

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

RE: 2911950 - IC CONST. - SHAHEEN RES.

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: IC Construction Project Name: Shaheen Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD, TBD
City: Columbia Cty State: FL

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

Name: License #:
Address:
City: State:

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

Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: ASCE 7-16 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 31 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.

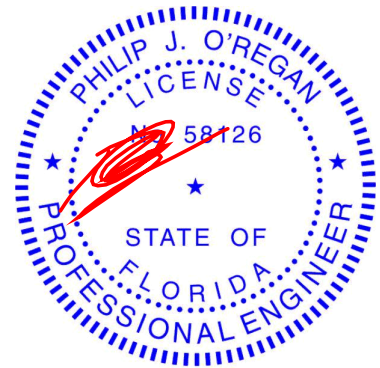
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T25257027	CJ02	9/7/21	23	T25257049	T11	9/7/21
2	T25257028	CJ04	9/7/21	24	T25257050	T12G	9/7/21
3	T25257029	CJ06	9/7/21	25	T25257051	T13	9/7/21
4	T25257030	EJ01	9/7/21	26	T25257052	T14G	9/7/21
5	T25257031	EJ02	9/7/21	27	T25257053	T15	9/7/21
6	T25257032	EJ03G	9/7/21	28	T25257054	T15G	9/7/21
7	T25257033	HJ11	9/7/21	29	T25257055	T16	9/7/21
8	T25257034	PB01	9/7/21	30	T25257056	T17	9/7/21
9	T25257035	PB01G	9/7/21	31	T25257057	T18	9/7/21
10	T25257036	T01	9/7/21				
11	T25257037	T01G	9/7/21				
12	T25257038	T02G	9/7/21				
13	T25257039	T03	9/7/21				
14	T25257040	T03G	9/7/21				
15	T25257041	T04	9/7/21				
16	T25257042	T05	9/7/21				
17	T25257043	T06	9/7/21				
18	T25257044	T07	9/7/21				
19	T25257045	T08	9/7/21				
20	T25257046	T08G	9/7/21				
21	T25257047	T09	9/7/21				
22	T25257048	T10	9/7/21				

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: O'Regan, Philip

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

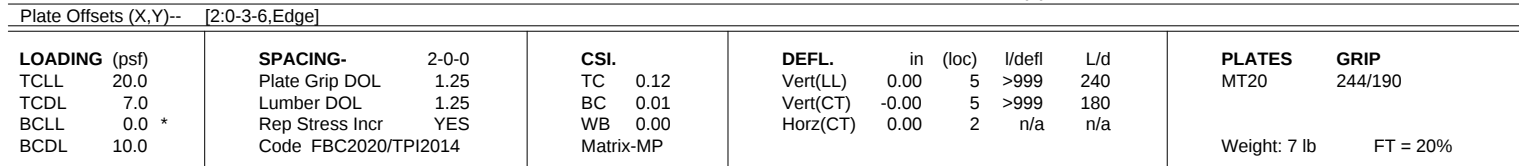
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which 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
Date:

September 7, 2021

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:38 2021 Page 1
ID:b2ldsklJGjOxOjHDJPPp?LTyh2aU-ogS4Sd4mlw3BtaG1AzDC8Z9r4BnwuFr_5aljrjygi7l



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

TOP CHORD	Structural wood sheathing directly applied or 1-6-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
 Max Horz 2=30(LC 8)
 Max Uplift 3=-4(LC 12), 2=-99(LC 8)
 Max Grav 3=13(LC 3), 2=177(LC 1), 4=16(LC 3)

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

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDEL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCp=-0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4 lb uplift at joint 3 and 99 lb uplift at joint 2.



September 7, 2021



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6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257028
2911950	CJ04	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:39 2021 Page 1
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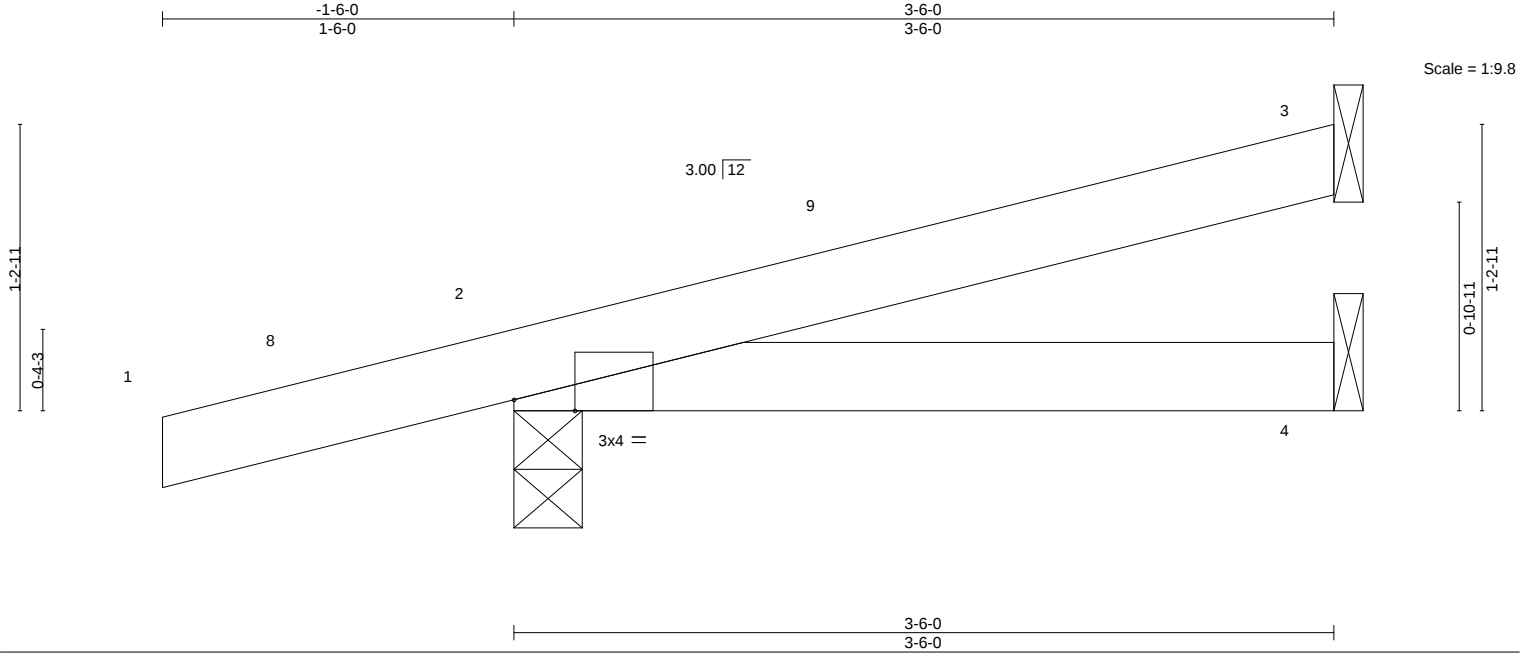


Plate Offsets (X,Y)-- [2:0-3-2,Edge]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 13 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-6-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

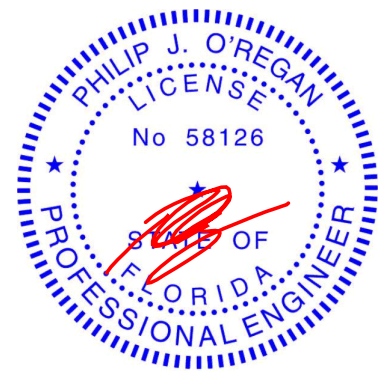
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=47(LC 8)
Max Uplift 3=-32(LC 12), 2=-99(LC 8)
Max Grav 3=71(LC 1), 2=226(LC 1), 4=57(LC 3)

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

NOTES-

- 1) 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 3-5-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint 3 and 99 lb uplift at joint 2.



Philip J. O'Regan PE No.58126
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6904 Parke East Blvd. Tampa FL 33610
Date:

September 7,2021

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 property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257029
2911950	CJ06	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:39 2021 Page 1
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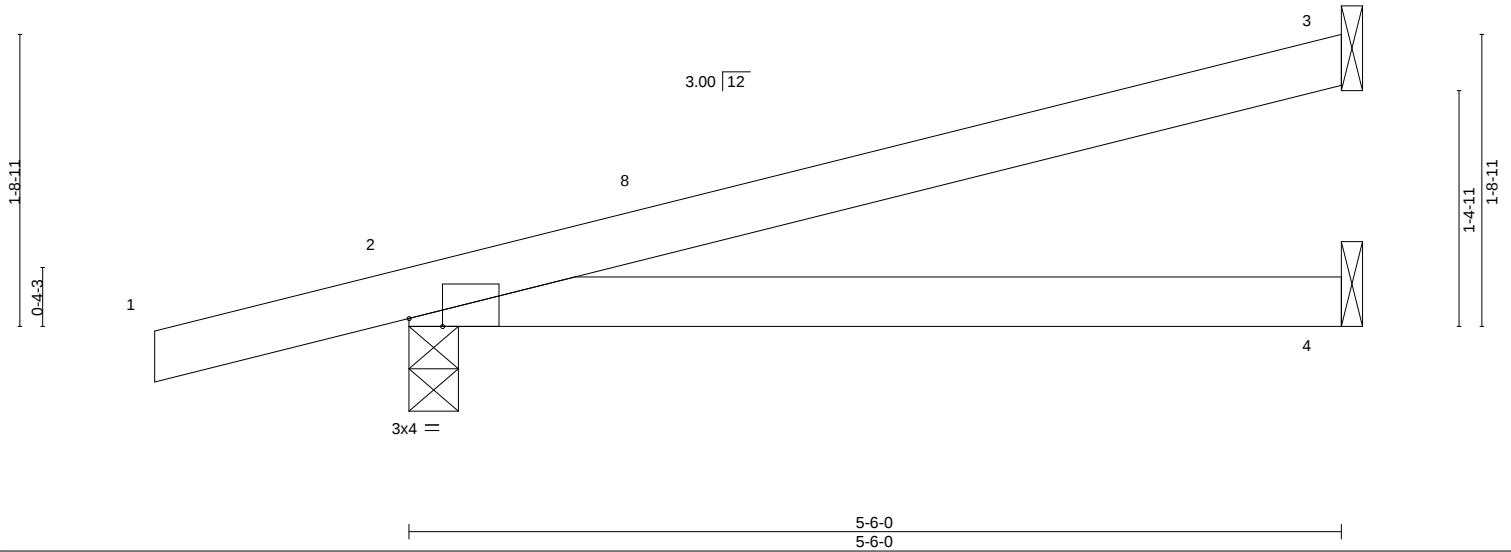


Plate Offsets (X,Y)--		[2:0-2-6,Edge]													
LOADING	(psf)	SPACING-		2-0-0	CSI.			DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL		1.25	TC	0.33		Vert(LL)	0.05	4-7	>999	240	MT20	244/190	
TCDL	7.0	Lumber DOL		1.25	BC	0.27		Vert(CT)	-0.08	4-7	>850	180			
BCLL	0.0 *	Rep Stress Incr		YES	WB	0.00		Horz(CT)	0.00	2	n/a	n/a			
BCDL	10.0	Code		FBC2020/TPI2014	Matrix-MP										
													Weight: 19 lb	FT = 20%	

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-6-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

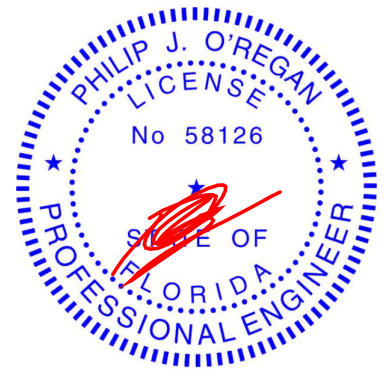
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=64(LC 8)
Max Uplift 3=57(LC 12), 2=-112(LC 8)
Max Grav 3=123(LC 1), 2=293(LC 1), 4=94(LC 3)

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

NOTES-

- 1) 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 5-5-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 57 lb uplift at joint 3 and 112 lb uplift at joint 2.



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

September 7,2021

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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 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

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257030
2911950	EJ01	Jack-Partial	8	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:40 2021 Page 1
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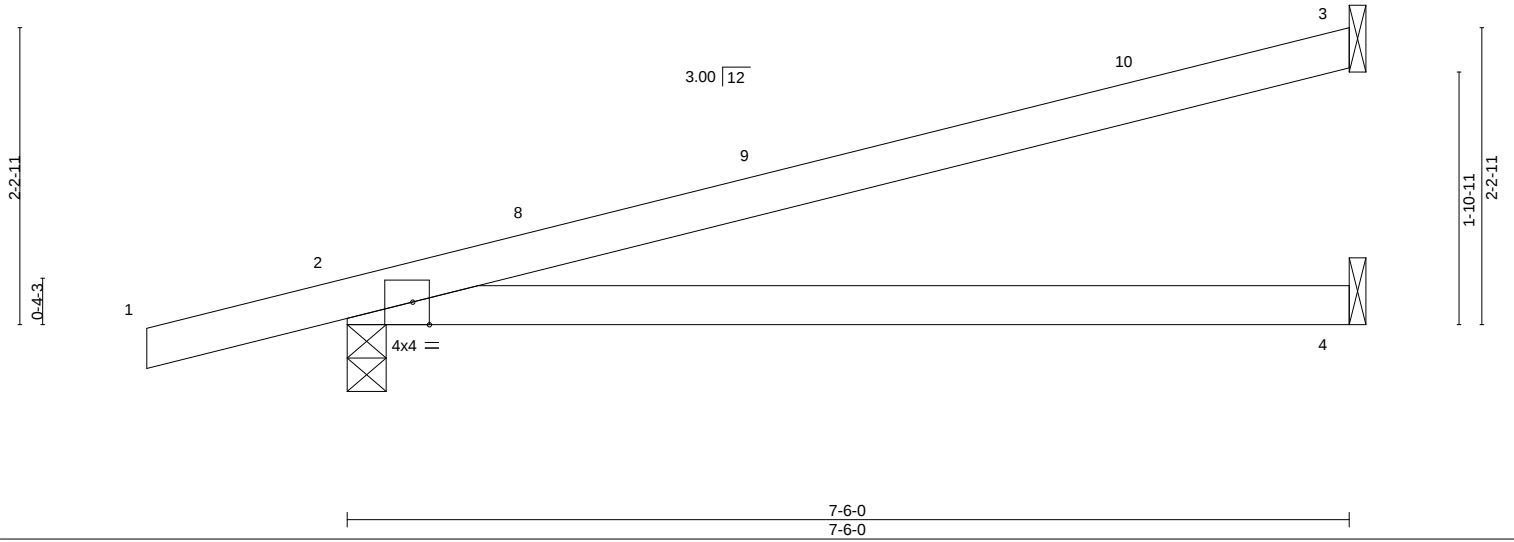


Plate Offsets (X,Y)--		[2:0-1-8,Edge]	
LOADING (psf)		SPACING-	2-0-0
TCLL 20.0		Plate Grip DOL	1.25
TCDL 7.0		Lumber DOL	1.25
BCLL 0.0 *		Rep Stress Incr	YES
BCDL 10.0		Code	FBC2020/TPI2014
		CSI.	
		TC 0.70	
		BC 0.56	
		WB 0.00	
		Matrix-MS	
		DEFL.	
		in (loc)	I/defl
		Vert(LL) 0.14	4-7 >645
		Vert(CT) -0.28	4-7 >314
		Horz(CT) 0.01	2 n/a
		L/d	
		240	
		180	
		n/a	
		PLATES	GRIP
		MT20	244/190
		Weight: 25 lb	FT = 20%

LUMBER-

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

BRACING-

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

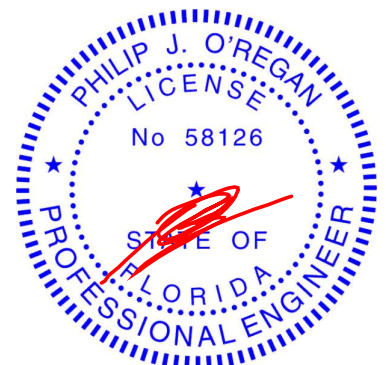
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=81(LC 8)
Max Uplift 3=80(LC 8), 2=128(LC 8)
Max Grav 3=174(LC 1), 2=364(LC 1), 4=132(LC 3)

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

NOTES-

- 1) 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 7-5-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 3 and 128 lb uplift at joint 2.



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

September 7,2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257031
2911950	EJ02	Jack-Partial	2	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:41 2021 Page 1
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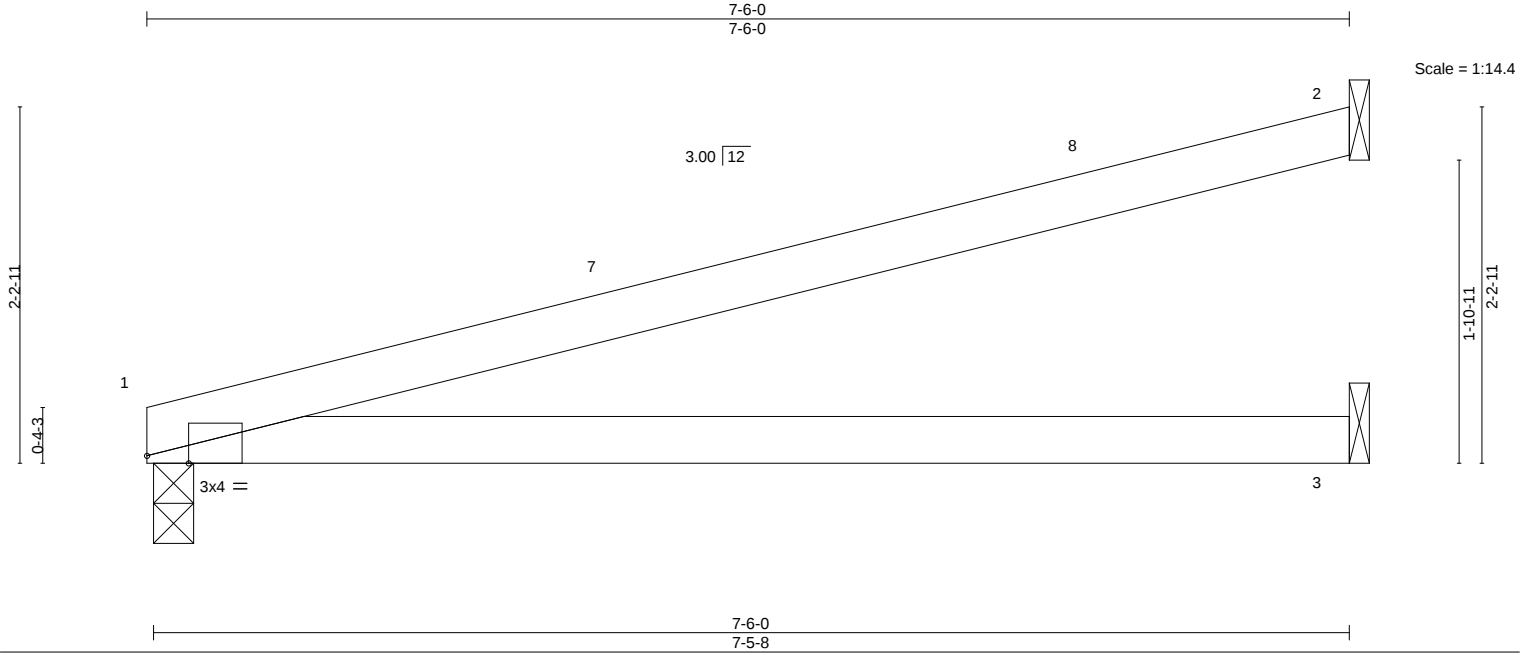


Plate Offsets (X,Y)--		[1:0-3-2,Edge]													
LOADING	(psf)	SPACING-		2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP		
TCLL	20.0	Plate Grip DOL	1.25		TC	0.74	Vert(LL)	0.15	3-6	>585	240	MT20	244/190		
TCDL	7.0	Lumber DOL	1.25		BC	0.61	Vert(CT)	-0.31	3-6	>290	180				
BCLL	0.0 *	Rep Stress Incr	YES		WB	0.00	Horz(CT)	0.01	1	n/a	n/a				
BCDL	10.0	Code	FBC2020/TPI2014		Matrix-MS										
												Weight: 23 lb		FT = 20%	

LUMBER-

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

BRACING-

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

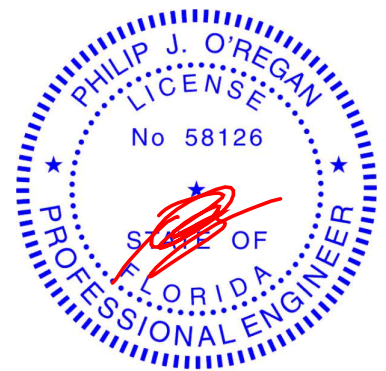
REACTIONS.

