)						
Vasd=91m	ph; TCDL=	6.0psf; BCDL=6.0psf; h=25ft; Cat.						
II; Exp C; I	Enclosed; N	IWFRS (envelope) exterior zone;						
		nt exposed ; end vertical left and						
		r DOL=1.60 plate grip DOL=1.60						
		esigned for a 10.0 psf bottom						
		ncurrent with any other live loads.						
<ol><li>3) * This trus</li></ol>	* This truss has been designed for a live load of 20.0psf							

2-6-1

- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2.
- Refer to girder(s) for truss to truss connections.
   Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 119 lb uplift at joint 5 and 61 lb uplift at joint 3.
- 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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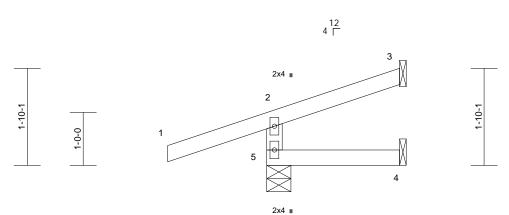


Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J26	Jack-Open	3	1	Job Reference (optional)	164360274

# Run: 8,73 S Feb 22 2024 Print: 8,730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:17 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







						2-6-3							
Scale = 1:21.8	icale = 1:21.8												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	4-5	>999	240			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 9 lb	FT = 10%	

~ ~ ~

TOP CHORD	2x4 SPF	No 2	LOAD CASE(S)	
BOT CHORD				
WEBS	2x4 SPF			
BRACING	274 01 1	10.2		
TOP CHORD	Structura	I wood sheathing directly applied or		
		ourlins, except end verticals.		
BOT CHORD		ing directly applied or 10-0-0 oc		
201 01.01.2	bracing.			
REACTIONS	(size)	3= Mechanical, 4= Mechanical,		
	()	5=0-5-8		
	Max Horiz	5=56 (LC 4)		
	Max Uplift	3=-27 (LC 8), 5=-123 (LC 4)		
	Max Grav	3=35 (LC 1), 4=38 (LC 3), 5=307		
		(LC 1)		
FORCES	· · /	imum Compression/Maximum		
	Tension			
TOP CHORD		/136, 1-2=0/45, 2-3=-40/6		
BOT CHORD	4-5=0/0			
NOTES				
		It=115mph (3-second gust)		
Vasd=91n	nph; TCDL=	6.0psf; BCDL=6.0psf; h=25ft; Cat.		
Vasd=91n II; Exp C;	nph; TCDL= Enclosed; N	6.0psf; BCDL=6.0psf; h=25ft; Cat. /WFRS (envelope) exterior zone;		
Vasd=91n II; Exp C; cantilever	nph; TCDL= Enclosed; N left and righ	6.0psf; BCDL=6.0psf; h=25ft; Cat. IWFRS (envelope) exterior zone; ht exposed ; end vertical left and		
Vasd=91n II; Exp C; cantilever right expo	nph; TCDL= Enclosed; N left and righ sed; Lumbe	6.0psf; BCDL=6.0psf; h=25ft; Cat. IWFRS (envelope) exterior zone; ht exposed ; end vertical left and r DOL=1.60 plate grip DOL=1.60		
Vasd=91n II; Exp C; cantilever right expo 2) This truss	nph; TCDL= Enclosed; M left and righ sed; Lumbe has been d	6.0psf; BCDL=6.0psf; h=25ft; Cat. IWFRS (envelope) exterior zone; the exposed ; end vertical left and tr DOL=1.60 plate grip DOL=1.60 esigned for a 10.0 psf bottom		
Vasd=91n II; Exp C; cantilever right expo 2) This truss chord live	nph; TCDL= Enclosed; N left and righ sed; Lumbe has been d load nonco	6.0psf; BCDL=6.0psf; h=25ft; Cat. IWFRS (envelope) exterior zone; ht exposed ; end vertical left and r DOL=1.60 plate grip DOL=1.60		
Vasd=91n II; Exp C; cantilever right expo 2) This truss chord live 3) * This trus	nph; TCDL= Enclosed; N left and righ sed; Lumbe has been d load nonco s has been	6.0psf; BCDL=6.0psf; h=25ft; Cat. IWFRS (envelope) exterior zone; tt exposed ; end vertical left and r DOL=1.60 plate grip DOL=1.60 esigned for a 10.0 psf bottom ncurrent with any other live loads.		
Vasd=91n II; Exp C; cantilever right expos 2) This truss chord live 3) * This trus on the bot 3-06-00 ta	nph; TCDL= Enclosed; M left and righ sed; Lumbe has been d load nonco is has been tom chord in all by 2-00-0	6.0psf; BCDL=6.0psf; h=25ft; Cat. IWFRS (envelope) exterior zone; tt exposed ; end vertical left and tr DOL=1.60 plate grip DOL=1.60 esigned for a 10.0 psf bottom ncurrent with any other live loads. designed for a live load of 20.0psf n all areas where a rectangle 0 wide will fit between the bottom		
Vasd=91n II; Exp C; cantilever right expo 2) This truss chord live 3) * This truss on the bot 3-06-00 ta chord and	nph; TCDL= Enclosed; M left and righ sed; Lumbe has been d load nonco is has been tom chord in all by 2-00-0 any other r	6.0psf; BCDL=6.0psf; h=25ft; Cat. IWFRS (envelope) exterior zone; the exposed ; end vertical left and r DOL=1.60 plate grip DOL=1.60 esigned for a 10.0 psf bottom incurrent with any other live loads. designed for a live load of 20.0psf in all areas where a rectangle 0 wide will fit between the bottom nembers.		
Vasd=91n II; Exp C; cantilever right expo 2) This truss chord live 3) * This trus on the bot 3-06-00 ta chord and 4) All bearing	nph; TCDL= Enclosed; M left and righ sed; Lumbe has been d load nonco is has been tom chord ii all by 2-00-0 any other r gs are assui	6.0psf; BCDL=6.0psf; h=25ft; Cat. IWFRS (envelope) exterior zone; tt exposed ; end vertical left and r DOL=1.60 plate grip DOL=1.60 esigned for a 10.0 psf bottom ncurrent with any other live loads. designed for a live load of 20.0psf n all areas where a rectangle 0 wide will fit between the bottom nembers. med to be SPF No.2.		
Vasd=91n II; Exp C; cantilever right expo 2) This truss chord live 3) * This trus on the bot 3: -06-00 ta chord and 4) All bearing 5) Refer to g	nph; TCDL= Enclosed; M left and righ sed; Lumbe has been d load nonco is has been tom chord ii all by 2-00-0 any other r gs are assur irder(s) for	6.0psf; BCDL=6.0psf; h=25ft; Cat. IWFRS (envelope) exterior zone; tt exposed ; end vertical left and r DOL=1.60 plate grip DOL=1.60 esigned for a 10.0 psf bottom ncurrent with any other live loads. designed for a live load of 20.0psf n all areas where a rectangle 0 wide will fit between the bottom nembers. med to be SPF No.2. truss to truss connections.		
Vasd=91n II; Exp C; cantilever right expo 2) This truss chord live 3) * This trus on the bot 3-06-00 tz chord and 4) All bearing 5) Refer to g 6) Provide m	nph; TCDL= Enclosed; N left and righ sed; Lumbe has been d load nonco is has been tom chord ii all by 2-00-0 any other r gs are assuu irder(s) for techanical c	6.0psf; BCDL=6.0psf; h=25ft; Cat. IWFRS (envelope) exterior zone; tt exposed ; end vertical left and r DOL=1.60 plate grip DOL=1.60 esigned for a 10.0 psf bottom ncurrent with any other live loads. designed for a live load of 20.0psf n all areas where a rectangle 0 wide will fit between the bottom nembers. med to be SPF No.2. truss to truss connections. onnection (by others) of truss to		
Vasd=91n II; Exp C; cantilever right expo 2) This truss chord live 3) * This truss on the bot 3-06-00 tz chord and 4) All bearing 5) Refer to g 6) Provide m bearing pl	nph; TCDL= Enclosed; N left and righ sed; Lumbe has been d load nonco is has been tom chord ii ill by 2-00-0 any other r gs are assuu irder(s) for iechanical c ate capable	6.0psf; BCDL=6.0psf; h=25ft; Cat. IWFRS (envelope) exterior zone; the exposed ; end vertical left and tr DOL=1.60 plate grip DOL=1.60 esigned for a 10.0 psf bottom incurrent with any other live loads. designed for a live load of 20.0psf n all areas where a rectangle 0 wide will fit between the bottom nembers. med to be SPF No.2. truss to truss connections. onnection (by others) of truss to of withstanding 123 lb uplift at joint		
Vasd=91n II; Exp C; cantilever right expo 2) This truss chord live 3) * This trus on the bot 3-06-00 ta chord and 4) All bearing 5) Refer to g 6) Provide m bearing pl 5 and 27 I	nph; TCDL= Enclosed; N left and right sed; Lumbe has been d load nonco is has been tom chord in il by 2-00-0 any other r gs are assur irder(s) for rechanical c ate capable b uplift at jo	6.0psf; BCDL=6.0psf; h=25ft; Cat. IWFRS (envelope) exterior zone; the exposed ; end vertical left and tr DDL=1.60 plate grip DOL=1.60 esigned for a 10.0 psf bottom incurrent with any other live loads. designed for a live load of 20.0psf in all areas where a rectangle 0 wide will fit between the bottom nembers. med to be SPF No.2. truss to truss connections. onnection (by others) of truss to of withstanding 123 lb uplift at joint int 3.		
<ul> <li>Vasd=91n II; Exp C; cantilever right expo</li> <li>2) This truss chord live</li> <li>3) * This truss on the bot</li> <li>3-06-00 ta chord and</li> <li>4) All bearing</li> <li>5) Refer to g</li> <li>6) Provide m bearing pl 5 and 27 I</li> <li>7) This truss</li> </ul>	nph; TCDL= Enclosed; N left and rigt sed; Lumbe has been d load nonco is has been tom chord ii ill by 2-00-0 any other r gs are assur irder(s) for lechanical c ate capable b uplift at jo is designed	66.0psf; BCDL=6.0psf; h=25ft; Cat. IWFRS (envelope) exterior zone; tt exposed ; end vertical left and r DOL=1.60 plate grip DOL=1.60 esigned for a 10.0 psf bottom incurrent with any other live loads. designed for a live load of 20.0psf n all areas where a rectangle 0 wide will fit between the bottom nembers. med to be SPF No.2. truss to truss connections. onnection (by others) of truss to of withstanding 123 lb uplift at joint int 3. L in accordance with the 2018		
<ul> <li>Vasd=91n II; Exp C; cantilever right expo</li> <li>This truss chord live</li> <li>* This truss on the bot</li> <li>306-00 ta chord and</li> <li>All bearing</li> <li>Refer to g</li> <li>Provide m bearing pl</li> <li>5 and 27 I</li> <li>This truss Internation</li> </ul>	nph; TCDL= Enclosed; N left and righ sed; Lumbe has been d load nonco is has been tom chord in any other r gs are assur irder(s) for lechanical c ate capable b uplift at jo is designed nal Residen	6.0psf; BCDL=6.0psf; h=25ft; Cat. IWFRS (envelope) exterior zone; the exposed ; end vertical left and tr DOL=1.60 plate grip DOL=1.60 esigned for a 10.0 psf bottom incurrent with any other live loads. designed for a live load of 20.0psf in all areas where a rectangle 0 wide will fit between the bottom nembers. med to be SPF No.2. truss to truss connections. onnection (by others) of truss to of withstanding 123 lb uplift at joint int 3.		



