

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

RE: 2891235 - GIEBEIG - JOHNSON RES.

MiTek USA, Inc.

6904 Parke East Blvd. Tampa, FL 33610-4115

Site Information:

Customer Info: Giebeig Homes Project Name: Johnson Res. Model: Custom

Lot/Block: N/A

Address: TBD CR 252, N/A

City: Columbai Cty

Subdivision: N/A

State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name:

Address:

City:

State:

License #:

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

Design Code: FBC2020/TPI2014

Wind Code: ASCE 7-16

Roof Load: 37.0 psf

Design Program: MiTek 20/20 8.4

Wind Speed: 130 mph Floor Load: N/A psf

This package includes 13 individual, Truss Design Drawings and 0 Additional Drawings. With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1 2 3 4 5 6 7 8 9 10 11 12 13	T24934911 T24934912 T24934914 T24934916 T24934916 T24934917 T24934918 T24934919 T24934920 T24934921 T24934922 T24934923	T01 T01G T02 T02G T03 T03A T03G T04 T05 T06 T07 T08 T08G	8/6/21 8/6/21 8/6/21 8/6/21 8/6/21 8/6/21 8/6/21 8/6/21 8/6/21 8/6/21 8/6/21

ANTICE PROPERTY AND ADDRESS OF THE PARTY AND A Building for Code

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Lake City, FL.

Truss Design Engineer's Name: ORegan, Philip

My license renewal date for the state of Florida is February 28, 2023.

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



Philip J. O'Regan PE No.58126 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

August 6,2021

Job	Truss	Truss Type	Qty	Ply		GIEBEIG - JOHNSON RES.	
2891235	T01	Common	6		1		T2493491
						Job Reference (optional)	
Builders FirstSource	ce (Lake City,FL), Lake C	ity, FL - 32055,		8.430 s	Jun	2 2021 MiTek Industries, Inc. Thu Aug 5	09:13:38 2021 Page 1
			ID:yF_ocOw	a2BYMa3	bL'	YXStsysag2-V3RxzRTJe6U5r5jx1fC2C9s3	IdY8RfT3oVFYKNygxlh
-1-6-0		13-0-0		19-2-0		26-0-0	27-6-0
1-6-0	6-10-0	6-2-0	3.0	6-2-0		6-10-0	1-6-0

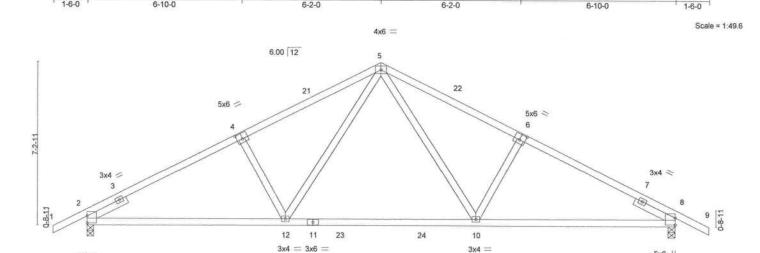


Plate Offsets (X,Y)	8-9-8 8-9-8 [4:0-3-0,0-3-0], [6:0-3-0,0-3		17-2-8 8-5-1		26-0-0 8-9-8				
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code FBC2020/TPI	2-0-0 1.25 1.25 NO	CSI. TC 0.74 BC 0.65 WB 0.33 Matrix-MS	(A)	n (loc) 5 10-12 4 10-12 7 8	l/defl >890 >485 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 128 lb	GRIP 244/190 FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 1-4,6-9: 2x4 SP M 31

5x6 ||

BOT CHORD 2x4 SP M 31 WEBS 2x4 SP No.3

SLIDER Left 2x4 SP No.3 1-11-8, Right 2x4 SP No.3 1-11-8

REACTIONS.

(size) 2=0-3-8, 8=0-3-8 Max Horz 2=-108(LC 13)

Max Uplift 2=-299(LC 12), 8=-299(LC 13) Max Grav 2=1339(LC 2), 8=1339(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD **BOT CHORD**

2-4=-2113/525, 4-5=-2006/546, 5-6=-2006/546, 6-8=-2113/525

2-12=-424/1855, 10-12=-211/1312, 8-10=-383/1830

WEBS

5-10=-236/874, 6-10=-265/197, 5-12=-236/874, 4-12=-265/197

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl. GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 13-0-0, Exterior(2R) 13-0-0 to 16-0-0, Interior(1) 16-0-0 to 27-6-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate arip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=299, 8=299,
- 7) 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=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-5=-54, 5-9=-54, 12-13=-20, 10-12=-80(F=-60), 10-17=-20



5x6 ||

Structural wood sheathing directly applied or 3-1-15 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

Philip J. O'Regan PE No.58126 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

August 6,2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters show, 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, DSB-89 and BCSI Building Collaboration

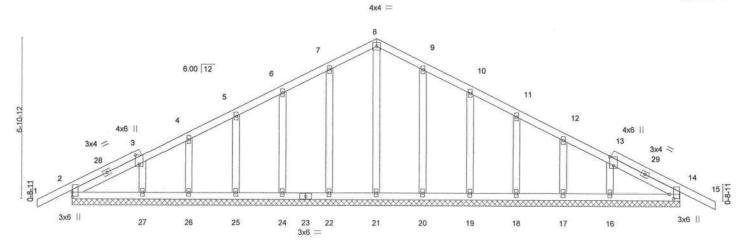
Safety Information

**available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601 ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



Job	Truss	Truss Type	Qty	Ply	GIEBEIG - JOHNSON RES.	000 See 150 NV AND
2891235	T01G	Common Supported Gable	1	1		T24934912
		550			Job Reference (optional)	
Builders FirstSource	e (Lake City,FL), Lake	City, FL - 32055,		8.430 s J	un 2 2021 MiTek Industries, Inc. Thu Aug 5	09:13:40 2021 Page 1
			ID:yF_ocOwa	2BYMa3_bL	YXStsysag2-SRZiO7VZAjko4PsJ84FWHaxZS	SRNxvdjMFpkfPGyqxlf
-1-6-0	1	13-0-0	1		26-0-0	, 27-6-0
1-6-0	1	13-0-0			13-0-0	1-6-0

Scale: 1/4"=1"



	-					26-0-0 26-0-0						
Plate Offs	ets (X,Y)	[2:0-2-4,0-0-3], [3:0-4-10,	0-2-0], [13:0-4	-10,0-2-0], [1	4:0-2-4,0-2-							
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00	15	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.01	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TI	PI2014	Matri	x-S						Weight: 156 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 OTHERS 2x4 SP No.3 BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 26-0-0.