(size) 1=0-3-0, 2=Mechanical, 3=Mechanical
Max Horz 1=64(LC 8)
Max Uplift 1=-66(LC 8), 2=-83(LC 8)
Max Grav 1=275(LC 1), 2=178(LC 1), 3=133(LC 3)

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

NOTES-

- 1) 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 3-0-0, Interior(1) 3-0-0 to 7-5-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 1 and 83 lb uplift at joint 2.



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Date:

September 7, 2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257032
2911950	EJ03G	Monopitch Supported Gable	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:42 2021 Page 1
ID:b2ldsklJGjOxOjHDJPp?LTyh2aU-hchbH_7HM8acMBaoPp18IP0mShXmsh0RvjYVscygj7h



Scale = 1:35.5

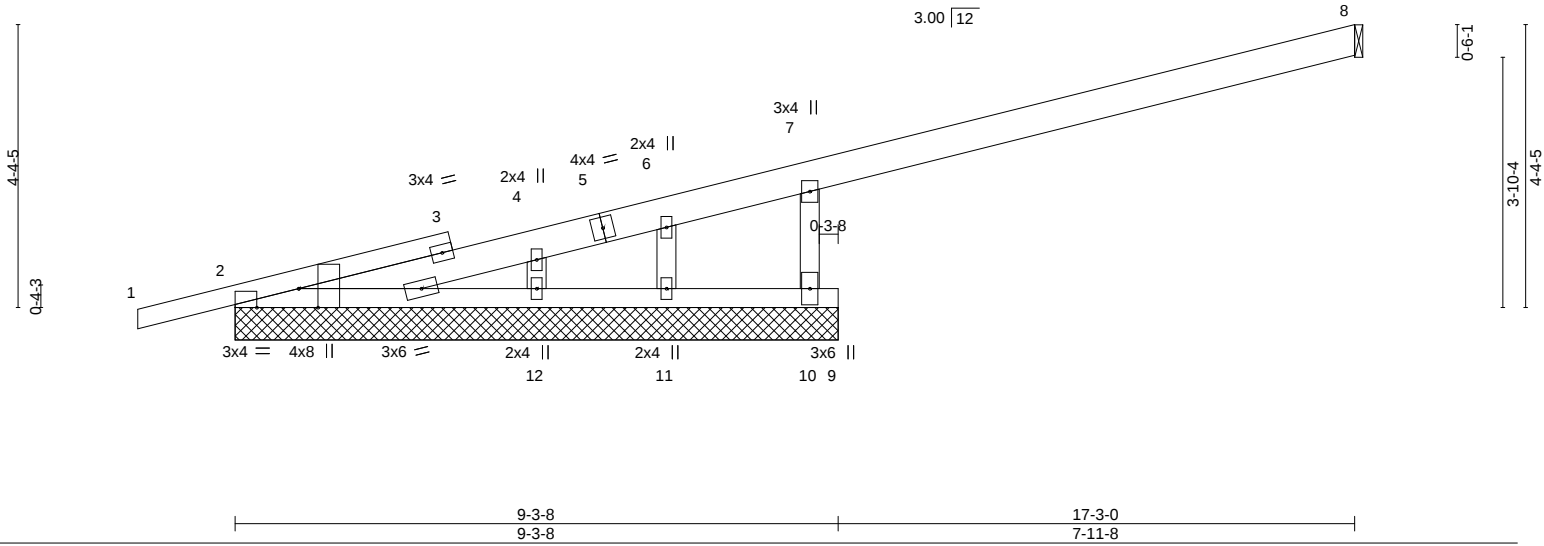


Plate Offsets (X,Y)--		[2:0-3-8,Edge], [2:0-7-12,Edge]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.01 2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	-0.02 2-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.00 8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S						Weight: 65 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
1-3: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 10-0-0 oc bracing: 9-10.

REACTIONS.

All bearings 9-3-8 except (jt=length) 8=Mechanical.

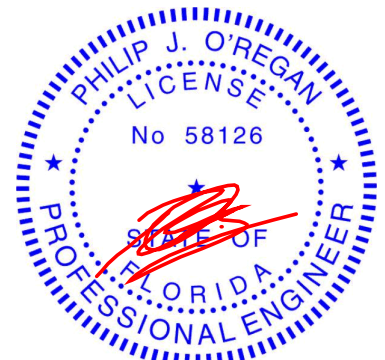
(lb) - Max Horz 2=151(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 8, 2, 12 except 10=260(LC 12), 11=108(LC 1)
Max Grav All reactions 250 lb or less at joint(s) 8, 2, 11 except 10=549(LC 1), 12=339(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-294/100, 6-7=-260/95, 7-10=-520/630
WEBS 4-12=-253/268

NOTES-

- 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 17-2-4 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
- 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable studs spaced at 2-0-0 oc.
- 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 2, 12 except (jt=lb) 10=260, 11=108.



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Date:

September 7, 2021

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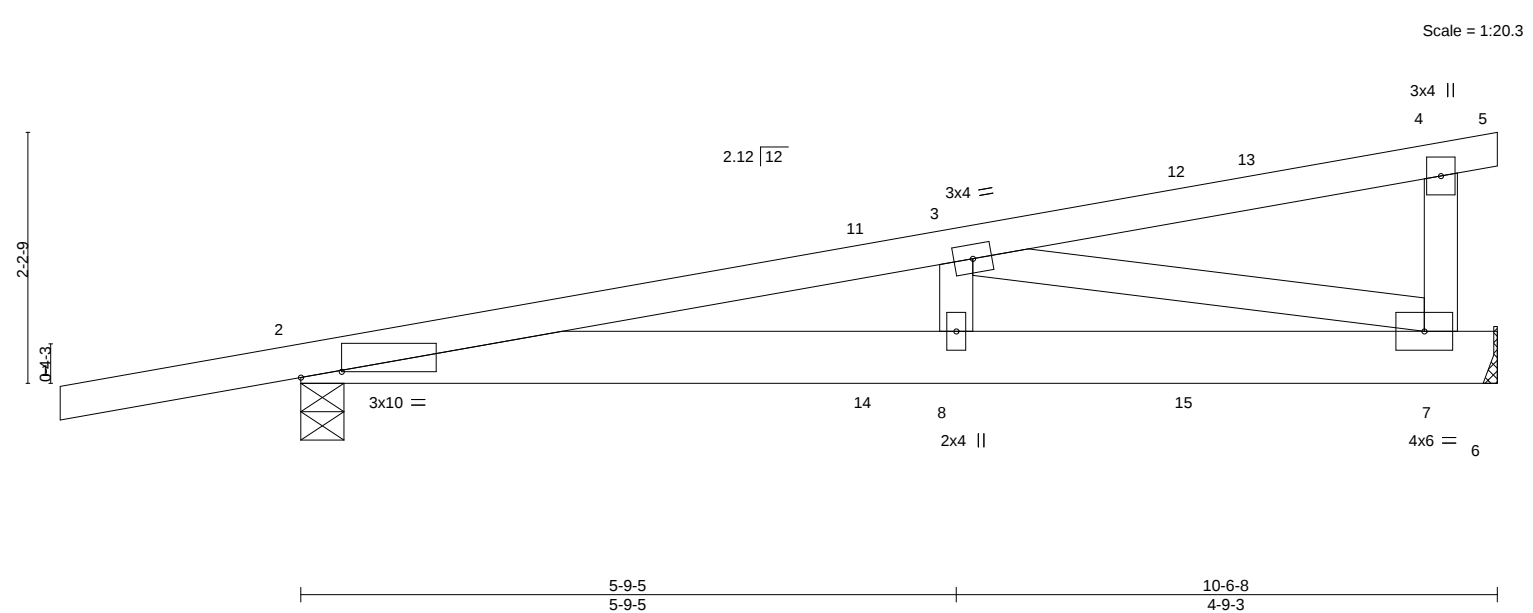
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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

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Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:43 2021 Page 1
 ID:b2ldskJGjOxOjHDJPP?LTyh2aU-9oFzVK8v7SiT_L8?zWpNrcZvr5n7b26a7Nj3O2y7g
 -2-1-7 5-9-5 10-6-8
 2-1-7 5-9-5 4-9-3



LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-10-10 oc purlins, except end verticals.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		

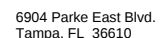
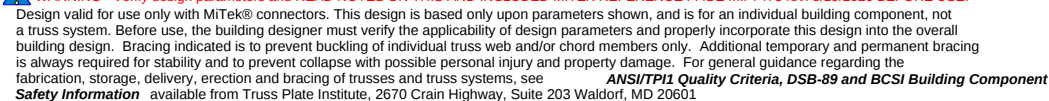
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1370/292
BOT CHORD 2-8=-323/1341, 7-8=-323/1341
WEBS 3-8=0/278, 3-7=-1238/294

- 1) 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; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=202, 6=110.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 26 lb down and 36 lb up at 5-0-7, 26 lb down and 36 lb up at 5-0-7, and 47 lb down and 69 lb up at 7-10-6, and 47 lb down and 69 lb up at 7-10-6 on top chord , and 6 lb down and 7 lb up at 2-2-8, 6 lb down and 7 lb up at 2-2-8, 22 lb down at 5-0-7, 22 lb down at 5-0-7, and 41 lb down at 7-10-6, and 41 lb down at 7-10-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-54, 2-6=-20
Concentrated Loads (lb)
Vert: 10=-10(F=-5, B=-5) 11=-8(F=-4, B=-4) 12=-94(F=-47, B=-47) 14=-21(F=-11, B=-11) 15=-77(F=-38, B=-38)



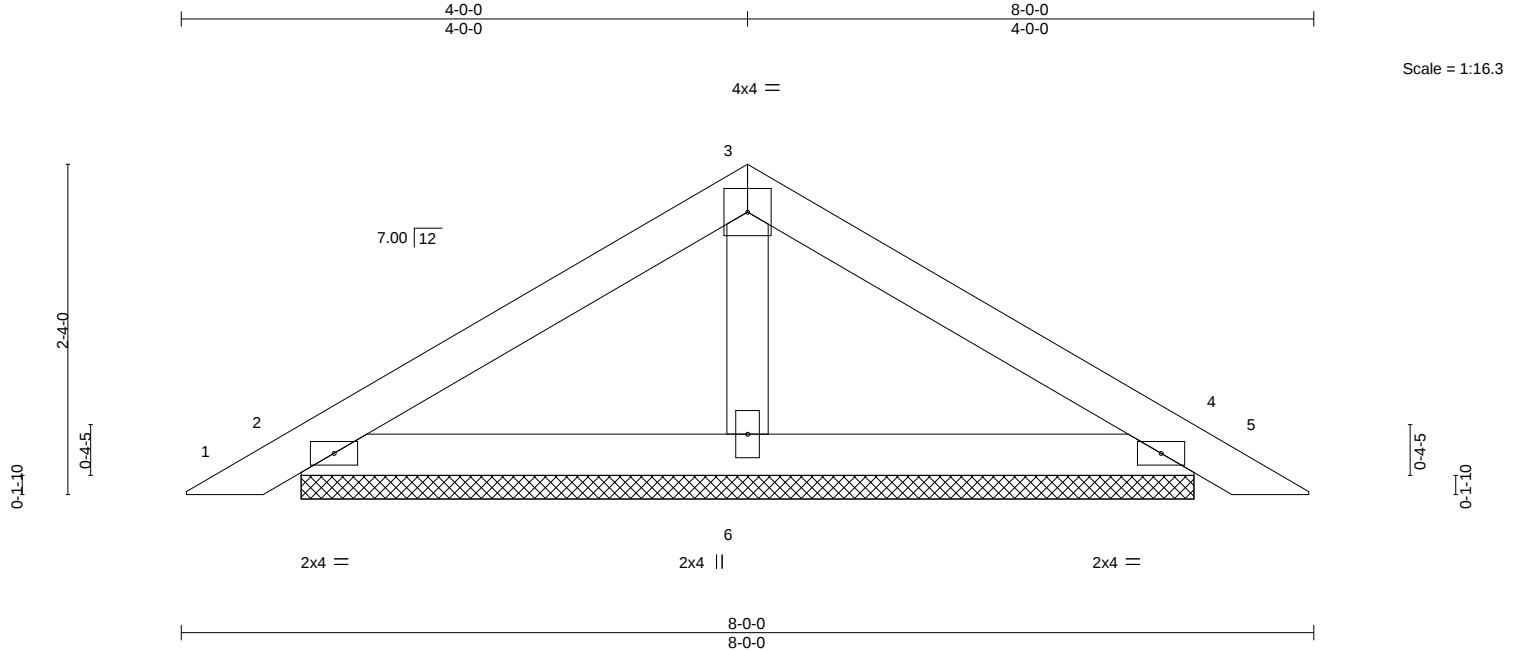
September 7, 2021



Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257034
2911950	PB01	Piggyback	23	1	Job Reference (optional)	

Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:44 2021 Page 1
ID:b2ldsklJGjOxOjHDJPP?LTyh2aU-d_pMig8XumqKbVjBXDKcNq590VDrKcJkM11cxVygj7f



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.14	Vert(LL)	0.00	5	n/r	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.10	Vert(CT)	0.01	5	n/r		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Horz(CT)	0.00	4	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-P					Weight: 25 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6'-0" oc purlins.
BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

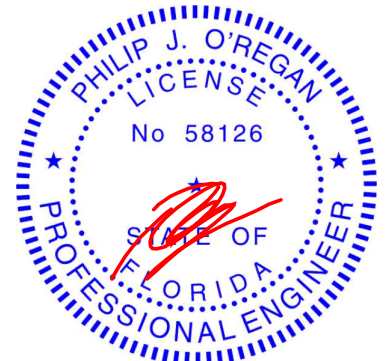
REACTIONS.

(size) 2=6-3-11, 4=6-3-11, 6=6-3-11
Max Horz 2=47(LC 11)
Max Uplift 2=-50(LC 12), 4=-56(LC 13), 6=-19(LC 12)
Max Grav 2=153(LC 1), 4=153(LC 1), 6=220(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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) 0-3-11 to 3-3-11, Interior(1) 3-3-11 to 4-0-0, Exterior(2R) 4-0-0 to 7-1-13, Interior(1) 7-1-13 to 7-8-5 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- 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" tall by 2'-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, 4, 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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September 7, 2021

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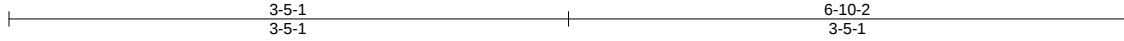


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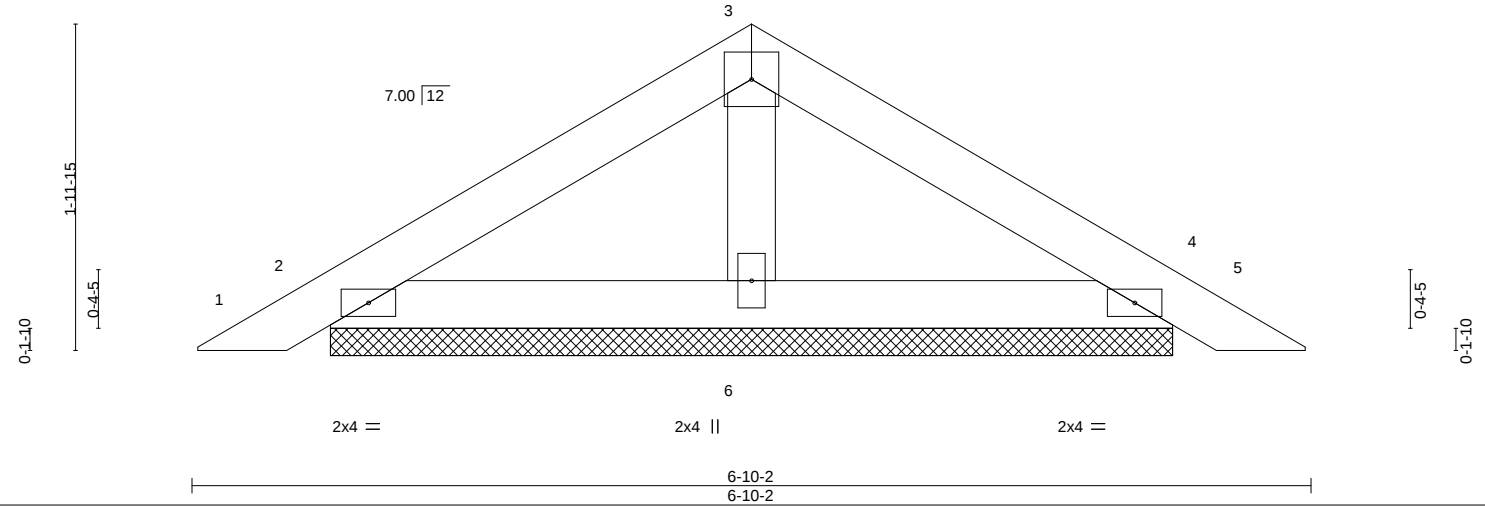
Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257035
2911950	PB01G	GABLE	2	1	Job Reference (optional)	

Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:44 2021 Page 1
ID:b2ldskJGjOxOjHDJPP?LTyh2aU-d_pMig8XumqKbVjBXDKcNq5ApVDNKcPkM11cxVygj7f



Scale = 1:14.1



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.09	Vert(LL)	0.00	5	n/r	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.07	Vert(CT)	0.00	5	n/r		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.02	Horz(CT)	0.00	4	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-P					Weight: 21 lb	FT = 20%

LUMBER-

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

BRACING-

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

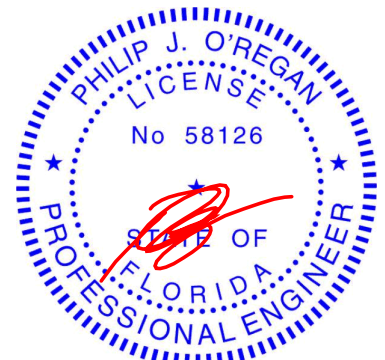
REACTIONS.