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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J27	Diagonal Hip Girder	1	1	Job Reference (optional)	164360275

3-2-

1-0-0

#### Run: 8 73 S. Feb 22 2024 Print: 8 730 S Feb 22 2024 MiTek Industries. Inc. Wed Mar 20 09:09:17 ID:ZJyCW0A5XPny13Zd6eyrZsz4SeU-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f -2-7-13 3-8-14 9-2-9 2-7-13 3-8-14 5-5-11 5-0-7 3-3-10 M18AHS 4x14 II 12 ⊒ 2.83 4 12 11 3x4 II 10 3 9 4x5 II 3-2-2

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M18AHS 4x14 =

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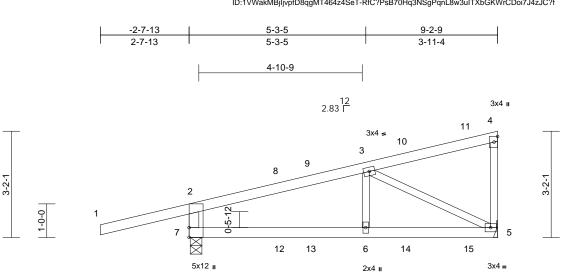
3-10-10 9-2-9 3-10-10 5-3-15 Scale = 1:34.5 Plate Offsets (X, Y): [2:0-2-8,0-1-12], [4:0-3-8,Edge], [5:Edge,0-3-8] Loading 2-0-0 CSI DEFL in l/defl L/d PLATES GRIP (psf) Spacing (loc) TCLL (roof) 25.0 Plate Grip DOL 1.15 TC 0.65 Vert(LL) -0.24 >455 360 MT20 197/144 5-6 TCDL 10.0 Lumber DOL 1.15 BC 0.49 Vert(CT) -0.44 5-6 >242 240 M18AHS 142/136 BCLL Rep Stress Incr WB Horz(CT) 0.0 NO 0.00 0.11 5 n/a n/a BCDL 10.0 Code IRC2018/TPI2014 Matrix-R Wind(LL) 0.25 5-6 >435 240 Weight: 28 lb FT = 10% LUMBER 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and TOP CHORD 2x4 SPF 2100F 1.8E BOT CHORD 2x4 SPF 2100F 1.8E R802.10.2 and referenced standard ANSI/TPI 1. Hanger(s) or other connection device(s) shall be 2x4 SPF No.2 WEBS provided sufficient to support concentrated load(s) 73 lb BRACING down and 73 lb up at 2-8-7, 70 lb down and 28 lb up at TOP CHORD Structural wood sheathing directly applied or 3-7-12, 86 lb down and 40 lb up at 5-6-6, and 98 lb 6-0-0 oc purlins, except end verticals. down and 50 lb up at 6-5-11, and 110 lb down and 63 lb BOT CHORD Rigid ceiling directly applied or 10-0-0 oc up at 8-4-5 on top chord, and 12 lb down and 16 lb up bracing. at 2-8-7. 8 lb down and 10 lb up at 3-8-14. 21 lb down REACTIONS 5= Mechanical, 8=0-4-9 (size) and 27 lb up at 5-6-6, and 27 lb down and 23 lb up at Max Horiz 8=115 (LC 5) 6-5-11, and 51 lb down at 8-4-5 on bottom chord. The Max Uplift 5=-120 (LC 8), 8=-218 (LC 4) design/selection of such connection device(s) is the Max Grav 5=528 (LC 1), 8=651 (LC 1) responsibility of others. FORCES (Ib) - Maximum Compression/Maximum 10) In the LOAD CASE(S) section, loads applied to the face Tension of the truss are noted as front (F) or back (B). 2-8=-580/231, 1-2=0/45, 2-3=-447/75, TOP CHORD LOAD CASE(S) Standard 3-4=-298/59, 4-5=-320/119 Dead + Roof Live (balanced): Lumber Increase=1.15, 1) BOT CHORD 7-8=-96/351, 6-7=-11/54, 3-6=-21/101, Plate Increase=1 15 5-6=-73/262 Uniform Loads (lb/ft) NOTES Vert: 1-2=-70, 2-4=-70, 7-8=-20, 5-6=-20 Wind: ASCE 7-16; Vult=115mph (3-second gust) 1) Concentrated Loads (lb) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. Vert: 7=10 (F), 10=-5 (B), 11=-13 (F), 12=-81 (B), II; Exp C; Enclosed; MWFRS (envelope) exterior zone; 14=-14 (B), 15=-25 (F), 16=-51 (B) cantilever left and right exposed ; end vertical left and OF MISSO right exposed; Lumber DOL=1.60 plate grip DOL=1.60 TE All plates are MT20 plates unless otherwise indicated. This truss has been designed for a 10.0 psf bottom 3) NATHANIEI chord live load nonconcurrent with any other live loads. FOX 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. PER Bearings are assumed to be: Joint 8 SPF 2100F 1.8E , 5) PE-2022042259 Joint 5 SPF No.2 Refer to girder(s) for truss to truss connections. 6) SSIONAL Provide mechanical connection (by others) of truss to 7) E bearing plate capable of withstanding 218 lb uplift at joint 8 and 120 lb uplift at joint 5. March 21,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPH 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 173 HM	
B240133	J28	Diagonal Hip Girder	1	1	Job Reference (optional)	164360276

# Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:17 ID:1VWakMBjljvpfD8qgMT464z4SeT-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:34.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	-0.06	5-6	>999	360	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.11	5-6	>978	240			
BCLL	0.0*	Rep Stress Incr	NO	WB	0.25	Horz(CT)	0.01	5	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		Wind(LL)	0.05	5-6	>999	240	Weight: 32 lb	FT = 10%	
	UMBER 8) Hanger(s) or other connection device(s) shall be												

- TOP CHORD 2x4 SPF No.2
- BOT CHORD 2x4 SPF No.2

2x3 SPF No.2 \*Except\* 7-2:2x4 SPF No.2 WEBS

BRACING		
TOP CHORD	Structura	I wood sheathing directly applied or
	5-9-9 oc	purlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	5= Mechanical 7=0-4-3

	(0.20)	o moonamoan, r o r o
	Max Horiz	7=132 (LC 5)
	Max Uplift	5=-124 (LC 5), 7=-218 (LC 4)
	Max Grav	5=578 (LC 1), 7=682 (LC 1)
FORCES	(lb) - Max Tension	imum Compression/Maximum
TOP CHORD	2-7=-580/	232, 1-2=0/45, 2-3=-612/100,

3-4=-99/34, 4-5=-232/98 BOT CHORD 6-7=-149/520, 5-6=-149/520 3-6=0/217, 3-5=-545/136 WFBS

### NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) 1) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom 2) chord live load nonconcurrent with any other live loads.
  This truss has been designed for a live load of 20.0psf
- 3) on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SPF No.2 4)
- Refer to girder(s) for truss to truss connections. 5)
- Provide mechanical connection (by others) of truss to 6) bearing plate capable of withstanding 218 lb uplift at joint 7 and 124 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.

provided sufficient to support concentrated load(s) 73 lb down and 73 lb up at 2-8-7, 87 lb down and 58 lb up at 3-7-12, 87 lb down and 58 lb up at 5-6-6, and 116 lb down and 81 lb up at 6-5-11, and 119 lb down and 79 lb up at 8-4-5 on top chord, and 12 lb down and 16 lb up at 2-8-7, 18 lb down at 3-7-12, 19 lb down at 5-6-6, and 44 lb down at 6-5-11, and 61 lb down at 8-4-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

# LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, 1) Plate Increase=1.15
  - Uniform Loads (lb/ft)
  - Vert: 1-2=-70, 2-4=-70, 5-7=-20
  - Concentrated Loads (lb)
  - Vert: 3=-1 (F), 6=-2 (F), 9=-3 (B), 10=-71 (B), 11=-92
  - (F), 13=-9 (B), 14=-40 (B), 15=-39 (F)

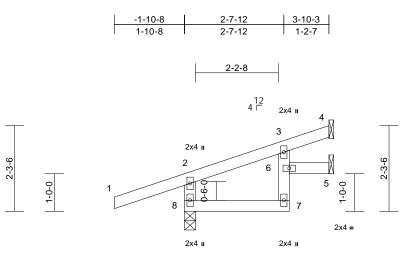


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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J29	Jack-Open	1	1	Job Reference (optional)	164360277

# Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:18 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:30.7

Ocale = 1.50.7												
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	0.28	Vert(LL)	-0.01	6	>999	360	MT20	197/144
TCDL BCLL	10.0 0.0*	Lumber DOL Rep Stress Incr	1.15 YES	BC WB	0.06 0.00	Vert(CT) Horz(CT)	-0.01 0.00	4	>999	240		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R	0.00	Wind(LL)	0.00	4	n/a >999	n/a 240	Weight: 13 lb	FT = 10%
								_		-	- 3	
				designed in acco Residential Code			and					
TOP CHORD BOT CHORD	2x4 SPF No.2 2x4 SPF No.2			and referenced sta			anu					
WEBS	2x4 SPF No.2 2x4 SPF No.2		LOAD CASE(S									
BRACING	24 011 10.2		LOAD CASE(S	Standard								
TOP CHORD	Structural wood she	athing directly appli	ed or									
	3-10-3 oc purlins, e											
BOT CHORD	Rigid ceiling directly		с									
	bracing.											
REACTIONS	(size) 4= Mecha	anical, 5= Mechanica	al,									
	8=0-3-8											
	Max Horiz 8=74 (LC	,										
	Max Uplift 4=-28 (LC	C 8), 5=-10 (LC 8), 8	=-119									
	(LC 4)	(1) = (1) + (1)	245									
	Max Grav 4=82 (LC (LC 1)	1), 5=50 (LC 3), 6=	343									
FORCES	(lb) - Maximum Corr	npression/Maximum										
	Tension											
TOP CHORD	2-8=-306/136, 1-2=0	0/45, 2-3=-74/0,										
	3-4=-13/23											
BOT CHORD	7-8=-22/34, 6-7=0/4	5, 3-6=-8/41, 5-6=0/	/0									
NOTES												
	CE 7-16; Vult=115mph											
	nph; TCDL=6.0psf; BC											The second se

- Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 119 lb uplift at joint 8, 28 lb uplift at joint 4 and 10 lb uplift at joint 5.



Page: 1

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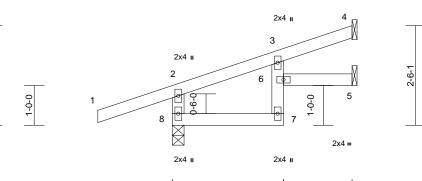
Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J30	Jack-Open	1	1	Job Reference (optional)	164360278

2-6-1

# Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:18 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







# 2-9-8 4-6-3 2-9-8 1-8-11

Scale = 1:29

Loading		(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)		25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.01	6	>999	360	MT20	197/144
TCDL		10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.03	7	>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)	0.02	6	>999	240	Weight: 15 lb	FT = 10%
LUMBER				<ol><li>This truss is</li></ol>	s designed in acco	ordance wi	th the 2018						
TOP CHORD	2x4 SPF N	No.2			al Residential Cod			and					
BOT CHORD	2x4 SPF N			R802.10.2	and referenced st	andard AN	ISI/TPI 1.						
WEBS	2x4 SPF 2	400F 2.0E	1	LOAD CASE(S	) Standard								
BRACING					-								
TOP CHORD	Structural	wood she	athing directly appli	ed or									
			cept end verticals.										
BOT CHORD	0	ng directly	applied or 10-0-0 o	C									
	bracing.												
REACTIONS	(size)	4= Mecha 8=0-3-8	anical, 5= Mechanica	al,									
	Max Horiz		4)										
				-119									
	max opint	(LC 4)	0), 0= 0 (20 0), 0=	110									
	Max Grav		C 1), 5=63 (LC 3), 8	=368									
		(LC 1)											
FORCES	(lb) - Maxi	mum Com	pression/Maximum										
	Tension												
TOP CHORD													
DOT OUODO	3-4=-19/3			10									
BOT CHORD	7-8=-32/5	2, 6-7=0/4	4, 3-6=-9/53, 5-6=0/	/0									
NOTES													
<ol> <li>Wind: ASC</li> </ol>	CE 7-16; Vul	t=115mph	(3-second gust)										

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 119 lb uplift at joint 8, 41 lb uplift at joint 4 and 6 lb uplift at joint 5.