(lb) - Max Horz 2=103(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 22, 24, 25, 26, 27, 20, 19, 18, 17, 16

Max Grav All reactions 250 lb or less at joint(s) 2, 14, 21, 22, 24, 25, 26, 27, 20, 19, 18, 17, 16

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 13-0-0, Corner(3R) 13-0-0 to 16-0-0, Exterior(2N) 16-0-0 to 27-6-0 zone; C-C for members and forces & MWFRS for reactions shown; 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 22, 24, 25, 26, 27, 20, 19, 18, 17, 16.



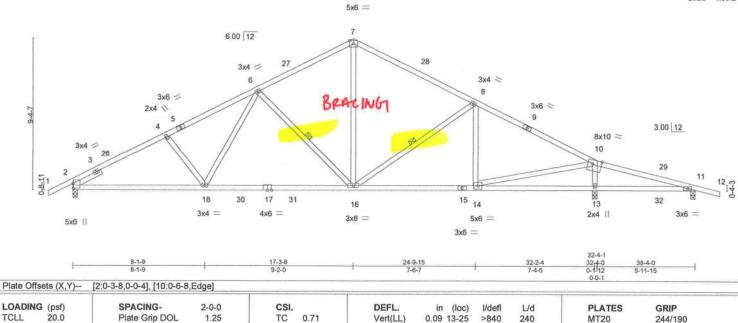
Philip J. O'Regan PE No.58126 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

August 6,2021



Job	Truss	Truss Type	ki	Qty	Ply	GIEBEIG - JOHNSON RES.	+	
2891235	T02	Roof Speci	al	7	1			T24934913
						Job Reference (optional)		
Builders FirstSource (L	ake City,FL), La	ke City, FL - 32055,		ID:yF_ocOwa		in 2 2021 MiTek Industries, Inc. The YXStsysag2-OqhSopWpiL_WJi0iG		
1-1-6-0	5-9-8	11-4-14	17-3-8	24-9-15		32-4-0	38-4-0	39-10-0
1-6-0	5-9-8	5-7-6	5-10-11	7-6-7		7-6-1	6-0-0	1-6-0

Scale = 1:69.2



Vert(CT)

Horz(CT)

BRACING-

WEBS

TOP CHORD

BOT CHORD

-0.52 16-18

0.06

>748

1 Row at midpt

n/a

180

n/a

Rigid ceiling directly applied or 2-2-0 oc bracing.

Structural wood sheathing directly applied or 2-8-6 oc purlins.

6-16, 8-16

LUMBER-

TCDI

BCLL

BCDL

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 WEBS 2x4 SP No.3

7.0

0.0

10.0

SLIDER Left 2x4 SP No.3 1-11-8

REACTIONS.

(size) 2=0-3-8, 13=0-3-8, 11=0-3-8

Lumber DOL

Rep Stress Incr

Code FBC2020/TPI2014

Max Horz 2=142(LC 16)

Max Uplift 2=-283(LC 12), 13=-302(LC 13), 11=-177(LC 9) Max Grav 2=1355(LC 2), 13=1613(LC 2), 11=274(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

1.25

YES

BC

WB

Matrix-MS

0.93

0.62

TOP CHORD 2-4=-2125/529, 4-6=-2010/527, 6-7=-1361/442, 7-8=-1382/437, 8-10=-1615/423

BOT CHORD

2-18=-426/1853, 16-18=-298/1554, 14-16=-245/1387

WEBS

6-18=-77/483, 6-16=-574/254, 7-16=-213/898, 8-16=-364/213, 10-14=-290/1632,

10-13=-1333/408

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-4-0, Interior(1) 2-4-0 to 17-3-8, Exterior(2R) 17-3-8 to 21-1-8, Interior(1) 21-1-8 to 39-10-0 zone; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads,
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 2=283, 13=302, 11=177.



Weight: 202 lb

FT = 20%

Philip J. O'Regan PE No.58126 MITek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

August 6,2021

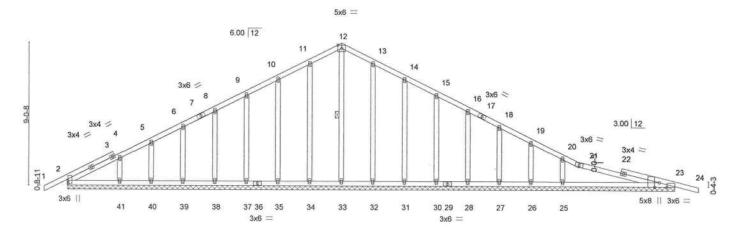
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and 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

ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	GIEBEIG - JOHNSON RES.		
2891235	T02G	GABLE	1	1			T24934914
					Job Reference (optional)		
Builders FirstSour	rce (Lake City,FL), Lake	City, FL - 32055,			un 2 2021 MiTek Industries, Inc. Thu		
			ID:yF_ocOwa	2BYMa3_b	LYXStsysag2-knULsWayWtdpQUvf22	t932kfoGhi2njOsPv	wX8MyqxlY
	-1-6-0,	17-3-8			32-4-0	38-4-0	39-10-0
	1-6-0	17-3-8			15-0-8	6-0-0	1-6-0

Scale = 1:71.0



						38-4-0						-
Plate Offs	sets (X,Y)	[2:0-2-4,0-0-3], [23:0-5-12	2,Edge], [23:0-	3-8,Edge]		00-4-0						
OADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defi	L/d	PLATES	GRIP
CLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.02	24	n/r	120	MT20	244/190
CDL	7.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	0.04	24	n/r	120	(0.0010.000)	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	23	n/a	n/a		
BCDL	10.0	Code FBC2020/TF	PI2014	Matrix	k-S						Weight: 240 lb	FT = 20%

BRACING-TOP CHORD BOT CHORD WEBS

Structural wood sheathing directly applied or 10-0-0 oc purlins. Rigid ceiling directly applied or 6-0-0 oc bracing.