(size) 2=5-1-13, 4=5-1-13, 6=5-1-13
Max Horz 2=-40(LC 10)
Max Uplift 2=-43(LC 12), 4=-48(LC 13), 6=-14(LC 12)
Max Grav 2=131(LC 1), 4=131(LC 1), 6=178(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Date:

September 7, 2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
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Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257036
2911950	T01	Common	10	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:45 2021 Page 1
ID:b2ldskJGjOxOjHDJPp?LTyh2aU-5BNkw099f3yBDfIN5xrrw1e96uMl3_ntbhnATxygj7e



4x6 ||

Scale = 1:46.6

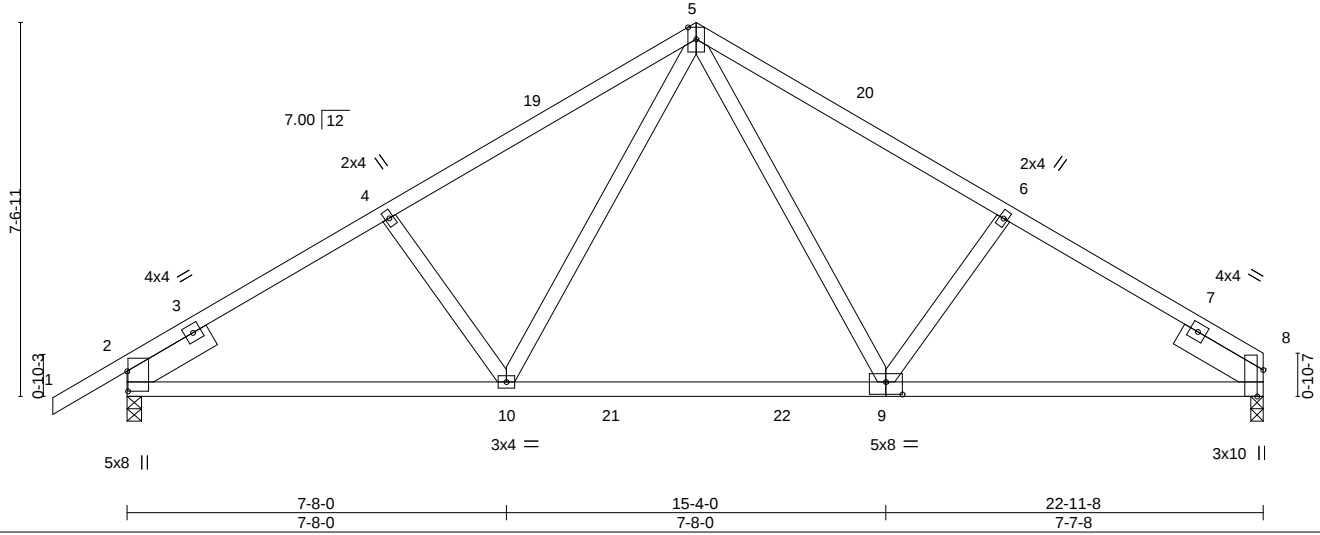


Plate Offsets (X,Y)-- [2:0-4-14,0-0-3], [8:0-6-7,Edge], [9:0-4-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.89	Vert(LL)	-0.27	9-10	>999	240	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.95	Vert(CT)	-0.50	9-10	>550	180		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.27	Horz(CT)	0.06	8	n/a	n/a		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS							
	Code FBC2020/TPI2014							Weight: 122 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-9: 2x4 SP M 31
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-8-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 8=0-3-0, 2=0-3-8
Max Horz 2=160(LC 9)
Max Uplift 8=-232(LC 13), 2=-265(LC 12)
Max Grav 8=1200(LC 20), 2=1278(LC 19)

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

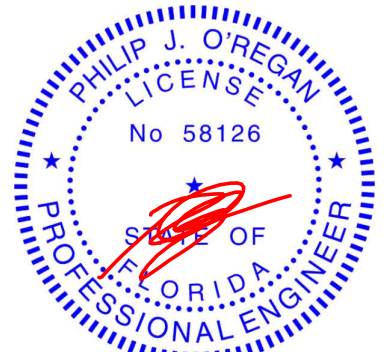
TOP CHORD 2-4=-1755/373, 4-5=-1656/386, 5-6=-1649/386, 6-8=-1747/373
BOT CHORD 2-10=-354/1550, 9-10=-161/1071, 8-9=-255/1431
WEBS 5-10=-193/788, 5-9=-192/772

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 11-6-0, Exterior(2R) 11-6-0 to 14-6-0, Interior(1) 14-6-0 to 22-11-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=232, 2=265.
- 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=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-8=-54, 10-15=-20, 9-10=-80(F=-60), 9-11=-20



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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257037
2911950	T01G	Common Supported Gable	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:47 2021 Page 1
ID:b2ldskJGjOxOjHDJpP?LTyh2aU-1ZVUKiBPBhCvSzSmCMuJ?SjhbiD5Xx7A2_GGXpygj7c

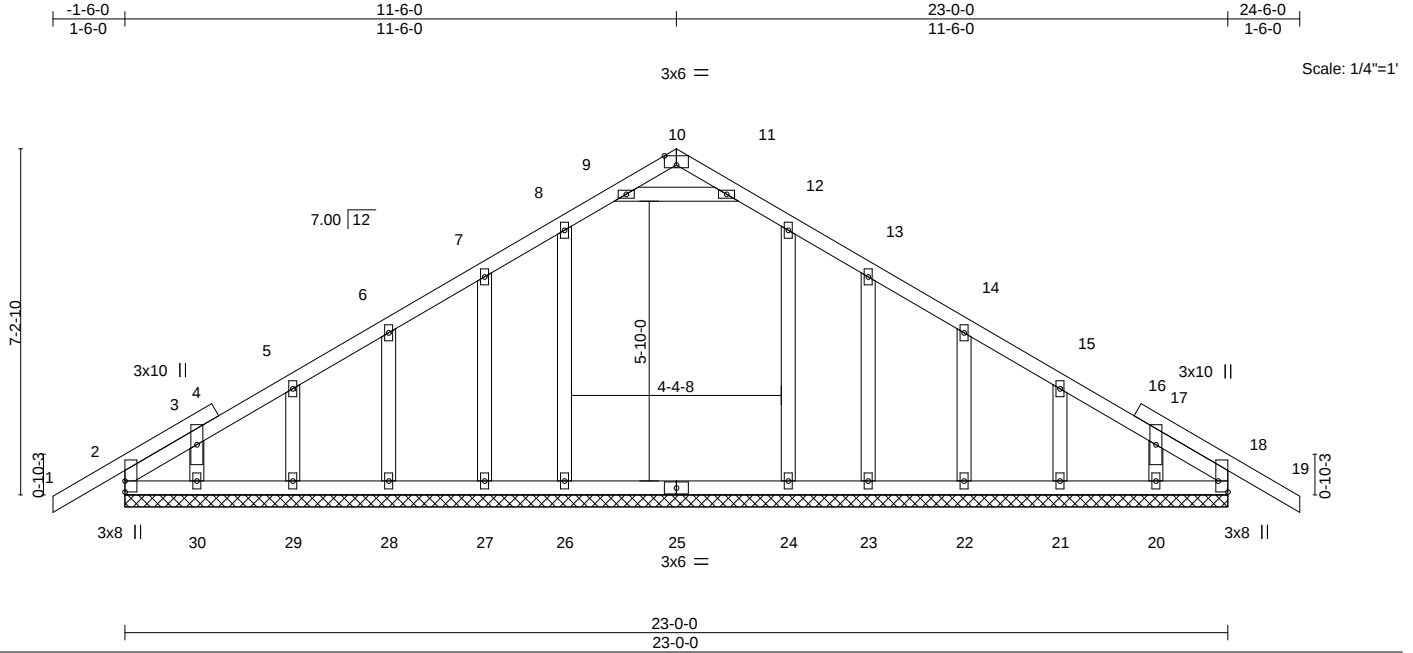


Plate Offsets (X,Y)--		[10:0-3-0,Edge], [18:Edge,0-2-7]													
LOADING	(psf)	SPACING-		CSL		DEFL.	in	(loc)	I/defl	L/d		PLATES	GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.01	19	n/r	120		MT20	244/190		
TCDL	7.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	-0.01	19	n/r	120					
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	18	n/a	n/a					
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S											
												Weight: 136 lb		FT = 20%	

LUMBER-

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

BRACING-

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

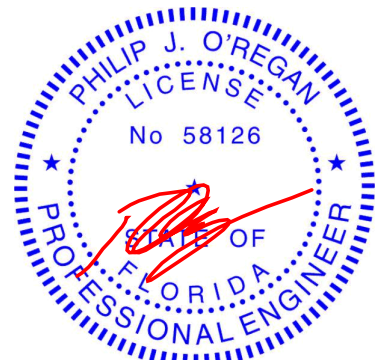
REACTIONS.

All bearings 23-0-0.
(lb) - Max Horz 2=-160(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 18, 26, 27, 28, 29, 30, 24, 23, 22, 21, 20
Max Grav All reactions 250 lb or less at joint(s) 2, 18, 27, 28, 29, 30, 23, 22, 21, 20 except 26=345(LC 19), 24=324(LC 20)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 11-6-0, Corner(3R) 11-6-0 to 14-6-0, Exterior(2N) 14-6-0 to 24-6-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2'-0-0 oc.
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 18, 26, 27, 28, 29, 30, 24, 23, 22, 21, 20.



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

September 7,2021

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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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257038
2911950	T02G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:48 2021 Page 1
ID:b2ldskJGjOxOjHDJPP?LTyh2aU-Vm3sY2B1x_Km461ym3PYYgGsL6cvGO6JHe?q4Gygj7b

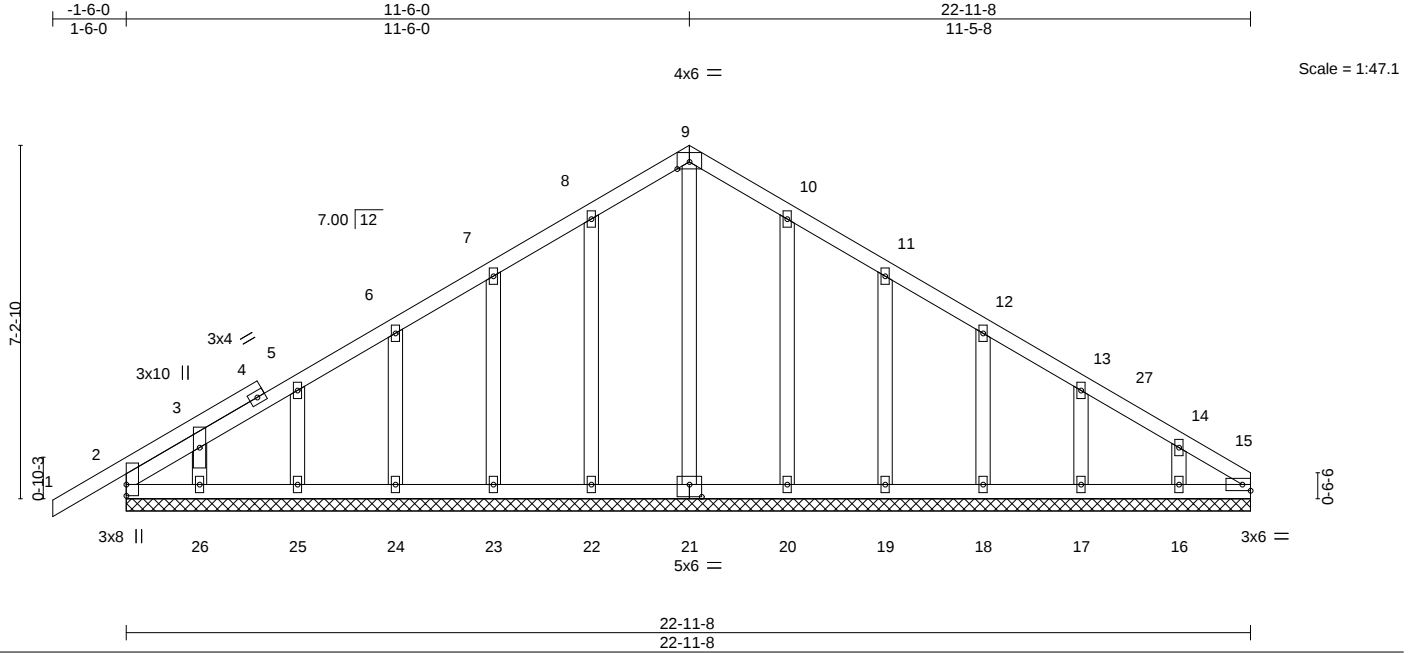


Plate Offsets (X,Y)-- [21:0-3-0,0-3-0]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00 1 n/r 120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00 1 n/r 120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00 15 n/a n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S				Weight: 138 lb	FT = 20%

LUMBER-

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

BRACING-

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

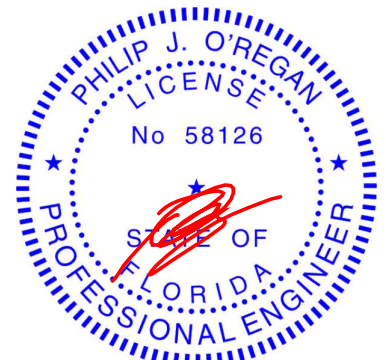
REACTIONS.

- All bearings 22-11-8.
(lb) - Max Horz 2=157(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 2, 15, 22, 23, 24, 25, 26, 20, 19, 18, 17, 16
Max Grav All reactions 250 lb or less at joint(s) 2, 15, 21, 22, 23, 24, 25, 26, 20, 19, 18, 17, 16

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 1-5-15, Exterior(2N) 1-5-15 to 11-6-0, Corner(3R) 11-6-0 to 14-6-0, Exterior(2N) 14-6-0 to 22-9-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 15, 22, 23, 24, 25, 26, 20, 19, 18, 17, 16.



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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257039
2911950	T03	Piggyback Base	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:49 2021 Page 1

ID:b2ldsklJGjOxOjHDJpP?LTyh2aU-_ydFIOCgltSdiGc8Kwnn4tpwoWqK?iwTWIINciyvj7a

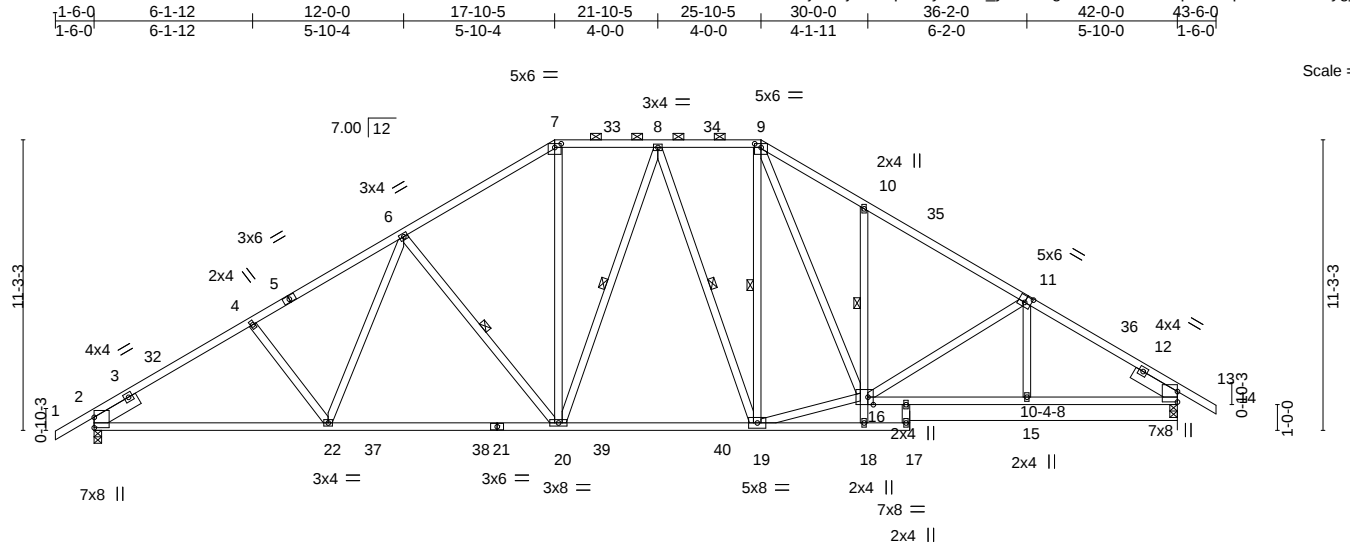


Plate Offsets (X,Y)--		[7:0-3-0,0-1-12], [9:0-3-0,0-1-12], [11:0-3-0,0-3-0], [16:0-2-8,Edge]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	in (loc)	I/defl	L/d	MT20	244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.53	Vert(LL)	-0.30 20-22	>999			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Vert(CT)	-0.50 20-22	>999			
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS		Horz(CT)	0.13 13	n/a			
										Weight: 299 lb	
										FT = 20%	

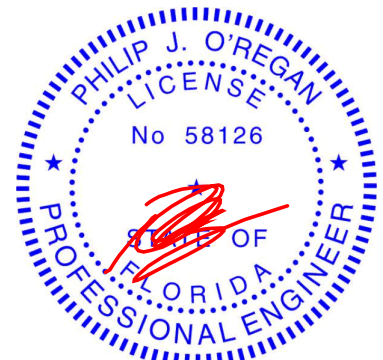
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 1-5,11-14: 2x4 SP M 31	TOP CHORD	Structural wood sheathing directly applied or 3-1-4 oc purlins, except 2-0-0 oc purlins (4-5-9 max.): 7-9.
BOT CHORD	2x4 SP M 31 *Except* 10-18: 2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 18-19.
WEBS	2x4 SP No.3		1 Row at midpt 10-16
SLIDER	Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8		10-0-0 oc bracing: 16-18
		WEBS	1 Row at midpt 6-20, 8-20, 8-19, 9-19

REACTIONS. (size) 2=0-3-8, 13=0-3-8
Max Horz 2=-240(LC 10)
Max Uplift 2=-356(LC 12), 13=-339(LC 13)
Max Grav 2=1842(LC 19), 13=1828(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2676/511, 4-6=-2550/518, 6-7=-2043/441, 7-8=-1707/423, 8-9=-1640/404,
9-10=-2434/565, 10-11=-2433/446, 11-13=-2698/470
BOT CHORD 2-22=-521/2373, 20-22=-391/2113, 19-20=-203/1705, 10-16=-346/212, 15-16=-305/2247,
13-15=-305/2248
WEBS 6-22=-81/462, 6-20=-643/267, 7-20=-141/802, 8-19=-327/178, 16-19=-134/1688,
9-16=-291/1183, 11-16=-304/162

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 2-8-6, Interior(1) 2-8-6 to 17-10-5, Exterior(2R) 17-10-5 to 23-9-9, Interior(1) 23-9-9 to 25-10-5, Exterior(2R) 25-10-5 to 31-9-9, Interior(1) 31-9-9 to 43-6-0 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=356, 13=339.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257040
2911950	T03G	GABLE Gable Gable COMMON Gable	1	1	Job Reference (optional)	

Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:52 2021 Page 1

ID:b2ldskJGjOxOjHDJPP?LTyh2aU-OXINOPFY?DqBZkKj?vTUivRYKjxtCC_vCGz1D1ygj7X

1-6-0 18-5-4 25-3-6 42-0-0 43-6-0
1-6-0 18-5-4 6-10-2 16-8-10 1-6-0

Scale = 1:80.7

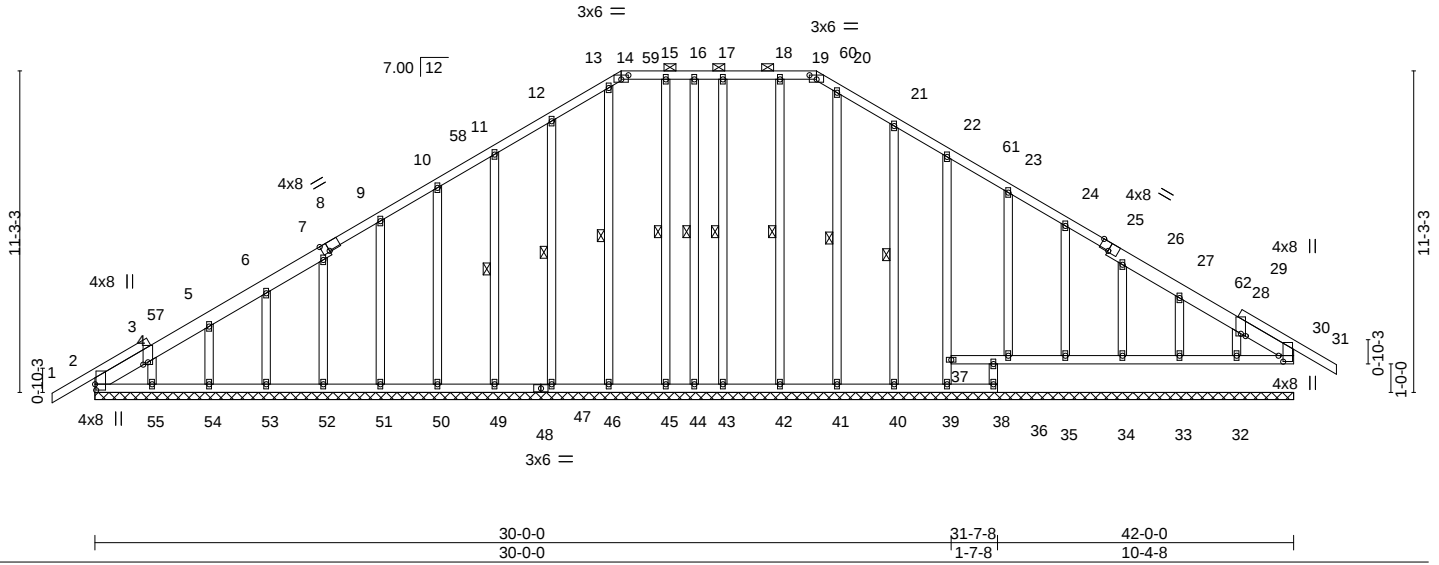


Plate Offsets (X,Y)-- [2:0-2-8,0-0-7], [3:0-1-0,0-2-0], [8:0-2-13,Edge], [14:0-3-0,0-1-12], [19:0-3-0,0-1-12], [25:0-4-0,Edge], [29:0-1-0,0-2-0], [30:0-2-8,0-1-15]

LOADING (psf)	SPACING-	CSL	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.12	Vert(LL)	-0.01	31	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.15	Vert(CT)	-0.01	31	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.11	Horz(CT)	0.02	30	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S						Weight: 369 lb	FT = 20%

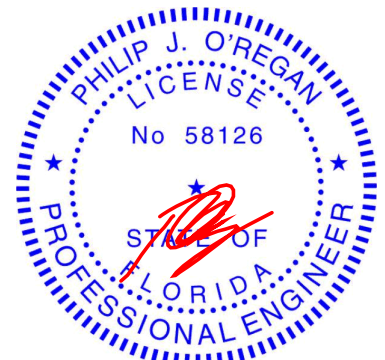
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 2-8,25-30: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 14-19.
BOT CHORD 2x4 SP No.2 *Except* 22-39: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
WEBS 2x4 SP No.2	10-0-0 oc bracing: 37-39
OTHERS 2x4 SP No.3	1 Row at midpt 16-44, 21-40, 20-41, 18-42, 17-43, 11-49, 12-47, 13-46, 15-45

REACTIONS. All bearings 42-0-0.
(lb) - Max Horz 2=241(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 2, 37, 30, 44, 32, 33, 34, 35, 36,
42, 43, 55, 54, 53, 52, 51, 50, 49, 47, 46, 45 except 40=103(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 39, 37, 30, 44, 32, 33, 34, 35,
36, 40, 41, 42, 43, 55, 54, 53, 52, 51, 50, 49, 47, 46, 45, 38

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=113/276, 20-21=111/256

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 2-8-6, Interior(1) 2-8-6 to 18-5-4, Exterior(2R) 18-5-4
to 24-4-8, Interior(1) 24-4-8 to 25-3-6, Exterior(2R) 25-3-6 to 31-2-10, Interior(1) 31-2-10 to 43-6-0 zone; C-C for members and forces
& MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry
Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific
to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 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.
- Bearing at joint(s) 37 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify
capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 37, 30, 44, 32,
33, 34, 35, 36, 42, 43, 55, 54, 53, 52, 51, 50, 49, 47, 46, 45 except (jt=lb) 40=103.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 30, 32, 33, 34, 35, 36.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:

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building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing
is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the
fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257041
2911950	T04	Piggyback Base	4	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:53 2021 Page 1

ID:b2ldsklJGjOxOjHDJpP?LTyh2aU-sjsblfAmXy2AuvwZc?jFjzap79OxTP2RwjbITygi7W

1-6-0	7-0-0	14-0-0	17-10-5	21-10-5	25-10-5	31-0-0	36-2-0	42-0-0	44-8-0
1-6-0	7-0-0	7-0-0	3-10-5	4-0-0	4-0-0	5-1-11	5-2-0	5-10-0	2-8-0

Scale = 1:81.5

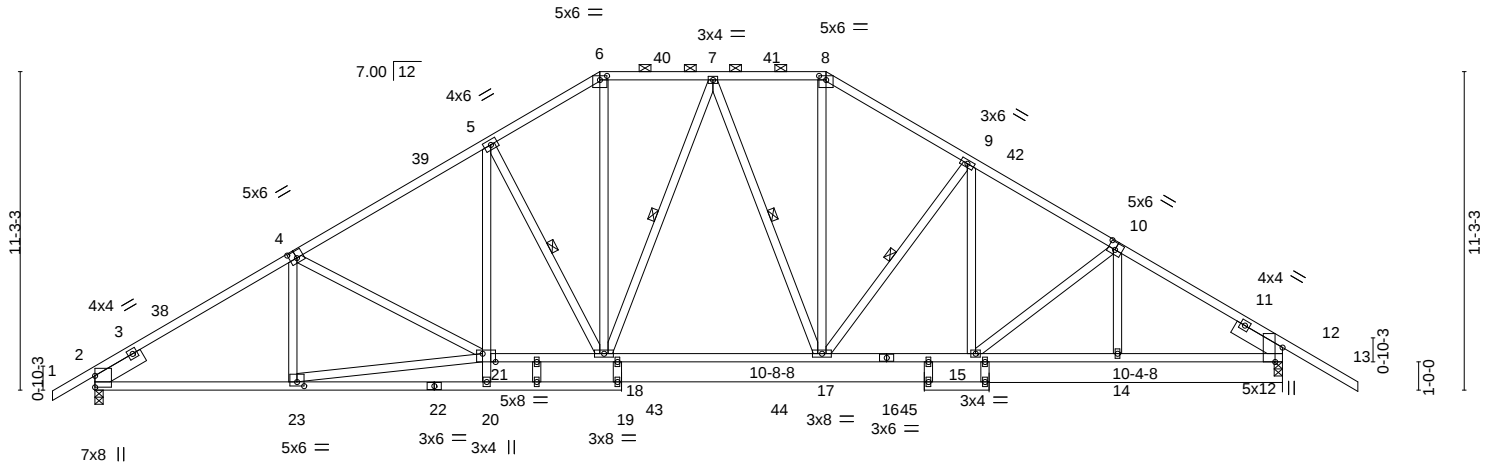


Plate Offsets (X,Y)--	[4:0-3-0,0-3-0], [6:0-3-0,0-1-12], [8:0-3-0,0-1-12], [10:0-3-0,0-3-0], [12:0-6-2,Edge], [21:0-5-8,Edge], [23:0-3-0,0-1-12]
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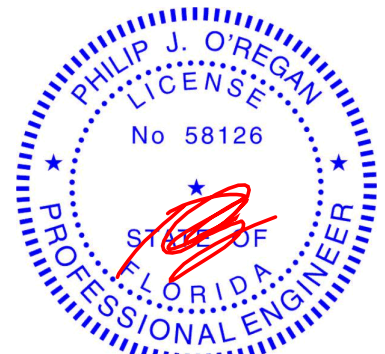
LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.65	Vert(LL) -0.49	19	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.65	Vert(CT) -0.99	19	>508	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.87	Horz(CT) 0.16	12	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS					Weight: 313 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 1-4,10-13: 2x4 SP M 31	TOP CHORD Structural wood sheathing directly applied or 2-7-9 oc purlins, except 2-0-0 oc purlins (4-1-3 max.): 6-8.
BOT CHORD 2x4 SP M 31 *Except* 5-20,27-28: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 20-23.
WEBS 2x4 SP No.3	WEBS 10-0-0 oc bracing: 20-21
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8	WEBS 1 Row at midpt 5-18, 7-18, 7-17, 9-17

REACTIONS. (size) 2=0-3-8, 12=0-3-8
Max Horz 2=-250(LC 10)
Max Uplift 2=-341(LC 12), 12=-361(LC 13)
Max Grav 2=1890(LC 19), 12=1912(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2755/473, 4-5=-2774/474, 5-6=-2311/460, 6-7=-1955/422, 7-8=-1857/395,
8-9=-2205/413, 9-10=-2514/443, 10-12=-2686/443
BOT CHORD 2-23=-472/2451, 20-21=0/377, 5-21=-74/725, 18-21=-336/2419, 17-18=-197/1941,
15-17=-198/2150, 14-15=-255/2229, 12-14=-255/2229
WEBS 4-23=-270/102, 21-23=-416/2430, 5-18=-945/257, 6-18=-149/1001, 7-17=-373/171,
8-17=-149/902, 9-17=-602/229, 9-15=-48/330

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - 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 2-8-6, Interior(1) 2-8-6 to 17-10-5, Exterior(2R) 17-10-5 to 23-9-9, Interior(1) 23-9-9 to 25-10-5, Exterior(2R) 25-10-5 to 31-9-9, Interior(1) 31-9-9 to 44-8-0 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=341, 12=361.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:

September 7,2021

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



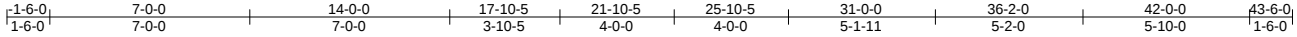
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257042
2911950	T05	Piggyback Base	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:55 2021 Page 1

ID:b2ldskJGjOxOjHDJPp?LTyh2aU-o6_W0RHQI8DmQB3lg11BK82wHwsOPNtLuEChqMygj7U



Scale = 1:80.7

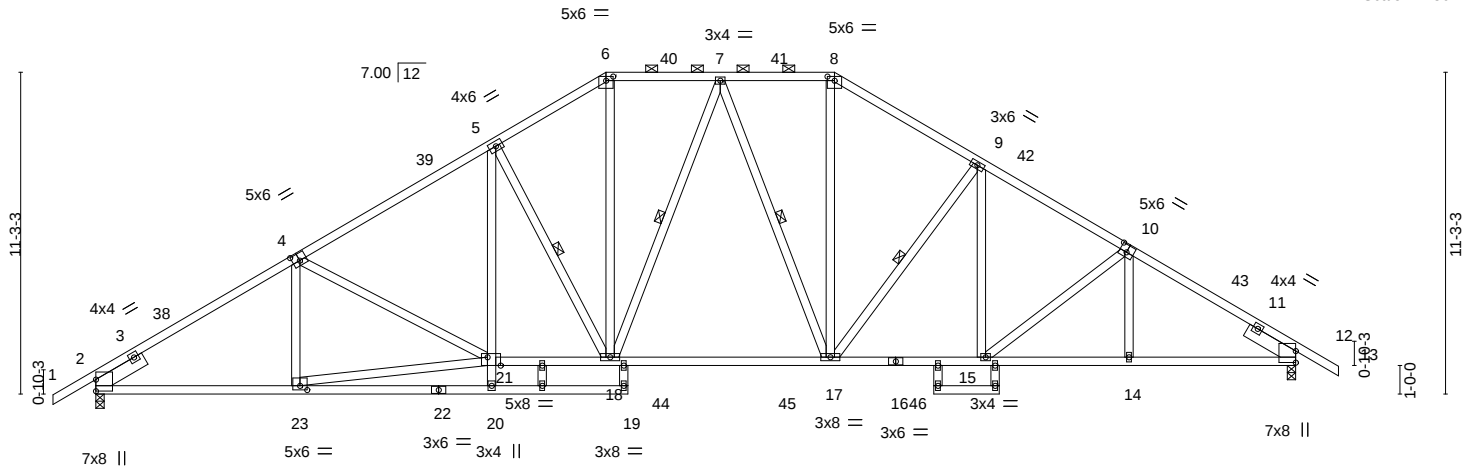


Plate Offsets (X,Y)-- [4:0-3-0,0-3-0], [6:0-3-0,0-1-12], [8:0-3-0,0-1-12], [10:0-3-0,0-3-0], [21:0-5-8,Edge], [23:0-3-0,0-1-12]

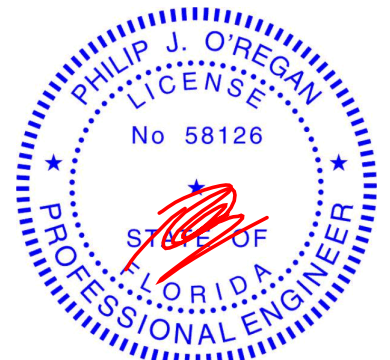
LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.65	Vert(LL) -0.49	19	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.61	Vert(CT) -0.99	19	>509	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.87	Horz(CT) 0.15	12	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS					Weight: 311 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 1-4,10-13: 2x4 SP M 31	TOP CHORD Structural wood sheathing directly applied or 2-7-7 oc purlins, except 2-0-0 oc purlins (4-1-2 max.): 6-8.
BOT CHORD 2x4 SP M 31 *Except* 5-20,25-26: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 20-23.
WEBS 2x4 SP No.3	WEBS 10-0-0 oc bracing: 20-21
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8	1 Row at midpt 5-18, 7-18, 7-17, 9-17

REACTIONS. (size) 2=0-3-8, 12=0-3-8
Max Horz 2=-240(LC 10)
Max Uplift 2=-342(LC 12), 12=-336(LC 13)
Max Grav 2=1892(LC 19), 12=1852(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2760/474, 4-5=-2780/476, 5-6=-2317/462, 6-7=-1960/424, 7-8=-1864/400,
8-9=-2213/419, 9-10=-2528/452, 10-12=-2715/462
BOT CHORD 2-23=-482/2446, 20-21=0/377, 5-21=-75/725, 18-21=-348/2414, 17-18=-209/1947,
15-17=-210/2160, 14-15=-294/2259, 12-14=-294/2259
WEBS 4-23=-271/103, 21-23=-425/2425, 5-18=-944/258, 6-18=-151/1003, 7-17=-372/171,
8-17=-149/905, 9-17=-609/233, 9-15=-54/343

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - 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 2-8-6, Interior(1) 2-8-6 to 17-10-5, Exterior(2R) 17-10-5 to 23-9-9, Interior(1) 23-9-9 to 25-10-5, Exterior(2R) 25-10-5 to 31-9-9, Interior(1) 31-9-9 to 43-6-0 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=342, 12=336.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date: September 7,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257043
2911950	T06	Piggyback Base	2	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

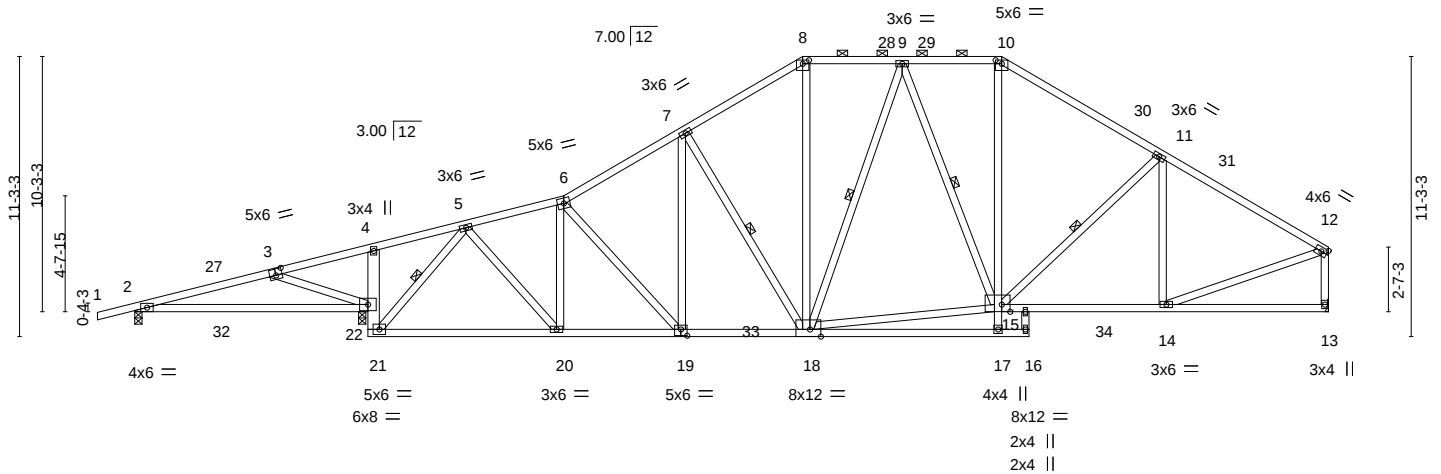
8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:56 2021 Page 1

ID:b2ldsklJGjOxOjHDJpp?LTyh2aU-GIYuDnl33SLd1LeUEIYQTLb50KA08v3V7uxFMoygj7T

1-6-0	5-8-0	9-4-8	13-3-12	17-3-0	22-0-0	26-10-5	30-10-5	34-10-5	41-4-0	48-0-0
1-6-0	5-8-0	3-8-8	3-11-4	3-11-4	4-9-0	4-10-5	4-0-0	4-0-0	6-5-11	6-8-0

5x6 =

Scale = 1:92.6



	9-0-0	9-4-8	17-3-0	22-0-0	26-10-5	34-10-5	35-11-8	41-4-0	48-0-0
	9-0-0	0-4-8	7-10-8	4-9-0	4-10-5	8-0-0	1-1-3	5-4-8	6-8-0
Plate Offsets (X,Y)--	[3:0-3-0,0-3-0], [8:0-3-0,0-1-12], [10:0-3-0,0-1-12], [15:0-4-1,0-3-7], [18:0-5-4,0-3-7], [19:0-3-0,0-3-0]								

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.65	Vert(LL)	0.35	22-26	>328	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.65	Vert(CT)	-0.35	22-26	>333	180	
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.55	Horz(CT)	0.04	13	n/a	n/a	
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-MS						
								Weight: 337 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 4-21: 2x6 SP No.2, 10-17: 2x4 SP No.3
 WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-6 oc purlins, except end verticals, and 2-0-0 oc purlins (5-0-8 max.): 8-10.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-22.
 10-0-0 oc bracing: 15-17
 WEBS 1 Row at midpt 5-21, 7-18, 9-18, 9-15, 11-15

REACTIONS.