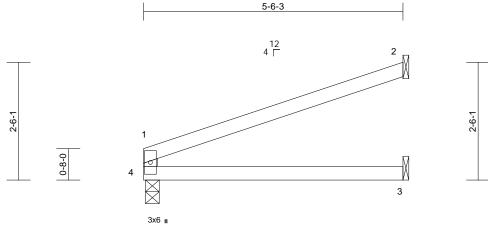
Page: 1

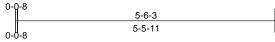
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J31	Jack-Open	1	1	Job Reference (optional)	164360279

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:18 ID:460pJgATn6f5Qv\_RYxRc1fz4SeV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





Scale = 1:24.5

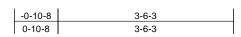
Loading         (psf)           TCLL (roof)         25.0           TCDL         10.0           BCLL         0.0*           BCDL         10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	<b>CSI</b> TC BC WB Matrix-R	0.46 0.27 0.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.04 -0.08 0.03 0.04	(loc) 3-4 3-4 2 3-4	l/defl >999 >764 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 13 lb	<b>GRIP</b> 197/144 FT = 10%
5-6-3 oc purlins, ex BOT CHORD Rigid ceiling directly bracing.	applied or 10-0-0 oc anical, 3= Mechanica 8) 2 8), 4=-27 (LC 4)	; I,	Standard								
<ul> <li>(LC 1)</li> <li>FORCES (Ib) - Maximum Com Tension</li> <li>TOP CHORD 1-4=-201/75, 1-2=-7</li> <li>BOT CHORD 3-4=0/0</li> <li>NOTES</li> <li>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</li> <li>2) This truss has been designed fo chord live load nonconcurrent w</li> <li>3) * This truss has been designed fo chord live load nonconcurrent w</li> <li>3) * This truss has been designed fo chord live load nonconcurrent w</li> <li>3) * This truss has been designed fo chord live load nonconcurrent w</li> <li>3) * This truss has been designed fo chord and any other members.</li> <li>4) All bearings are assumed to be 3:</li> <li>5) Refer to girder(s) for truss to tru</li> <li>6) Provide mechanical connection bearing plate capable of withstat 4 and 77 lb uplift at joint 2.</li> <li>7) This truss is designed in accorda International Residential Code s R802.10.2 and referenced stance</li> </ul>	(3-second gust) DL=6.0psf; h=25ft; C tivelope) exterior zon ; end vertical left and 0 plate grip DOL=1.6 r a 10.0 psf bottom th any other live load or a live load of 20.0 where a rectangle fit between the botto SPF No.2 . ss connections. (by others) of truss to adding 27 lb uplift at jo ance with the 2018 ections R502.11.1 at	e; d 50 ds. psf m 0							D	PE-2022	BEIC 042259

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

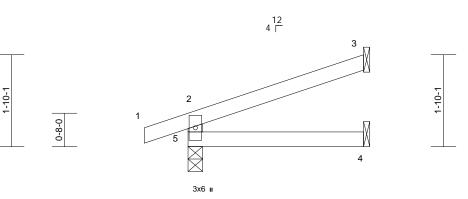


Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J32	Jack-Open	1	1	Job Reference (optional)	164360280

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:18 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1



3-6-3

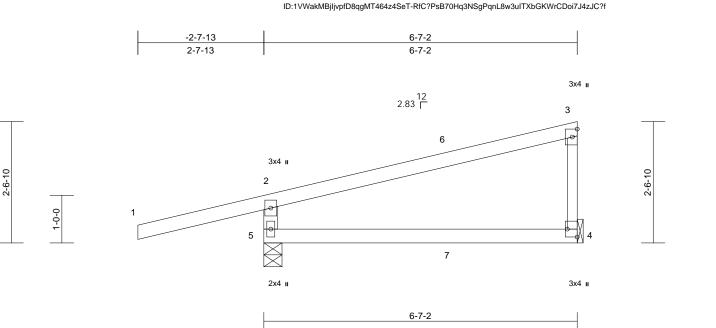
Scale =	1.23.1

		i	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	0.15	Vert(LL)	-0.01	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.01	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		<b>FT</b> 400/
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 10 lb	FT = 10%
LUMBER			LOAD CASE(S)	Standard								
TOP CHORD												
BOT CHORD												
WEBS	2x4 SPF No.2											
BRACING TOP CHORD	Structural wood she	athing directly appli	ed or									
TOP CHORD Structural wood sheathing directly applied or 3-6-3 oc purlins, except end verticals.												
BOT CHORD			с									
	bracing.											
REACTIONS		anical, 4= Mechanic	al,									
	5=0-3-8 Max Horiz 5=57 (LC	(4)										
	Max Uplift 3=-48 (LC	,										
	Max Grav 3=100 (LC	,, , ,	=231									
	(LC 1)											
FORCES	(lb) - Maximum Com	npression/Maximum										
TOP CHORD	Tension 2-5=-203/92, 1-2=0/	/23 2-3=-45/24										
BOT CHORD	,	20, 2 0 - 10/21										
NOTES												
1) Wind: AS	CE 7-16; Vult=115mph	n (3-second gust)										
	mph; TCDL=6.0psf; BC											
	Enclosed; MWFRS (er											
	r left and right exposed osed; Lumber DOL=1.6										000	ADD
	s has been designed fo		00								8 OF I	MISSO
	e load nonconcurrent w		ds.								TATE OF I	10.0°
,	ss has been designed f		Opsf							A	NATHA	
	ttom chord in all areas									A		
	all by 2-00-00 wide will d any other members.	TIT between the bott	om							n	FO	
	igs are assumed to be	SPF No.2.								an	HI.	THY
	girder(s) for truss to tru									WL	A hand	1 And
	nechanical connection									1		BER
	late capable of withsta	nding 64 lb uplift at j	oint							N.	PE-2022	042259
	Ib uplift at joint 3. s is designed in accorda	ance with the 2018								Y	N. P.	154
	nal Residential Code s		ind							C.	SIONA	LENA
	2 and referenced stand										AUTA A	L'AND
											March	21,2024

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

RELEASE ICROMETRUCTION AS NOTED ON LANS REVIEW DEVELORMENT SERVICES LEE'S SUMMIT'S MISSOURI 07/11/2024 11:09:07

Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J33	Diagonal Hip Girder	2	1	Job Reference (optional)	164360281



Run; 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:18

Scale = 1:24.2

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

Loading (psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 25.0	Plate Grip DOL	1.15	тс	0.63	Vert(LL)	-0.06	4-5	>999	360	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.12	4-5	>613	240		
3CLL 0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
3CDL 10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	-0.02	4-5	>999	240	Weight: 21 lb	FT = 10%
BRACING TOP CHORD Structural wood she 6-0-0 oc purlins, ex BOT CHORD Rigid ceiling directly bracing.	applied or 10-0-0 oc inical, 5=0-4-9 C 5) S 8), 5=-190 (LC 4) C 1), 5=517 (LC 1)	d or (s) is the res (c) CAAP (c)	oof Live (balance ase=1.15	rt concentra 4, and 70 lb and 9 lb dov l lb up at 3- o of such co hers. con, loads ap nt (F) or bac d): Lumber	ted load(s) 7 down and 3 vn and 9 lb u 10-4 on bott nnection dev oplied to the ck (B).	32 lb up at tom vice face					

Vert: 7=19 (F=9, B=9)

 FORCES
 (lb) - Maximum Compression/Maximum Tension

 TOP CHORD
 2-5=-463/230, 1-2=0/45, 2-3=-130/16,

# NOTES

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

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

- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 190 lb uplift at joint 5 and 46 lb uplift at joint 4.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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



Page: 1

#### RELEASE OR TRUCTION AS NOTED ON LANS REVIEW DEVELON LANS REVIEW DEVELON DEVELO

Job	Truss Type Qty Ply L		Lot 173 HM			
B240133	J34	Jack-Open	3	1	Job Reference (optional)	164360282

# Run: 8 73 S Feb 22 2024 Print: 8 730 S Feb 22 2024 MiTek Industries Inc. Wed Mar 20 09:09:18 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f -1-10-8 4-9-0 1-10-8 4-9-0 12 4 Г 3 2x4 II 2-7-0 2 --0 5 4

2x4 II

Matrix-R

LOAD CASE(S) Standard

				4-9-0								
Scale = 1:23.4									I			
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.02	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.04	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	3	n/a	n/a		

Wind(LL)

0.01

4-5 >999 240 Weight: 14 lb

FT = 10%

LUMBER		
TOP CHORD	2x4 SPF I	No 2
BOT CHORD		
WEBS	2x4 SPF I	No.2
BRACING		
TOP CHORD	Structura	I wood sheathing directly applied or
	4-9-0 oc r	ourlins, except end verticals.
BOT CHORD		ing directly applied or 10-0-0 oc
BOT ONORD	bracing.	
	0	
REACTIONS	(size)	3= Mechanical, 4= Mechanical,
		5=0-3-8
	Max Horiz	5=86 (LC 4)
	Max Uplift	3=-65 (LC 8), 5=-120 (LC 4)
	Max Grav	3=129 (LC 1), 4=83 (LC 3), 5=377
		(LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
		156 1 2-0/45 2 2-62/21

10.0

Code

IRC2018/TPI2014

2-7-0

## TOP CHORD 2-5=-331/156, 1-2=0/45, 2-3=-63/31 4-5=0/0

BOT CHORD

# NOTES

BCDL

- Wind: ASCE 7-16; Vult=115mph (3-second gust) 1) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. \* This truss has been designed for a live load of 20.0psf
- 3) on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SPF No.2 4)
- 5) Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to 6)
- bearing plate capable of withstanding 120 lb uplift at joint 5 and 65 lb uplift at joint 3.
- This truss is designed in accordance with the 2018 7) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