1 Row at midpt 12-33

REACTIONS. All bearings 38-4-0.

(lb) - Max Horz 2=135(LC 16)

Max Uplift All uplift 100 lb or less at joint(s) 2, 34, 35, 37, 38, 39, 40, 41, 32, 31, 30, 28, 27, 26 except

23=-111(LC 9), 25=-114(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 2, 33, 34, 35, 37, 38, 39, 40, 41, 32, 31, 30, 28, 27, 26 except 23=285(LC 1), 25=496(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

WEBS 20-25=-331/149

NOTES

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 2-4-0, Exterior(2N) 2-4-0 to 17-3-8, Corner(3R) 17-3-8 to 21-3-8, Exterior(2N) 21-3-8 to 39-10-0 zone; C-C for members and forces & MWFRS for reactions shown; 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 34, 35, 37, 38, 39, 40, 41, 32, 31, 30, 28, 27, 26 except (jt=lb) 23=111, 25=114.



Philip J. O'Regan PE No.58126 MITek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

August 6,2021

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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 a truss system. Before use, the building designer must verify the applicability of design parameters 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

ANSITPH Quality Criteria, DSB-99 and BCSI Building Component Safety Information.

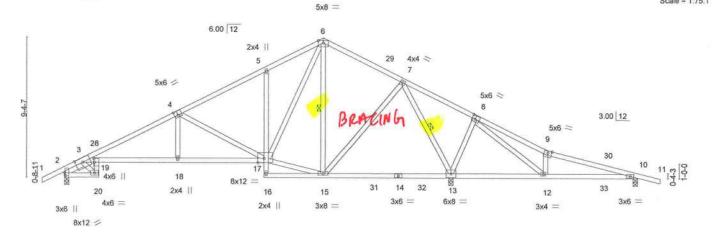
available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	GIEBEIG - JOHNSON RES.	
2891235	T03	Roof Special	3	1		T24934915
					Job Reference (optional)	
Builders FirstSource	ce (Lake City,FL), Lake	City, FL - 32055,			n 2 2021 MiTek Industries, Inc. Thu Aug 5 09:1	



Scale = 1:75.1



		2-3-8	7-7-0	13	-4-0	17-3-8	25-1	0-4			32-4-0	38-4-0	7
		2-3-8	5-3-8	5-	9-0	3-11-8	8-6	12			6-5-12	6-0-0	
Plate Offse	ets (X,Y)	[2:0-2-4,0-0-6]	. [3:0-5-12	,0-3-6], [4:0-2-	12,0-3-4], [8:0)-2-8,0-3-0], [17:0-4-15,0-3-7],	[19:0-3-	0,0-0-8				
LOADING	(psf)	SPACIN	NG-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate G	rip DOL	1.25	TC	0.83	Vert(LL)	-0.29	18-19	>999	240	MT20	244/190
TCDL	7.0	Lumber	DOL	1.25	BC	0.97	Vert(CT)	-0.51	18-19	>604	180		
BCLL	0.0 *	Rep Str	ess Incr	YES	WB	0.76	Horz(CT)	0.22	13	n/a	n/a		
BCDL	10.0	Code F	BC2020/T	PI2014	Matri	k-MS						Weight: 225 lb	FT = 20%

BRACING-

WEBS

TOP CHORD

BOT CHORD

1 Row at midpt

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except*

19-20,5-16: 2x4 SP No.3, 3-17: 2x4 SP M 31

2x4 SP No.3 WEBS

SLIDER Left 2x4 SP No.3 1-4-4

REACTIONS. (size) 2=0-3-8, 13=0-3-8, 10=0-3-8

Max Horz 2=142(LC 16)

1-0-0

Max Uplift 2=-210(LC 12), 13=-345(LC 13), 10=-184(LC 9) Max Grav 2=913(LC 2), 13=2143(LC 2), 10=285(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 3-22=-460/68, 3-4=-1631/370, 4-5=-821/208, 5-6=-781/294, 6-7=-413/164, TOP CHORD

7-8=-515/1167, 8-9=-216/732, 9-10=-230/643

BOT CHORD 2-20=-287/917, 19-20=-337/1146, 3-19=-339/1476, 18-19=-370/1530, 17-18=-371/1538,

13-15=-218/348, 12-13=-876/505, 10-12=-589/240

WEBS

3-20=-1295/396, 4-18=-26/433, 4-17=-894/299, 15-17=0/381, 6-17=-288/831, 6-15=-481/192, 7-15=-237/839, 7-13=-1730/650, 8-13=-387/351, 8-12=-887/634,

9-12=-261/217

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl. GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-4-0, Interior(1) 2-4-0 to 17-3-8, Exterior(2R) 17-3-8 to 21-1-8, Interior(1) 21-1-8 to 39-10-0 zone; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=210, 13=345, 10=184



Structural wood sheathing directly applied or 2-2-0 oc purlins. Rigid ceiling directly applied or 2-2-0 oc bracing.