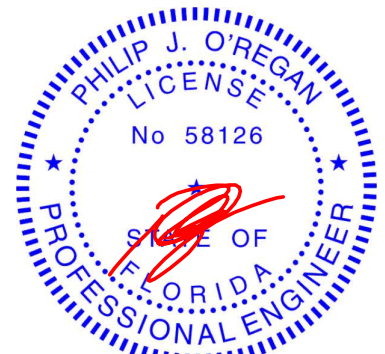
(size) 2=0-3-8, 13=Mechanical, 22=0-3-8
 Max Horz 2=230(LC 9)
 Max Uplift 2=209(LC 8), 13=-236(LC 13), 22=-452(LC 12)
 Max Grav 2=304(LC 23), 13=1545(LC 2), 22=2131(LC 2)

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

TOP CHORD 3-4=-271/569, 4-5=-236/437, 5-6=-1648/379, 6-7=-1805/490, 7-8=-1566/512,
 8-9=-1309/484, 9-10=-1338/490, 10-11=-1627/508, 11-12=-1705/437, 12-13=-1448/390
 BOT CHORD 21-22=-416/1596, 20-21=-184/860, 19-20=-320/1594, 18-19=-321/1522, 10-15=-116/563,
 14-15=-309/1418
 WEBS 3-22=-575/475, 5-21=-1931/573, 5-20=-260/1097, 6-20=-584/240, 7-19=-16/254,
 7-18=-464/197, 8-18=-139/581, 9-18=-284/134, 15-18=-247/1226, 11-14=-294/153,
 12-14=-311/1453

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 3-3-10, Interior(1) 3-3-10 to 26-10-5, Exterior(2R) 26-10-5 to 31-7-14, Interior(1) 31-7-14 to 34-10-5, Exterior(2R) 34-10-5 to 39-7-15, Interior(1) 39-7-15 to 47-10-4 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=209, 13=236, 22=452.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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September 7, 2021

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6904 Parke East Blvd.
 Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257044
2911950	T07	Piggyback Base	1	1	Job Reference (optional)	

Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:02:58 2021 Page 1

ID:b2ldskJGjOxOjHDJPp?LTyh2aU-DhfeeTJJb3bLHfotLaavymgQO8qScploaCQMqhygj7R

1-6-0	5-8-0	9-4-8	13-2-0	17-3-0	22-0-0	25-7-8	26-10-5	30-10-5	34-10-5	41-4-0	48-0-0
1-6-0	5-8-0	3-8-8	3-9-8	4-1-0	4-9-0	3-7-8	1-2-13	4-0-0	4-0-0	6-5-11	6-8-0

Scale = 1:98.8

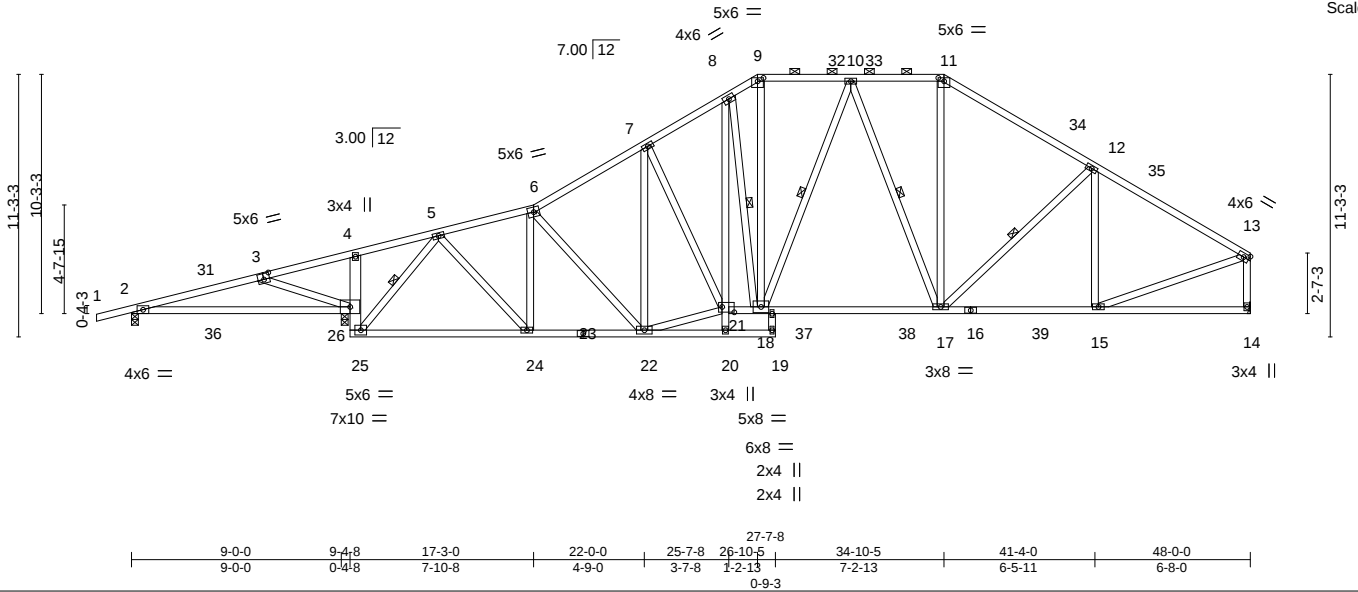


Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [9:0-3-0,0-1-12], [11:0-3-0,0-1-12], [21:0-6-4,0-2-12]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.66	Vert(LL) 0.35	26-30	>329	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.78	Vert(CT) -0.35	26-30	>334	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.57	Horz(CT) 0.05	14	n/a	n/a		
BCDL 10.0	Code FBC2020/TP12014	Matrix-MS					Weight: 354 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 4-25: 2x6 SP No.2, 8-20: 2x4 SP No.3
 WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-8-13 max.): 9-11.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 6-0-0 oc bracing: 2-26.
 10-0-0 oc bracing: 20-21
 1 Row at midpt 5-25, 8-18, 10-18, 10-17, 12-17

REACTIONS.

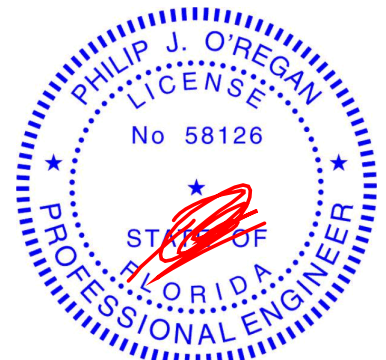
(size) 2=0-3-8, 14=Mechanical, 26=0-3-8
 Max Horz 2=231(LC 9)
 Max Uplift 2=-211(LC 8), 14=-235(LC 13), 26=-450(LC 12)
 Max Grav 2=296(LC 23), 14=1569(LC 2), 26=2176(LC 2)

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

TOP CHORD 3-4=-282/611, 4-5=-246/464, 5-6=-1681/369, 6-7=-1847/480, 7-8=-1868/541,
 8-9=-1731/555, 9-10=-1509/497, 10-11=-1387/488, 11-12=-1680/505, 12-13=-1727/436,
 13-14=-1465/390
 BOT CHORD 25-26=-417/1641, 24-25=-169/828, 22-24=-310/1626, 8-21=-151/426, 18-21=-272/1558,
 17-18=-256/1481, 15-17=-309/1437
 WEBS 3-26=-578/476, 5-25=-1965/566, 5-24=-268/1163, 6-24=-607/242, 7-22=-271/103,
 21-22=-291/1498, 8-18=-462/210, 9-18=-211/718, 10-17=-374/152, 11-17=-116/592,
 12-15=-309/149, 13-15=-311/1470

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 3-3-10, Interior(1) 3-3-10 to 26-10-5, Exterior(2R) 26-10-5 to 31-7-14, Interior(1) 31-7-14 to 34-10-5, Exterior(2R) 34-10-5 to 39-7-14, Interior(1) 39-7-14 to 47-10-4 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are 3x6 MT20 unless otherwise indicated.
- 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, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=211, 14=235, 26=450.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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6904 Parke East Blvd.
 Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257045
2911950	T08	Piggyback Base	7	1	Job Reference (optional)	

Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:03:00 2021 Page 1

ID:b2ldskJGjOxOjHDJPP?LTyh2aU-93nP38LZ7gr3WzyGTadN1BmnvxxS4ih42WvSVZygj7P

1-6-0	5-8-0	9-1-12	13-2-0	17-3-0	22-0-0	26-10-5	30-10-5	34-10-5	41-4-0	48-0-0
1-6-0	5-8-0	3-5-12	4-0-4	4-1-0	4-9-0	4-10-5	4-0-0	4-0-0	6-5-11	6-8-0

Scale = 1:86.3

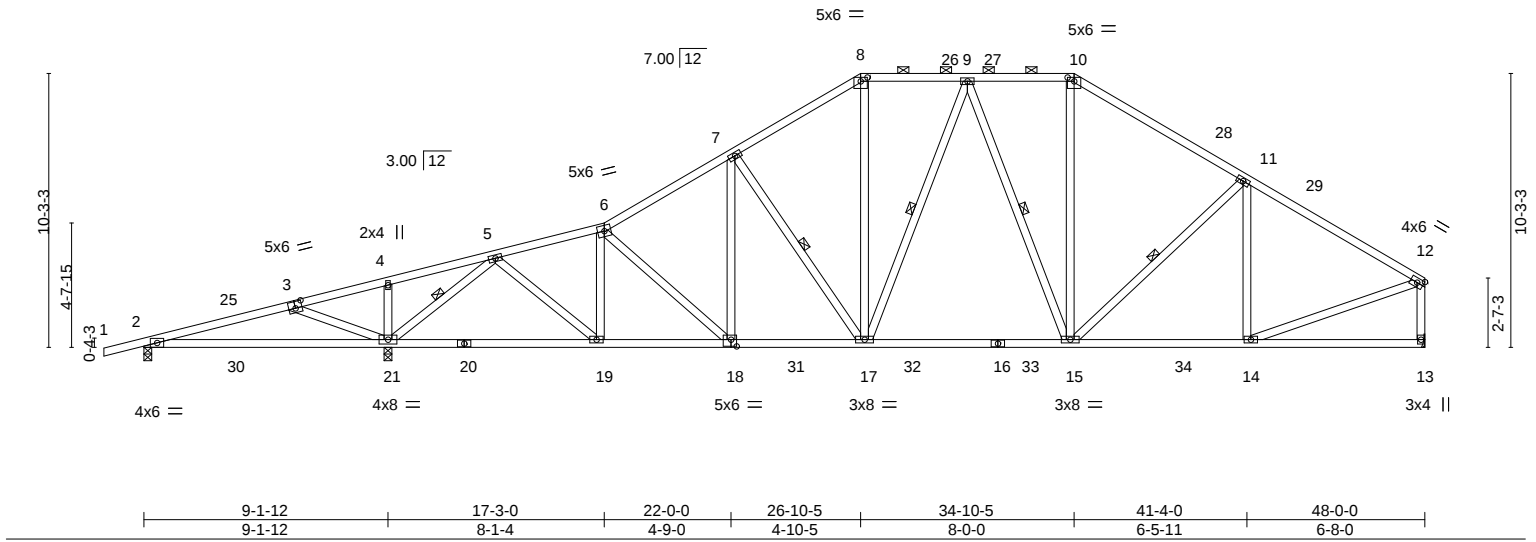


Plate Offsets (X,Y)--		[3:0-3-0,0-3-0], [8:0-3-0,0-1-12], [10:0-3-0,0-1-12], [18:0-2-8,0-3-0]
LOADING (psf)	SPACING-	2-0-0
TCLL 20.0	Plate Grip DOL	1.25
TCDL 7.0	Lumber DOL	1.25
BCLL 0.0 *	Rep Stress Incr	YES
BCDL 10.0	Code	FBC2020/TP12014
	CSI.	
	TC	0.60
	BC	0.75
	WB	0.58
	Matrix-MS	
	DEFL.	
	in (loc)	l/defl
	Vert(LL)	0.30 21-24 >372 240
	Vert(CT)	0.26 21-24 >424 180
	Horz(CT)	0.07 13 n/a n/a
	PLATES	GRIP
	MT20	244/190
	Weight: 307 lb	FT = 20%

LUMBER-

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

REACTIONS.

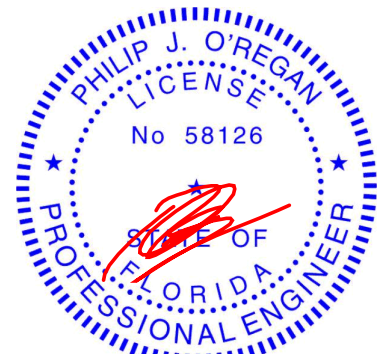
(size) 2=0-3-8, 21=0-3-8, 13=Mechanical
Max Horz 2=231(LC 9)
Max Uplift 2=-195(LC 8), 21=-476(LC 12), 13=-239(LC 13)
Max Grav 2=182(LC 23), 21=2303(LC 2), 13=1540(LC 2)

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

TOP CHORD 2-3=-162/701, 3-4=-323/1037, 4-5=-305/1048, 5-6=-1963/455, 6-7=-2033/556,
7-8=-1725/548, 8-9=-1445/517, 9-10=-1351/500, 10-11=-1638/519, 11-12=-1692/447,
12-13=-1436/399
BOT CHORD 2-21=-639/107, 19-21=-237/995, 18-19=-403/1900, 17-18=-383/1720, 15-17=-271/1431,
14-15=-318/1407
WEBS 3-21=-496/421, 5-21=-2590/676, 5-19=-217/1163, 6-19=-534/237, 6-18=-256/86,
7-17=-533/215, 8-17=-156/661, 9-15=-345/161, 10-15=-123/572, 11-14=-301/153,
12-14=-320/1438, 7-18=-37/327

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 3-3-10, Interior(1) 3-3-10 to 26-10-5, Exterior(2R) 26-10-5 to 31-7-14, Interior(1) 31-7-14 to 34-10-5, Exterior(2R) 34-10-5 to 39-7-14, Interior(1) 39-7-14 to 47-10-4 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are 3x6 MT20 unless otherwise indicated.
- 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, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=195, 21=476, 13=239.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:

September 7, 2021

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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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257046
2911950	T08G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:03:02 2021 Page 1

ID:b2ldskJGjOxOjHDJPP?LTyh2aU-5Sv9UqMpel5nlG5ea?fr6cr7DlAqYaHNVqOZZSygi7N

1-6-0	5-8-0	9-4-8	13-2-0	17-3-0	22-0-0	26-10-5	30-10-5	34-10-5	39-4-0	45-2-0	51-0-0	52-6-0
1-6-0	5-8-0	3-8-8	3-9-8	4-1-0	4-9-0	4-10-5	4-0-0	4-0-0	4-5-11	5-10-0	5-10-0	1-6-0

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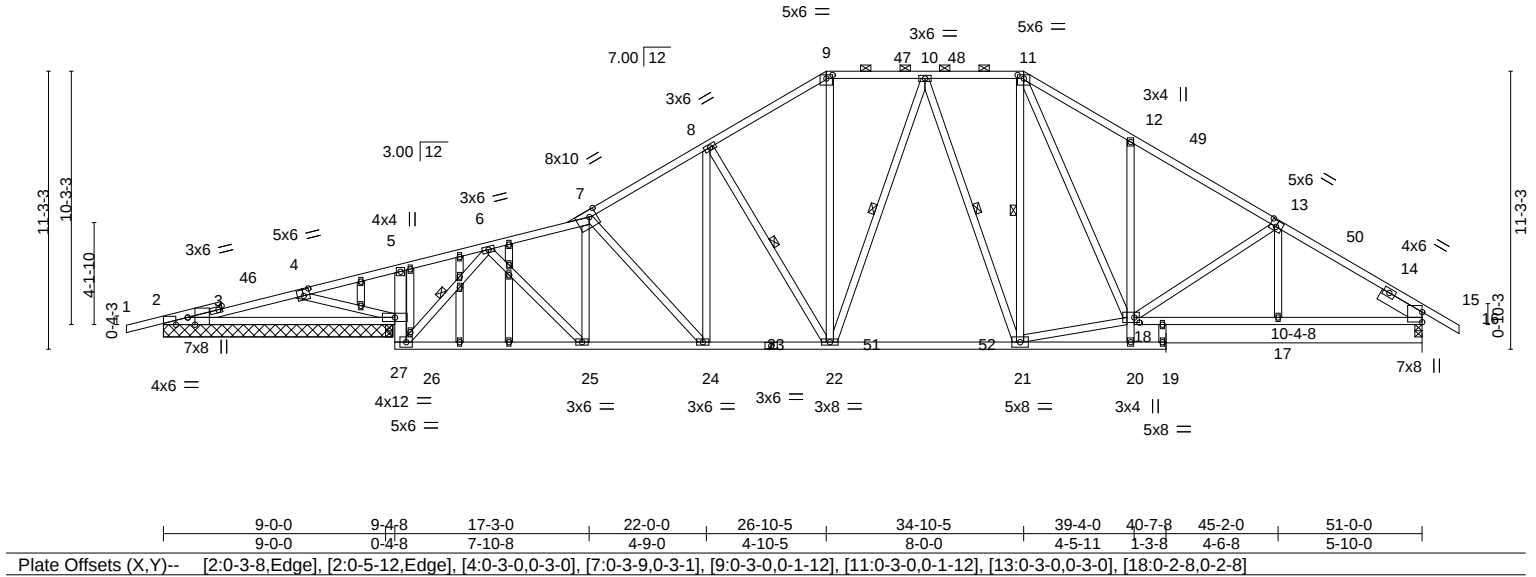


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-5-12,Edge], [4:0-3-0,0-3-0], [7:0-3-9,0-3-1], [9:0-3-0,0-1-12], [11:0-3-0,0-1-12], [13:0-3-0,0-3-0], [18:0-2-8,0-2-8]																	
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl	L/d	PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC	0.61	Vert(LL)	-0.24	21-22	>999		240	MT20		244/190	
TCDL	7.0	Lumber DOL		1.25		BC	0.88	Vert(CT)	-0.41	21-22	>999		180				
BCLL	0.0 *	Rep Stress Incr		YES		WB	0.76	Horz(CT)	0.09	15	n/a		n/a				
BCDL	10.0	Code FBC2020/TPI2014				Matrix-MS								Weight: 377 lb		FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
13-16: 2x4 SP M 31
BOT CHORD 2x4 SP No.2 *Except*
5-26: 2x6 SP No.2, 12-20: 2x4 SP No.3, 15-18: 2x4 SP M 31
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

REACTIONS.

All bearings 9-3-8 except (jt=length) 15=0-3-8.
(lb) - Max Horz 2=236(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-142(LC 8), 27=-459(LC 12), 15=-308(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2 except 2=255(LC 23), 27=2361(LC 2), 27=2138(LC 1), 15=1752(LC 20)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-116/477, 4-5=-251/963, 5-6=-167/690, 6-7=-1868/533, 7-8=-2034/608, 8-9=-1803/610, 9-10=-1511/567, 10-11=-1516/568, 11-12=-2288/772, 12-13=-2280/638, 13-15=-2539/636
BOT CHORD 2-27=-379/80, 26-27=-389/1804, 5-27=-266/128, 25-26=-188/861, 24-25=-363/1762, 22-24=-314/1689, 21-22=-230/1545, 12-18=-343/236, 17-18=-448/2113, 15-17=-447/2113
WEBS 4-27=-632/230, 6-26=-2243/547, 6-25=-266/1336, 7-25=-704/232, 8-22=-406/213, 9-22=-193/705, 10-22=-276/143, 10-21=-251/166, 18-21=-190/1547, 11-18=-338/1110, 13-18=-295/159

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 3-7-3, Interior(1) 3-7-3 to 26-10-5, Exterior(2R) 26-10-5 to 31-11-8, Interior(1) 31-11-8 to 34-10-5, Exterior(2R) 34-10-5 to 39-11-8, Interior(1) 39-11-8 to 52-6-0 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- 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, with BCDL = 10.0psf.