Page: 1

 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
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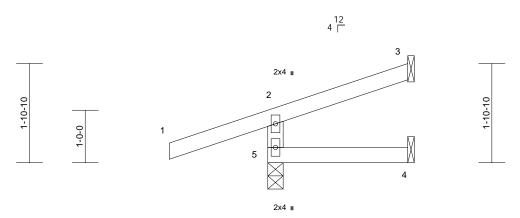


Job	Truss Truss Type		Qty	Ply	Lot 173 HM	
B240133	J35	Jack-Open	4	1	Job Reference (optional)	164360283

# Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:18 ID:8kG3u?8DFUPNAbq2RWO8yEz4SeX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







						2-7-15						
Scale = 1:21.9												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	тс	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 9 lb	FT = 10%

DODL		10.0	0000		2010/11/2011	Maanx T	11110(1
LUMBER					LOAD CASE(S)	Standard	
TOP CHORE	2x4 SPF	No.2			(-)		
BOT CHORE							
WEBS	2x4 SPF	No.2					
BRACING							
TOP CHORE	D Structura	I wood she	athing directly ap	oplied or			
			xcept end vertica				
BOT CHORI	D Rigid ceil bracing.	ing directly	applied or 10-0-	0 oc			
REACTIONS	<b>S</b> (size)	3= Mecha 5=0-3-8	inical, 4= Mecha	nical,			
	Max Horiz	5=58 (LC	4)				
			8), 5=-121 (LC				
	Max Grav	3=43 (LC (LC 1)	1), 4=41 (LC 3),	5=310			
FORCES	(lb) - Max Tension	timum Com	pression/Maxim	um			
TOP CHORE		/137. 1-2=0	)/45, 2-3=-41/8				
BOT CHORE		- /	,				
NOTES							
	SCE 7-16 <sup>.</sup> Vu	lt=115mph	(3-second gust)				
			DL=6.0psf; h=25				
			velope) exterior				
cantileve	er left and righ	nt exposed	; end vertical left	t and			
			0 plate grip DOL				
			r a 10.0 psf botto				
			th any other live				
			or a live load of 2 where a rectang				
			fit between the b				
	id any other r			ottonn			
	ngs are assur		SPF No.2 .				
5) Refer to	girder(s) for	truss to tru	ss connections.				
			(by others) of tru				
			nding 121 lb uplif	t at joint			
	) lb uplift at jo						
			ance with the 20				
	onal Residen	tial Code si	ections R502.11	1 and			
		nood stand	ard ANSI/TPI 1.				



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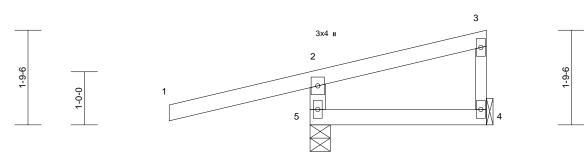
Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J36	Diagonal Hip Girder	1	1	Job Reference (optional)	164360284

# Run: 8 73 S Feb 22 2024 Print: 8 730 S Feb 22 2024 MiTek Industries Inc. Wed Mar 20 09:09:18 ID:iYnn2sU?e8DQ7E\_XAKwKMpz\_kTB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f









3-3-14

2x4 🛛

2x4 II

Scale = 1:21.7								(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	0.63	Vert(LL)	0.00	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	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 12 lb	FT = 10%

2x4 I

LU

- TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x4 SPF No.2 \*Except\* 3-4:2x3 SPF No.2 WEBS BRACING TOP CHORD Structural wood sheathing directly applied or 3-3-14 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. **REACTIONS** (size) 4= Mechanical, 5=0-4-9 Max Horiz 5=72 (LC 5) Max Uplift 4=-9 (LC 5), 5=-192 (LC 4)
- Max Grav 4=67 (LC 3), 5=423 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-372/200, 1-2=0/45, 2-3=-36/25, 3-4=-39/24

BOT CHORD 4-5=-31/34

NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom 2) chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2 .
- Refer to girder(s) for truss to truss connections. 5)
- Provide mechanical connection (by others) of truss to 6) bearing plate capable of withstanding 192 lb uplift at joint 5 and 9 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 7) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



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



Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J37	Jack-Open	2	1	Job Reference (optional)	164360285

1-9-12

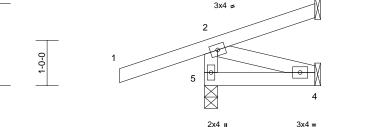
# Run; 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:18 ID:AkL9FCVdPSLHkOZjk2RZv0z\_kTA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



12 4 □



Page: 1



3x4 =



Scale = 1:25.4

		1		1		· · · · ·					· · · · · · · · · · · · · · · · · · ·	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 11 lb	FT = 10%
LUMBER			7) This truss i	s designed in acco	ordance w	ith the 2018						
TOP CHORD	2x4 SPF No.2			al Residential Cod			and					
BOT CHORD	2x4 SPF No.2		R802.10.2	and referenced sta	andard AN	NSI/TPI 1.						
WEBS	2x4 SPF No.2		LOAD CASE(S	) Standard								
BRACING												
TOP CHORD	Structural wood she	athing directly applied	d or									
	2-5-4 oc purlins, ex	cept end verticals.										
BOT CHORD		applied or 10-0-0 oc										
	bracing.											
REACTIONS	(size) 3= Mecha 5=0-3-8	anical, 4= Mechanical	,									
	Max Horiz 5=54 (LC	(1)										
	Max Uplift 3=-13 (LC	,	123									
	(LC 4)	0 0), += 0 (EO +), 0= 1	120									
	Max Grav 3=14 (LC	18), 4=46 (LC 3), 5=3	307									
	(LC 1)											
FORCES	(lb) - Maximum Corr	npression/Maximum										
	Tension											
TOP CHORD	2-5=-284/137, 1-2=0	0/45, 2-3=-45/1										
BOT CHORD	4-5=-61/8											
WEBS	2-4=-8/64											
NOTES												
1) Mind ACC	C 7 16: Vult 115mph	(2 accord quat)										

- Wind: ASCE 7-16; Vult=115mph (3-second gust) 1) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. \* This truss has been designed for a live load of 20.0psf
- 3) on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SPF No.2 4)
- Refer to girder(s) for truss to truss connections. 5)
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 5, 13 lb uplift at joint 3 and 6 lb uplift at joint 4.

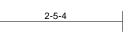


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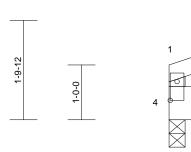


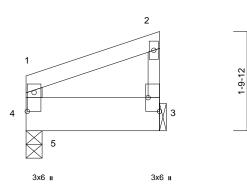
Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J38	Jack-Closed Girder	1	1	Job Reference (optional)	164360286

Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:18 ID:AkL9FCVdPSLHkOZjk2RZv0z\_kTA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1









Scale = 1:21

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

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-R	0.06 0.08 0.00	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in 0.00 0.00 0.00 0.00	(loc) 3-4 3-4 3 3-4	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	<b>PLATES</b> MT20 Weight: 11 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x8 SP 2400F 2.0E 2x4 SPF No.2 *Exce Structural wood shei 2-5-4 oc purlins, exc Rigid ceiling directly bracing.	athing directly applie cept end verticals. applied or 10-0-0 oc anical, 4=0-3-8 7) 2 8), 4=-161 (LC 4) C 1), 4=1103 (LC 1)	dor 9)	provided suf lb down and design/selec responsibility In the LOAD of the truss a <b>DAD CASE(S)</b> Dead + Ro Plate Incre- Uniform Lo Vert: 1-2 Concentrat	CASE(S) section are noted as front Standard of Live (balanced) ase=1.15	concentra 0 on botto ection de n, loads ap (F) or ba	ated load(s) 1 om chord. The vice(s) is the oplied to the ck (B).	he face					
Vasd=91r II; Exp C;		(3-second gust) DL=6.0psf; h=25ft; C tvelope) exterior zon	e;										

right exposed; Lumber DOL=1.60 plate grip DOL=1.60 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) Bearings are assumed to be: Joint 4 SP 2400F 2.0E , Joint 3 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 161 lb uplift at joint 4 and 50 lb uplift at joint 3.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

PE-2022042259

March 21,2024



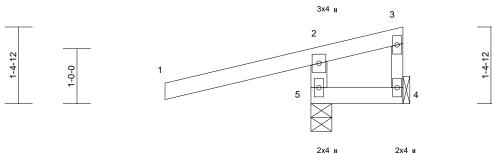


Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J39	Diagonal Hip Girder	1	1	Job Reference (optional)	164360287