6-15, 7-13

Philip J. O'Regan PE No.58126 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

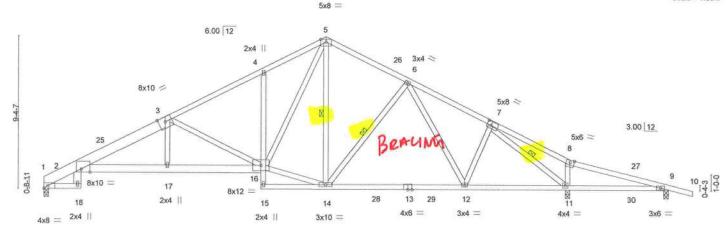
August 6,2021

🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MTE-k80 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, DSB-39 and BCSI Building Co. Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601 ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



Job	Truss	Truss Type	1		Qty	Ply	GIEBEIG - JOHNSON RES.		
2891235	T03A	Roof Special			1	1			T24934916
							Job Reference (optional)		
Builders FirstSource (Lake	City,FL), Lak	ke City, FL - 32055,				8.430 s Ju	n 2 2021 MiTek Industries, Inc.	Thu Aug 5 09:13:5	4 2021 Page 1
				ID:yF	ocOwa	2BYMa3_bL	YXStsysag2-18P_KvgLt1VplZx0;	z0VorXXs64wXBnv	QT 7PuSyaxiR
-1-6-0 1-3-8 2-3-8	7-7-0	13-4-0	17-3-8	22-3-7		27-5-3	32-4-0	38-4-0	39-10-0
1-6-0 1-3-8 1-0-0	5-3-8	5-9-0	3-11-8	4-11-15	13	5-1-12	4-10-13	6-0-0	1-6-0





	7-7-0	13-4-0	17-3-8	25-10-4	32-4-0	38-4-0
2-3-8	5-3-8	5-9-0	3-11-8	8-6-12	6-5-12	6-0-0
sets (X,Y)	[2:0-6-7,Edge], [7:0-3-0,0	-3-0]				
G (psf)	SPACING-	2-0-0	CSI.	DEFL. in (loc)	I/defl L/d	PLATES GRIP
20.0	Plate Grip DOL	1.25	TC 0.49	Vert(LL) -0.27 12-14	>999 240	MT20 244/190
7.0	Lumber DOL	1.25	BC 1.00	Vert(CT) -0.47 12-14	>827 180	
0.0 *	Rep Stress Incr	YES	WB 0.81	Horz(CT) 0.23 11	n/a n/a	
10.0	Code FBC2020/T	PI2014	Matrix-MS	THE RESULT OF SERVICE SERVICES	DEED MAN	Weight: 242 lb FT = 20%
	2-3-8 sets (X,Y) G (psf) 20.0 7.0 0.0 *	2-3-8 5-3-8 sets (X,Y) [2:0-6-7,Edge], [7:0-3-0,0 G (psf) SPACING- 20.0 Plate Grip DOL 7.0 Lumber DOL 0.0 * Rep Stress Incr	2-3-8 5-3-8 5-9-0 sets (X,Y) [2:0-6-7,Edge], [7:0-3-0,0-3-0] G (psf) SPACING- 2-0-0 20.0 Plate Grip DOL 1.25 7.0 Lumber DOL 1.25 0.0 * Rep Stress Incr YES	sets (X,Y) [2:0-6-7,Edge], [7:0-3-0,0-3-0] G (psf) SPACING- 2-0-0 CSI. 20.0 Plate Grip DOL 1.25 TC 0.49 7.0 Lumber DOL 1.25 BC 1.00 0.0 * Rep Stress Incr YES WB 0.81	2-3-8 5-3-8 5-9-0 3-11-8 8-6-12 sets (X,Y) [2:0-6-7,Edge], [7:0-3-0,0-3-0] 6 (psf) SPACING- 2-0-0 CSI. DEFL. in (loc) 20.0 Plate Grip DOL 1.25 TC 0.49 Vert(LL) -0.27 12-14 7.0 Lumber DOL 1.25 BC 1.00 Vert(CT) -0.47 12-14 0.0 * Rep Stress Incr YES WB 0.81 Horz(CT) 0.23 11	2-3-8 5-3-8 5-9-0 3-11-8 8-6-12 6-5-12 sets (X,Y) [2:0-6-7,Edge], [7:0-3-0,0-3-0] G (psf) SPACING- 2-0-0 CSI. DEFL. in (loc) I/defl L/d 20.0 Plate Grip DOL 1.25 TC 0.49 Vert(LL) -0.27 12-14 >999 240 7.0 Lumber DOL 1.25 BC 1.00 Vert(CT) -0.47 12-14 >827 180 0.0 * Rep Stress Incr YES WB 0.81 Horz(CT) 0.23 11 n/a n/a

BRACING-

WEBS

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

2x4 SP No.2 *Except*

TOP CHORD 1-3: 2x8 SP 2400F 2.0E

BOT CHORD 2x4 SP No.2 *Except*

2-18,2-16: 2x6 SP No.2, 4-15: 2x4 SP No.3

WEBS 2x4 SP No.3

(size) 1=0-3-8, 11=0-3-8, 9=0-3-8

Max Horz 1=-149(LC 13)

Max Uplift 1=-245(LC 12), 11=-315(LC 13), 9=-165(LC 9)

Max Grav 1=1258(LC 2), 11=1724(LC 2), 9=226(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-20=-639/212, 2-3=-2686/646, 3-4=-1879/513, 4-5=-1840/597, 5-6=-1315/439, TOP CHORD

6-7=-1469/413, 7-8=-106/560, 8-9=-127/483

BOT CHORD 2-17=-539/2486, 16-17=-539/2501, 4-16=-263/180, 12-14=-197/1265, 11-12=-192/1152,

9-11=-427/140 WEBS

3-17=0/311, 3-16=-978/308, 14-16=-84/1126, 5-16=-343/1125, 5-14=-123/273,

6-14=-302/194, 7-12=-4/337, 7-11=-2084/413

NOTES-

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

- 3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-10-0, Interior(1) 3-10-0 to 17-3-8, Exterior(2R) 17-3-8 to 21-1-8, Interior(1) 21-1-8 to 39-10-0 zone; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

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

- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=245, 11=315, 9=165.



Structural wood sheathing directly applied or 3-11-14 oc purlins.

5-14, 6-14, 7-11

Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

2-2-0 oc bracing: 2-17

6-0-0 oc bracing: 9-11.