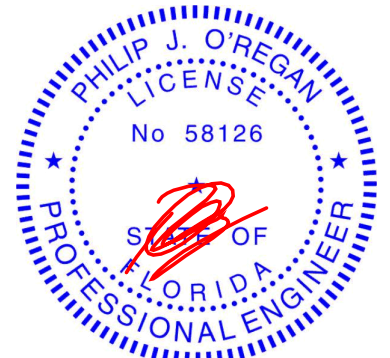
Continued on page 2

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Date:

September 7, 2021



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257046
2911950	T08G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:03:02 2021 Page 2
ID:b2ldskJJGjOxOjHDJPP?LTyh2aU-5Sv9UqMpel5nlG5ea?fr6cr7DIaQYaHNVqOZZSygj7N

- NOTES-**
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 142 lb uplift at joint 2, 459 lb uplift at joint 27, 308 lb uplift at joint 15 and 142 lb uplift at joint 2.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257047
2911950	T09	Piggyback Base	6	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:03:03 2021 Page 1

ID:b2ldskJGjOxOjHDJPp?LTyh2aU-ZeTXhANSPbDdNQgr8jA4fqOH99YMH_vxKU876uygj7M

1-6-0	5-8-0	9-1-12	11-3-8	17-3-0	23-4-8	26-10-5	30-10-5	34-10-5	41-4-0	48-0-0
1-6-0	5-8-0	3-5-12	2-1-12	5-11-8	6-1-8	3-5-12	4-0-0	4-0-0	6-5-11	6-8-0

Scale = 1:87.9

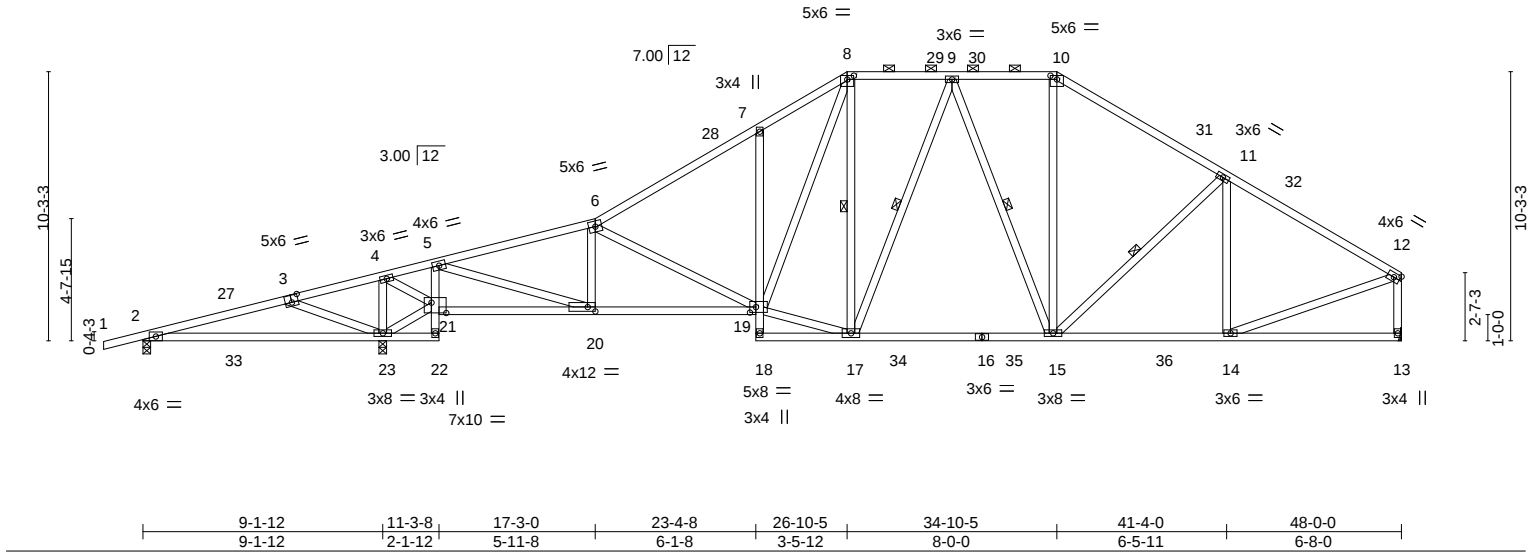


Plate Offsets (X,Y)--	[3:0-3-0,0-3-4], [8:0-3-0,0-1-12], [10:0-3-0,0-1-12], [19:0-2-12,0-2-8], [20:0-3-8,0-2-0], [21:0-6-12,0-4-12]
-----------------------	---

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.66	Vert(LL) 0.24	23-26	>461	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.74	Vert(CT) 0.20	23-26	>548	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.87	Horz(CT) 0.07	13	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS					Weight: 318 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-4-10 oc purlins, except end verticals, and 2-0-0 oc purlins (4-11-0 max.): 8-10.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 5-11-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 8-17, 9-17, 9-15, 11-15

REACTIONS. (size) 2=0-3-8, 23=0-3-8, 13=Mechanical
Max Horz 2=231(LC 9)
Max Uplift 2=198(LC 8), 23=504(LC 12), 13=239(LC 13)
Max Grav 2=120(LC 23), 23=2360(LC 2), 13=1513(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=243/947, 3-4=409/1316, 5-6=2374/561, 6-7=2126/585, 7-8=2101/713,
8-9=1386/507, 9-10=1315/496, 10-11=1597/513, 11-12=1658/442, 12-13=1409/395
BOT CHORD 2-23=838/99, 5-21=1477/485, 19-20=515/2286, 7-19=330/237, 15-17=266/1385,
14-15=315/1378
WEBS 3-23=547/412, 4-23=1052/282, 21-23=1418/324, 4-21=338/1473, 5-20=609/2275,
6-20=479/223, 6-19=569/159, 17-19=229/1437, 8-19=372/1139, 9-15=333/158,
10-15=122/554, 11-14=295/151, 12-14=317/1407

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 3-3-10, Interior(1) 3-3-10 to 26-10-5, Exterior(2R) 26-10-5 to 31-7-14, Interior(1) 31-7-14 to 34-10-5, Exterior(2R) 34-10-5 to 39-7-14, Interior(1) 39-7-14 to 47-10-4 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 198 lb uplift at joint 2, 504 lb uplift at joint 23 and 239 lb uplift at joint 13.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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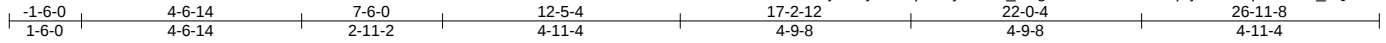


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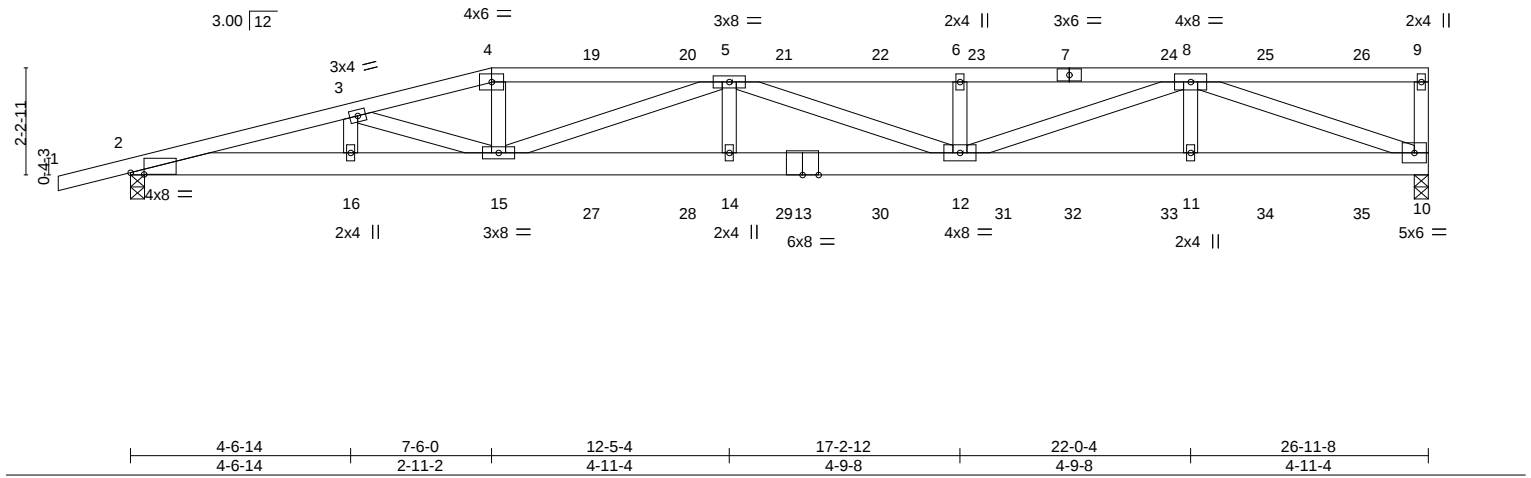
Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257048
2911950	T10	Half Hip Girder	1	2	Job Reference (optional)	

Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:03:06 2021 Page 1
ID:b2ldsklJGjOxOjHDJPP?LTyh2aU-_D8gKCPKiWbCEuPPprjnHS0oqMXDUN_zQSMniDygy7J



Scale: 1/4"=1'



LOADING (psf)	SPACING-	CSL.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.70	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.92	Vert(LL) -0.35 12-14 >926 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.72	Vert(CT) -0.64 12-14 >499 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.10 10 n/a n/a		
	Code FBC2020/TP12014			Weight: 301 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-9-10 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 10=0-3-8, 2=0-3-8
Max Horz 2=82(LC 23)
Max Uplift 10=-583(LC 4), 2=-559(LC 4)
Max Grav 10=2338(LC 1), 2=2169(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-7467/1758, 3-4=-7540/1776, 4-5=-7421/1755, 5-6=-7909/1868, 6-8=-7909/1868
BOT CHORD 2-16=-1740/7225, 15-16=-1740/7225, 14-15=-2084/8808, 12-14=-2084/8808,
11-12=-1244/5156, 10-11=-1244/5156
WEBS 3-15=-289/335, 4-15=-231/1382, 5-15=-1587/384, 5-14=0/435, 5-12=-963/270,
6-12=-534/252, 8-12=-668/2950, 8-11=0/517, 8-10=-5390/1294

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- 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.
- Unbalanced roof live loads have been considered for this design.
- 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; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf 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 583 lb uplift at joint 10 and 559 lb uplift at joint 2.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 139 lb down and 86 lb up at 7-6-0, 120 lb down and 86 lb up at 9-6-12, 120 lb down and 86 lb up at 11-6-12, 120 lb down and 86 lb up at 13-6-12, 120 lb down and 86 lb up at 15-6-12, 120 lb down and 81 lb up at 17-6-12, 120 lb down and 86 lb up at 19-6-12, 120 lb down and 86 lb up at 21-6-12, and 19 lb down and 44 lb up at 23-6-12, and 19 lb down and 44 lb up at 25-6-12 on top chord, and 568 lb down and 135 lb up at 7-6-0, 92 lb down at 9-6-12, 92 lb down at 11-6-12, 92 lb down at 13-6-12, 92 lb down at 15-6-12, 92 lb down at 17-6-12, 92 lb down at 19-6-12, 92 lb down at 21-6-12, and 182 lb down and 59 lb up at 23-6-12, and 182 lb down and 59 lb up at 25-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

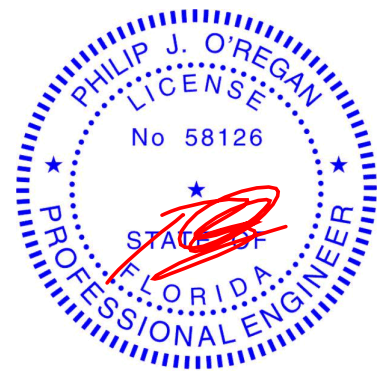
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Date:

September 7, 2021



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257048
2911950	T10	Half Hip Girder	1	2	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:03:06 2021 Page 2
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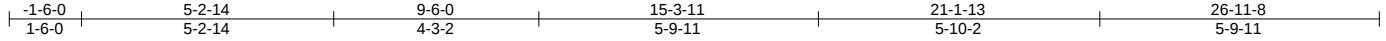
LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
- Vert: 1-4=-54, 4-9=-54, 2-10=-20
- Concentrated Loads (lb)
- Vert: 4=-120(F) 7=-120(F) 15=-568(F) 19=-120(F) 20=-120(F) 21=-120(F) 22=-120(F) 23=-120(F) 24=-120(F) 25=-19(F) 26=-19(F) 27=-73(F) 28=-73(F) 29=-73(F) 30=-73(F) 31=-73(F) 32=-73(F) 33=-73(F) 34=-182(F) 35=-182(F)

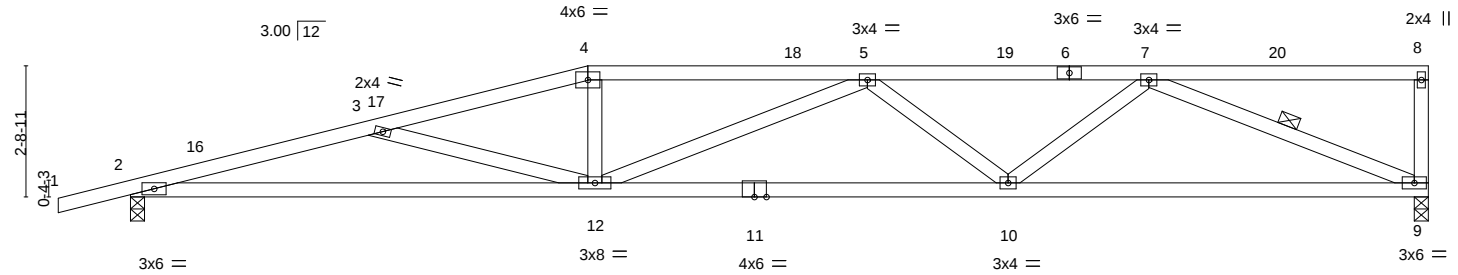
Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257049
2911950	T11	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:03:07 2021 Page 1
ID:b2ldskJGjOxOjHDJPP?LTyh2aU-SQi2XYQyTqj3s1_cNZF0pgY04msLDub6f66KFfyg7l



Scale: 1/4"=1'



9-6-0 9-6-0		18-2-12 8-8-12		26-11-8 8-8-12	
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	L/defl	L/d
TCLL 20.0	Plate Grip DOL 1.25	TC 0.47	Vert(LL) -0.23 10-12	>999	240
TCDL 7.0	Lumber DOL 1.25	BC 0.99	Vert(CT) -0.47 10-12	>690	180
BCLL 0.0 *	Rep Stress Incr YES	WB 0.50	Horz(CT) 0.11 9	n/a	n/a
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS			
				PLATES MT20	GRIP 244/190
				Weight: 125 lb FT = 20%	

LUMBER-

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

REACTIONS.

(size) 9=0-3-8, 2=0-3-8
Max Horz 2=99(LC 8)
Max Uplift 9=-271(LC 8), 2=-322(LC 8)
Max Grav 9=990(LC 1), 2=1075(LC 1)

FORCES.

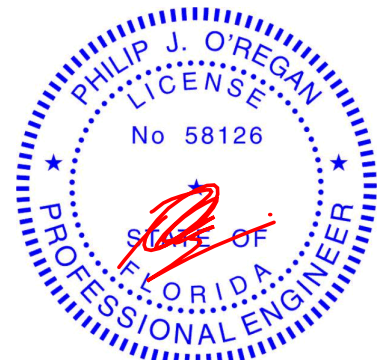
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3126/894, 3-4=-2657/703, 4-5=-2571/704, 5-7=-2386/617
BOT CHORD 2-12=-923/3017, 10-12=-769/2711, 9-10=-534/1847
WEBS 3-12=-485/230, 4-12=-34/418, 5-12=-329/140, 5-10=-422/221, 7-10=-134/705,
7-9=-1951/574

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=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 9-6-0, Exterior(2R) 9-6-0 to 13-8-15, Interior(1) 13-8-15 to 26-9-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf 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 271 lb uplift at joint 9 and 322 lb uplift at joint 2.

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-0-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 7-9



Philip J. O'Regan PE No.58126
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Date: September 7, 2021

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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



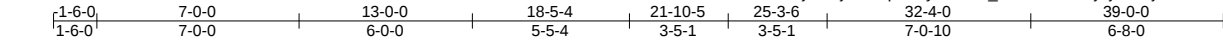
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257050
2911950	T12G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:03:10 2021 Page 1

ID:b2ldskJGjOxOjHDJPP?LTyh2aU-s_OB9ZSrmI5ejVjB2hojRIAWizxQQDeZL3K_r_ygi7F



Scale = 1:79.8

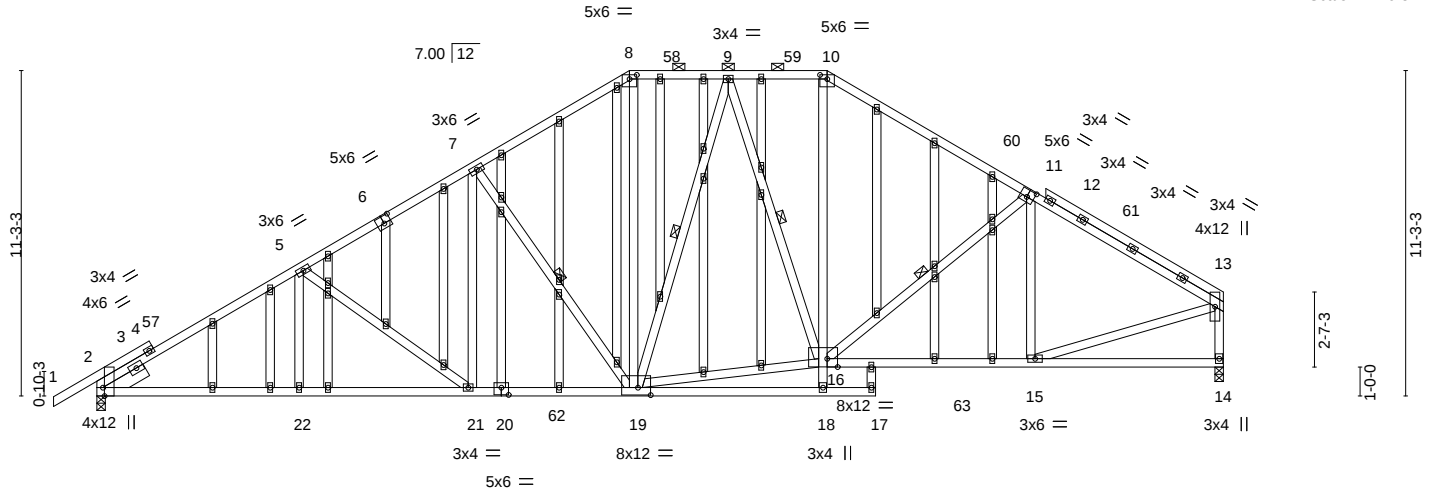


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [6:0-3-0,0-3-0], [8:0-3-0,0-1-12], [10:0-3-0,0-1-12], [11:0-3-0,0-3-0], [16:0-4-5,0-3-7], [19:0-5-4,0-3-2], [20:0-3-0,0-3-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.54	Vert(LL)	-0.15 15-16	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.71	Vert(CT)	-0.28 15-16	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.61	Horz(CT)	0.08 14	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 439 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 10-18: 2x4 SP No.3
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3
 SLIDER Left 2x6 SP No.2 1-7-5

REACTIONS.