# Run: 8 73 S Feb 22 2024 Print: 8 730 S Feb 22 2024 MiTek Industries Inc. Wed Mar 20 09:09:19 ID:AkL9FCVdPSLHkOZjk2RZv0z\_kTA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







2x4 II

1-8-1

S

Scale = 1:20.9												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	4-5	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 8 lb	FT = 10%

LUMBER

- TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x4 SPF No.2 \*Except\* 3-4:2x3 SPF No.2 WEBS BRACING TOP CHORD Structural wood sheathing directly applied or 1-8-1 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. REACTIONS (size) 4= Mechanical, 5=0-4-9 Max Horiz 5=70 (LC 7) Max Uplift 4=-129 (LC 1), 5=-241 (LC 4) Max Grav 4=98 (LC 4), 5=452 (LC 1)
- FORCES (Ib) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-397/229, 1-2=0/45, 2-3=-16/25, 3-4=-70/102 4-5=-49/40

BOT CHORD

NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SPF No.2
- Refer to girder(s) for truss to truss connections. 5)
- Provide mechanical connection (by others) of truss to 6) bearing plate capable of withstanding 241 lb uplift at joint 5 and 129 lb uplift at joint 4.
- This truss is designed in accordance with the 2018 7) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



Page: 1

 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	J40	Jack-Open	3	1	Job Reference (optional)	164360288

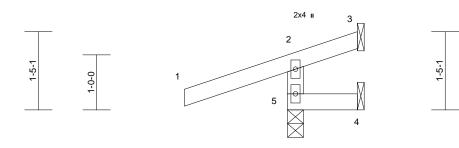
Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:19 ID:AkL9FCVdPSLHkOZjk2RZv0z\_kTA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





2x4 II

1-3-4



Scal	<u> </u>	1.21	

Scale = 1:21													
Loading	(r	psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	2	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	0.00	4-5	>999	360	MT20	197/144
TCDL	1	0.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	4-5	>999	240		
BCLL		0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	1	0.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.00	4-5	>999	240	Weight: 6 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	1-3-4 oc purlin	od sheans, exc	athing directly applie sept end verticals. applied or 10-0-0 oc	Internationa R802.10.2 LOAD CASE(S	s designed in acc al Residential Co and referenced s ) Standard	de sections	R502.11.1						
REACTIONS	•												
	Max Horiz 5=4	41 (LC	5)										
	Max Uplift 3=-{ (LC		1), 4=-21 (LC 1), 5=	-151									

Max Grav 3=33 (LC 4), 4=13 (LC 4), 5=320 (LC 1) FORCES (Ib) - Maximum Compression/Maximum Tension

 TOP CHORD
 2-5=-277/151, 1-2=0/45, 2-3=-43/10

 BOT CHORD
 4-5=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- This truss has been designed for a live load of 20.0psf 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.
- 6) Provide mechanical connection (by others) of truss to
- bearing plate capable of withstanding 151 lb uplift at joint 5, 21 lb uplift at joint 4 and 57 lb uplift at joint 3.



Page: 1



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Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	LAY2	Lay-In Gable	1	1	Job Reference (optional)	164360289

Run: 8,73 S Feb 22 2024 Print: 8,730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:19 ID:cwqR5L9r0oXEoIPF?DwNURz4SeW-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

19

ΤΙΟΝ **IEW** 

DEVELOPMENT SERVICES LEE'S' SUMMIT'S MISSOURI 07/11/2024 11:09:08

31-1-14 || 0-3-4 25-0-13 30-10-10 6-1-0 6-1-0 18-11-13 5-9-13 3x4 🎣 3x4 💊 \_\_\_\_14 ⊠\_\_\_\_\_ 6 ⊠ 5 7 ⊠ 10 ⊠ 12 ⊠ \_13 ⊠ 15 8 9 ⊠ 11 ⊠ Δ 16 17 3 6-1-9 6-5-4 1<u>2</u> 12.65 Г 18 2 0-0-4 \*\*\*\*\*\*  $\times$ 35 34 33 32 31 30 29 2827 26 25 24 23 22 21 20 3x4、 3x4= 3x4 и

31-1-14

Scale = 1:55.9

Plate Offsets (X, Y): [5:0-1-7,Edge], [15:0-1-7,Edge]

	(A, 1). [5.0-1	I-7,⊑uge],	[15.0-1-7,Euge]			-					-		-	
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 IRC2	018/TPI2014	CSI TC BC WB Matrix-S	0.05 0.03 0.09	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.01		- n/a - n/a	999 999	MT20	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF N 2x4 SPF N 6-0-0 oc pt 2-0-0 oc pt Rigid ceilin bracing. (size) Max Horiz Max Uplift	lo.2 lo.2 wood shea urlins, exco urlins, exco urlins (6-0 ng directly 1=31-1-14 20=31-1-1 22=31-1-1 24=31-1-1 23=31-1-1 33=31-1-1 33=31-1-1 33=31-1-1 33=31-1-1 33=31-1-1 20=-108 (LC 20=-108 (LC 22=-34 (L) 22=-34 (L) 23=-34 (L) 23=-	-0 max.): 5-15. applied or 10-0-0 or 4, 19=31-1-14, 14, 21=31-1-14, 14, 25=31-1-14, 14, 25=31-1-14, 14, 22=31-1-14, 14, 32=31-1-14, 14, 32=31-12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12,	9), 16), 22), 1, 22), 15),	WEBS NOTES 1) Unbalancee this design. 2) Wind: ASC Vasd=91m II; Exp C; E cantilever l right expos 3) Truss desi only. For s see Standa or consult c 4) Provide add 5) All plates a	(lb) - Maximum ( Tension 1-2=-244/160, 2 4-5=-69/81, 5-6- 0-11=-28/91, 1 13-14=-28/91, 1 13-14=-28/91, 1 13-14=-28/91, 1 16-17=-81/53, 1 18-19=-207/160, 3 33-34=-71/160, 3 33-34=-71/160, 2 9-28=-71/160, 2 2-23=-71/160, 2 2		3, 3-4=-106/9         7=-28/91,         10=-28/91,         11, 12-13=-28/         11, 12-13=-28/         11, 12-13=-28/         11, 12-13=-28/         11, 12-13=-28/         11, 12-13=-28/         11, 15-16=-69/         68,         60,         1161,         1162,         5,57,731=-142/         8,10-28=-140         055,5         5,57,73=-251;         02) exterior zon         reproduct left and         10,59;         10,50; <td>91, 82, 62, 0/58, 64 50 ss ile, 11.</td> <td>8) T cl 9) * 01 3 3 cl 10) A 11) P b 11 10) A 11) P b 11 11) P 20 21 212) T Ir R 13) G 0</td> <td>his truss hord live This trus n the bot -06-00 ta hord and Il bearing rovide m earing pl at joi 6, 33 lb u plift at joi 6, 33 lb u plift at joi 6, 33 lb u plift at joi 1 and 10 his truss hternatior 802.10.2 iraphical</td> <td>has be load no s has b tom chc Il by 2-( any oth s are a echanic ate cap lift at jo nt 34, 3 plift at j nt 29, 3 B lb upl is designal Resignant and re purlin r ntation ord.</td> <td>een designed for ord in all areas wh 00-00 wide will fit her members. assumed to be SP cal connection (by able of withstandi ionit 19, 109 lb upli 36 lb uplift at joint joint 31, 33 lb upli 36 lb uplift at joint 2 ift at joint 20. gned in accordand idential Code sect ferenced standare epresentation doe of the purlin along</td> <td>any other live loads. a live load of 20.0psf here a rectangle between the bottom F No.2. v others) of truss to ing 86 lb uplift at joint ff at joint 35, 143 lb 33, 31 lb uplift at joint ff at joint 30, 34 lb 28, 34 lb uplift at joint ff at joint 24, 31 lb 2, 146 lb uplift at joint the with the 2018 tions R502.11.1 and d ANSI/TP1 1. as not depict the size g the top and/or MISSOLUP NIEL X BER 042259 L ENGLISH</td>	91, 82, 62, 0/58, 64 50 ss ile, 11.	8) T cl 9) * 01 3 3 cl 10) A 11) P b 11 10) A 11) P b 11 11) P 20 21 212) T Ir R 13) G 0	his truss hord live This trus n the bot -06-00 ta hord and Il bearing rovide m earing pl at joi 6, 33 lb u plift at joi 6, 33 lb u plift at joi 6, 33 lb u plift at joi 1 and 10 his truss hternatior 802.10.2 iraphical	has be load no s has b tom chc Il by 2-( any oth s are a echanic ate cap lift at jo nt 34, 3 plift at j nt 29, 3 B lb upl is designal Resignant and re purlin r ntation ord.	een designed for ord in all areas wh 00-00 wide will fit her members. assumed to be SP cal connection (by able of withstandi ionit 19, 109 lb upli 36 lb uplift at joint joint 31, 33 lb upli 36 lb uplift at joint 2 ift at joint 20. gned in accordand idential Code sect ferenced standare epresentation doe of the purlin along	any other live loads. a live load of 20.0psf here a rectangle between the bottom F No.2. v others) of truss to ing 86 lb uplift at joint ff at joint 35, 143 lb 33, 31 lb uplift at joint ff at joint 30, 34 lb 28, 34 lb uplift at joint ff at joint 24, 31 lb 2, 146 lb uplift at joint the with the 2018 tions R502.11.1 and d ANSI/TP1 1. as not depict the size g the top and/or MISSOLUP NIEL X BER 042259 L ENGLISH
					6) Gable requ	iires continuous b	ottom chor	d bearing.					and	1 21,2024

Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. WARNING - Verify design parameters and KEAD KO LES ON THIS AND INCLUDED MILEK REFERENCE PAGE MIL-7473 rev. 17/2/2023 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	C	Qty	Ply	Lot 173 HM	
B240133	LAY2	Lay-In Gable	1	1	1	Job Reference (optional)	164360289
Wheeler Lumber, Waverly, KS -	66871,	Run: 8.7	3 S Feb 22 202	24 Print: 8.	730 S Feb 22	2 2024 MiTek Industries, Inc. Wed Mar 20 09:09:19	Page: 2

ID:cwqR5L9r0oXEoIPF?DwNURz4SeW-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

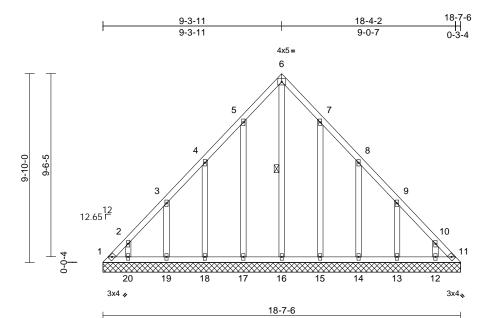
LOAD CASE(S) Standard

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



Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	LAY3	Lay-In Gable	2	1	Job Reference (optional)	164360290

# Run: 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:19 ID:cwqR5L9r0oXEoIPF?DwNURz4SeW-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



## Scale = 1:60

						1							1	
Loading	(	(psf)	Spacing	2-0-0	)	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	:	25.0	Plate Grip DOL	1.15		TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL		10.0	Lumber DOL	1.15		BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL		0.0*	Rep Stress Incr	YES		WB	0.16	Horiz(TL)	0.01	11	n/a	n/a		
BCDL		10.0	Code	IRC2	2018/TPI2014	Matrix-S							Weight: 98 lb	FT = 10%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SPF No.2 2x4 SPF No.2 2x4 SPF No.2 Structural wo 6-0-0 co purfi Rigid ceiling distance bracing. 1 Row at mid (size) 1= 13 16 (size) 1= 13 16 Max Horiz 1= Max Uplift 1= 12 14 17 Max Grav 1= 12 14 14 16	2 2 2 2 2 2 2 2 2 2 3 3 2 3 2 3 2 3 2 3	athing directly applied applied or 10-0-0 oc 6-16 , 11=18-7-6, 12=18-7 6, 14=18-7-6, 15=18- 6, 17=18-7-6, 18=18- 6, 20=18-7-6		<ul> <li>WEBS</li> <li>NOTES</li> <li>1) Unbalanced this design.</li> <li>2) Wind: ASCE Vasd=91mpl II; Exp C; En cantilever lef right expose</li> <li>3) Truss desig only. For stu see Standard or consult qu</li> <li>4) All plates are</li> <li>5) Gable requir</li> <li>6) Gable studs</li> <li>7) This truss has chord live los</li> <li>8) * This truss has on the bottoor 3-06-00 tall b</li> </ul>	6-16=-207/27, 5-1 4-18=-160/150, 3- 2-20=-137/123, 7- 8-14=-161/151, 9- 10-12=-138/124 roof live loads hav 7-16; Vult=115mp h; TCDL=6.0psf; E closed; MWFRS ( t and right exposed d; Lumber DOL=1 ned for wind loads uds exposed to wind d Industry Gable E ualified building de 2x4 MT20 unless es continuous bott spaced at 2-0-0 o is been designed ad nonconcurrent has been designed m chord in all area by 2-00-00 wide w hy other members.	19=-168 15=-171 13=-168 ve been of ph (3-sec 3CDL=6. (envelopped; envelopped d; end v. .60 plate s in the p nd (norm End Deta signer a: s otherwit tom choric. for a 10. with any differ a livit s where vill fit betw	(152, (146, (146, (152, (152, )) opsf; h=25ft; ( e) exterior zor vertical left an grip DOL=1.1 lane of the tru al to the face ills as applicat s per ANSI/TF se indicated. d bearing.	Cat. le; d 60 sss ), ble, PI 1. ds. ds.					
FORCES		=173 (l m Corr	pression/Maximum		9) All bearings	are assumed to be hanical connection	e SPF N		0			2	TATE OF	MISSO
TOP CHORD	1-2=-362/220 4-5=-139/128	8, 5-6=- 8-9=-12	264/186, 3-4=-165/13 113/192, 6-7=-88/17( 2/79, 9-10=-226/128,	D,	bearing plate 1, 98 lb uplift uplift at joint	e capable of withst t at joint 11, 124 lb 18, 127 lb uplift at lb uplift at joint 15	tanding 1 o uplift at t joint 19	40 lb uplift at joint 17, 126 , 106 lb uplift a	joint Ib at				S NATHA	THE AND
BOT CHORD	1-20=-108/23 18-19=-108/2 16-17=-108/2	83, 19-2 233, 17 233, 15 233, 13	-18=-108/233, -16=-108/233, -14=-108/233,		127 lb uplift 11) This truss is International	at joint 13 and 106 designed in accor Residential Code nd referenced star	6 lb uplift dance w sections	at joint 12. ith the 2018 8 R502.11.1 a				The second	PE-2022	B44 500

LOAD CASE(S) Standard

12-13=-108/233, 11-12=-108/233

PE-2022042259

Page: 1

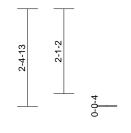
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

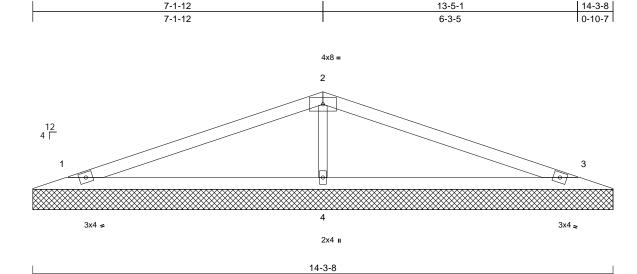


Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	V3	Valley	1	1	Job Reference (optional)	164360291

Run: 8,73 S Feb 22 2024 Print: 8,730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:19 ID:46OpJgATn6f5Qv\_RYxRc1fz4SeV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:28.4		I											I
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 YES		CSI TC BC WB	0.57 0.32 0.09	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	<b>GRIP</b> 197/144
BCDL	10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 33 lb	FT = 10%
	2x3 SPF No.2 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing.	applied or 10-0-0 or 3=14-3-8, 4=14-3-8 12) 2 4), 3=-58 (LC 9), 4= C 21), 3=253 (LC 22	<sup>C</sup> 10 58 L	on the botton 3-06-00 tall I chord and an ) All bearings ) Provide mec bearing plate 1, 58 lb uplif )) This truss is International	Residential C nd referenced	areas where le will fit betw pers. to be SPF No ction (by oth ithstanding 5 58 lb uplift a ccordance w ode sections	a rectangle veen the bott c.2. ers) of truss 4 lb uplift at t joint 4. ith the 2018 5 R502.11.1 a	iom to joint					
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD BOT CHORD WEBS	1-2=-102/59, 2-3=-1 1-4=-1/39, 3-4=-1/39 2-4=-450/133												
NOTES	2 1= 100/100												
<ol> <li>Unbalance this design</li> <li>Wind: ASC Vasd=91m II; Exp C; I</li> </ol>	ed roof live loads have n. CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er loft and right expaced	(3-second gust) DL=6.0psf; h=25ft; ( nvelope) exterior zor	Cat. ne;									OF I	MISSO

cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60 3) Truss designed for wind loads in the plane of the truss

only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. 4) Gable requires continuous bottom chord bearing.