1 Row at midpt

Philip J. O'Regan PE No.58126 MITek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

August 6,2021

A WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information

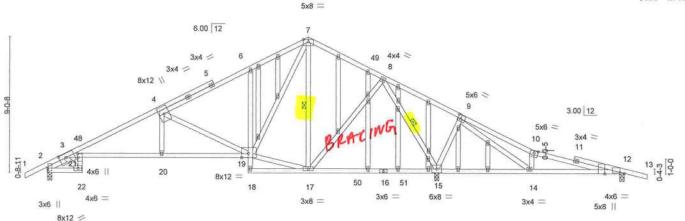
available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd. Tampa, FL 36610

Job	Truss		Truss Type			Qty	Ply	GIEBEIG	- JOHNSON RES.	7	0.0000000000000000000000000000000000000
2891235	T03G		GABLE		1	1	1	THE PARTY OF THE P			T24934917
								Job Refere	ence (optional)		
Builders FirstSource	ce (Lake City,FL),	Lake City, FI	- 32055,				8.430 s Ju	n 2 2021 N	iTek Industries, Ind	c. Thu Aug 5 09:1	4:02 2021 Page 1
					ID:yF_o	cOwa2	BYMa3_bLY	XStsysag2	-ogu0?fmM_UWhji	nYYRiegADs8BJfy	3QhbJE3qA yqxlJ
	-1-6-0 1-3-82-3-8	7-7-0	13-4-0	17-3-8	22-3-7	1	27-5-3	3	32-4-0	38-4-0	39-10-0
	1-6-0 1-3-8 1-0-0	5-3-8	5-9-0	3-11-8	4-11-15		5-1-12	2	4-10-13	6-0-0	1-6-0

Scale = 1:74.5



		1-3-8 2-3-8 1-3-8 1-0-0 5-3-8		13-4-0 5-9-0	17-3-8 3-11-8		5-8-8 -5-0		5-10-4	32-4-0 6-5-12	38-4-0 6-0-0	
Plate Offse	ets (X,Y)	[2:0-2-4,0-0-7], [3:0-5-5										
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.81	Vert(LL)	-0.29	20-21	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.51	20-21	>612	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.22	15	n/a	n/a		
BCDL	10.0	Code FBC2020	TPI2014	Matri	x-MS						Weight: 282 lb	FT = 20%

BRACING-

WEBS

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except*

21-22,6-18: 2x4 SP No.3, 3-19: 2x4 SP M 31

2x4 SP No.3 WEBS OTHERS 2x4 SP No.3 SLIDER

Left 2x4 SP No.3 1-4-4

REACTIONS.

12=0-3-8, 2=0-3-8, 15=0-3-8 (size)

Max Horz 2=137(LC 16)

Max Uplift 12=-174(LC 9), 2=-218(LC 12), 15=-359(LC 13) Max Grav 12=277(LC 24), 2=922(LC 2), 15=2110(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD

3-45=-481/77, 3-4=-1755/409, 4-6=-892/228, 6-7=-862/312, 7-8=-453/176,

8-9=-628/1190, 9-10=-217/763, 10-12=-225/668

BOT CHORD 2-22=-289/924, 21-22=-342/1166, 3-21=-379/1612, 20-21=-408/1660, 19-20=-408/1660,

6-19=-252/172, 15-17=-143/370, 14-15=-895/596, 12-14=-613/236

3-22=-1316/402, 4-20=-24/427, 4-19=-944/313, 17-19=0/419, 7-17=-458/206. WEBS

8-17=-254/784, 8-15=-1765/726, 9-15=-369/323, 9-14=-884/593, 7-19=-295/875

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-4-0, Interior(1) 2-4-0 to 17-3-8, Exterior(2R) 17-3-8 to 21-1-8, Interior(1) 21-1-8 to 39-10-0 zone; porch right exposed; C-C for members and forces & MWFRS for reactions shown; 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=174, 2=218, 15=359.



Structural wood sheathing directly applied or 2-2-14 oc purlins.

7-17, 8-15

Rigid ceiling directly applied or 2-2-0 oc bracing.

1 Row at midpt

Philip J. O'Regan PE No.58126 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

August 6,2021

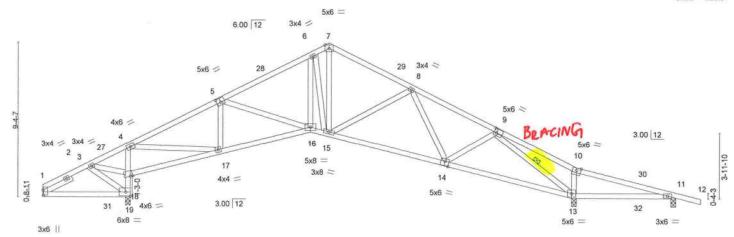
🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	T	russ		Truss Type			Qty	Ply	GIEBEIG - JOHNSON	RES.		24222
2891235	Т	04		Roof Special			5	1				T24934918
									Job Reference (optional	1)		
Builders FirstSourc	ce (Lake City	/,FL),	Lake City, FL - :	32055,					n 2 2021 MiTek Industri			
						ID:yF_	ocOwa2	BYMa3_bLY	XStsysag2-dqFHGiq7al	(GqRi?inyl4)	QU6Gyjo5TATT	hAW8OeyaxID
		-3-8	10-8-12	16-2-0	17-3-8	22-3-7	- 1	27-5-3	32-0-8	32-4-0	38-4-0	39-10-0
2-	-9-8 2	-6-0	5-5-4	5-5-4	1-1-8	4-11-15	1	5-1-12	4-7-5	0-3-8	6-0-0	1-6-0

Scale = 1:68.0



		the state of the s	0-8-12 5-5-4	16-2-0 5-5-4	17-3-8	24-5-1 7-1-9			32-0-8	32-2-4	38-4-0	
Plate Offs	ets (X,Y)	[1:0-3-12,0-0-6], [5:0-3							7-7-7	0-1-12	6-1-12	
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in (lo	c) I/defl	L/d	PLAT	ES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	0.11 13-2	6 >676	240	MT20		244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.21 13-1	4 >999	180			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.13	13 n/a	n/a			
BCDL	10.0	Code FBC2020)/TPI2014	Matrix-	-MS					Weigh	nt: 211 lb	FT = 20%

BRACING-

WEBS

TOP CHORD

BOT CHORD

LUMBER-

2x4 SP No.2 TOP CHORD

2x4 SP No.2 *Except* **BOT CHORD**

4-19: 2x4 SP No.3 WEBS 2x4 SP No.3

SLIDER Left 2x4 SP No.3 1-11-8

REACTIONS.