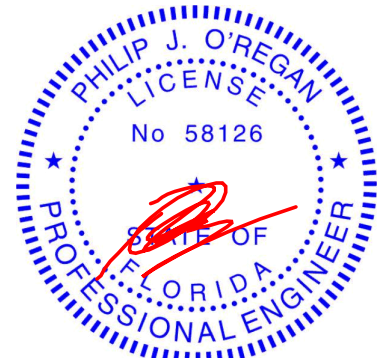
(size) 2=0-3-8, 14=0-3-8
 Max Horz 2=237(LC 9)
 Max Uplift 2=-318(LC 12), 14=-239(LC 13)
 Max Grav 2=1703(LC 19), 14=1604(LC 2)

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

TOP CHORD 2-5=-2436/399, 5-7=-2108/379, 7-8=-1693/345, 8-9=-1412/337, 9-10=-1448/306,
 10-11=-1759/306, 11-13=-1855/277, 13-14=-1510/254
 BOT CHORD 2-22=-477/2204, 21-22=-475/2196, 19-21=-334/1839, 10-16=-85/619, 15-16=-180/1570
 WEBS 5-21=-438/174, 7-21=-65/483, 7-19=-721/256, 8-19=-94/632, 9-19=-279/150,
 16-19=-156/1410, 11-16=-269/180, 11-15=-301/105, 13-15=-178/1602

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 2-4-13, Interior(1) 2-4-13 to 18-5-4, Exterior(2R) 18-5-4 to 23-11-7, Interior(1) 23-11-7 to 25-3-6, Exterior(2R) 25-3-6 to 30-9-9, Interior(1) 30-9-9 to 38-10-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 318 lb uplift at joint 2 and 239 lb uplift at joint 14.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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 Date:

September 7,2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

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6904 Parke East Blvd.
 Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257051
2911950	T13	Roof Special	5	1	Job Reference (optional)	

Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:03:11 2021 Page 1
ID:b2ldskJGjOxOjHDJPp?LTyh2aU-KByZNVTTX3EVKfHncOJyzWjdnK69nBiaj4YOQygi7E

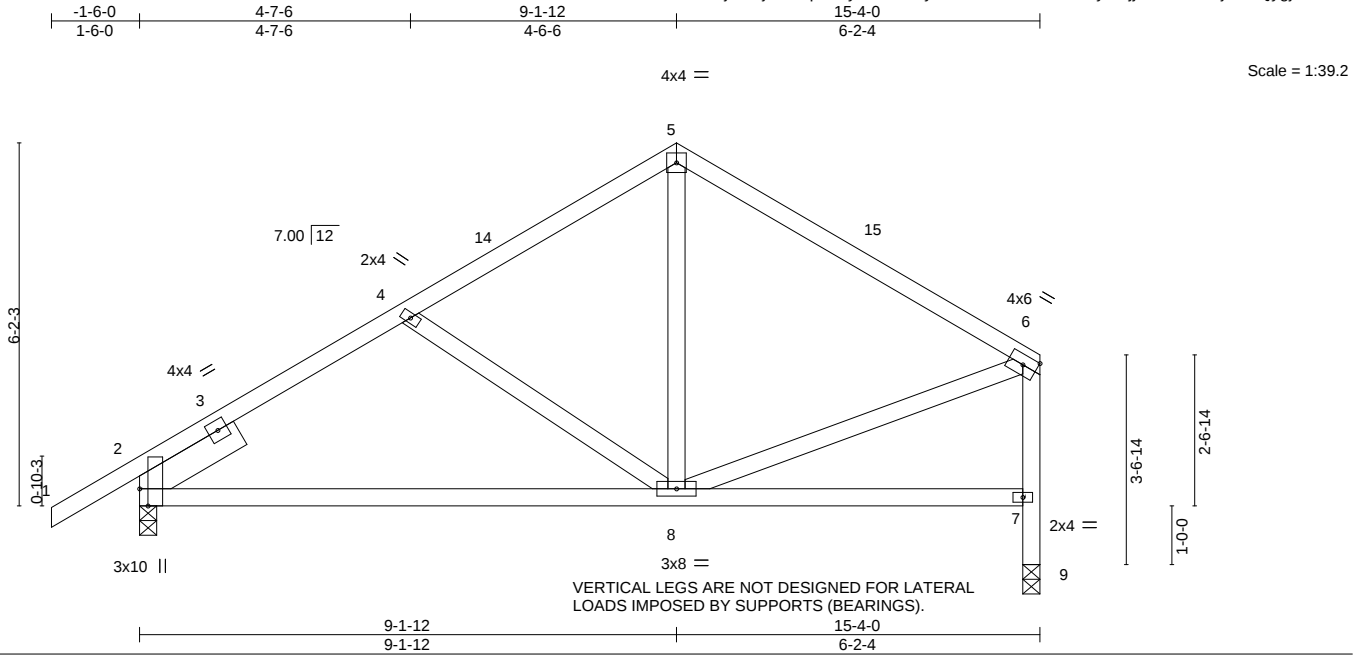


Plate Offsets (X,Y)-- [2:0-3-8,Edge]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.44	Vert(LL)	-0.10	8-12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.55	Vert(CT)	-0.21	8-12	>889	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.14	Horz(CT)	0.01	2	n/a	n/a		
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-MS						Weight: 87 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
6-9: 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-11-8

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

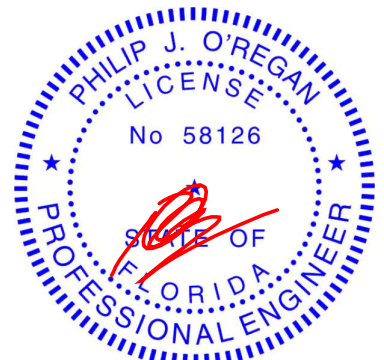
(size) 2=0-3-8, 9=0-3-8
Max Horz 2=140(LC 12)
Max Uplift 2=147(LC 12), 9=100(LC 13)
Max Grav 2=647(LC 1), 9=558(LC 1)

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

TOP CHORD 2-4=-635/179, 4-5=-498/147, 5-6=-518/139, 7-9=-558/130, 6-7=-509/141
BOT CHORD 2-8=-197/565
WEBS 5-8=-17/277, 6-8=-59/354

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 9-1-12, Exterior(2R) 9-1-12 to 12-1-12, Interior(1) 12-1-12 to 15-2-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 147 lb uplift at joint 2 and 100 lb uplift at joint 9.



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September 7, 2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257052
2911950	T14G	Common Supported Gable	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:03:12 2021 Page 1
ID:b2ldskJGjOxOjHDJpp?LTyh2aU-pNWxaFU5IMMMypsZA6qBWjGzHnlyuGhroNp5wtgij7D

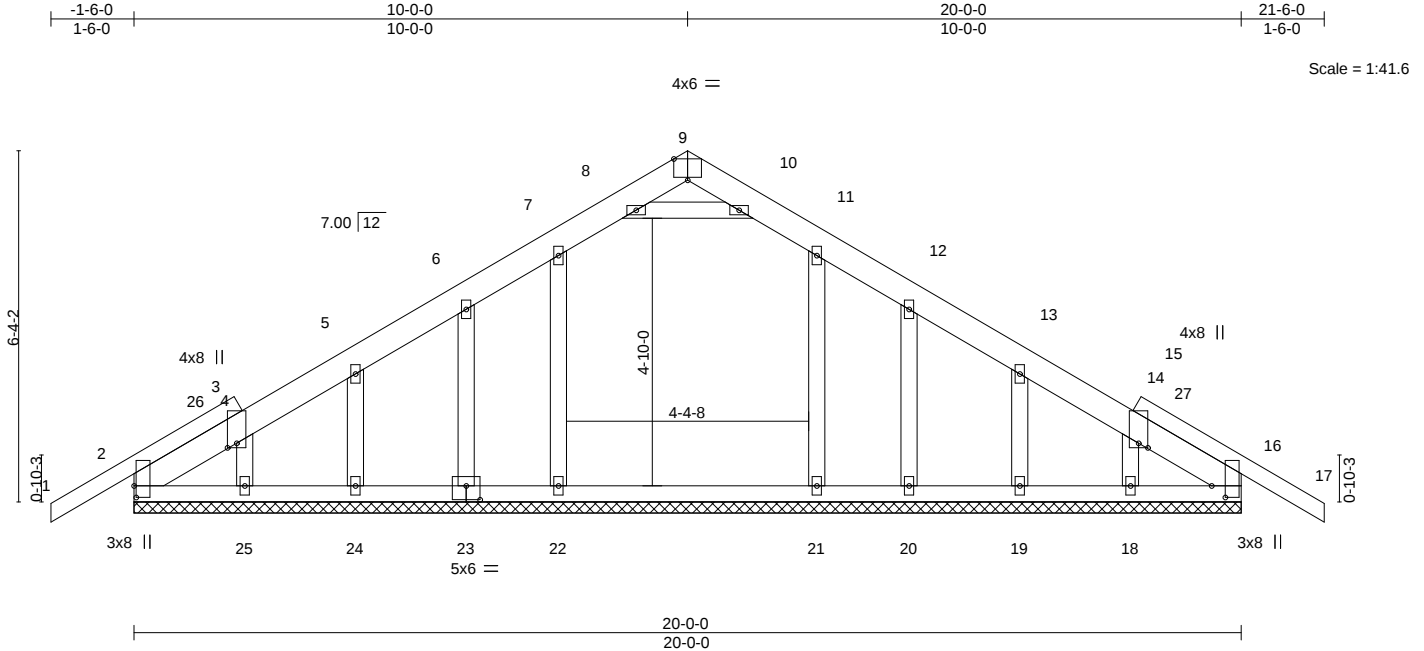


Plate Offsets (X,Y)-- [2:0-2-8,0-0-7], [3:0-1-0,0-2-0], [9:0-3-0,Edge], [15:0-1-0,0-2-0], [16:0-2-8,0-2-15], [23:0-3-0,0-3-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25		TC 0.12	Vert(LL) -0.01	17	n/r	120		MT20	244/190
TCDL 7.0	Lumber DOL 1.25		BC 0.19	Vert(CT) -0.01	17	n/r	120			
BCLL 0.0 *	Rep Stress Incr YES		WB 0.06	Horz(CT) 0.00	16	n/a	n/a			
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S						Weight: 131 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
1-4,14-17: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-

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

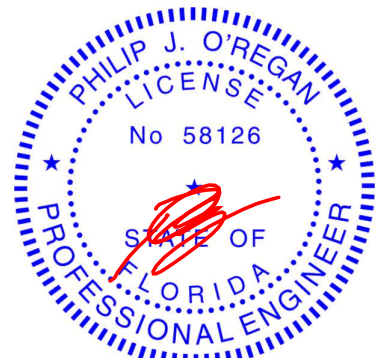
REACTIONS.

All bearings 20-0-0.
(lb) - Max Horz 2=-138(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 22, 23, 24, 25, 20, 19, 18
Max Grav All reactions 250 lb or less at joint(s) 2, 16, 23, 24, 25, 20, 19, 18 except 22=358(LC 19), 21=331(LC 20)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 10-0-0, Corner(3R) 10-0-0 to 13-0-0, Exterior(2N) 13-0-0 to 21-6-0 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
- 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2'-0-0 oc.
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 22, 23, 24, 25, 20, 19, 18.



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Date:

September 7,2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257053
2911950	T15	Common	3	1	Job Reference (optional)	

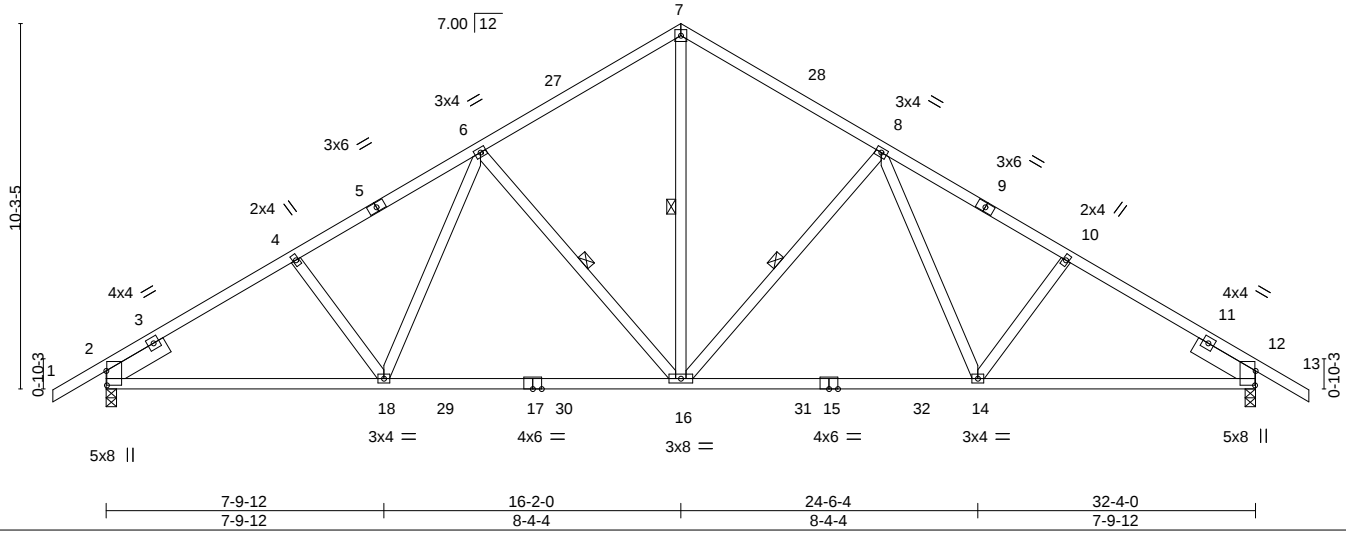
Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:03:13 2021 Page 1
ID:b2ldskJGxOjHDJpp?LTyh2aU-HZ3JobVj3gUDayRmkpMQ3xozFBxEdcX?11ZeSjygi7C

-1-6-0	5-4-1	10-6-6	16-2-0	21-9-10	26-11-15	32-4-0	33-10-0
1-6-0	5-4-1	5-2-5	5-7-10	5-7-10	5-2-5	5-4-0	1-6-0

4x4 =

Scale = 1:64.8



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.81	Vert(LL)	-0.24	16-18	>999	240	MT20	244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.39	16-18	>987	180			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.10	12	n/a	n/a			
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 191 lb	FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-4-15 oc bracing.
WEBS 1 Row at midpt 7-16, 8-16, 6-16

REACTIONS.

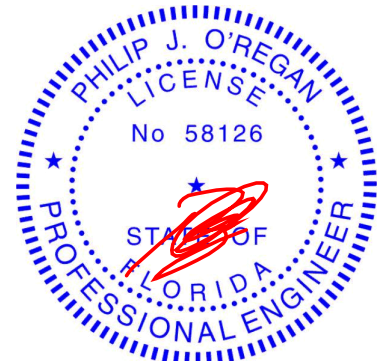
(size) 2=0-3-8, 12=0-3-8
Max Horz 2=227(LC 11)
Max Uplift 2=-273(LC 12), 12=-273(LC 13)
Max Grav 2=1393(LC 2), 12=1393(LC 2)

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

TOP CHORD 2-4=-1943/1348, 4-6=-1839/1367, 6-7=-1370/1048, 7-8=-1370/1048, 8-10=-1839/1367,
10-12=-1943/1348
BOT CHORD 2-18=-1061/1605, 16-18=-893/1429, 14-16=-901/1429, 12-14=-1070/1605
WEBS 7-16=-935/1093, 8-16=-514/387, 8-14=-359/377, 6-16=-514/387, 6-18=-359/377

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 1-8-13, Interior(1) 1-8-13 to 16-2-0, Exterior(2R) 16-2-0 to 19-4-13, Interior(1) 19-4-13 to 33-10-0 zone; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=273, 12=273.



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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257054
2911950	T15G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:03:16 2021 Page 1
ID:b2ldskJGjOxOjHDJPP?LTyh2aU-h8ISQdXbLbsnRQAKPyv7gZQYMO2lqvsRj?nJ3eygj79

-1-6-0	5-4-1	10-6-6	16-2-0	21-9-10	26-11-15	32-4-0	33-10-0
1-6-0	5-4-1	5-2-5	5-7-10	5-7-10	5-2-5	5-4-1	1-6-0

Scale = 1:65.3

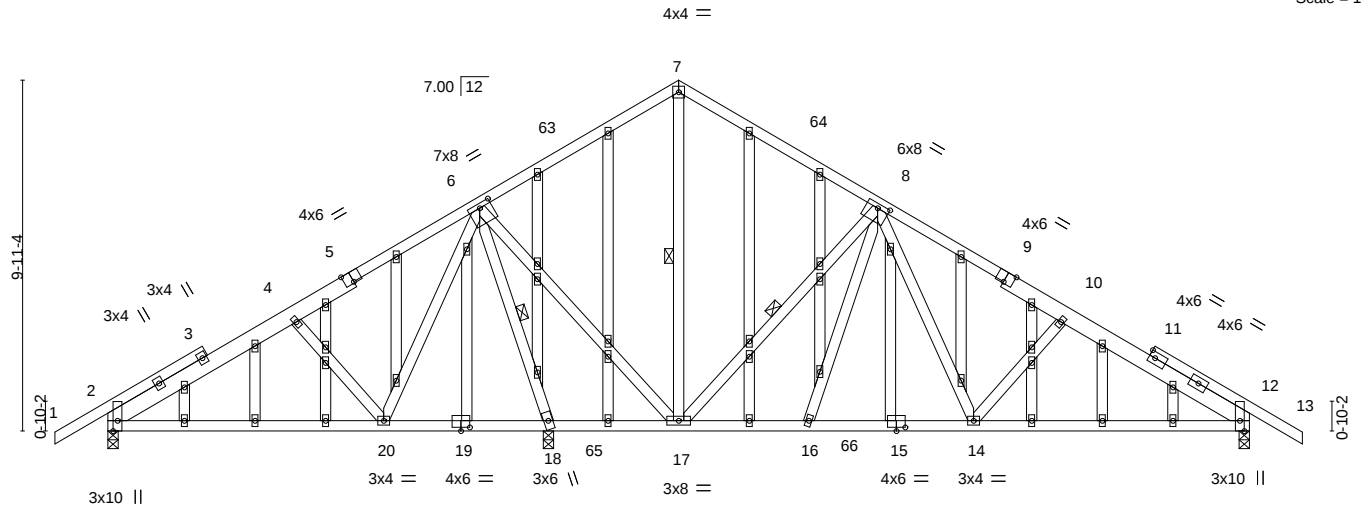


Plate Offsets (X,Y)--	[5:0-3-0,Edge], [6:0-4-0,0-1-8], [8:0-4-0,0-1-8], [9:0-3-0,Edge], [15:0-3-0,0-1-4], [19:0-3-0,0-1-4]
-----------------------	--

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.50	Vert(LL) 0.09 14-61	>999	240		MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.49	Vert(CT) -0.12 14-61	>999	180			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.76	Horz(CT) 0.02 12	n/a	n/a			
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS					Weight: 308 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
2-5,9-12: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-17, 8-17, 6-18

THIS TRUSS IS NOT SYMMETRIC.
PROPER ORIENTATION IS ESSENTIAL.