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

6)

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



March 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 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)

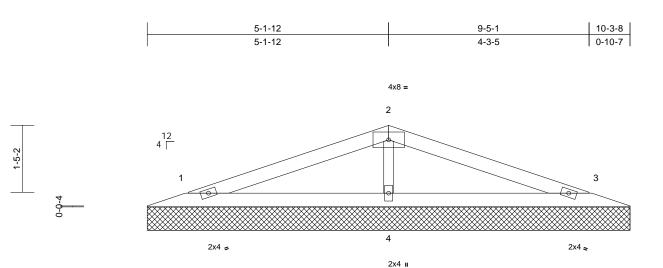


Job	Truss	Truss Type	Qty	Ply	Lot 173 HM	
B240133	V4	Valley	1	1	Job Reference (optional)	164360292

1-8-13

# Run; 8.73 S Feb 22 2024 Print: 8.730 S Feb 22 2024 MiTek Industries, Inc. Wed Mar 20 09:09:19 ID:46OpJgATn6f5Qv\_RYxRc1fz4SeV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

10-3-8



Scale - 1:24 6

Scale = 1:24.6			· .											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC20	18/TPI2014	CSI TC BC WB Matrix-S	0.25 0.15 0.06	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 23 lb	<b>GRIP</b> 197/144 FT = 10%	
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SPF No.2 2x3 SPF No.2 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing.	C 4), 3=-40 (LC 9), 4= C 21), 3=172 (LC 22)	ed or 5 =-40	on the botton 3-06-00 tall l chord and ai 3) All bearings OP Provide mec bearing plate 1, 40 lb uplif 10) This truss is International	Residential C nd referenced	areas where de will fit betw bers. to be SPF No ection (by oth ithstanding 3 40 lb uplift a ccordance w ode sections	a rectangle veen the both 0.2 . ers) of truss 7 lb uplift at t joint 4. ith the 2018 R502.11.1 a	tom to joint						
FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Unbalance	(lb) - Maximum Com Tension 1-2=-69/40, 2-3=-69 1-4=-1/26, 3-4=-1/26 2-4=-306/91 ed roof live loads have	/32 6	r											

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.

Gable requires continuous bottom chord bearing. 4) 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.

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Page: 1

March 21,2024

 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value 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 173 HM	
B240133	V5	Valley	1	1	Job Reference (optional)	164360293

3-1-12

3-1-12

Wheeler Lumber, Waverly, KS - 66871,

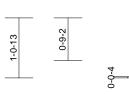
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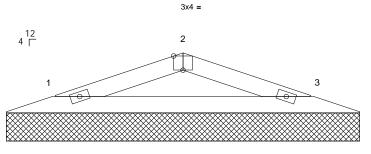


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5-5-1

2-3-5





6-3-8

2x4 🚽

2x4 🕿

6-3-8

0-10-7

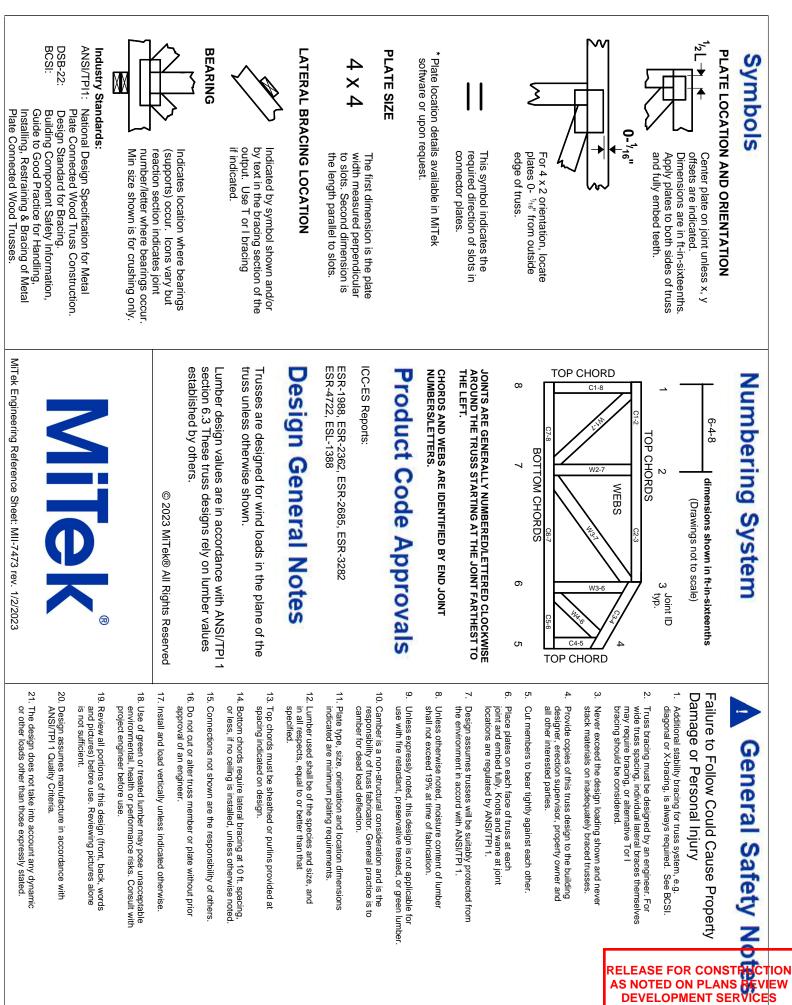
Scale = 1:20.5

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

Plate Offsets (X	, Y): [2:0-2-0,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	<b>CSI</b> TC BC WB Matrix-P	0.09 0.22 0.00	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 13 lb	<b>GRIP</b> 197/144 FT = 10%
LUMBER TOP CHORD BOT CHORD BRACING TOP CHORD BOT CHORD BOT CHORD REACTIONS ( N FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD NOTES 1) Unbalanced this design. 2) Wind: ASC Vasd=91mp II; Exp C; Ei cantilever le right expose 3) Truss desig only. For st see Standa or consult q 4) Gable requi 5) Gable studs 6) This truss h chord live le 7) * This truss on the botto 3-06-00 tall chord and a	2x4 SPF No.2 2x4 SPF No.2 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. size) 1=6-3-8, 3 Viax Horiz 1=-14 (LC Max Uplift 1=-30 (LC Max Grav 1=204 (LC (Ib) - Maximum Com Tension 1-2=-267/85, 2-3=-2 1-3=-66/234 d roof live loads have E 7-16; Vult=115mph bh; TCDL=6.0psf; BC nclosed; MWFRS (er aft and right exposed ed; Lumber DOL=1.6 gned for wind loads in tuds exposed to wind rd Industry Gable En jualified building designes cospaced at 2-0-0 oc. ias been designed for bas been designed for and nonconcurrent wi has been designed for machord in all areas by 2-00-00 wide will any other members. are assumed to be \$	athing directly applie applied or 10-0-0 or 3=6-3-8 2 13) 2 4), 3=-30 (LC 5) 2 1), 3=204 (LC 1) pression/Maximum 67/85 been considered fo (3-second gust) DL=6.0psf; h=25ft; ( nvelope) exterior zor ; end vertical left an 0 plate grip DOL=1.0 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 bottom	9) Provide r bearing p 1 and 30 10) This truss Internatic R802.10. c LOAD CASE r Cat. ne; d 60 iss ), ble, PI 1. ds. Opsf	nechanical connecti late capable of with Ib uplift at joint 3. s is designed in accord nal Residential Cod 2 and referenced st (S) Standard	standing 3 ordance w le sections	0 lb uplift at j ith the 2018 ; R502.11.1 a	oint				PE-2022	MISSOLANIEL DX 2042259







ASE FOR CONST OTED ON PLANS VELOPMENT SER LEE'S SUMMIT, MISSOURI 07/11/2024

11:09:08

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.

10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to

Plate type, size, orientation and location dimensions

Lumber used shall be of the species and size, and in all respects, equal to or better than that

Top chords must be sheathed or purlins provided at

. 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

19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone

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.