(size) 13=0-3-8, 11=0-3-8, 19=0-3-8

Max Horz 19=-152(LC 13)

Max Uplift 13=-284(LC 13), 11=-182(LC 9), 19=-294(LC 12) Max Grav 13=1356(LC 1), 11=212(LC 24), 19=1379(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD

1-3=-232/333, 3-4=-652/591, 4-5=-1352/294, 5-6=-1457/275, 6-7=-1235/313,

7-8=-1280/272, 8-9=-1481/341, 9-10=-60/542, 10-11=-79/452

BOT CHORD

18-19=-1415/743, 4-18=-1156/455, 17-18=-492/701, 16-17=-245/1187, 15-16=-122/1254,

14-15=-128/1361, 13-14=-175/1073, 11-13=-401/94

WEBS

3-19=-282/183, 3-18=-487/713, 4-17=-589/1616, 5-17=-387/223, 6-16=-112/555,

6-15=-681/245, 7-15=-238/954, 8-15=-309/221, 9-14=0/328, 9-13=-1933/326

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-10-0, Interior(1) 3-10-0 to 17-3-8, Exterior(2R) 17-3-8 to 21-1-8, Interior(1) 21-1-8 to 39-10-0 zone; cantilever left exposed; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=284, 11=182, 19=294,



Structural wood sheathing directly applied or 4-7-0 oc purlins.

9-13

Rigid ceiling directly applied or 4-6-8 oc bracing.

1 Row at midpt

Philip J. O'Regan PE No.58126 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

August 6,2021

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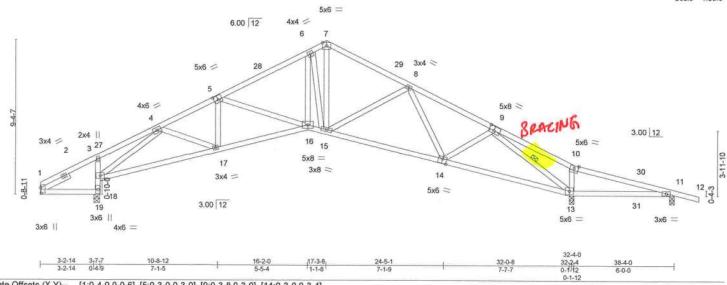
ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information

available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	GIEBEIG - JOHNSON RES.	
2891235	T05	Roof Special	1	1	De 10,00 to Market of Bridges	T24934919
					Job Reference (optional)	
Builders FirstSource	(Lake City,FL), Lake	City, FL - 32055,		8.430 s Ju	n 2 2021 MiTek Industries, Inc. Thu Aug 5 09:14:11 20	21 Page 1
		anana - wasan sanan		wa2BYMa3	bLYXStsysag2-2PxQujt0tFePlAkHS5ln26knhxpVgSJwO	8lo?zyqxlA

Scale = 1:68.0



LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	0.11	13-26	>677	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.24	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.19	13	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-MS	, , ,					Weight: 207 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 *Except*

3-19: 2x4 SP No.3 WEBS 2x4 SP No.3

SLIDER Left 2x4 SP No.3 1-11-8

REACTIONS.

(size) 19=0-4-3, 13=0-3-8, 11=0-3-8

Max Horz 19=-152(LC 13)

Max Uplift 19=-275(LC 12), 13=-297(LC 13), 11=-180(LC 9) Max Grav 19=1290(LC 1), 13=1486(LC 1), 11=187(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD

3-4=-290/237, 4-5=-1890/418, 5-6=-1742/393, 6-7=-1458/419, 7-8=-1503/376, 8-9=-1614/411, 9-10=-98/705, 10-11=-116/610

BOT CHORD 18-19=-1256/488, 3-18=-266/150, 17-18=-357/1282, 16-17=-351/1729, 15-16=-179/1510,

14-15=-208/1516, 13-14=-214/1127, 11-13=-553/130

4-17=-99/479, 5-16=-259/170, 6-16=-167/817, 6-15=-922/306, 7-15=-319/1151,

8-15=-275/214, 9-14=-9/386, 9-13=-2197/429, 4-18=-1870/588

NOTES-

WEBS

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ff; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-10-0, Interior(1) 3-10-0 to 17-3-8, Exterior(2R) 17-3-8 to 21-1-8, Interior(1) 21-1-8 to 39-10-0 zone; cantilever left exposed; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=275, 13=297, 11=180.



Structural wood sheathing directly applied or 4-0-15 oc purlins.

9-13

Rigid ceiling directly applied or 4-5-8 oc bracing.

1 Row at midpt

Philip J. O'Regan PE No.58126 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

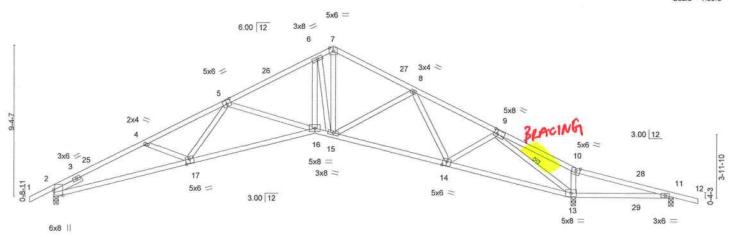
August 6,2021

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MIL7473 (by 5/19/2020 REFORE 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 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss		Truss Type		Qty	/ Ply	GIEBEIG - JOHNSON	RES.		
2891235	T06		Roof Special		4	1				T24934920
							Job Reference (optiona	1)		
Builders FirstSource	(Lake City,FL),	Lake City, FL - 320	055,				n 2 2021 MiTek Industri			
					ID:yF_oc	Owa2BYMa3_bl	LYXStsysag2-S_cYWlvu	9A0_9dTs8[OsUfIMF?8nZtrF	RM45zSclyqxl7
1-1-6-0	5-8-10	10-8-14	16-2-0	17-3-8	22-3-7	27-5-3	3 , 32-0-8	32-4-0	38-4-0	39-10-0
1-6-0	5-8-10	5-0-4	5-5-2	1-1-8	4-11-15	5-1-12	2 4-7-5	0-3-8	6-0-0	1-6-0