REACTIONS.

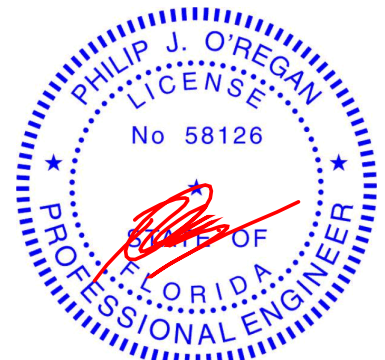
(size) 2=0-3-8, 12=0-3-8, 18=0-3-8
Max Horz 2=-220(LC 10)
Max Uplift 2=-99(LC 12), 12=-194(LC 13), 18=-287(LC 12)
Max Grav 2=498(LC 23), 12=761(LC 1), 18=1334(LC 1)

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

TOP CHORD 2-4=-458/271, 4-6=-306/266, 6-7=-248/271, 7-8=-247/271, 8-10=-805/706,
10-12=-949/711
BOT CHORD 2-20=-218/373, 17-18=-426/384, 16-17=-370/535, 14-16=-317/506, 12-14=-574/799
WEBS 8-17=-581/552, 8-14=-397/359, 10-14=-257/167, 6-17=-551/828, 6-20=-403/365,
4-20=-268/175, 6-18=-1314/931

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 1-8-13, Interior(1) 1-8-13 to 16-2-0, Exterior(2R) 16-2-0 to 19-4-13, Interior(1) 19-4-13 to 33-10-0 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
- 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 12=194, 18=287.



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

September 7, 2021

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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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257055
2911950	T16	Common	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:03:17 2021 Page 1
ID:b2ldskJGjOxOjHDJpp?LTyh2aU-9LJqdyYE6v_e3alXzfQMDnzkyoJ7ZSnbyfXsb4ygj78

1-6-0	5-3-14	10-6-6	16-2-0	21-9-10	27-0-2	32-4-0	33-10-0
1-6-0	5-3-14	5-2-8	5-7-10	5-7-10	5-2-8	5-3-14	1-6-0

4x4 =

Scale = 1:64.8

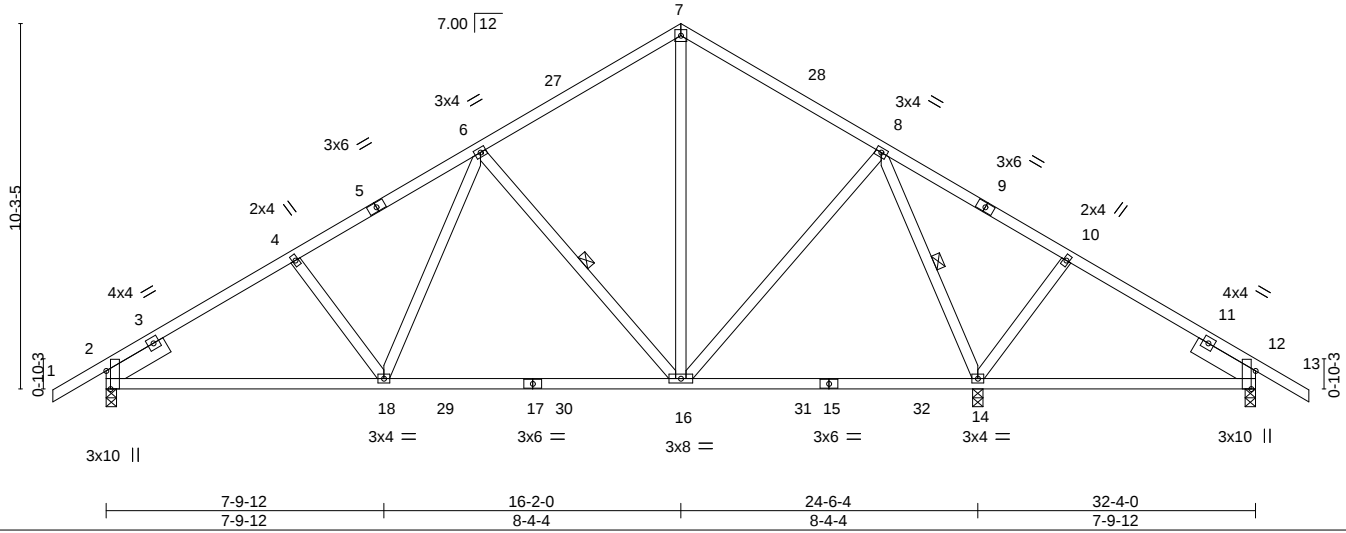


Plate Offsets (X,Y)-- [2:0-6-2,Edge], [12:0-6-2,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.45	Vert(LL) 0.13	14-25	>714	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.77	Vert(CT) -0.26	16-18	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.33	Horz(CT) 0.03	14	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS						
							Weight: 191 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-3-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 6-0-0 oc bracing: 12-14.
1 Row at midpt 6-16, 8-14

REACTIONS.

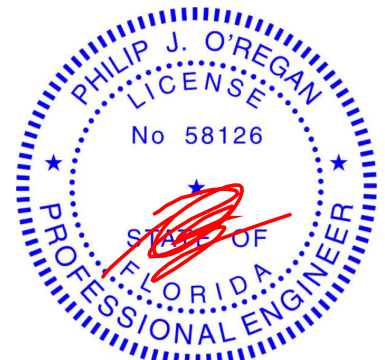
(size) 2=0-3-8, 14=0-3-8, 12=0-3-8
Max Horz 2=227(LC 11)
Max Uplift 2=-221(LC 12), 14=-217(LC 12), 12=-162(LC 8)
Max Grav 2=1095(LC 19), 14=1463(LC 19), 12=366(LC 24)

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

TOP CHORD 2-4=-1385/316, 4-6=-1283/329, 6-7=-720/296, 7-8=-712/291, 8-10=-66/303,
10-12=-385/555
BOT CHORD 2-18=-296/1294, 16-18=-177/1014, 14-16=-100/306
WEBS 6-18=-81/471, 6-16=-602/250, 7-16=-172/420, 8-16=-44/529, 8-14=-1117/210,
10-14=-275/167

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 1-8-13, Interior(1) 1-8-13 to 16-2-0, Exterior(2R) 16-2-0 to 19-4-13, Interior(1) 19-4-13 to 33-10-0 zone; end vertical left and right exposed; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=221, 14=217, 12=162.



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September 7, 2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257056
2911950	T17	Common	1	1	Job Reference (optional)	

Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:03:19 2021 Page 1
ID: b2ldskJGjOxOjHDJPP?LTyh2aU-5jRa2eZUeWEMltvv44SqlC24Hc0g1MUtPz0zgzyg76

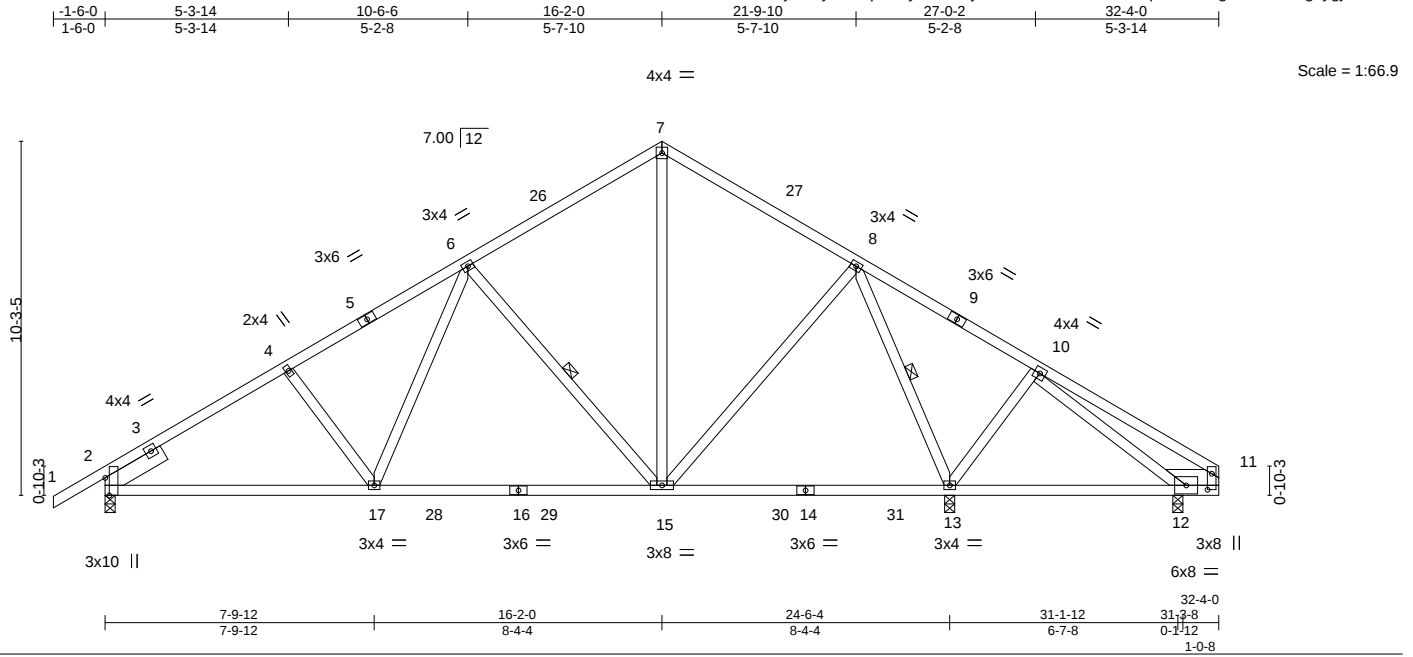


Plate Offsets (X,Y)-- [2:0-6-2,Edge], [11:0-5-9,0-1-8]

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.39	Vert(LL)	-0.15 15-17	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.76	Vert(CT)	-0.25 15-17	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.38	Horz(CT)	0.03 13	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 195 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-6-9

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-7-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-15, 8-13

REACTIONS.

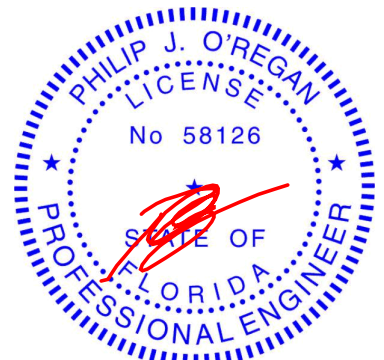
(size) 2=0-3-8, 13=0-3-8, 12=0-3-8
Max Horz 2=221(LC 9)
Max Uplift 2=-212(LC 12), 13=-269(LC 13), 12=-95(LC 8)
Max Grav 2=1058(LC 19), 13=1647(LC 2), 12=200(LC 24)

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

TOP CHORD 2-4=-1321/260, 4-6=-1219/268, 6-7=-635/203, 7-8=-643/206, 8-10=-48/483
BOT CHORD 2-17=-297/1232, 15-17=-177/946
WEBS 6-17=-82/477, 6-15=-605/251, 7-15=-90/337, 8-15=-66/625, 8-13=-1285/247,
10-13=-295/171, 10-12=-172/332

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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 1-8-13, Interior(1) 1-8-13 to 16-2-0, Exterior(2R) 16-2-0 to 19-4-13, Interior(1) 19-4-13 to 32-4-0 zone; cantilever right exposed; end vertical left and right exposed; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 2=212, 13=269.



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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257057
2911950	T18	Common Girder	1	2	Job Reference (optional)	

Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 10:03:22 2021 Page 1

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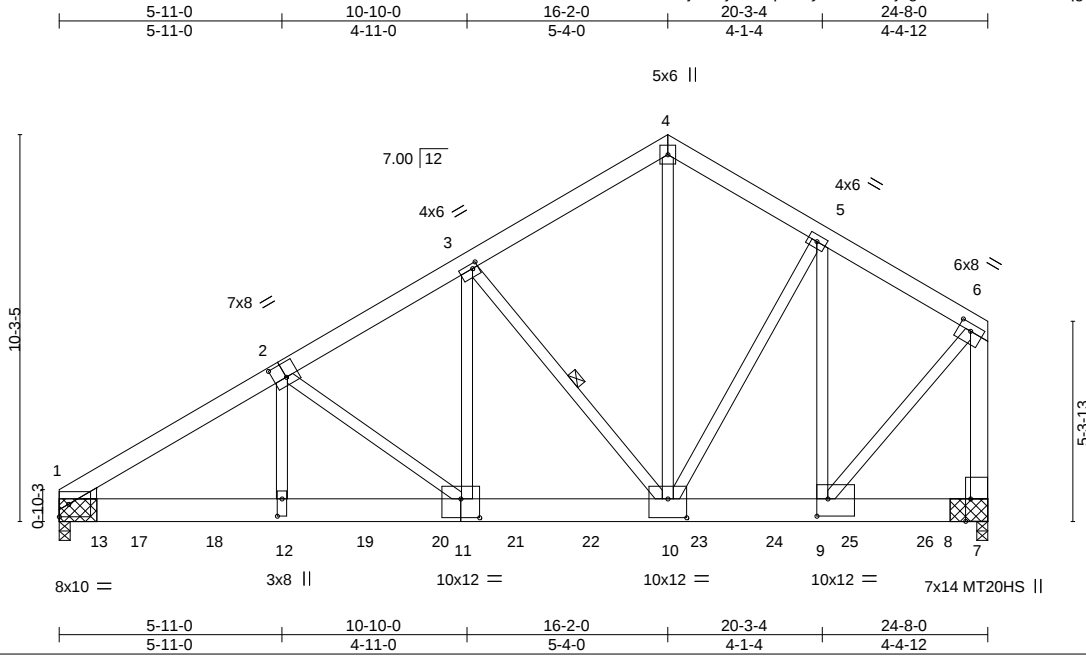


Plate Offsets (X,Y)-- [2:0-4-0,0-4-8], [3:0-1-12,0-1-8], [6:0-4-0,0-2-4], [7:0-7-2,0-1-9], [9:0-3-8,0-5-8], [10:0-6-0,0-6-0], [11:0-6-0,0-6-0], [12:0-5-8,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.60	Vert(LL) -0.17	11-12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.49	Vert(CT) -0.30	11-12	>990	180	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr NO	WB 0.88	Horz(CT) 0.06	7	n/a	n/a		
BCDL 10.0	Code FBC2020/TP12014	Matrix-MS						
							Weight: 491 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
 BOT CHORD 2x8 SP 2400F 2.0E
 WEBS 2x4 SP No.3 *Except*
 3-11,4-10,6-9: 2x4 SP No.2, 6-7: 2x6 SP No.2

WEDGE

Left: 2x4 SP No.3

REACTIONS.

(size) 1=(0-3-8 + bearing block) (req. 0-5-10), 7=(0-3-8 + bearing block) (req. 0-6-0)
 Max Horz 1=230(LC 8)
 Max Uplift 1=1590(LC 8), 7=1705(LC 8)
 Max Grav 1=9574(LC 2), 7=10189(LC 2)

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

TOP CHORD 1-2=-14635/2428, 2-3=-11485/1945, 3-4=-7320/1284, 4-5=-7282/1304, 5-6=-6067/1042,
 6-7=-9115/1545
 BOT CHORD 1-12=-2248/12547, 11-12=-2248/12547, 10-11=-1712/9747, 9-10=-863/5152
 WEBS 2-12=-528/3543, 2-11=-3369/650, 3-11=-1002/6140, 3-10=-5486/1040, 4-10=-1186/6985,
 5-10=-414/2384, 5-9=-2673/496, 6-9=-1298/7763

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-7-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- 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.
- 2x8 SP 2400F 2.0E bearing block 12" long at jt. 1 attached to each face with 4 rows of 10d (0.131"x3") nails spaced 3" o.c. 16 Total fasteners per block. Bearing is assumed to be SP No.2.
- 2x8 SP 2400F 2.0E bearing block 12" long at jt. 7 attached to each face with 4 rows of 10d (0.131"x3") nails spaced 3" o.c. 16 Total fasteners per block. Bearing is assumed to be SP No.2.
- Unbalanced roof live loads have been considered for this design.
- 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; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are MT20 plates unless otherwise indicated.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
 1=1590, 7=1705.

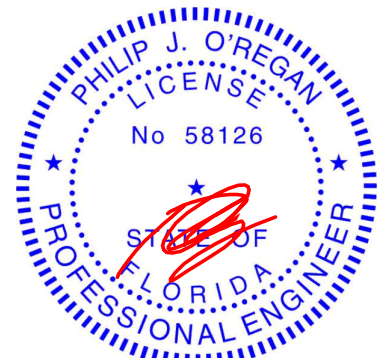
Continued on page 2

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

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 6904 Parke East Blvd. Tampa FL 33610
 Date:

September 7, 2021



6904 Parke East Blvd.
 Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - SHAHEEN RES.	T25257057
2911950	T18	Common Girder	1	2	Job Reference (optional)	

Builders FirstSource (Lake City,FL),
Lake City, FL - 32055,
8.430 s Aug 16 2021
MiTek Industries, Inc.
Sun Sep 5 10:03:22 2021
Page 2
ID:b2ldskJJGjOxOjHDJPP?LTyh2aU-WI6jhgcmXrcx9LdUIC0XwqgYFp5fEaSK5xFdHlygj73

NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1525 lb down and 256 lb up at 2-0-12, 1525 lb down and 256 lb up at 4-0-12, 1549 lb down and 255 lb up at 6-0-12, 1520 lb down and 259 lb up at 8-0-12, 1520 lb down and 259 lb up at 10-0-12, 1520 lb down and 259 lb up at 12-0-12, 1520 lb down and 259 lb up at 14-0-12, 1520 lb down and 259 lb up at 16-0-12, 1520 lb down and 259 lb up at 16-11-4, 1493 lb down and 259 lb up at 18-11-4, and 1493 lb down and 259 lb up at 20-11-4, and 1493 lb down and 259 lb up at 22-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

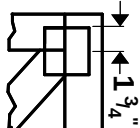
Vert: 1-4=-54, 4-6=-54, 7-14=-20

Concentrated Loads (lb)

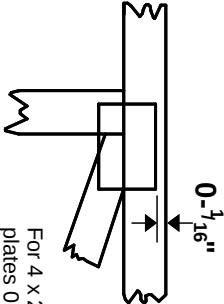
Vert: 12=-1375(B) 10=-1350(B) 17=-1375(B) 18=-1375(B) 19=-1350(B) 20=-1350(B) 21=-1350(B) 22=-1350(B) 23=-1350(B) 24=-1335(B) 25=-1335(B) 26=-1335(B)

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- $\frac{3}{16}$ " from outside edge of truss.

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

*** Plate location details available in MiTek 2012 software or upon request.**

PLATE SIZE

4 X 4

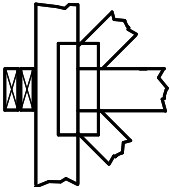
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



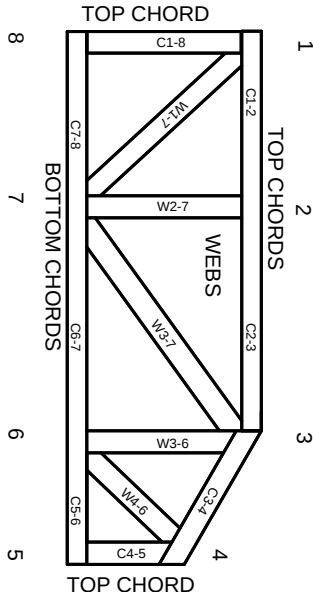
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1.1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)



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/TP1 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

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. 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.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. 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 camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.