Scale = 1:69 6



	1	8-4-0	1	16-2-0	17-3-8	24-5-	1	1	32-0-8	32,2-4	38-4-0	-
		8-4-0		7-10-0	4-1-8	7-1-8			7-7-7	0-1-12	6-1-12	
Plate Offse	ets (X,Y)	[2:0-3-15,Edge], [5:0-3-0,	0-3-0], [9:0-2-	4,0-3-0], [14:0	0-3-0,0-3-4], [17	0-3-0,0-3-4]						
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in (lo	c) I/defl	L/d	PLAT	ES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.30 16-1	7 >999	240	MT20		244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.61 16-1	7 >628	180	()/(//25/2		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.33	13 n/a	n/a			
BCDL	10.0	Code FBC2020/Ti	PI2014	Matri	x-MS					Weigh	nt: 201 lb	FT = 20%

BRACING-TOP CHORD BOT CHORD

WEBS

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*

1-5: 2x4 SP M 31

2x4 SP No.2 *Except* **BOT CHORD** 2-17: 2x4 SP M 31

WEBS 2x4 SP No.3

SLIDER Left 2x4 SP No.3 1-11-8

REACTIONS.

13=0-3-8, 11=0-3-8, 2=0-3-8 (size)

Max Horz 2=142(LC 16)

Max Uplift 13=-332(LC 13), 11=-174(LC 9), 2=-271(LC 12) Max Grav 13=1803(LC 1), 11=97(LC 24), 2=1203(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD

2-4=-3026/780, 4-5=-2894/723, 5-6=-2177/544, 6-7=-1756/529, 7-8=-1823/493,

8-9=-1719/463, 9-10=-230/1310, 10-11=-243/1195

BOT CHORD 2-17=-702/2691, 16-17=-554/2573, 15-16=-254/1903, 14-15=-280/1687, 13-14=-212/1056,

11-13=-1120/253

WEBS 5-17=-32/342, 5-16=-652/293, 6-16=-260/1325, 6-15=-1327/372, 7-15=-408/1391,

8-14=-338/110, 9-14=-50/564, 9-13=-2828/618

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl. GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-4-0, Interior(1) 2-4-0 to 17-3-8, Exterior(2R) 17-3-8 to 21-1-8, Interior(1) 21-1-8 to 39-10-0 zone; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=332, 11=174, 2=271.



Structural wood sheathing directly applied or 3-7-4 oc purlins.

9-13

Rigid ceiling directly applied or 5-0-3 oc bracing.

1 Row at midpt

Philip J. O'Regan PE No.58126 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

August 6,2021

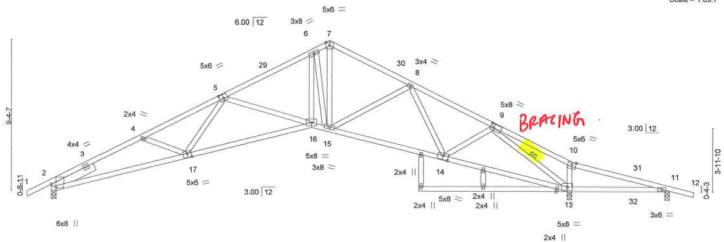
🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters and property incorporate this design into the overall building designer must verify the applicability of design parameters 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

ANSITPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



	RES.	- JOHNSON I	GIEBEIG -	Ply	Qty			10	Truss Type		Truss	
T2493				1	3			al	Roof Specia		T07	1235
)	ence (optional	Job Refere									
u Aug 5 09:14:19 2021 Page	s, Inc. Thu A	iTek Industrie	n 2 2021 Mi	8.430 s Jur					32055,	Lake City, FL - 3	City,FL),	ilders FirstSource (Lake
RfMo30k9TkY6g5DNhDHVyqx	FOLpwmRfM	xQRZTz1_ifG	Stsysag2-px	/Ma3_bLYX	ocOwa2B	ID						
38-4-0 39-10-0	32-4-0	32-0-8	3	27-5-3	7	2	17-3-8	16-2-0		10-8-14	5-8-10	
6-0-0 1-6-0	0-3-8	4-7-5	2	5-1-12	15	4	1-1-8	5-5-2		5-0-4	5-8-10	1-6-0

Scale = 1:69.7



	1	8-4-0	1	16-2-0	17-3-8	22-10-0	24-5-1		32-0-8	32-2-4	38-4-0	100
	1	8-4-0	4.4	7-10-0	1-1-8	5-6-8	1-7-1		7-7-7	0-1-12	6-1-12	
Plate Offs	ets (X,Y)	[2:0-2-13,0-3-4], [5:0-3-0	,0-3-0], [9:0-2-	4,0-3-0], [14:0-	4-0,0-3-0], [17:	0-3-0,0-3-4]						
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLAT	ES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.95	Vert(LL)	-0.29 16-17	>999	240	MT20		244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.60 16-17	>637	180			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.34 13	n/a	n/a			
BCDL	10.0	Code FBC2020/T	PI2014	Matrix	-MS					Weigh	t: 223 lb	FT = 20%

BRACING-

WEBS

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

1 Row at midpt

Rigid ceiling directly applied or 2-2-0 oc bracing.

9-13

LUMBER-

WEBS

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except*

13-18: 2x4 SP No.3 2x4 SP No.3

SLIDER Left 2x6 SP No.2 2-11-8

REACTIONS.

(size) 13=0-3-8, 11=0-3-8, 2=0-3-8 Max Horz 2=142(LC 16)

Max Uplift 13=-332(LC 13), 11=-175(LC 11), 2=-271(LC 12) Max Grav 13=1806(LC 1), 11=95(LC 24), 2=1203(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD

2-4=-3028/786, 4-5=-2913/729, 5-6=-2174/543, 6-7=-1755/529, 7-8=-1822/493, 8-9=-1716/462, 9-10=-233/1319, 10-11=-245/1203

2-17=-703/2713, 16-17=-554/2573, 15-16=-253/1900, 14-15=-280/1685, 13-14=-213/1052,

BOT CHORD 11-13=-1127/255

5-17=-38/355, 5-16=-654/295, 6-16=-257/1318, 6-15=-1325/371, 7-15=-409/1392,

8-14=-340/110, 9-14=-50/565, 9-13=-2833/619

NOTES-

WEBS

Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-4-0, Interior(1) 2-4-0 to 17-3-8, Exterior(2R) 17-3-8 to 21-1-8, Interior(1) 21-1-8 to 39-10-0 zone; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

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

- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=332, 11=175, 2=271.



Philip J. O'Regan PE No.58126 MITek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

August 6,2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Collaboration available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601 ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



Job Truss Truss Type Qty GIEBEIG - JOHNSON RES T24934922 2891235 T08 Common 3 Job Reference (optional) Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Thu Aug 5 09:14:21 2021 Page 1 ID:yF_ocOwa2BYMa3_bLYXStsysag2-IKXC_8_HWKv_ViVC2BU7RD8ULzH30AUOhhAKLOyqxl0 -1-6-0 6-9-8 13-7-0 6-9-8 1-6-0 Scale = 1:28.0 4x6 = 6.00 12 18 3x4 = 5 3x4 > 3 0-8-11 20 21 22 8 3x6 || 2x4 || 3x6 || 6-9-8 13-7-0 Plate Offsets (X,Y)--[2:0-2-4,0-0-2], [6:0-3-8,0-0-2] LOADING (psf) SPACING-2-0-0 CSI. DEFL (loc) I/defl L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.43 0.09 Vert(LL) 8-15 >999 240 MT20 244/190 TCDL 7.0 Lumber DOL 1.25 BC 0.41 Vert(CT) -0.09 8-11 >999 180 0.0 * BCLL Rep Stress Incr YES WB 0.12 Horz(CT) 0.02 n/a n/a BCDL 10.0 Code FBC2020/TPI2014 Matrix-MS FT = 20% Weight: 59 lb LUMBER-BRACING-

TOP CHORD

BOT CHORD

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 **WEBS** 2x4 SP No.3

SLIDER

Left 2x4 SP No.3 1-11-8, Right 2x4 SP No.3 1-11-8

REACTIONS.

(size) 2=0-3-8, 6=0-3-8 Max Horz 2=62(LC 12)

Max Uplift 2=-144(LC 9), 6=-144(LC 8)

Max Grav 2=584(LC 1), 6=584(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-4=-551/705, 4-6=-551/705

BOT CHORD 2-8=-508/492, 6-8=-508/492

WEBS 4-8=-397/283

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 6-9-8, Exterior(2R) 6-9-8 to 9-9-8, Interior(1) 9-9-8 to 15-1-0 zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=144, 6=144.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 7-8-11 oc bracing.

Philip J. O'Regan PE No.58126 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

August 6,2021

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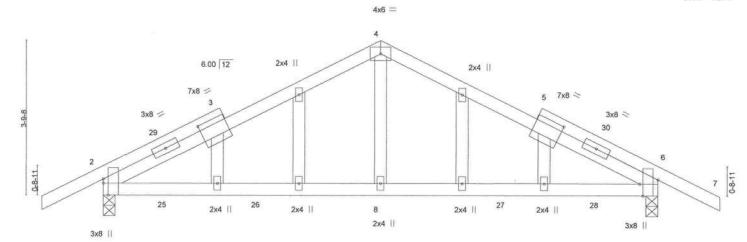
ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	GIEBEIG - JOHNSON RES.	
						T24934923
2891235	T08G	GABLE	1	1		
					Job Reference (optional)	
Builders FirstSource	ce (Lake City,FL), Lake	City, FL - 32055,		8.430 s Ju	n 2 2021 MiTek Industries, Inc. Thu Aug 5 09	:14:25 2021 Page 1

ID:yF_ocOwa2BYMa3_bLYXStsysag2-d5niqW2oaYPQzJpzH1Y3c3J7?ae_y_b_cJ8YT9yqxky -1-6-0 13-7-0

Scale = 1:27.5



		-	6-9-8					13-7-0						
Plate Offs	ets (X,Y)	[2:0-3-8,Edge], [6:0-3-8,E			2-7-11,0-1-	3]				0-9-0				
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defi	L/d	PLATES	GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	0.10	8-19	>999	240	MT20	244/190		
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.08	8-23	>999	180				
BCLL	0.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.02	2	n/a	n/a				
BCDL	10.0	Code FBC2020/T	PI2014	Matri	k-MS						Weight: 73 lb	FT = 20%		

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 WEBS 2x4 SP No.3

OTHERS 2x4 SP No.3

1-6-0

REACTIONS.

(size) 2=0-3-8, 6=0-3-8 Max Horz 2=-57(LC 13)

Max Uplift 2=-144(LC 9), 6=-144(LC 8) Max Grav 2=584(LC 1), 6=584(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-4=-633/839, 4-6=-633/838 **BOT CHORD** 2-8=-977/706, 6-8=-977/706

WEBS 4-8=-434/276

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 6-9-8, Corner(3R) 6-9-8 to 9-9-8, Exterior(2N) 9-9-8 to 15-1-0 zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=144, 6=144.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 5-7-2 oc bracing.

Philip J. O'Regan PE No.58126 MITek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

August 6,2021

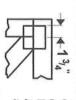
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE U.S. Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

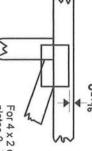


Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated.
Dimensions are in ft-in-sixteenths.
Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- ¹/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

*Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

4 × 4

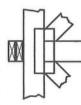
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING



Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only

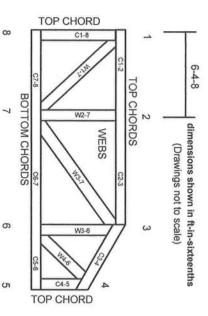
Industry Standards:

ANSI/TPI1: DSB-89:

National Design Specification for Metal Plate Connected Wood Truss Construction. Design Standard for Bracing.
Building Component Safety Information,

Design Standard for Bracing.
Building Component Safety Information,
Guide to Good Practice for Handling,
Installing & Bracing of Metal Plate
Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988 ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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